Table S7: SNPs found common between high and low-pod number-containing parental accessions and homozygous bulks of mapping population (Pusa 256 x ILWC 46) with respect to reference *kabuli* (CDC Frontier) chickpea genome

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1B_288	Ca_Kabuli_Chr01	NC_021160.1	288	CC	AA	AA	NON_SYNONYMOUS_CODING	101497325	uncharacterized LOC101497325
SNP_2B_893	Ca_Kabuli_Chr01	NC_021160.1	893	GG	TT	TT	URR	101497325	uncharacterized LOC101497325
SNP_3B_13820	Ca_Kabuli_Chr01	NC_021160.1	13820	CC	GG	GG	INTERGENIC		
SNP_4B_14072	Ca_Kabuli_Chr01	NC_021160.1	14072	TT	CC	CC	INTERGENIC		
SNP_5B_14155	Ca_Kabuli_Chr01	NC_021160.1	14155	AA	GG	GG	INTERGENIC		
SNP_6B_14189	Ca_Kabuli_Chr01	NC_021160.1	14189	TT	CC	CC	INTERGENIC		
SNP_7B_17801	Ca_Kabuli_Chr01	NC_021160.1	17801	TT	CC	CC	DRR	101488339	uncharacterized LOC101488339
SNP_9B_18899	Ca_Kabuli_Chr01	NC_021160.1	18899	CC	TT	TT	NON_SYNONYMOUS_CODING	id3	Unknown function
SNP_10B_18902	Ca_Kabuli_Chr01	NC_021160.1	18902	AA	GG	GG	NON_SYNONYMOUS_CODING	id3	Unknown function
SNP_11B_18957	Ca_Kabuli_Chr01	NC_021160.1	18957	AA	CC	CC	STOP_GAINED	id3	Unknown function
SNP_13B_19418	Ca_Kabuli_Chr01	NC_021160.1	19418	GG	AA	AA	NON_SYNONYMOUS_CODING	id3	Unknown function
SNP_14B_117177	Ca_Kabuli_Chr01	NC_021160.1	117177	AA	TT	TT	INTERGENIC		
SNP_15B_117178	Ca_Kabuli_Chr01	NC_021160.1	117178	GG	TT	TT	INTERGENIC		
SNP_16B_117506	Ca_Kabuli_Chr01	NC_021160.1	117506	AA	GG	GG	INTERGENIC		
SNP_17B_125036	Ca_Kabuli_Chr01	NC_021160.1	125036	AA	GG	GG	INTERGENIC		
SNP_18B_125312	Ca_Kabuli_Chr01	NC_021160.1	125312	CC	TT	TT	INTERGENIC		
SNP_19B_186564	Ca_Kabuli_Chr01	NC_021160.1	186564	AA	TT	TT	INTRON	101494203	uncharacterized LOC101494203
SNP_20B_186626	Ca_Kabuli_Chr01	NC_021160.1	186626	TT	CC	CC	SPLICE_SITE_REGION	101494203	uncharacterized LOC101494203
SNP_21B_186725	Ca_Kabuli_Chr01	NC_021160.1	186725	GG	TT	TT	INTRON	101494203	uncharacterized LOC101494203
SNP_22B_186749	Ca_Kabuli_Chr01	NC_021160.1	186749	GG	AA	AA	INTRON	101494203	uncharacterized LOC101494203
SNP_24B_186964	Ca_Kabuli_Chr01	NC_021160.1	186964	CC	GG	GG	INTRON	101494203	uncharacterized LOC101494203
SNP_25B_186979	Ca_Kabuli_Chr01	NC_021160.1	186979	CC	TT	TT	INTRON	101494203	uncharacterized LOC101494203
SNP_26B_249828	Ca_Kabuli_Chr01	NC_021160.1	249828	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_27B_291985	Ca_Kabuli_Chr01	NC_021160.1	291985	CC	TT	TT	INTERGENIC		
SNP_28B_308419	Ca_Kabuli_Chr01	NC_021160.1	308419	TT	GG	GG	URR	101500988	regulator of nonsense transcripts UPF3-like
SNP_29B_308422	Ca_Kabuli_Chr01	NC_021160.1	308422	AA	TT	TT	URR	101500988	regulator of nonsense transcripts UPF3-like
SNP_30B_308455	Ca_Kabuli_Chr01	NC_021160.1	308455	CC	AA	AA	URR	101500988	regulator of nonsense transcripts UPF3-like
SNP_31B_338707	Ca_Kabuli_Chr01	NC_021160.1	338707	CC	AA	AA	DRR	101504194	uncharacterized protein At5g49945
SNP_32B_338735	Ca_Kabuli_Chr01	NC_021160.1	338735	AA	TT	TT	DRR	101504194	uncharacterized protein At5g49945
SNP_33B_338739	Ca_Kabuli_Chr01	NC_021160.1	338739	TT	AA	AA	DRR	101504194	uncharacterized protein At5g49945
SNP_34B_341433	Ca_Kabuli_Chr01	NC_021160.1	341433	GG	AA	AA	INTERGENIC		
SNP_35B_343401	Ca_Kabuli_Chr01	NC_021160.1	343401	GG	AA	AA	DRR	101504836	WEB family protein At3g51220
SNP_38B_346827	Ca_Kabuli_Chr01	NC_021160.1	346827	AA	TT	TT	URR	101504836	WEB family protein At3g51220
SNP_39B_355537	Ca_Kabuli_Chr01	NC_021160.1	355537	AA	GG	GG	DRR	101505466	ATP phosphoribosyltransferase 2, chloroplastic-like
SNP_40B_355829	Ca_Kabuli_Chr01	NC_021160.1	355829	AA	GG	GG	DRR	101505466	ATP phosphoribosyltransferase 2, chloroplastic-like
SNP_41B_358741	Ca_Kabuli_Chr01	NC_021160.1	358741	GG	AA	AA	INTRON	101505466	ATP phosphoribosyltransferase 2, chloroplastic-like
SNP_42B_358914	Ca_Kabuli_Chr01	NC_021160.1	358914	CC	TT	TT	INTRON	101505466	ATP phosphoribosyltransferase 2, chloroplastic-like
SNP_43B_362902	Ca_Kabuli_Chr01	NC_021160.1	362902	GG	AA	AA	URR	101505466	ATP phosphoribosyltransferase 2, chloroplastic-like
SNP_44B_363704	Ca_Kabuli_Chr01	NC_021160.1	363704	TT	AA	AA	DRR	101498976	Unknown function
SNP_45B_363717	Ca_Kabuli_Chr01	NC_021160.1	363717	TT	CC	CC	DRR	101498976	Unknown function
SNP_46B_371768	Ca_Kabuli_Chr01	NC_021160.1	371768	CC	TT	TT	INTRON	101505803	probable magnesium transporter NIPA4
SNP_48B_374791	Ca_Kabuli_Chr01	NC_021160.1	374791	CC	TT	TT	INTRON	101505803	probable magnesium transporter NIPA4
SNP_49B_377599	Ca_Kabuli_Chr01	NC_021160.1	377599	AA	GG	GG	DRR	101506118	protein EI24 homolog
SNP_50B_379304	Ca_Kabuli_Chr01	NC_021160.1	379304	CC	TT	TT	INTERGENIC		
SNP_51B_395277	Ca_Kabuli_Chr01	NC_021160.1	395277	TT	AA	AA	INTRON	101506773	uncharacterized zinc finger protein At4g06634
SNP_52B_395293	Ca_Kabuli_Chr01	NC_021160.1	395293	AA	GG	GG	INTRON	101506773	uncharacterized zinc finger protein At4g06634
SNP_53B_400963	Ca_Kabuli_Chr01	NC_021160.1	400963	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54B_401583	Ca_Kabuli_Chr01	NC_021160.1	401583	TT	AA	AA	URR	101507109	60S ribosomal protein L27
SNP_55B_401612	Ca_Kabuli_Chr01	NC_021160.1	401612	TT	CC	CC	URR	101507109	60S ribosomal protein L27
SNP_56B_401649	Ca_Kabuli_Chr01	NC_021160.1	401649	AA	TT	TT	URR	101507109	60S ribosomal protein L27
SNP_57B_403779	Ca_Kabuli_Chr01	NC_021160.1	403779	GG	AA	AA	INTERGENIC		
SNP_58B_403809	Ca_Kabuli_Chr01	NC_021160.1	403809	CC	AA	AA	INTERGENIC		
SNP_59B_403930	Ca_Kabuli_Chr01	NC_021160.1	403930	CC	GG	GG	INTERGENIC		
SNP_60B_403936	Ca_Kabuli_Chr01	NC_021160.1	403936	TT	CC	CC	INTERGENIC		
SNP_61B_403942	Ca_Kabuli_Chr01	NC_021160.1	403942	TT	CC	CC	INTERGENIC		
SNP_63B_404244	Ca_Kabuli_Chr01	NC_021160.1	404244	AA	CC	CC	DRR	101499295	COBRA-like protein 6
SNP_65B_407494	Ca_Kabuli_Chr01	NC_021160.1	407494	AA	CC	CC	INTERGENIC		
SNP_66B_410328	Ca_Kabuli_Chr01	NC_021160.1	410328	TT	AA	AA	URR	101499295	COBRA-like protein 6
SNP_67B_410333	Ca_Kabuli_Chr01	NC_021160.1	410333	GG	AA	AA	URR	101499295	COBRA-like protein 6
SNP_68B_416404	Ca_Kabuli_Chr01	NC_021160.1	416404	CC	AA	AA	INTRON	101507736	multiple organellar RNA editing factor 1, mitochondrial-like
SNP_70B_418033	Ca_Kabuli_Chr01	NC_021160.1	418033	CC	TT	TT	URR	101507736	multiple organellar RNA editing factor 1, mitochondrial-like
SNP_71B_418043	Ca_Kabuli_Chr01	NC_021160.1	418043	CC	AA	AA	URR	101507736	multiple organellar RNA editing factor 1, mitochondrial-like
SNP_72B_418118	Ca_Kabuli_Chr01	NC_021160.1	418118	TT	CC	CC	URR	101507736	multiple organellar RNA editing factor 1, mitochondrial-like
SNP_73B_418555	Ca_Kabuli_Chr01	NC_021160.1	418555	GG	AA	AA	URR	101507736	multiple organellar RNA editing factor 1, mitochondrial-like
SNP_74B_418578	Ca_Kabuli_Chr01	NC_021160.1	418578	AA	GG	GG	URR	101507736	multiple organellar RNA editing factor 1, mitochondrial-like
SNP_75B_418610	Ca_Kabuli_Chr01	NC_021160.1	418610	GG	TT	TT	URR	101507736	multiple organellar RNA editing factor 1, mitochondrial-like
SNP_76B_418625	Ca_Kabuli_Chr01	NC_021160.1	418625	CC	TT	TT	URR	101507736	multiple organellar RNA editing factor 1, mitochondrial-like
SNP_77B_419020	Ca_Kabuli_Chr01	NC_021160.1	419020	AA	GG	GG	DRR	101508058	MLO-like protein 4
SNP_78B_419287	Ca_Kabuli_Chr01	NC_021160.1	419287	AA	GG	GG	DRR	101508058	MLO-like protein 4
SNP_79B_419305	Ca_Kabuli_Chr01	NC_021160.1	419305	CC	TT	TT	DRR	101508058	MLO-like protein 4
SNP_80B_419335	Ca_Kabuli_Chr01	NC_021160.1	419335	CC	TT	TT	DRR	101508058	MLO-like protein 4

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81B_419339	Ca_Kabuli_Chr01	NC_021160.1	419339	AA	CC	CC	DRR	101508058	MLO-like protein 4
SNP_82B_423005	Ca_Kabuli_Chr01	NC_021160.1	423005	CC	TT	TT	INTERGENIC		
SNP_83B_423568	Ca_Kabuli_Chr01	NC_021160.1	423568	GG	AA	AA	DRR	101508579	ferredoxin-like
SNP_84B_423911	Ca_Kabuli_Chr01	NC_021160.1	423911	TT	AA	AA	DRR	101508579	ferredoxin-like
SNP_85B_425453	Ca_Kabuli_Chr01	NC_021160.1	425453	GG	AA	AA	DRR	101508893	transmembrane 9 superfamily member 1
SNP_86B_426167	Ca_Kabuli_Chr01	NC_021160.1	426167	AA	GG	GG	URR	101508579	ferredoxin-like
SNP_87B_431646	Ca_Kabuli_Chr01	NC_021160.1	431646	AA	GG	GG	INTRON	TM9SF3	Unknown function
SNP_88B_431978	Ca_Kabuli_Chr01	NC_021160.1	431978	AA	GG	GG	INTRON	TM9SF3	Unknown function
SNP_89B_454406	Ca_Kabuli_Chr01	NC_021160.1	454406	AA	GG	GG	DRR	101510617	tRNA-specific adenosine deaminase 2-like
SNP_90B_502524	Ca_Kabuli_Chr01	NC_021160.1	502524	GG	AA	AA	INTRON	101513079	potassium channel AKT2/3
SNP_91B_884497	Ca_Kabuli_Chr01	NC_021160.1	884497	AA	GG	GG	DRR	101504195	phosphatidylserine decarboxylase proenzyme 2-like
SNP_92B_894157	Ca_Kabuli_Chr01	NC_021160.1	894157	GG	AA	AA	INTERGENIC		
SNP_93B_894161	Ca_Kabuli_Chr01	NC_021160.1	894161	AA	TT	TT	INTERGENIC		
SNP_94B_1048663	Ca_Kabuli_Chr01	NC_021160.1	1048663	TT	CC	CC	DRR	101514494	calmodulin-binding transcription activator 2-like
SNP_95B_1143403	Ca_Kabuli_Chr01	NC_021160.1	1143403	CC	TT	TT	URR	101491693	dicarboxylate transporter 2.1, chloroplastic
SNP_96B_1169866	Ca_Kabuli_Chr01	NC_021160.1	1169866	TT	AA	AA	DRR	101492343	RING-H2 finger protein ATL52
SNP_97B_1169870	Ca_Kabuli_Chr01	NC_021160.1	1169870	TT	AA	AA	DRR	101492343	RING-H2 finger protein ATL52
SNP_98B_1209154	Ca_Kabuli_Chr01	NC_021160.1	1209154	TT	CC	CC	INTRON	101505365	(3S,6E)-nerolidol synthase 1-like
SNP_99B_1349492	Ca_Kabuli_Chr01	NC_021160.1	1349492	GG	AA	AA	INTERGENIC		
SNP_101B_1572340	Ca_Kabuli_Chr01	NC_021160.1	1572340	CC	TT	TT	URR	101508894	squalene monooxygenase-like
SNP_102B_1687884	Ca_Kabuli_Chr01	NC_021160.1	1687884	TT	CC	CC	DRR	101515140	(3S,6E)-nerolidol synthase 1-like
SNP_103B_1732647	Ca_Kabuli_Chr01	NC_021160.1	1732647	CC	TT	TT	INTRON	101507627	G-type lectin S-receptor-like serine/threonine-protein kinase At4g27290
SNP_104B_1732667	Ca_Kabuli_Chr01	NC_021160.1	1732667	GG	AA	AA	INTRON	101507627	G-type lectin S-receptor-like serine/threonine-protein kinase At4g27290
SNP_105B_1742621	Ca_Kabuli_Chr01	NC_021160.1	1742621	GG	TT	TT	DRR	101490514	receptor-like serine/threonine-protein kinase SD1-8

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_106B_1744911	Ca_Kabuli_Chr01	NC_021160.1	1744911	AA	CC	CC	INTERGENIC		
SNP_108B_1745063	Ca_Kabuli_Chr01	NC_021160.1	1745063	GG	AA	AA	INTERGENIC		
SNP_109B_1745940	Ca_Kabuli_Chr01	NC_021160.1	1745940	GG	CC	CC	INTERGENIC		
SNP_110B_1746195	Ca_Kabuli_Chr01	NC_021160.1	1746195	TT	GG	GG	INTERGENIC		
SNP_112B_1757035	Ca_Kabuli_Chr01	NC_021160.1	1757035	GG	AA	AA	URR	101491159	G-type lectin S-receptor-like serine/threonine-protein kinase B120
SNP_114B_1777857	Ca_Kabuli_Chr01	NC_021160.1	1777857	CC	TT	TT	URR	101492786	zinc finger protein CONSTANS-LIKE 3-like
SNP_115B_1780191	Ca_Kabuli_Chr01	NC_021160.1	1780191	TT	CC	CC	DRR	101493116	nitric oxide synthase-interacting protein
SNP_116B_1783094	Ca_Kabuli_Chr01	NC_021160.1	1783094	GG	AA	AA	INTRON	101493116	nitric oxide synthase-interacting protein
SNP_117B_1785122	Ca_Kabuli_Chr01	NC_021160.1	1785122	TT	CC	CC	URR	101493116	nitric oxide synthase-interacting protein
SNP_120B_1789266	Ca_Kabuli_Chr01	NC_021160.1	1789266	TT	CC	CC	INTERGENIC		
SNP_121B_1794926	Ca_Kabuli_Chr01	NC_021160.1	1794926	TT	AA	AA	URR	101493767	putative cyclin-D6-1
SNP_123B_1802075	Ca_Kabuli_Chr01	NC_021160.1	1802075	TT	CC	CC	INTERGENIC		
SNP_124B_1803230	Ca_Kabuli_Chr01	NC_021160.1	1803230	AA	GG	GG	INTERGENIC		
SNP_125B_1803257	Ca_Kabuli_Chr01	NC_021160.1	1803257	GG	CC	CC	INTERGENIC		
SNP_126B_1803273	Ca_Kabuli_Chr01	NC_021160.1	1803273	TT	CC	CC	INTERGENIC		
SNP_127B_1805738	Ca_Kabuli_Chr01	NC_021160.1	1805738	CC	TT	TT	URR	101494303	equilibrative nucleotide transporter 3-like
SNP_128B_1805743	Ca_Kabuli_Chr01	NC_021160.1	1805743	AA	GG	GG	URR	101494303	equilibrative nucleotide transporter 3-like
SNP_129B_1805769	Ca_Kabuli_Chr01	NC_021160.1	1805769	AA	GG	GG	URR	101494303	equilibrative nucleotide transporter 3-like
SNP_130B_1807689	Ca_Kabuli_Chr01	NC_021160.1	1807689	AA	GG	GG	INTERGENIC		
SNP_131B_1807694	Ca_Kabuli_Chr01	NC_021160.1	1807694	TT	CC	CC	INTERGENIC		
SNP_132B_1807701	Ca_Kabuli_Chr01	NC_021160.1	1807701	TT	CC	CC	INTERGENIC		
SNP_133B_1808763	Ca_Kabuli_Chr01	NC_021160.1	1808763	TT	CC	CC	INTERGENIC		
SNP_134B_1813097	Ca_Kabuli_Chr01	NC_021160.1	1813097	AA	TT	TT	INTRON	101494927	equilibrative nucleotide transporter 3-like
SNP_135B_1813109	Ca_Kabuli_Chr01	NC_021160.1	1813109	TT	GG	GG	INTRON	101494927	equilibrative nucleotide transporter 3-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_136B_1818016	Ca_Kabuli_Chr01	NC_021160.1	1818016	TT	AA	AA	DRR	101508262	Unknown function
SNP_137B_1818017	Ca_Kabuli_Chr01	NC_021160.1	1818017	GG	TT	TT	DRR	101508262	Unknown function
SNP_138B_1818023	Ca_Kabuli_Chr01	NC_021160.1	1818023	AA	CC	CC	DRR	101508262	Unknown function
SNP_139B_1818035	Ca_Kabuli_Chr01	NC_021160.1	1818035	CC	GG	GG	DRR	101508262	Unknown function
SNP_140B_1818290	Ca_Kabuli_Chr01	NC_021160.1	1818290	TT	CC	CC	INTERGENIC		
SNP_141B_1818773	Ca_Kabuli_Chr01	NC_021160.1	1818773	CC	TT	TT	URR	101508262	Unknown function
SNP_142B_1819347	Ca_Kabuli_Chr01	NC_021160.1	1819347	GG	CC	CC	URR	101508262	Unknown function
SNP_143B_1820590	Ca_Kabuli_Chr01	NC_021160.1	1820590	AA	TT	TT	URR	101508262	Unknown function
SNP_145B_1836111	Ca_Kabuli_Chr01	NC_021160.1	1836111	TT	AA	AA	URR	101495478	uncharacterized aarF domain-containing protein kinase 2
SNP_146B_1836817	Ca_Kabuli_Chr01	NC_021160.1	1836817	AA	TT	TT	URR	101495478	uncharacterized aarF domain-containing protein kinase 2
SNP_147B_1836918	Ca_Kabuli_Chr01	NC_021160.1	1836918	TT	AA	AA	URR	101495478	uncharacterized aarF domain-containing protein kinase 2
SNP_148B_1837125	Ca_Kabuli_Chr01	NC_021160.1	1837125	GG	AA	AA	URR	101495478	uncharacterized aarF domain-containing protein kinase 2
SNP_149B_1840158	Ca_Kabuli_Chr01	NC_021160.1	1840158	AA	TT	TT	INTERGENIC		
SNP_150B_1840433	Ca_Kabuli_Chr01	NC_021160.1	1840433	CC	TT	TT	INTERGENIC		
SNP_151B_1840799	Ca_Kabuli_Chr01	NC_021160.1	1840799	AA	CC	CC	INTERGENIC		
SNP_152B_1840818	Ca_Kabuli_Chr01	NC_021160.1	1840818	CC	TT	TT	INTERGENIC		
SNP_153B_1840824	Ca_Kabuli_Chr01	NC_021160.1	1840824	AA	GG	GG	INTERGENIC		
SNP_154B_1840901	Ca_Kabuli_Chr01	NC_021160.1	1840901	AA	CC	CC	INTERGENIC		
SNP_155B_1840967	Ca_Kabuli_Chr01	NC_021160.1	1840967	CC	AA	AA	INTERGENIC		
SNP_156B_1840971	Ca_Kabuli_Chr01	NC_021160.1	1840971	TT	CC	CC	INTERGENIC		
SNP_157B_1840980	Ca_Kabuli_Chr01	NC_021160.1	1840980	TT	CC	CC	INTERGENIC		
SNP_159B_1841306	Ca_Kabuli_Chr01	NC_021160.1	1841306	GG	TT	TT	INTERGENIC		
SNP_160B_1841321	Ca_Kabuli_Chr01	NC_021160.1	1841321	AA	GG	GG	INTERGENIC		
SNP_161B_1841324	Ca_Kabuli_Chr01	NC_021160.1	1841324	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_162B_1841325	Ca_Kabuli_Chr01	NC_021160.1	1841325	CC	GG	GG	INTERGENIC		
SNP_163B_1841358	Ca_Kabuli_Chr01	NC_021160.1	1841358	AA	CC	CC	INTERGENIC		
SNP_164B_1841377	Ca_Kabuli_Chr01	NC_021160.1	1841377	TT	AA	AA	INTERGENIC		
SNP_166B_1845199	Ca_Kabuli_Chr01	NC_021160.1	1845199	CC	TT	TT	INTERGENIC		
SNP_167B_1848332	Ca_Kabuli_Chr01	NC_021160.1	1848332	TT	CC	CC	DRR	101495806	transcription factor MYB39
SNP_168B_1848347	Ca_Kabuli_Chr01	NC_021160.1	1848347	AA	GG	GG	DRR	101495806	transcription factor MYB39
SNP_169B_1848351	Ca_Kabuli_Chr01	NC_021160.1	1848351	GG	TT	TT	DRR	101495806	transcription factor MYB39
SNP_171B_1852687	Ca_Kabuli_Chr01	NC_021160.1	1852687	TT	CC	CC	INTERGENIC		
SNP_173B_1856423	Ca_Kabuli_Chr01	NC_021160.1	1856423	TT	AA	AA	DRR	101496129	putative PAP-specific phosphatase, mitochondrial
SNP_174B_1857837	Ca_Kabuli_Chr01	NC_021160.1	1857837	AA	TT	TT	INTRON	101496129	putative PAP-specific phosphatase, mitochondrial
SNP_175B_1857860	Ca_Kabuli_Chr01	NC_021160.1	1857860	CC	TT	TT	INTRON	101496129	putative PAP-specific phosphatase, mitochondrial
SNP_176B_1858064	Ca_Kabuli_Chr01	NC_021160.1	1858064	TT	AA	AA	INTRON	101496129	putative PAP-specific phosphatase, mitochondrial
SNP_177B_1858073	Ca_Kabuli_Chr01	NC_021160.1	1858073	TT	CC	CC	INTRON	101496129	putative PAP-specific phosphatase, mitochondrial
SNP_178B_1858078	Ca_Kabuli_Chr01	NC_021160.1	1858078	CC	TT	TT	INTRON	101496129	putative PAP-specific phosphatase, mitochondrial
SNP_179B_1858084	Ca_Kabuli_Chr01	NC_021160.1	1858084	TT	CC	CC	INTRON	101496129	putative PAP-specific phosphatase, mitochondrial
SNP_180B_1858600	Ca_Kabuli_Chr01	NC_021160.1	1858600	AA	GG	GG	INTRON	101496129	putative PAP-specific phosphatase, mitochondrial
SNP_181B_1858608	Ca_Kabuli_Chr01	NC_021160.1	1858608	AA	TT	TT	INTRON	101496129	putative PAP-specific phosphatase, mitochondrial
SNP_182B_1864397	Ca_Kabuli_Chr01	NC_021160.1	1864397	AA	GG	GG	DRR	101508897	external alternative NAD(P)H-ubiquinone oxidoreductase B2, mitochondrial-like
SNP_183B_1864909	Ca_Kabuli_Chr01	NC_021160.1	1864909	TT	GG	GG	DRR	101508897	external alternative NAD(P)H-ubiquinone oxidoreductase B2, mitochondrial-like
SNP_184B_1869845	Ca_Kabuli_Chr01	NC_021160.1	1869845	GG	AA	AA	INTERGENIC		
SNP_185B_1869849	Ca_Kabuli_Chr01	NC_021160.1	1869849	TT	CC	CC	INTERGENIC		
SNP_187B_1878793	Ca_Kabuli_Chr01	NC_021160.1	1878793	CC	GG	GG	DRR	101496994	uncharacterized LOC101496994
SNP_188B_1878834	Ca_Kabuli_Chr01	NC_021160.1	1878834	GG	CC	CC	DRR	101496994	uncharacterized LOC101496994
SNP_189B_1878874	Ca_Kabuli_Chr01	NC_021160.1	1878874	CC	GG	GG	DRR	101496994	uncharacterized LOC101496994

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_190B_1901283	Ca_Kabuli_Chr01	NC_021160.1	1901283	AA	GG	GG	NON_SYNONYMOUS_CODING	101498197	uncharacterized LOC101498197
SNP_191B_1903277	Ca_Kabuli_Chr01	NC_021160.1	1903277	CC	TT	TT	INTERGENIC		
SNP_192B_1904956	Ca_Kabuli_Chr01	NC_021160.1	1904956	AA	GG	GG	INTERGENIC		
SNP_193B_1914403	Ca_Kabuli_Chr01	NC_021160.1	1914403	AA	CC	CC	INTERGENIC		
SNP_194B_1915762	Ca_Kabuli_Chr01	NC_021160.1	1915762	CC	GG	GG	INTERGENIC		
SNP_195B_1915783	Ca_Kabuli_Chr01	NC_021160.1	1915783	CC	TT	TT	INTERGENIC		
SNP_196B_1917563	Ca_Kabuli_Chr01	NC_021160.1	1917563	AA	TT	TT	INTERGENIC		
SNP_197B_1927368	Ca_Kabuli_Chr01	NC_021160.1	1927368	CC	GG	GG	URR	101498971	uncharacterized LOC101498971
SNP_199B_1933576	Ca_Kabuli_Chr01	NC_021160.1	1933576	CC	TT	TT	INTRON	101499291	sphingosine kinase 1
SNP_200B_1936712	Ca_Kabuli_Chr01	NC_021160.1	1936712	TT	AA	AA	INTRON	101499291	sphingosine kinase 1
SNP_201B_1937270	Ca_Kabuli_Chr01	NC_021160.1	1937270	AA	CC	CC	INTRON	101499291	sphingosine kinase 1
SNP_202B_1941964	Ca_Kabuli_Chr01	NC_021160.1	1941964	AA	CC	CC	INTERGENIC		
SNP_203B_1944289	Ca_Kabuli_Chr01	NC_021160.1	1944289	AA	GG	GG	INTERGENIC		
SNP_204B_1944290	Ca_Kabuli_Chr01	NC_021160.1	1944290	GG	CC	CC	INTERGENIC		
SNP_205B_1944294	Ca_Kabuli_Chr01	NC_021160.1	1944294	AA	GG	GG	INTERGENIC		
SNP_206B_1949826	Ca_Kabuli_Chr01	NC_021160.1	1949826	AA	CC	CC	NON_SYNONYMOUS_CODING	101499608	uncharacterized LOC101499608
SNP_207B_1955024	Ca_Kabuli_Chr01	NC_021160.1	1955024	CC	GG	GG	INTRON	101500251	B3 domain-containing protein Os07g0563300-like
SNP_208B_1960008	Ca_Kabuli_Chr01	NC_021160.1	1960008	CC	GG	GG	INTRON	101500251	B3 domain-containing protein Os07g0563300-like
SNP_209B_1965956	Ca_Kabuli_Chr01	NC_021160.1	1965956	GG	AA	AA	INTERGENIC		
SNP_210B_1965979	Ca_Kabuli_Chr01	NC_021160.1	1965979	TT	GG	GG	INTERGENIC		
SNP_211B_1969825	Ca_Kabuli_Chr01	NC_021160.1	1969825	AA	GG	GG	INTERGENIC		
SNP_212B_1971071	Ca_Kabuli_Chr01	NC_021160.1	1971071	CC	TT	TT	DRR	101500879	pre-mRNA-splicing factor SYF1
SNP_213B_1971167	Ca_Kabuli_Chr01	NC_021160.1	1971167	TT	CC	CC	DRR	101500879	pre-mRNA-splicing factor SYF1
SNP_216B_1974276	Ca_Kabuli_Chr01	NC_021160.1	1974276	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_217B_1975258	Ca_Kabuli_Chr01	NC_021160.1	1975258	CC	TT	TT	INTERGENIC		
SNP_218B_1977191	Ca_Kabuli_Chr01	NC_021160.1	1977191	TT	AA	AA	DRR	101501207	uncharacterized LOC101501207
SNP_219B_1977217	Ca_Kabuli_Chr01	NC_021160.1	1977217	AA	GG	GG	DRR	101501207	uncharacterized LOC101501207
SNP_220B_1980604	Ca_Kabuli_Chr01	NC_021160.1	1980604	AA	TT	TT	URR	101501207	uncharacterized LOC101501207
SNP_221B_1980689	Ca_Kabuli_Chr01	NC_021160.1	1980689	AA	GG	GG	URR	101501207	uncharacterized LOC101501207
SNP_222B_1981229	Ca_Kabuli_Chr01	NC_021160.1	1981229	AA	GG	GG	INTERGENIC		
SNP_223B_1981231	Ca_Kabuli_Chr01	NC_021160.1	1981231	GG	AA	AA	INTERGENIC		
SNP_224B_1984344	Ca_Kabuli_Chr01	NC_021160.1	1984344	AA	GG	GG	INTERGENIC		
SNP_225B_1984384	Ca_Kabuli_Chr01	NC_021160.1	1984384	TT	CC	CC	INTERGENIC		
SNP_226B_1984386	Ca_Kabuli_Chr01	NC_021160.1	1984386	TT	AA	AA	INTERGENIC		
SNP_227B_1984404	Ca_Kabuli_Chr01	NC_021160.1	1984404	AA	CC	CC	INTERGENIC		
SNP_228B_1986445	Ca_Kabuli_Chr01	NC_021160.1	1986445	CC	AA	AA	INTERGENIC		
SNP_229B_1986647	Ca_Kabuli_Chr01	NC_021160.1	1986647	AA	TT	TT	DRR	101502160	transmembrane protein 184A
SNP_231B_1989099	Ca_Kabuli_Chr01	NC_021160.1	1989099	AA	CC	CC	INTERGENIC		
SNP_232B_1989313	Ca_Kabuli_Chr01	NC_021160.1	1989313	GG	CC	CC	INTERGENIC		
SNP_233B_1989336	Ca_Kabuli_Chr01	NC_021160.1	1989336	TT	CC	CC	INTERGENIC		
SNP_235B_1991152	Ca_Kabuli_Chr01	NC_021160.1	1991152	TT	CC	CC	URR	101502160	transmembrane protein 184A
SNP_236B_2004256	Ca_Kabuli_Chr01	NC_021160.1	2004256	CC	AA	AA	URR	101502477	60S ribosomal protein L26-1
SNP_237B_2004281	Ca_Kabuli_Chr01	NC_021160.1	2004281	AA	GG	GG	URR	101502477	60S ribosomal protein L26-1
SNP_240B_2004925	Ca_Kabuli_Chr01	NC_021160.1	2004925	CC	TT	TT	URR	101502477	60S ribosomal protein L26-1
SNP_241B_2006576	Ca_Kabuli_Chr01	NC_021160.1	2006576	TT	CC	CC	URR	101502780	endonuclease 1
SNP_242B_2006613	Ca_Kabuli_Chr01	NC_021160.1	2006613	CC	TT	TT	URR	101502780	endonuclease 1
SNP_243B_2006618	Ca_Kabuli_Chr01	NC_021160.1	2006618	GG	AA	AA	URR	101502780	endonuclease 1
SNP_244B_2006631	Ca_Kabuli_Chr01	NC_021160.1	2006631	TT	GG	GG	URR	101502780	endonuclease 1

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_245B_2006636	Ca_Kabuli_Chr01	NC_021160.1	2006636	TT	AA	AA	URR	101502780	endonuclease 1
SNP_246B_2006648	Ca_Kabuli_Chr01	NC_021160.1	2006648	CC	TT	TT	URR	101502780	endonuclease 1
SNP_247B_2006857	Ca_Kabuli_Chr01	NC_021160.1	2006857	TT	CC	CC	URR	101502780	endonuclease 1
SNP_248B_2006938	Ca_Kabuli_Chr01	NC_021160.1	2006938	AA	CC	CC	URR	101502780	endonuclease 1
SNP_249B_2007826	Ca_Kabuli_Chr01	NC_021160.1	2007826	TT	CC	CC	URR	101502780	endonuclease 1
SNP_250B_2008916	Ca_Kabuli_Chr01	NC_021160.1	2008916	TT	AA	AA	INTERGENIC		
SNP_251B_2011818	Ca_Kabuli_Chr01	NC_021160.1	2011818	GG	TT	TT	INTRON	101503100	lysine histidine transporter-like 8
SNP_253B_2015716	Ca_Kabuli_Chr01	NC_021160.1	2015716	CC	TT	TT	URR	101503100	lysine histidine transporter-like 8
SNP_254B_2016096	Ca_Kabuli_Chr01	NC_021160.1	2016096	AA	CC	CC	DRR	101503428	PAP-specific phosphatase HAL2-like
SNP_255B_2019073	Ca_Kabuli_Chr01	NC_021160.1	2019073	CC	TT	TT	INTERGENIC		
SNP_256B_2019088	Ca_Kabuli_Chr01	NC_021160.1	2019088	CC	TT	TT	INTERGENIC		
SNP_257B_2024412	Ca_Kabuli_Chr01	NC_021160.1	2024412	AA	GG	GG	DRR	101503765	secretory carrier-associated membrane protein-like
SNP_258B_2024423	Ca_Kabuli_Chr01	NC_021160.1	2024423	AA	GG	GG	DRR	101503765	secretory carrier-associated membrane protein-like
SNP_259B_2024442	Ca_Kabuli_Chr01	NC_021160.1	2024442	CC	TT	TT	DRR	101503765	secretory carrier-associated membrane protein-like
SNP_260B_2024480	Ca_Kabuli_Chr01	NC_021160.1	2024480	GG	AA	AA	DRR	101503765	secretory carrier-associated membrane protein-like
SNP_261B_2032788	Ca_Kabuli_Chr01	NC_021160.1	2032788	AA	GG	GG	INTERGENIC		
SNP_262B_2032805	Ca_Kabuli_Chr01	NC_021160.1	2032805	CC	TT	TT	INTERGENIC		
SNP_263B_2042894	Ca_Kabuli_Chr01	NC_021160.1	2042894	TT	AA	AA	INTERGENIC		
SNP_264B_2043078	Ca_Kabuli_Chr01	NC_021160.1	2043078	AA	GG	GG	INTERGENIC		
SNP_265B_2043455	Ca_Kabuli_Chr01	NC_021160.1	2043455	AA	TT	TT	INTERGENIC		
SNP_266B_2044684	Ca_Kabuli_Chr01	NC_021160.1	2044684	GG	AA	AA	INTERGENIC		
SNP_267B_2044693	Ca_Kabuli_Chr01	NC_021160.1	2044693	AA	GG	GG	INTERGENIC		
SNP_268B_2044717	Ca_Kabuli_Chr01	NC_021160.1	2044717	TT	AA	AA	INTERGENIC		
SNP_269B_2044723	Ca_Kabuli_Chr01	NC_021160.1	2044723	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_270B_2049729	Ca_Kabuli_Chr01	NC_021160.1	2049729	GG	AA	AA	DRR	101504401	putative disease resistance protein At3g14460
SNP_271B_2050835	Ca_Kabuli_Chr01	NC_021160.1	2050835	GG	TT	TT	INTRON	id2417	Unknown function
SNP_272B_2054795	Ca_Kabuli_Chr01	NC_021160.1	2054795	TT	GG	GG	INTERGENIC		
SNP_273B_2055193	Ca_Kabuli_Chr01	NC_021160.1	2055193	GG	AA	AA	URR	101504943	putative disease resistance protein At3g14460
SNP_274B_2055194	Ca_Kabuli_Chr01	NC_021160.1	2055194	CC	TT	TT	URR	101504943	putative disease resistance protein At3g14460
SNP_275B_2055540	Ca_Kabuli_Chr01	NC_021160.1	2055540	CC	TT	TT	URR	101504943	putative disease resistance protein At3g14460
SNP_276B_2055558	Ca_Kabuli_Chr01	NC_021160.1	2055558	CC	AA	AA	URR	101504943	putative disease resistance protein At3g14460
SNP_277B_2056260	Ca_Kabuli_Chr01	NC_021160.1	2056260	TT	AA	AA	URR	101504943	putative disease resistance protein At3g14460
SNP_278B_2056581	Ca_Kabuli_Chr01	NC_021160.1	2056581	GG	AA	AA	URR	101504943	putative disease resistance protein At3g14460
SNP_279B_2056708	Ca_Kabuli_Chr01	NC_021160.1	2056708	CC	TT	TT	URR	101504943	putative disease resistance protein At3g14460
SNP_280B_2058749	Ca_Kabuli_Chr01	NC_021160.1	2058749	AA	GG	GG	DRR	101510509	uncharacterized LOC101510509
SNP_282B_2058874	Ca_Kabuli_Chr01	NC_021160.1	2058874	TT	GG	GG	DRR	101510509	uncharacterized LOC101510509
SNP_283B_2058965	Ca_Kabuli_Chr01	NC_021160.1	2058965	CC	TT	TT	DRR	101510509	uncharacterized LOC101510509
SNP_284B_2058969	Ca_Kabuli_Chr01	NC_021160.1	2058969	GG	AA	AA	DRR	101510509	uncharacterized LOC101510509
SNP_285B_2058988	Ca_Kabuli_Chr01	NC_021160.1	2058988	AA	GG	GG	DRR	101510509	uncharacterized LOC101510509
SNP_286B_2059011	Ca_Kabuli_Chr01	NC_021160.1	2059011	GG	AA	AA	DRR	101510509	uncharacterized LOC101510509
SNP_287B_2059032	Ca_Kabuli_Chr01	NC_021160.1	2059032	GG	AA	AA	DRR	101510509	uncharacterized LOC101510509
SNP_288B_2059065	Ca_Kabuli_Chr01	NC_021160.1	2059065	GG	AA	AA	DRR	101510509	uncharacterized LOC101510509
SNP_289B_2059085	Ca_Kabuli_Chr01	NC_021160.1	2059085	GG	TT	TT	DRR	101510509	uncharacterized LOC101510509
SNP_290B_2067552	Ca_Kabuli_Chr01	NC_021160.1	2067552	GG	TT	TT	URR	101510509	uncharacterized LOC101510509
SNP_291B_2067569	Ca_Kabuli_Chr01	NC_021160.1	2067569	TT	GG	GG	URR	101510509	uncharacterized LOC101510509
SNP_292B_2071879	Ca_Kabuli_Chr01	NC_021160.1	2071879	CC	TT	TT	URR	101505362	secretory carrier-associated membrane protein-like
SNP_293B_2073062	Ca_Kabuli_Chr01	NC_021160.1	2073062	GG	AA	AA	SYNONYMOUS_CODING	101505696	putative disease resistance protein At3g14460
SNP_294B_2073955	Ca_Kabuli_Chr01	NC_021160.1	2073955	AA	GG	GG	NON_SYNONYMOUS_CODING	101505696	putative disease resistance protein At3g14460

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_296B_2074332	Ca_Kabuli_Chr01	NC_021160.1	2074332	AA	GG	GG	INTERGENIC		
SNP_297B_2074334	Ca_Kabuli_Chr01	NC_021160.1	2074334	CC	GG	GG	INTERGENIC		
SNP_298B_2080686	Ca_Kabuli_Chr01	NC_021160.1	2080686	CC	AA	AA	INTRON	101506019	uncharacterized LOC101506019
SNP_299B_2080876	Ca_Kabuli_Chr01	NC_021160.1	2080876	CC	TT	TT	SYNONYMOUS_CODING	101506019	uncharacterized LOC101506019
SNP_300B_2081015	Ca_Kabuli_Chr01	NC_021160.1	2081015	GG	AA	AA	INTRON	101506019	uncharacterized LOC101506019
SNP_301B_2081050	Ca_Kabuli_Chr01	NC_021160.1	2081050	AA	CC	CC	INTRON	101506019	uncharacterized LOC101506019
SNP_303B_2085820	Ca_Kabuli_Chr01	NC_021160.1	2085820	TT	CC	CC	URR	101506019	uncharacterized LOC101506019
SNP_304B_2085839	Ca_Kabuli_Chr01	NC_021160.1	2085839	GG	AA	AA	URR	101506019	uncharacterized LOC101506019
SNP_306B_2085910	Ca_Kabuli_Chr01	NC_021160.1	2085910	CC	AA	AA	URR	101506019	uncharacterized LOC101506019
SNP_307B_2090872	Ca_Kabuli_Chr01	NC_021160.1	2090872	GG	AA	AA	DRR	101507433	uncharacterized LOC101507433
SNP_308B_2091561	Ca_Kabuli_Chr01	NC_021160.1	2091561	GG	CC	CC	DRR	101507433	uncharacterized LOC101507433
SNP_309B_2095150	Ca_Kabuli_Chr01	NC_021160.1	2095150	GG	TT	TT	INTRON	101507433	uncharacterized LOC101507433
SNP_310B_2099029	Ca_Kabuli_Chr01	NC_021160.1	2099029	GG	TT	TT	URR	101507433	uncharacterized LOC101507433
SNP_311B_2099708	Ca_Kabuli_Chr01	NC_021160.1	2099708	TT	CC	CC	URR	101507433	uncharacterized LOC101507433
SNP_313B_2113196	Ca_Kabuli_Chr01	NC_021160.1	2113196	TT	AA	AA	URR	101507740	katanin p80 WD40 repeat-containing subunit B1 homolog
SNP_314B_2114820	Ca_Kabuli_Chr01	NC_021160.1	2114820	TT	CC	CC	INTERGENIC		
SNP_316B_2115154	Ca_Kabuli_Chr01	NC_021160.1	2115154	CC	TT	TT	INTERGENIC		
SNP_317B_2115185	Ca_Kabuli_Chr01	NC_021160.1	2115185	CC	TT	TT	INTERGENIC		
SNP_318B_2116539	Ca_Kabuli_Chr01	NC_021160.1	2116539	GG	AA	AA	INTERGENIC		
SNP_319B_2116540	Ca_Kabuli_Chr01	NC_021160.1	2116540	AA	GG	GG	INTERGENIC		
SNP_320B_2119208	Ca_Kabuli_Chr01	NC_021160.1	2119208	CC	TT	TT	INTERGENIC		
SNP_321B_2119239	Ca_Kabuli_Chr01	NC_021160.1	2119239	TT	AA	AA	INTERGENIC		
SNP_322B_2124581	Ca_Kabuli_Chr01	NC_021160.1	2124581	AA	GG	GG	INTRON	101508062	protein STRUBBELIG-RECEPTOR FAMILY 3-like
SNP_324B_2131955	Ca_Kabuli_Chr01	NC_021160.1	2131955	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_325B_2131997	Ca_Kabuli_Chr01	NC_021160.1	2131997	GG	AA	AA	INTERGENIC		
SNP_326B_2165951	Ca_Kabuli_Chr01	NC_021160.1	2165951	CC	AA	AA	INTERGENIC		
SNP_327B_2199559	Ca_Kabuli_Chr01	NC_021160.1	2199559	TT	CC	CC	URR	101510834	toll/interleukin-1 receptor-like protein
SNP_328B_2217570	Ca_Kabuli_Chr01	NC_021160.1	2217570	AA	TT	TT	INTERGENIC		
SNP_329B_2225676	Ca_Kabuli_Chr01	NC_021160.1	2225676	AA	GG	GG	INTERGENIC		
SNP_330B_2228217	Ca_Kabuli_Chr01	NC_021160.1	2228217	TT	CC	CC	INTERGENIC		
SNP_331B_2230563	Ca_Kabuli_Chr01	NC_021160.1	2230563	GG	AA	AA	INTERGENIC		
SNP_332B_2230689	Ca_Kabuli_Chr01	NC_021160.1	2230689	GG	TT	TT	INTERGENIC		
SNP_333B_2230887	Ca_Kabuli_Chr01	NC_021160.1	2230887	CC	TT	TT	INTERGENIC		
SNP_334B_2230951	Ca_Kabuli_Chr01	NC_021160.1	2230951	TT	CC	CC	INTERGENIC		
SNP_335B_2231939	Ca_Kabuli_Chr01	NC_021160.1	2231939	TT	GG	GG	DRR	101512564	allantoinase
SNP_336B_2235641	Ca_Kabuli_Chr01	NC_021160.1	2235641	TT	AA	AA	INTERGENIC		
SNP_337B_2235652	Ca_Kabuli_Chr01	NC_021160.1	2235652	GG	TT	TT	INTERGENIC		
SNP_338B_2236495	Ca_Kabuli_Chr01	NC_021160.1	2236495	GG	TT	TT	INTERGENIC		
SNP_339B_2236501	Ca_Kabuli_Chr01	NC_021160.1	2236501	TT	CC	CC	INTERGENIC		
SNP_340B_2236690	Ca_Kabuli_Chr01	NC_021160.1	2236690	GG	CC	CC	INTERGENIC		
SNP_341B_2237589	Ca_Kabuli_Chr01	NC_021160.1	2237589	GG	CC	CC	INTERGENIC		
SNP_342B_2246160	Ca_Kabuli_Chr01	NC_021160.1	2246160	AA	GG	GG	INTERGENIC		
SNP_343B_2248077	Ca_Kabuli_Chr01	NC_021160.1	2248077	AA	GG	GG	INTERGENIC		
SNP_344B_2248193	Ca_Kabuli_Chr01	NC_021160.1	2248193	TT	CC	CC	INTERGENIC		
SNP_345B_2248445	Ca_Kabuli_Chr01	NC_021160.1	2248445	GG	AA	AA	INTERGENIC		
SNP_346B_2250263	Ca_Kabuli_Chr01	NC_021160.1	2250263	CC	TT	TT	INTERGENIC		
SNP_348B_2256151	Ca_Kabuli_Chr01	NC_021160.1	2256151	CC	TT	TT	INTERGENIC		
SNP_349B_2256152	Ca_Kabuli_Chr01	NC_021160.1	2256152	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_350B_2257422	Ca_Kabuli_Chr01	NC_021160.1	2257422	TT	GG	GG	INTERGENIC		
SNP_351B_2263908	Ca_Kabuli_Chr01	NC_021160.1	2263908	GG	TT	TT	URR	101513623	CBS domain-containing protein CBSX5-like
SNP_352B_2264642	Ca_Kabuli_Chr01	NC_021160.1	2264642	GG	AA	AA	URR	101513623	CBS domain-containing protein CBSX5-like
SNP_353B_2264647	Ca_Kabuli_Chr01	NC_021160.1	2264647	GG	AA	AA	URR	101513623	CBS domain-containing protein CBSX5-like
SNP_354B_2264963	Ca_Kabuli_Chr01	NC_021160.1	2264963	GG	AA	AA	URR	101513623	CBS domain-containing protein CBSX5-like
SNP_355B_2271253	Ca_Kabuli_Chr01	NC_021160.1	2271253	CC	TT	TT	DRR	101514288	splicing factor U2af large subunit B-like
SNP_356B_2271254	Ca_Kabuli_Chr01	NC_021160.1	2271254	TT	CC	CC	DRR	101514288	splicing factor U2af large subunit B-like
SNP_357B_2278951	Ca_Kabuli_Chr01	NC_021160.1	2278951	TT	CC	CC	INTRON	101514288	splicing factor U2af large subunit B-like
SNP_358B_2280478	Ca_Kabuli_Chr01	NC_021160.1	2280478	AA	CC	CC	URR	101514288	splicing factor U2af large subunit B-like
SNP_359B_2290092	Ca_Kabuli_Chr01	NC_021160.1	2290092	AA	GG	GG	INTRON	101515142	mediator of RNA polymerase II transcription subunit 16-like
SNP_360B_2299658	Ca_Kabuli_Chr01	NC_021160.1	2299658	TT	CC	CC	URR	101515142	mediator of RNA polymerase II transcription subunit 16-like
SNP_361B_2301583	Ca_Kabuli_Chr01	NC_021160.1	2301583	CC	AA	AA	INTRON	101488340	proteinaceous RNase P 2
SNP_362B_2301950	Ca_Kabuli_Chr01	NC_021160.1	2301950	CC	AA	AA	NON_SYNONYMOUS_CODING	101488340	proteinaceous RNase P 2
SNP_363B_2304877	Ca_Kabuli_Chr01	NC_021160.1	2304877	AA	CC	CC	INTRON	101488340	proteinaceous RNase P 2
SNP_364B_2305477	Ca_Kabuli_Chr01	NC_021160.1	2305477	CC	TT	TT	SYNONYMOUS_CODING	101488340	proteinaceous RNase P 2
SNP_365B_2306340	Ca_Kabuli_Chr01	NC_021160.1	2306340	TT	CC	CC	INTERGENIC		
SNP_367B_2315178	Ca_Kabuli_Chr01	NC_021160.1	2315178	TT	CC	CC	INTERGENIC		
SNP_370B_2317125	Ca_Kabuli_Chr01	NC_021160.1	2317125	GG	AA	AA	URR	101489450	clathrin light chain 1-like
SNP_371B_2317154	Ca_Kabuli_Chr01	NC_021160.1	2317154	TT	GG	GG	URR	101489450	clathrin light chain 1-like
SNP_372B_2317439	Ca_Kabuli_Chr01	NC_021160.1	2317439	TT	AA	AA	URR	101489450	clathrin light chain 1-like
SNP_373B_2317443	Ca_Kabuli_Chr01	NC_021160.1	2317443	TT	AA	AA	URR	101489450	clathrin light chain 1-like
SNP_374B_2317656	Ca_Kabuli_Chr01	NC_021160.1	2317656	AA	GG	GG	URR	101489450	clathrin light chain 1-like
SNP_375B_2324363	Ca_Kabuli_Chr01	NC_021160.1	2324363	TT	CC	CC	URR	101489772	anthocyanidin reductase-like
SNP_376B_2324373	Ca_Kabuli_Chr01	NC_021160.1	2324373	CC	GG	GG	URR	101489772	anthocyanidin reductase-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_377B_2324409	Ca_Kabuli_Chr01	NC_021160.1	2324409	AA	TT	TT	URR	101489772	anthocyanidin reductase-like
SNP_380B_2334228	Ca_Kabuli_Chr01	NC_021160.1	2334228	CC	AA	AA	URR	101490417	probable polyol transporter 4
SNP_381B_2336856	Ca_Kabuli_Chr01	NC_021160.1	2336856	CC	TT	TT	INTRON	101490740	splicing factor 3B subunit 2-like
SNP_382B_2341448	Ca_Kabuli_Chr01	NC_021160.1	2341448	GG	AA	AA	URR	101490740	splicing factor 3B subunit 2-like
SNP_383B_2343203	Ca_Kabuli_Chr01	NC_021160.1	2343203	TT	GG	GG	URR	101490740	splicing factor 3B subunit 2-like
SNP_384B_2343249	Ca_Kabuli_Chr01	NC_021160.1	2343249	AA	CC	CC	URR	101490740	splicing factor 3B subunit 2-like
SNP_385B_2343390	Ca_Kabuli_Chr01	NC_021160.1	2343390	AA	CC	CC	INTERGENIC		
SNP_386B_2343864	Ca_Kabuli_Chr01	NC_021160.1	2343864	GG	AA	AA	INTERGENIC		
SNP_387B_2351911	Ca_Kabuli_Chr01	NC_021160.1	2351911	GG	TT	TT	DRR	101491377	uncharacterized LOC101491377
SNP_388B_2351938	Ca_Kabuli_Chr01	NC_021160.1	2351938	AA	GG	GG	DRR	101491377	uncharacterized LOC101491377
SNP_389B_2351972	Ca_Kabuli_Chr01	NC_021160.1	2351972	TT	CC	CC	DRR	101491377	uncharacterized LOC101491377
SNP_390B_2351998	Ca_Kabuli_Chr01	NC_021160.1	2351998	TT	CC	CC	DRR	101491377	uncharacterized LOC101491377
SNP_391B_2354838	Ca_Kabuli_Chr01	NC_021160.1	2354838	GG	CC	CC	NON_SYNONYMOUS_CODING	101491377	uncharacterized LOC101491377
SNP_392B_2357683	Ca_Kabuli_Chr01	NC_021160.1	2357683	CC	AA	AA	INTERGENIC		
SNP_393B_2359045	Ca_Kabuli_Chr01	NC_021160.1	2359045	GG	AA	AA	DRR	101491906	stress-related protein
SNP_394B_2360198	Ca_Kabuli_Chr01	NC_021160.1	2360198	TT	CC	CC	DRR	101492239	pentatricopeptide repeat-containing protein At4g21705, mitochondrial
SNP_395B_2360202	Ca_Kabuli_Chr01	NC_021160.1	2360202	AA	TT	TT	DRR	101492239	pentatricopeptide repeat-containing protein At4g21705, mitochondrial
SNP_396B_2360215	Ca_Kabuli_Chr01	NC_021160.1	2360215	TT	CC	CC	DRR	101492239	pentatricopeptide repeat-containing protein At4g21705, mitochondrial
SNP_397B_2364196	Ca_Kabuli_Chr01	NC_021160.1	2364196	GG	AA	AA	DRR	101492576	uncharacterized LOC101492576
SNP_398B_2364523	Ca_Kabuli_Chr01	NC_021160.1	2364523	CC	GG	GG	DRR	101492576	uncharacterized LOC101492576
SNP_399B_2364753	Ca_Kabuli_Chr01	NC_021160.1	2364753	TT	CC	CC	URR	101492239	pentatricopeptide repeat-containing protein At4g21705, mitochondrial
SNP_400B_2368107	Ca_Kabuli_Chr01	NC_021160.1	2368107	GG	AA	AA	URR	101492907	enoyl-CoA delta isomerase 2, peroxisomal-like
SNP_401B_2368140	Ca_Kabuli_Chr01	NC_021160.1	2368140	CC	TT	TT	URR	101492907	enoyl-CoA delta isomerase 2, peroxisomal-like
SNP_402B_2368144	Ca_Kabuli_Chr01	NC_021160.1	2368144	CC	TT	TT	URR	101492907	enoyl-CoA delta isomerase 2, peroxisomal-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_403B_2368150	Ca_Kabuli_Chr01	NC_021160.1	2368150	AA	TT	TT	URR	101492907	enoyl-CoA delta isomerase 2, peroxisomal-like
SNP_405B_2372454	Ca_Kabuli_Chr01	NC_021160.1	2372454	CC	TT	TT	INTERGENIC		
SNP_406B_2372521	Ca_Kabuli_Chr01	NC_021160.1	2372521	AA	GG	GG	INTERGENIC		
SNP_407B_2375461	Ca_Kabuli_Chr01	NC_021160.1	2375461	TT	CC	CC	URR	101493555	putative tRNA (cytidine(32)/guanosine(34)-2'-O)-methyltransferase
SNP_408B_2378405	Ca_Kabuli_Chr01	NC_021160.1	2378405	GG	TT	TT	URR	101493239	pentatricopeptide repeat-containing protein At2g29760, chloroplastic-like
SNP_409B_2378411	Ca_Kabuli_Chr01	NC_021160.1	2378411	CC	GG	GG	URR	101493239	pentatricopeptide repeat-containing protein At2g29760, chloroplastic-like
SNP_410B_2378412	Ca_Kabuli_Chr01	NC_021160.1	2378412	CC	TT	TT	URR	101493239	pentatricopeptide repeat-containing protein At2g29760, chloroplastic-like
SNP_411B_2380205	Ca_Kabuli_Chr01	NC_021160.1	2380205	TT	AA	AA	URR	101493874	E3 ubiquitin-protein ligase RMA1H1-like
SNP_412B_2380218	Ca_Kabuli_Chr01	NC_021160.1	2380218	CC	AA	AA	URR	101493874	E3 ubiquitin-protein ligase RMA1H1-like
SNP_413B_2380256	Ca_Kabuli_Chr01	NC_021160.1	2380256	TT	AA	AA	URR	101493874	E3 ubiquitin-protein ligase RMA1H1-like
SNP_414B_2385354	Ca_Kabuli_Chr01	NC_021160.1	2385354	CC	TT	TT	INTERGENIC		
SNP_415B_2385374	Ca_Kabuli_Chr01	NC_021160.1	2385374	GG	AA	AA	INTERGENIC		
SNP_416B_2385568	Ca_Kabuli_Chr01	NC_021160.1	2385568	GG	CC	CC	INTERGENIC		
SNP_417B_2400182	Ca_Kabuli_Chr01	NC_021160.1	2400182	AA	TT	TT	DRR	101495261	probable ubiquitin-conjugating enzyme E2 24
SNP_418B_2400188	Ca_Kabuli_Chr01	NC_021160.1	2400188	GG	TT	TT	DRR	101495261	probable ubiquitin-conjugating enzyme E2 24
SNP_419B_2400213	Ca_Kabuli_Chr01	NC_021160.1	2400213	AA	TT	TT	DRR	101495261	probable ubiquitin-conjugating enzyme E2 24
SNP_420B_2400248	Ca_Kabuli_Chr01	NC_021160.1	2400248	CC	AA	AA	DRR	101495261	probable ubiquitin-conjugating enzyme E2 24
SNP_421B_2408710	Ca_Kabuli_Chr01	NC_021160.1	2408710	TT	CC	CC	INTERGENIC		
SNP_422B_2408731	Ca_Kabuli_Chr01	NC_021160.1	2408731	AA	GG	GG	INTERGENIC		
SNP_423B_2411350	Ca_Kabuli_Chr01	NC_021160.1	2411350	TT	GG	GG	INTERGENIC		
SNP_424B_2411545	Ca_Kabuli_Chr01	NC_021160.1	2411545	TT	AA	AA	INTERGENIC		
SNP_427B_2414516	Ca_Kabuli_Chr01	NC_021160.1	2414516	AA	TT	TT	INTERGENIC		
SNP_429B_2417619	Ca_Kabuli_Chr01	NC_021160.1	2417619	CC	TT	TT	INTERGENIC		
SNP_430B_2420574	Ca_Kabuli_Chr01	NC_021160.1	2420574	CC	TT	TT	URR	101495580	uncharacterized LOC101495580

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_431B_2424140	Ca_Kabuli_Chr01	NC_021160.1	2424140	CC	TT	TT	INTRON	101495908	uncharacterized LOC101495908
SNP_432B_2429980	Ca_Kabuli_Chr01	NC_021160.1	2429980	CC	AA	AA	URR	101495908	uncharacterized LOC101495908
SNP_433B_2431345	Ca_Kabuli_Chr01	NC_021160.1	2431345	AA	GG	GG	INTERGENIC		
SNP_434B_2431366	Ca_Kabuli_Chr01	NC_021160.1	2431366	GG	AA	AA	INTERGENIC		
SNP_435B_2432891	Ca_Kabuli_Chr01	NC_021160.1	2432891	CC	AA	AA	INTERGENIC		
SNP_436B_2434887	Ca_Kabuli_Chr01	NC_021160.1	2434887	GG	TT	TT	INTERGENIC		
SNP_437B_2434904	Ca_Kabuli_Chr01	NC_021160.1	2434904	TT	CC	CC	INTERGENIC		
SNP_438B_2435026	Ca_Kabuli_Chr01	NC_021160.1	2435026	GG	AA	AA	INTERGENIC		
SNP_439B_2436596	Ca_Kabuli_Chr01	NC_021160.1	2436596	CC	TT	TT	INTERGENIC		
SNP_440B_2437900	Ca_Kabuli_Chr01	NC_021160.1	2437900	TT	CC	CC	INTERGENIC		
SNP_441B_2438553	Ca_Kabuli_Chr01	NC_021160.1	2438553	GG	CC	CC	INTERGENIC		
SNP_442B_2438555	Ca_Kabuli_Chr01	NC_021160.1	2438555	TT	CC	CC	INTERGENIC		
SNP_443B_2448191	Ca_Kabuli_Chr01	NC_021160.1	2448191	TT	AA	AA	DRR	101496996	uncharacterized LOC101496996
SNP_444B_2448790	Ca_Kabuli_Chr01	NC_021160.1	2448790	CC	TT	TT	DRR	101496996	uncharacterized LOC101496996
SNP_445B_2451185	Ca_Kabuli_Chr01	NC_021160.1	2451185	TT	CC	CC	INTRON	101496996	uncharacterized LOC101496996
SNP_446B_2451188	Ca_Kabuli_Chr01	NC_021160.1	2451188	TT	CC	CC	INTRON	101496996	uncharacterized LOC101496996
SNP_447B_2452591	Ca_Kabuli_Chr01	NC_021160.1	2452591	GG	AA	AA	URR	101496996	uncharacterized LOC101496996
SNP_448B_2452592	Ca_Kabuli_Chr01	NC_021160.1	2452592	AA	GG	GG	URR	101496996	uncharacterized LOC101496996
SNP_449B_2452976	Ca_Kabuli_Chr01	NC_021160.1	2452976	AA	GG	GG	URR	101496996	uncharacterized LOC101496996
SNP_450B_2465927	Ca_Kabuli_Chr01	NC_021160.1	2465927	AA	GG	GG	INTERGENIC		
SNP_451B_2466158	Ca_Kabuli_Chr01	NC_021160.1	2466158	GG	AA	AA	INTERGENIC		
SNP_452B_2466165	Ca_Kabuli_Chr01	NC_021160.1	2466165	CC	AA	AA	INTERGENIC		
SNP_453B_2471235	Ca_Kabuli_Chr01	NC_021160.1	2471235	TT	CC	CC	INTRON	101497642	eukaryotic translation initiation factor 3 subunit D-like
SNP_454B_2471240	Ca_Kabuli_Chr01	NC_021160.1	2471240	CC	AA	AA	INTRON	101497642	eukaryotic translation initiation factor 3 subunit D-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_455B_2471807	Ca_Kabuli_Chr01	NC_021160.1	2471807	CC	GG	GG	INTRON	101497642	eukaryotic translation initiation factor 3 subunit D-like
SNP_456B_2474493	Ca_Kabuli_Chr01	NC_021160.1	2474493	CC	TT	TT	INTERGENIC		
SNP_457B_2545109	Ca_Kabuli_Chr01	NC_021160.1	2545109	CC	GG	GG	URR	101500567	uncharacterized protein ECU03_1610
SNP_458B_2560421	Ca_Kabuli_Chr01	NC_021160.1	2560421	GG	CC	CC	INTERGENIC		
SNP_459B_2623032	Ca_Kabuli_Chr01	NC_021160.1	2623032	CC	AA	AA	INTERGENIC		
SNP_460B_2637176	Ca_Kabuli_Chr01	NC_021160.1	2637176	TT	CC	CC	DRR	101503876	receptor-like protein kinase At3g21340
SNP_461B_2637183	Ca_Kabuli_Chr01	NC_021160.1	2637183	CC	TT	TT	DRR	101503876	receptor-like protein kinase At3g21340
SNP_462B_2637201	Ca_Kabuli_Chr01	NC_021160.1	2637201	AA	TT	TT	DRR	101503876	receptor-like protein kinase At3g21340
SNP_463B_2647059	Ca_Kabuli_Chr01	NC_021160.1	2647059	CC	TT	TT	INTERGENIC		
SNP_464B_2650443	Ca_Kabuli_Chr01	NC_021160.1	2650443	GG	AA	AA	URR	101504196	ethylene-responsive transcription factor 12
SNP_465B_2650448	Ca_Kabuli_Chr01	NC_021160.1	2650448	GG	AA	AA	URR	101504196	ethylene-responsive transcription factor 12
SNP_466B_2651532	Ca_Kabuli_Chr01	NC_021160.1	2651532	TT	AA	AA	URR	101504196	ethylene-responsive transcription factor 12
SNP_467B_2651537	Ca_Kabuli_Chr01	NC_021160.1	2651537	CC	TT	TT	URR	101504196	ethylene-responsive transcription factor 12
SNP_469B_2655183	Ca_Kabuli_Chr01	NC_021160.1	2655183	CC	TT	TT	INTERGENIC		
SNP_470B_2656460	Ca_Kabuli_Chr01	NC_021160.1	2656460	AA	GG	GG	INTERGENIC		
SNP_472B_2656519	Ca_Kabuli_Chr01	NC_021160.1	2656519	TT	CC	CC	INTERGENIC		
SNP_473B_2661102	Ca_Kabuli_Chr01	NC_021160.1	2661102	TT	AA	AA	INTERGENIC		
SNP_474B_2661153	Ca_Kabuli_Chr01	NC_021160.1	2661153	AA	CC	CC	INTERGENIC		
SNP_475B_2661237	Ca_Kabuli_Chr01	NC_021160.1	2661237	AA	TT	TT	INTERGENIC		
SNP_476B_2661239	Ca_Kabuli_Chr01	NC_021160.1	2661239	AA	GG	GG	INTERGENIC		
SNP_477B_2661245	Ca_Kabuli_Chr01	NC_021160.1	2661245	GG	AA	AA	INTERGENIC		
SNP_478B_2661266	Ca_Kabuli_Chr01	NC_021160.1	2661266	TT	CC	CC	INTERGENIC		
SNP_479B_2661268	Ca_Kabuli_Chr01	NC_021160.1	2661268	GG	AA	AA	INTERGENIC		
SNP_480B_2661315	Ca_Kabuli_Chr01	NC_021160.1	2661315	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_482B_2661527	Ca_Kabuli_Chr01	NC_021160.1	2661527	GG	AA	AA	INTERGENIC		
SNP_483B_2661714	Ca_Kabuli_Chr01	NC_021160.1	2661714	CC	AA	AA	INTERGENIC		
SNP_486B_2668184	Ca_Kabuli_Chr01	NC_021160.1	2668184	TT	CC	CC	INTERGENIC		
SNP_487B_2669221	Ca_Kabuli_Chr01	NC_021160.1	2669221	GG	TT	TT	INTERGENIC		
SNP_488B_2669222	Ca_Kabuli_Chr01	NC_021160.1	2669222	AA	TT	TT	INTERGENIC		
SNP_489B_2669250	Ca_Kabuli_Chr01	NC_021160.1	2669250	CC	TT	TT	INTERGENIC		
SNP_491B_2669565	Ca_Kabuli_Chr01	NC_021160.1	2669565	AA	TT	TT	INTERGENIC		
SNP_492B_2669572	Ca_Kabuli_Chr01	NC_021160.1	2669572	TT	CC	CC	INTERGENIC		
SNP_493B_2672088	Ca_Kabuli_Chr01	NC_021160.1	2672088	CC	GG	GG	URR	101504527	ethylene-responsive transcription factor 4
SNP_494B_2672089	Ca_Kabuli_Chr01	NC_021160.1	2672089	GG	TT	TT	URR	101504527	ethylene-responsive transcription factor 4
SNP_495B_2673896	Ca_Kabuli_Chr01	NC_021160.1	2673896	GG	TT	TT	INTERGENIC		
SNP_496B_2674128	Ca_Kabuli_Chr01	NC_021160.1	2674128	AA	CC	CC	INTERGENIC		
SNP_497B_2674501	Ca_Kabuli_Chr01	NC_021160.1	2674501	TT	CC	CC	INTERGENIC		
SNP_499B_2674754	Ca_Kabuli_Chr01	NC_021160.1	2674754	TT	AA	AA	INTERGENIC		
SNP_500B_2679064	Ca_Kabuli_Chr01	NC_021160.1	2679064	CC	TT	TT	INTERGENIC		
SNP_501B_2684830	Ca_Kabuli_Chr01	NC_021160.1	2684830	TT	CC	CC	INTERGENIC		
SNP_502B_2684836	Ca_Kabuli_Chr01	NC_021160.1	2684836	AA	TT	TT	INTERGENIC		
SNP_503B_2684843	Ca_Kabuli_Chr01	NC_021160.1	2684843	CC	GG	GG	INTERGENIC		
SNP_504B_2688639	Ca_Kabuli_Chr01	NC_021160.1	2688639	GG	AA	AA	INTERGENIC		
SNP_505B_2692373	Ca_Kabuli_Chr01	NC_021160.1	2692373	TT	CC	CC	DRR	101511791	uncharacterized protein At3g17950-like
SNP_506B_2692408	Ca_Kabuli_Chr01	NC_021160.1	2692408	AA	GG	GG	DRR	101511791	uncharacterized protein At3g17950-like
SNP_507B_2692422	Ca_Kabuli_Chr01	NC_021160.1	2692422	TT	CC	CC	DRR	101511791	uncharacterized protein At3g17950-like
SNP_508B_2692718	Ca_Kabuli_Chr01	NC_021160.1	2692718	CC	AA	AA	DRR	101511791	uncharacterized protein At3g17950-like
SNP_509B_2692759	Ca_Kabuli_Chr01	NC_021160.1	2692759	GG	AA	AA	DRR	101511791	uncharacterized protein At3g17950-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_510B_2692775	Ca_Kabuli_Chr01	NC_021160.1	2692775	AA	TT	TT	DRR	101511791	uncharacterized protein At3g17950-like
SNP_512B_2704247	Ca_Kabuli_Chr01	NC_021160.1	2704247	AA	GG	GG	URR	101508259	protein E6
SNP_513B_2708464	Ca_Kabuli_Chr01	NC_021160.1	2708464	GG	AA	AA	URR	101508580	uncharacterized LOC101508580
SNP_514B_2712070	Ca_Kabuli_Chr01	NC_021160.1	2712070	AA	CC	CC	INTERGENIC		
SNP_515B_2712087	Ca_Kabuli_Chr01	NC_021160.1	2712087	GG	AA	AA	INTERGENIC		
SNP_516B_2712089	Ca_Kabuli_Chr01	NC_021160.1	2712089	AA	CC	CC	INTERGENIC		
SNP_518B_2726742	Ca_Kabuli_Chr01	NC_021160.1	2726742	TT	CC	CC	URR	101509211	glycogen phosphorylase 1-like
SNP_519B_2728152	Ca_Kabuli_Chr01	NC_021160.1	2728152	CC	TT	TT	DRR	101509537	dnaJ homolog subfamily B member 13-like
SNP_520B_2728154	Ca_Kabuli_Chr01	NC_021160.1	2728154	AA	CC	CC	DRR	101509537	dnaJ homolog subfamily B member 13-like
SNP_521B_2730812	Ca_Kabuli_Chr01	NC_021160.1	2730812	TT	AA	AA	INTERGENIC		
SNP_523B_2761252	Ca_Kabuli_Chr01	NC_021160.1	2761252	TT	GG	GG	INTERGENIC		
SNP_524B_2761371	Ca_Kabuli_Chr01	NC_021160.1	2761371	TT	AA	AA	INTERGENIC		
SNP_525B_2761693	Ca_Kabuli_Chr01	NC_021160.1	2761693	CC	TT	TT	INTERGENIC		
SNP_526B_2762093	Ca_Kabuli_Chr01	NC_021160.1	2762093	GG	CC	CC	INTERGENIC		
SNP_527B_2762111	Ca_Kabuli_Chr01	NC_021160.1	2762111	TT	CC	CC	INTERGENIC		
SNP_528B_2762112	Ca_Kabuli_Chr01	NC_021160.1	2762112	AA	TT	TT	INTERGENIC		
SNP_529B_2762167	Ca_Kabuli_Chr01	NC_021160.1	2762167	TT	CC	CC	INTERGENIC		
SNP_530B_2762581	Ca_Kabuli_Chr01	NC_021160.1	2762581	AA	GG	GG	INTERGENIC		
SNP_531B_2762586	Ca_Kabuli_Chr01	NC_021160.1	2762586	GG	TT	TT	INTERGENIC		
SNP_532B_2764672	Ca_Kabuli_Chr01	NC_021160.1	2764672	GG	TT	TT	INTERGENIC		
SNP_533B_2765595	Ca_Kabuli_Chr01	NC_021160.1	2765595	TT	CC	CC	INTERGENIC		
SNP_539B_2766718	Ca_Kabuli_Chr01	NC_021160.1	2766718	TT	AA	AA	INTERGENIC		
SNP_540B_2766738	Ca_Kabuli_Chr01	NC_021160.1	2766738	GG	AA	AA	INTERGENIC		
SNP_541B_2766974	Ca_Kabuli_Chr01	NC_021160.1	2766974	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_542B_2769065	Ca_Kabuli_Chr01	NC_021160.1	2769065	AA	GG	GG	INTERGENIC		
SNP_543B_2769134	Ca_Kabuli_Chr01	NC_021160.1	2769134	AA	GG	GG	INTERGENIC		
SNP_545B_2769374	Ca_Kabuli_Chr01	NC_021160.1	2769374	GG	AA	AA	INTERGENIC		
SNP_546B_2772709	Ca_Kabuli_Chr01	NC_021160.1	2772709	CC	GG	GG	INTERGENIC		
SNP_547B_2774646	Ca_Kabuli_Chr01	NC_021160.1	2774646	AA	GG	GG	INTERGENIC		
SNP_548B_2778169	Ca_Kabuli_Chr01	NC_021160.1	2778169	AA	GG	GG	INTERGENIC		
SNP_549B_2790504	Ca_Kabuli_Chr01	NC_021160.1	2790504	CC	TT	TT	URR	101512237	tRNA (adenine(58)-N(1))-methyltransferase catalytic subunit TRMT61A-like
SNP_550B_2795960	Ca_Kabuli_Chr01	NC_021160.1	2795960	CC	TT	TT	INTERGENIC		
SNP_552B_2797704	Ca_Kabuli_Chr01	NC_021160.1	2797704	TT	AA	AA	INTERGENIC		
SNP_554B_2802799	Ca_Kabuli_Chr01	NC_021160.1	2802799	AA	TT	TT	INTRON	101512871	NAC domain-containing protein 73-like
SNP_555B_2802834	Ca_Kabuli_Chr01	NC_021160.1	2802834	GG	AA	AA	INTRON	101512871	NAC domain-containing protein 73-like
SNP_556B_2802867	Ca_Kabuli_Chr01	NC_021160.1	2802867	AA	GG	GG	NON_SYNONYMOUS_CODING	101512871	NAC domain-containing protein 73-like
SNP_557B_2802901	Ca_Kabuli_Chr01	NC_021160.1	2802901	AA	GG	GG	NON_SYNONYMOUS_CODING	101512871	NAC domain-containing protein 73-like
SNP_558B_2802950	Ca_Kabuli_Chr01	NC_021160.1	2802950	AA	GG	GG	SYNONYMOUS_CODING	101512871	NAC domain-containing protein 73-like
SNP_559B_2802952	Ca_Kabuli_Chr01	NC_021160.1	2802952	CC	AA	AA	NON_SYNONYMOUS_CODING	101512871	NAC domain-containing protein 73-like
SNP_560B_2803016	Ca_Kabuli_Chr01	NC_021160.1	2803016	AA	GG	GG	NON_SYNONYMOUS_CODING	101512871	NAC domain-containing protein 73-like
SNP_561B_2803054	Ca_Kabuli_Chr01	NC_021160.1	2803054	CC	TT	TT	NON_SYNONYMOUS_CODING	101512871	NAC domain-containing protein 73-like
SNP_562B_2803069	Ca_Kabuli_Chr01	NC_021160.1	2803069	TT	CC	CC	NON_SYNONYMOUS_CODING	101512871	NAC domain-containing protein 73-like
SNP_563B_2803129	Ca_Kabuli_Chr01	NC_021160.1	2803129	CC	TT	TT	NON_SYNONYMOUS_CODING	101512871	NAC domain-containing protein 73-like
SNP_564B_2803154	Ca_Kabuli_Chr01	NC_021160.1	2803154	GG	AA	AA	SYNONYMOUS_STOP	101512871	NAC domain-containing protein 73-like
SNP_565B_2803181	Ca_Kabuli_Chr01	NC_021160.1	2803181	CC	TT	TT	SYNONYMOUS_CODING	101512871	NAC domain-containing protein 73-like
SNP_566B_2803183	Ca_Kabuli_Chr01	NC_021160.1	2803183	GG	AA	AA	NON_SYNONYMOUS_CODING	101512871	NAC domain-containing protein 73-like
SNP_567B_2803184	Ca_Kabuli_Chr01	NC_021160.1	2803184	CC	TT	TT	SYNONYMOUS_CODING	101512871	NAC domain-containing protein 73-like
SNP_568B_2803326	Ca_Kabuli_Chr01	NC_021160.1	2803326	AA	GG	GG	NON_SYNONYMOUS_CODING	101512871	NAC domain-containing protein 73-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_569B_2803391	Ca_Kabuli_Chr01	NC_021160.1	2803391	GG	AA	AA	SYNONYMOUS_CODING	101512871	NAC domain-containing protein 73-like
SNP_571B_2803410	Ca_Kabuli_Chr01	NC_021160.1	2803410	TT	AA	AA	NON_SYNONYMOUS_CODING	101512871	NAC domain-containing protein 73-like
SNP_572B_2803436	Ca_Kabuli_Chr01	NC_021160.1	2803436	CC	TT	TT	SYNONYMOUS_CODING	101512871	NAC domain-containing protein 73-like
SNP_573B_2803440	Ca_Kabuli_Chr01	NC_021160.1	2803440	AA	GG	GG	NON_SYNONYMOUS_CODING	101512871	NAC domain-containing protein 73-like
SNP_574B_2814429	Ca_Kabuli_Chr01	NC_021160.1	2814429	AA	GG	GG	INTERGENIC		
SNP_575B_2814901	Ca_Kabuli_Chr01	NC_021160.1	2814901	CC	AA	AA	INTERGENIC		
SNP_576B_2814918	Ca_Kabuli_Chr01	NC_021160.1	2814918	TT	CC	CC	INTERGENIC		
SNP_577B_2814972	Ca_Kabuli_Chr01	NC_021160.1	2814972	TT	CC	CC	INTERGENIC		
SNP_579B_2815008	Ca_Kabuli_Chr01	NC_021160.1	2815008	AA	TT	TT	INTERGENIC		
SNP_580B_2815010	Ca_Kabuli_Chr01	NC_021160.1	2815010	AA	CC	CC	INTERGENIC		
SNP_581B_2815135	Ca_Kabuli_Chr01	NC_021160.1	2815135	TT	CC	CC	INTERGENIC		
SNP_582B_2815211	Ca_Kabuli_Chr01	NC_021160.1	2815211	CC	GG	GG	INTERGENIC		
SNP_583B_2826745	Ca_Kabuli_Chr01	NC_021160.1	2826745	CC	TT	TT	INTERGENIC		
SNP_584B_2830932	Ca_Kabuli_Chr01	NC_021160.1	2830932	CC	TT	TT	INTERGENIC		
SNP_585B_2830942	Ca_Kabuli_Chr01	NC_021160.1	2830942	CC	TT	TT	INTERGENIC		
SNP_586B_2830960	Ca_Kabuli_Chr01	NC_021160.1	2830960	AA	TT	TT	INTERGENIC		
SNP_587B_2831002	Ca_Kabuli_Chr01	NC_021160.1	2831002	GG	CC	CC	INTERGENIC		
SNP_588B_2831200	Ca_Kabuli_Chr01	NC_021160.1	2831200	GG	AA	AA	INTERGENIC		
SNP_589B_2831436	Ca_Kabuli_Chr01	NC_021160.1	2831436	AA	GG	GG	INTERGENIC		
SNP_591B_2834171	Ca_Kabuli_Chr01	NC_021160.1	2834171	GG	AA	AA	INTRON	101513952	auxin response factor 3-like
SNP_592B_2834216	Ca_Kabuli_Chr01	NC_021160.1	2834216	TT	AA	AA	INTRON	101513952	auxin response factor 3-like
SNP_593B_2834456	Ca_Kabuli_Chr01	NC_021160.1	2834456	AA	TT	TT	INTRON	101513952	auxin response factor 3-like
SNP_594B_2838540	Ca_Kabuli_Chr01	NC_021160.1	2838540	AA	TT	TT	URR	101513952	auxin response factor 3-like
SNP_596B_2841105	Ca_Kabuli_Chr01	NC_021160.1	2841105	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_597B_2844831	Ca_Kabuli_Chr01	NC_021160.1	2844831	AA	TT	TT	INTERGENIC		
SNP_598B_2844960	Ca_Kabuli_Chr01	NC_021160.1	2844960	GG	AA	AA	INTERGENIC		
SNP_599B_2844963	Ca_Kabuli_Chr01	NC_021160.1	2844963	AA	GG	GG	INTERGENIC		
SNP_600B_2844978	Ca_Kabuli_Chr01	NC_021160.1	2844978	TT	AA	AA	INTERGENIC		
SNP_602B_2845126	Ca_Kabuli_Chr01	NC_021160.1	2845126	GG	AA	AA	INTERGENIC		
SNP_603B_2845148	Ca_Kabuli_Chr01	NC_021160.1	2845148	GG	AA	AA	INTERGENIC		
SNP_605B_2845192	Ca_Kabuli_Chr01	NC_021160.1	2845192	TT	CC	CC	INTERGENIC		
SNP_606B_2848032	Ca_Kabuli_Chr01	NC_021160.1	2848032	GG	AA	AA	INTERGENIC		
SNP_607B_2855927	Ca_Kabuli_Chr01	NC_021160.1	2855927	AA	TT	TT	URR	101514713	Unknown function
SNP_608B_2856079	Ca_Kabuli_Chr01	NC_021160.1	2856079	TT	GG	GG	URR	101514713	Unknown function
SNP_609B_2858621	Ca_Kabuli_Chr01	NC_021160.1	2858621	CC	TT	TT	NON_SYNONYMOUS_CODING	101512435	putative disease resistance RPP13-like protein 1
SNP_610B_2858679	Ca_Kabuli_Chr01	NC_021160.1	2858679	AA	GG	GG	SYNONYMOUS_CODING	101512435	putative disease resistance RPP13-like protein 1
SNP_611B_2858706	Ca_Kabuli_Chr01	NC_021160.1	2858706	TT	AA	AA	NON_SYNONYMOUS_CODING	101512435	putative disease resistance RPP13-like protein 1
SNP_612B_2867693	Ca_Kabuli_Chr01	NC_021160.1	2867693	AA	GG	GG	DRR	101515361	uncharacterized LOC101515361
SNP_613B_2867707	Ca_Kabuli_Chr01	NC_021160.1	2867707	AA	GG	GG	DRR	101515361	uncharacterized LOC101515361
SNP_614B_2867709	Ca_Kabuli_Chr01	NC_021160.1	2867709	TT	CC	CC	DRR	101515361	uncharacterized LOC101515361
SNP_615B_2867730	Ca_Kabuli_Chr01	NC_021160.1	2867730	AA	GG	GG	DRR	101515361	uncharacterized LOC101515361
SNP_616B_2867736	Ca_Kabuli_Chr01	NC_021160.1	2867736	CC	AA	AA	DRR	101515361	uncharacterized LOC101515361
SNP_618B_2868991	Ca_Kabuli_Chr01	NC_021160.1	2868991	GG	TT	TT	INTERGENIC		
SNP_619B_2872251	Ca_Kabuli_Chr01	NC_021160.1	2872251	TT	CC	CC	INTRON	101515361	uncharacterized LOC101515361
SNP_620B_2874401	Ca_Kabuli_Chr01	NC_021160.1	2874401	CC	TT	TT	URR	101515361	uncharacterized LOC101515361
SNP_621B_2874413	Ca_Kabuli_Chr01	NC_021160.1	2874413	GG	TT	TT	URR	101515361	uncharacterized LOC101515361
SNP_623B_2875048	Ca_Kabuli_Chr01	NC_021160.1	2875048	GG	AA	AA	DRR	101515694	anthocyanidin 3-O-glucoside 2''-O-glucosyltransferase
SNP_624B_2875087	Ca_Kabuli_Chr01	NC_021160.1	2875087	AA	TT	TT	DRR	101515694	anthocyanidin 3-O-glucoside 2''-O-glucosyltransferase

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_626B_2875922	Ca_Kabuli_Chr01	NC_021160.1	2875922	AA	GG	GG	URR	101515361	uncharacterized LOC101515361
SNP_627B_2875929	Ca_Kabuli_Chr01	NC_021160.1	2875929	CC	GG	GG	URR	101515361	uncharacterized LOC101515361
SNP_629B_2877483	Ca_Kabuli_Chr01	NC_021160.1	2877483	AA	CC	CC	DRR	101512754	putative disease resistance protein At3g14460
SNP_630B_2877501	Ca_Kabuli_Chr01	NC_021160.1	2877501	CC	TT	TT	DRR	101512754	putative disease resistance protein At3g14460
SNP_631B_2877502	Ca_Kabuli_Chr01	NC_021160.1	2877502	AA	GG	GG	DRR	101512754	putative disease resistance protein At3g14460
SNP_632B_2878534	Ca_Kabuli_Chr01	NC_021160.1	2878534	TT	CC	CC	URR	101515694	anthocyanidin 3-O-glucoside 2''-O-glucosyltransferase
SNP_633B_2883684	Ca_Kabuli_Chr01	NC_021160.1	2883684	GG	TT	TT	INTERGENIC		
SNP_635B_2884056	Ca_Kabuli_Chr01	NC_021160.1	2884056	AA	GG	GG	INTERGENIC		
SNP_636B_2884070	Ca_Kabuli_Chr01	NC_021160.1	2884070	GG	AA	AA	INTERGENIC		
SNP_637B_2884174	Ca_Kabuli_Chr01	NC_021160.1	2884174	TT	CC	CC	INTERGENIC		
SNP_638B_2884185	Ca_Kabuli_Chr01	NC_021160.1	2884185	CC	AA	AA	INTERGENIC		
SNP_639B_2884200	Ca_Kabuli_Chr01	NC_021160.1	2884200	CC	AA	AA	INTERGENIC		
SNP_641B_2884476	Ca_Kabuli_Chr01	NC_021160.1	2884476	CC	TT	TT	INTERGENIC		
SNP_642B_2884477	Ca_Kabuli_Chr01	NC_021160.1	2884477	AA	GG	GG	INTERGENIC		
SNP_643B_2884616	Ca_Kabuli_Chr01	NC_021160.1	2884616	AA	GG	GG	INTERGENIC		
SNP_644B_2884626	Ca_Kabuli_Chr01	NC_021160.1	2884626	AA	TT	TT	INTERGENIC		
SNP_645B_2884710	Ca_Kabuli_Chr01	NC_021160.1	2884710	GG	TT	TT	INTERGENIC		
SNP_646B_2884713	Ca_Kabuli_Chr01	NC_021160.1	2884713	GG	TT	TT	INTERGENIC		
SNP_647B_2884747	Ca_Kabuli_Chr01	NC_021160.1	2884747	AA	GG	GG	INTERGENIC		
SNP_648B_2884748	Ca_Kabuli_Chr01	NC_021160.1	2884748	CC	GG	GG	INTERGENIC		
SNP_649B_2884774	Ca_Kabuli_Chr01	NC_021160.1	2884774	AA	GG	GG	INTERGENIC		
SNP_650B_2884775	Ca_Kabuli_Chr01	NC_021160.1	2884775	TT	GG	GG	INTERGENIC		
SNP_651B_2884788	Ca_Kabuli_Chr01	NC_021160.1	2884788	TT	AA	AA	INTERGENIC		
SNP_653B_2884895	Ca_Kabuli_Chr01	NC_021160.1	2884895	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_654B_2884915	Ca_Kabuli_Chr01	NC_021160.1	2884915	AA	GG	GG	INTERGENIC		
SNP_655B_2884918	Ca_Kabuli_Chr01	NC_021160.1	2884918	GG	AA	AA	INTERGENIC		
SNP_656B_2884926	Ca_Kabuli_Chr01	NC_021160.1	2884926	TT	CC	CC	INTERGENIC		
SNP_657B_2885013	Ca_Kabuli_Chr01	NC_021160.1	2885013	GG	AA	AA	INTERGENIC		
SNP_658B_2885111	Ca_Kabuli_Chr01	NC_021160.1	2885111	AA	GG	GG	INTERGENIC		
SNP_659B_2885175	Ca_Kabuli_Chr01	NC_021160.1	2885175	TT	CC	CC	INTERGENIC		
SNP_660B_2885242	Ca_Kabuli_Chr01	NC_021160.1	2885242	AA	CC	CC	INTERGENIC		
SNP_661B_2885262	Ca_Kabuli_Chr01	NC_021160.1	2885262	TT	CC	CC	INTERGENIC		
SNP_662B_2885302	Ca_Kabuli_Chr01	NC_021160.1	2885302	GG	CC	CC	INTERGENIC		
SNP_663B_2885317	Ca_Kabuli_Chr01	NC_021160.1	2885317	TT	AA	AA	INTERGENIC		
SNP_664B_2885321	Ca_Kabuli_Chr01	NC_021160.1	2885321	AA	CC	CC	INTERGENIC		
SNP_665B_2885347	Ca_Kabuli_Chr01	NC_021160.1	2885347	GG	AA	AA	INTERGENIC		
SNP_667B_2885508	Ca_Kabuli_Chr01	NC_021160.1	2885508	TT	CC	CC	INTERGENIC		
SNP_668B_2885525	Ca_Kabuli_Chr01	NC_021160.1	2885525	TT	CC	CC	INTERGENIC		
SNP_669B_2885531	Ca_Kabuli_Chr01	NC_021160.1	2885531	CC	TT	TT	INTERGENIC		
SNP_670B_2885580	Ca_Kabuli_Chr01	NC_021160.1	2885580	AA	GG	GG	INTERGENIC		
SNP_671B_2886555	Ca_Kabuli_Chr01	NC_021160.1	2886555	TT	CC	CC	URR	101512754	putative disease resistance protein At3g14460
SNP_672B_2887020	Ca_Kabuli_Chr01	NC_021160.1	2887020	TT	CC	CC	DRR	101488453	uncharacterized LOC101488453
SNP_673B_2887036	Ca_Kabuli_Chr01	NC_021160.1	2887036	TT	CC	CC	DRR	101488453	uncharacterized LOC101488453
SNP_674B_2887372	Ca_Kabuli_Chr01	NC_021160.1	2887372	CC	TT	TT	DRR	101488453	uncharacterized LOC101488453
SNP_675B_2890064	Ca_Kabuli_Chr01	NC_021160.1	2890064	AA	GG	GG	URR	101488453	uncharacterized LOC101488453
SNP_676B_2890067	Ca_Kabuli_Chr01	NC_021160.1	2890067	GG	AA	AA	URR	101488453	uncharacterized LOC101488453
SNP_677B_2890093	Ca_Kabuli_Chr01	NC_021160.1	2890093	AA	TT	TT	URR	101488453	uncharacterized LOC101488453
SNP_678B_2896647	Ca_Kabuli_Chr01	NC_021160.1	2896647	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_680B_2899928	Ca_Kabuli_Chr01	NC_021160.1	2899928	CC	AA	AA	INTRON	101489119	probable leucine-rich repeat receptor-like protein kinase At5g49770
SNP_682B_2901730	Ca_Kabuli_Chr01	NC_021160.1	2901730	AA	GG	GG	INTRON	101489119	probable leucine-rich repeat receptor-like protein kinase At5g49770
SNP_683B_2903058	Ca_Kabuli_Chr01	NC_021160.1	2903058	TT	AA	AA	INTERGENIC		
SNP_684B_2903059	Ca_Kabuli_Chr01	NC_021160.1	2903059	CC	AA	AA	INTERGENIC		
SNP_685B_2903095	Ca_Kabuli_Chr01	NC_021160.1	2903095	GG	TT	TT	INTERGENIC		
SNP_686B_2906045	Ca_Kabuli_Chr01	NC_021160.1	2906045	GG	CC	CC	URR	101489119	probable leucine-rich repeat receptor-like protein kinase At5g49770
SNP_689B_2920251	Ca_Kabuli_Chr01	NC_021160.1	2920251	CC	TT	TT	URR	101490093	WUSCHEL-related homeobox 9-like
SNP_690B_2921694	Ca_Kabuli_Chr01	NC_021160.1	2921694	AA	TT	TT	INTERGENIC		
SNP_695B_2923287	Ca_Kabuli_Chr01	NC_021160.1	2923287	TT	AA	AA	INTERGENIC		
SNP_696B_2923853	Ca_Kabuli_Chr01	NC_021160.1	2923853	CC	GG	GG	INTERGENIC		
SNP_699B_2924034	Ca_Kabuli_Chr01	NC_021160.1	2924034	CC	AA	AA	INTERGENIC		
SNP_700B_2926978	Ca_Kabuli_Chr01	NC_021160.1	2926978	GG	TT	TT	INTERGENIC		
SNP_701B_2927445	Ca_Kabuli_Chr01	NC_021160.1	2927445	CC	TT	TT	INTERGENIC		
SNP_702B_2927769	Ca_Kabuli_Chr01	NC_021160.1	2927769	AA	TT	TT	INTERGENIC		
SNP_703B_2927770	Ca_Kabuli_Chr01	NC_021160.1	2927770	AA	TT	TT	INTERGENIC		
SNP_704B_2932738	Ca_Kabuli_Chr01	NC_021160.1	2932738	GG	TT	TT	DRR	101490634	1-(5-phosphoribosyl)-5-[(5-phosphoribosylamino)methylideneamino] imidazole-4-carboxamide isomerase, chloroplastic
SNP_705B_2940888	Ca_Kabuli_Chr01	NC_021160.1	2940888	GG	TT	TT	INTERGENIC		
SNP_707B_2941019	Ca_Kabuli_Chr01	NC_021160.1	2941019	TT	CC	CC	INTERGENIC		
SNP_708B_2945278	Ca_Kabuli_Chr01	NC_021160.1	2945278	CC	TT	TT	INTERGENIC		
SNP_709B_2949853	Ca_Kabuli_Chr01	NC_021160.1	2949853	TT	GG	GG	URR	101490960	pathogenesis-related genes transcriptional activator PTI5-like
SNP_710B_2954747	Ca_Kabuli_Chr01	NC_021160.1	2954747	GG	AA	AA	URR	101491273	ethylene-responsive transcription factor 1B
SNP_711B_2955841	Ca_Kabuli_Chr01	NC_021160.1	2955841	CC	GG	GG	INTERGENIC		
SNP_713B_2957785	Ca_Kabuli_Chr01	NC_021160.1	2957785	AA	GG	GG	INTERGENIC		
SNP_714B_2958512	Ca_Kabuli_Chr01	NC_021160.1	2958512	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_716B_2975976	Ca_Kabuli_Chr01	NC_021160.1	2975976	GG	AA	AA	INTRON	101491595	GDSL esterase/lipase At5g45960-like
SNP_717B_2991103	Ca_Kabuli_Chr01	NC_021160.1	2991103	AA	GG	GG	SYNONYMOUS_CODING	101491907	glutamate receptor 2.7-like
SNP_718B_3000217	Ca_Kabuli_Chr01	NC_021160.1	3000217	CC	TT	TT	INTRON	DHX35	Unknown function
SNP_719B_3004344	Ca_Kabuli_Chr01	NC_021160.1	3004344	AA	GG	GG	DRR	101493117	pentatricopeptide repeat-containing protein At4g13650
SNP_720B_3017086	Ca_Kabuli_Chr01	NC_021160.1	3017086	TT	CC	CC	INTERGENIC		
SNP_723B_3020410	Ca_Kabuli_Chr01	NC_021160.1	3020410	CC	TT	TT	INTERGENIC		
SNP_724B_3020486	Ca_Kabuli_Chr01	NC_021160.1	3020486	AA	GG	GG	INTERGENIC		
SNP_725B_3021078	Ca_Kabuli_Chr01	NC_021160.1	3021078	AA	TT	TT	INTERGENIC		
SNP_726B_3021123	Ca_Kabuli_Chr01	NC_021160.1	3021123	AA	TT	TT	INTERGENIC		
SNP_727B_3025874	Ca_Kabuli_Chr01	NC_021160.1	3025874	GG	AA	AA	URR	101410557	transfer RNA isoleucine (anticodon UAU)
SNP_728B_3027918	Ca_Kabuli_Chr01	NC_021160.1	3027918	CC	AA	AA	INTERGENIC		
SNP_730B_3032816	Ca_Kabuli_Chr01	NC_021160.1	3032816	AA	TT	TT	DRR	101494512	magnesium-chelatase subunit ChlI, chloroplastic-like
SNP_731B_3033272	Ca_Kabuli_Chr01	NC_021160.1	3033272	TT	CC	CC	DRR	101494512	magnesium-chelatase subunit ChlI, chloroplastic-like
SNP_732B_3033452	Ca_Kabuli_Chr01	NC_021160.1	3033452	TT	CC	CC	DRR	101494512	magnesium-chelatase subunit ChlI, chloroplastic-like
SNP_733B_3033459	Ca_Kabuli_Chr01	NC_021160.1	3033459	TT	GG	GG	DRR	101494512	magnesium-chelatase subunit ChlI, chloroplastic-like
SNP_734B_3033788	Ca_Kabuli_Chr01	NC_021160.1	3033788	GG	AA	AA	URR	101494205	nudix hydrolase 15, mitochondrial
SNP_735B_3035096	Ca_Kabuli_Chr01	NC_021160.1	3035096	CC	TT	TT	URR	101494205	nudix hydrolase 15, mitochondrial
SNP_737B_3039962	Ca_Kabuli_Chr01	NC_021160.1	3039962	CC	AA	AA	URR	101494826	3'-N-debenzoyl-2'-deoxytaxol N-benzoyltransferase
SNP_738B_3047634	Ca_Kabuli_Chr01	NC_021160.1	3047634	GG	AA	AA	INTRON	101495155	GDSL esterase/lipase At5g45920
SNP_739B_3049728	Ca_Kabuli_Chr01	NC_021160.1	3049728	AA	TT	TT	INTRON	101495155	GDSL esterase/lipase At5g45920
SNP_740B_3053286	Ca_Kabuli_Chr01	NC_021160.1	3053286	TT	CC	CC	INTRON	101495479	THO complex subunit 7A-like
SNP_741B_3053287	Ca_Kabuli_Chr01	NC_021160.1	3053287	TT	CC	CC	INTRON	101495479	THO complex subunit 7A-like
SNP_742B_3053293	Ca_Kabuli_Chr01	NC_021160.1	3053293	AA	CC	CC	INTRON	101495479	THO complex subunit 7A-like
SNP_743B_3061695	Ca_Kabuli_Chr01	NC_021160.1	3061695	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_744B_3061717	Ca_Kabuli_Chr01	NC_021160.1	3061717	TT	CC	CC	INTERGENIC		
SNP_745B_3062252	Ca_Kabuli_Chr01	NC_021160.1	3062252	CC	TT	TT	INTERGENIC		
SNP_746B_3069575	Ca_Kabuli_Chr01	NC_021160.1	3069575	CC	AA	AA	INTRON	101496685	pyruvate decarboxylase 1
SNP_747B_3071007	Ca_Kabuli_Chr01	NC_021160.1	3071007	GG	TT	TT	URR	101496685	pyruvate decarboxylase 1
SNP_748B_3071158	Ca_Kabuli_Chr01	NC_021160.1	3071158	GG	AA	AA	URR	101496685	pyruvate decarboxylase 1
SNP_749B_3074526	Ca_Kabuli_Chr01	NC_021160.1	3074526	TT	CC	CC	INTERGENIC		
SNP_750B_3074596	Ca_Kabuli_Chr01	NC_021160.1	3074596	GG	AA	AA	INTERGENIC		
SNP_752B_3074863	Ca_Kabuli_Chr01	NC_021160.1	3074863	AA	TT	TT	INTERGENIC		
SNP_753B_3074897	Ca_Kabuli_Chr01	NC_021160.1	3074897	GG	CC	CC	INTERGENIC		
SNP_754B_3074967	Ca_Kabuli_Chr01	NC_021160.1	3074967	AA	GG	GG	INTERGENIC		
SNP_756B_3075053	Ca_Kabuli_Chr01	NC_021160.1	3075053	TT	AA	AA	INTERGENIC		
SNP_757B_3075363	Ca_Kabuli_Chr01	NC_021160.1	3075363	GG	AA	AA	INTERGENIC		
SNP_758B_3079234	Ca_Kabuli_Chr01	NC_021160.1	3079234	TT	CC	CC	URR	101496997	GDSL esterase/lipase At1g28610-like
SNP_759B_3079281	Ca_Kabuli_Chr01	NC_021160.1	3079281	TT	CC	CC	DRR	101497322	GDSL esterase/lipase At2g27360-like
SNP_760B_3079286	Ca_Kabuli_Chr01	NC_021160.1	3079286	TT	CC	CC	DRR	101497322	GDSL esterase/lipase At2g27360-like
SNP_761B_3079294	Ca_Kabuli_Chr01	NC_021160.1	3079294	AA	GG	GG	DRR	101497322	GDSL esterase/lipase At2g27360-like
SNP_762B_3079297	Ca_Kabuli_Chr01	NC_021160.1	3079297	TT	CC	CC	DRR	101497322	GDSL esterase/lipase At2g27360-like
SNP_763B_3079319	Ca_Kabuli_Chr01	NC_021160.1	3079319	CC	TT	TT	DRR	101497322	GDSL esterase/lipase At2g27360-like
SNP_764B_3079415	Ca_Kabuli_Chr01	NC_021160.1	3079415	AA	GG	GG	DRR	101497322	GDSL esterase/lipase At2g27360-like
SNP_765B_3079566	Ca_Kabuli_Chr01	NC_021160.1	3079566	TT	CC	CC	DRR	101497322	GDSL esterase/lipase At2g27360-like
SNP_766B_3079576	Ca_Kabuli_Chr01	NC_021160.1	3079576	TT	CC	CC	DRR	101497322	GDSL esterase/lipase At2g27360-like
SNP_768B_3088749	Ca_Kabuli_Chr01	NC_021160.1	3088749	TT	GG	GG	INTERGENIC		
SNP_771B_3091567	Ca_Kabuli_Chr01	NC_021160.1	3091567	TT	CC	CC	INTERGENIC		
SNP_772B_3099385	Ca_Kabuli_Chr01	NC_021160.1	3099385	TT	CC	CC	DRR	101498646	GDSL esterase/lipase At5g45910-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_773B_3101925	Ca_Kabuli_Chr01	NC_021160.1	3101925	CC	TT	TT	INTERGENIC		
SNP_774B_3109145	Ca_Kabuli_Chr01	NC_021160.1	3109145	CC	GG	GG	INTERGENIC		
SNP_775B_3112244	Ca_Kabuli_Chr01	NC_021160.1	3112244	TT	CC	CC	INTERGENIC		
SNP_776B_3112624	Ca_Kabuli_Chr01	NC_021160.1	3112624	TT	CC	CC	INTERGENIC		
SNP_777B_3114303	Ca_Kabuli_Chr01	NC_021160.1	3114303	TT	CC	CC	DRR	101513723	galactose oxidase-like
SNP_778B_3118009	Ca_Kabuli_Chr01	NC_021160.1	3118009	CC	GG	GG	URR	101513723	galactose oxidase-like
SNP_779B_3123997	Ca_Kabuli_Chr01	NC_021160.1	3123997	CC	GG	GG	INTRON	101498973	protein trichome birefringence-like 38
SNP_780B_3124020	Ca_Kabuli_Chr01	NC_021160.1	3124020	GG	CC	CC	INTRON	101498973	protein trichome birefringence-like 38
SNP_781B_3124284	Ca_Kabuli_Chr01	NC_021160.1	3124284	TT	CC	CC	INTRON	101498973	protein trichome birefringence-like 38
SNP_782B_3125080	Ca_Kabuli_Chr01	NC_021160.1	3125080	TT	CC	CC	INTRON	101498973	protein trichome birefringence-like 38
SNP_783B_3125715	Ca_Kabuli_Chr01	NC_021160.1	3125715	AA	TT	TT	INTRON	101498973	protein trichome birefringence-like 38
SNP_784B_3125890	Ca_Kabuli_Chr01	NC_021160.1	3125890	GG	AA	AA	INTRON	101498973	protein trichome birefringence-like 38
SNP_787B_3126940	Ca_Kabuli_Chr01	NC_021160.1	3126940	TT	AA	AA	URR	101498973	protein trichome birefringence-like 38
SNP_788B_3127002	Ca_Kabuli_Chr01	NC_021160.1	3127002	GG	TT	TT	URR	101498973	protein trichome birefringence-like 38
SNP_789B_3130373	Ca_Kabuli_Chr01	NC_021160.1	3130373	TT	CC	CC	INTERGENIC		
SNP_790B_3130382	Ca_Kabuli_Chr01	NC_021160.1	3130382	CC	TT	TT	INTERGENIC		
SNP_792B_3130386	Ca_Kabuli_Chr01	NC_021160.1	3130386	TT	CC	CC	INTERGENIC		
SNP_793B_3130753	Ca_Kabuli_Chr01	NC_021160.1	3130753	CC	TT	TT	INTERGENIC		
SNP_794B_3130769	Ca_Kabuli_Chr01	NC_021160.1	3130769	TT	AA	AA	INTERGENIC		
SNP_795B_3130785	Ca_Kabuli_Chr01	NC_021160.1	3130785	CC	AA	AA	INTERGENIC		
SNP_796B_3130786	Ca_Kabuli_Chr01	NC_021160.1	3130786	GG	AA	AA	INTERGENIC		
SNP_797B_3130801	Ca_Kabuli_Chr01	NC_021160.1	3130801	GG	AA	AA	INTERGENIC		
SNP_798B_3131068	Ca_Kabuli_Chr01	NC_021160.1	3131068	CC	TT	TT	INTERGENIC		
SNP_799B_3132376	Ca_Kabuli_Chr01	NC_021160.1	3132376	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_800B_3132377	Ca_Kabuli_Chr01	NC_021160.1	3132377	AA	GG	GG	INTERGENIC		
SNP_801B_3132386	Ca_Kabuli_Chr01	NC_021160.1	3132386	AA	CC	CC	INTERGENIC		
SNP_802B_3132395	Ca_Kabuli_Chr01	NC_021160.1	3132395	CC	TT	TT	INTERGENIC		
SNP_803B_3132425	Ca_Kabuli_Chr01	NC_021160.1	3132425	AA	GG	GG	INTERGENIC		
SNP_804B_3133394	Ca_Kabuli_Chr01	NC_021160.1	3133394	GG	TT	TT	DRR	101410577	transfer RNA alanine (anticodon UGC)
SNP_806B_3133763	Ca_Kabuli_Chr01	NC_021160.1	3133763	AA	GG	GG	DRR	101410577	transfer RNA alanine (anticodon UGC)
SNP_807B_3134455	Ca_Kabuli_Chr01	NC_021160.1	3134455	AA	CC	CC	URR	101410577	transfer RNA alanine (anticodon UGC)
SNP_808B_3136285	Ca_Kabuli_Chr01	NC_021160.1	3136285	CC	TT	TT	URR	101499293	50S ribosomal protein L34, chloroplastic
SNP_810B_3138483	Ca_Kabuli_Chr01	NC_021160.1	3138483	AA	GG	GG	INTERGENIC		
SNP_811B_3138515	Ca_Kabuli_Chr01	NC_021160.1	3138515	AA	TT	TT	INTERGENIC		
SNP_812B_3138522	Ca_Kabuli_Chr01	NC_021160.1	3138522	AA	TT	TT	INTERGENIC		
SNP_814B_3153130	Ca_Kabuli_Chr01	NC_021160.1	3153130	AA	GG	GG	INTRON	101500253	U-box domain-containing protein 7
SNP_815B_3153144	Ca_Kabuli_Chr01	NC_021160.1	3153144	CC	TT	TT	INTRON	101500253	U-box domain-containing protein 7
SNP_816B_3155230	Ca_Kabuli_Chr01	NC_021160.1	3155230	AA	TT	TT	URR	101500253	U-box domain-containing protein 7
SNP_817B_3155451	Ca_Kabuli_Chr01	NC_021160.1	3155451	AA	TT	TT	URR	101500253	U-box domain-containing protein 7
SNP_818B_3155752	Ca_Kabuli_Chr01	NC_021160.1	3155752	AA	GG	GG	URR	101500253	U-box domain-containing protein 7
SNP_819B_3191585	Ca_Kabuli_Chr01	NC_021160.1	3191585	GG	AA	AA	INTRON	101501305	14-3-3-like protein C
SNP_820B_3262562	Ca_Kabuli_Chr01	NC_021160.1	3262562	AA	TT	TT	INTERGENIC		
SNP_821B_3274530	Ca_Kabuli_Chr01	NC_021160.1	3274530	AA	TT	TT	INTERGENIC		
SNP_823B_3289615	Ca_Kabuli_Chr01	NC_021160.1	3289615	AA	TT	TT	INTERGENIC		
SNP_824B_3289718	Ca_Kabuli_Chr01	NC_021160.1	3289718	TT	GG	GG	INTERGENIC		
SNP_825B_3289719	Ca_Kabuli_Chr01	NC_021160.1	3289719	AA	TT	TT	INTERGENIC		
SNP_826B_3314071	Ca_Kabuli_Chr01	NC_021160.1	3314071	GG	TT	TT	DRR	101506657	CBL-interacting serine/threonine-protein kinase 12-like
SNP_827B_3324490	Ca_Kabuli_Chr01	NC_021160.1	3324490	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_828B_3341148	Ca_Kabuli_Chr01	NC_021160.1	3341148	AA	GG	GG	URR	101507319	probable LRR receptor-like serine/threonine-protein kinase At2g24230
SNP_829B_3415176	Ca_Kabuli_Chr01	NC_021160.1	3415176	CC	AA	AA	INTERGENIC		
SNP_830B_3417467	Ca_Kabuli_Chr01	NC_021160.1	3417467	AA	GG	GG	INTERGENIC		
SNP_831B_3456582	Ca_Kabuli_Chr01	NC_021160.1	3456582	TT	CC	CC	URR	101513300	probable WRKY transcription factor 65
SNP_832B_3456589	Ca_Kabuli_Chr01	NC_021160.1	3456589	TT	CC	CC	URR	101513300	probable WRKY transcription factor 65
SNP_833B_3456621	Ca_Kabuli_Chr01	NC_021160.1	3456621	AA	GG	GG	URR	101513300	probable WRKY transcription factor 65
SNP_834B_3456839	Ca_Kabuli_Chr01	NC_021160.1	3456839	GG	TT	TT	URR	101513300	probable WRKY transcription factor 65
SNP_835B_3518631	Ca_Kabuli_Chr01	NC_021160.1	3518631	TT	CC	CC	URR	101515364	transcription repressor OFP5-like
SNP_836B_3629038	Ca_Kabuli_Chr01	NC_021160.1	3629038	AA	GG	GG	INTERGENIC		
SNP_837B_3678428	Ca_Kabuli_Chr01	NC_021160.1	3678428	AA	TT	TT	DRR	101490095	GDSL esterase/lipase At1g29670-like
SNP_838B_3678430	Ca_Kabuli_Chr01	NC_021160.1	3678430	TT	AA	AA	DRR	101490095	GDSL esterase/lipase At1g29670-like
SNP_839B_3722777	Ca_Kabuli_Chr01	NC_021160.1	3722777	AA	GG	GG	INTERGENIC		
SNP_840B_3758069	Ca_Kabuli_Chr01	NC_021160.1	3758069	CC	TT	TT	INTERGENIC		
SNP_841B_3758370	Ca_Kabuli_Chr01	NC_021160.1	3758370	GG	TT	TT	INTERGENIC		
SNP_843B_3769569	Ca_Kabuli_Chr01	NC_021160.1	3769569	GG	AA	AA	INTERGENIC		
SNP_844B_3783527	Ca_Kabuli_Chr01	NC_021160.1	3783527	TT	AA	AA	INTERGENIC		
SNP_845B_3783528	Ca_Kabuli_Chr01	NC_021160.1	3783528	TT	AA	AA	INTERGENIC		
SNP_847B_3783646	Ca_Kabuli_Chr01	NC_021160.1	3783646	GG	TT	TT	INTERGENIC		
SNP_848B_3809258	Ca_Kabuli_Chr01	NC_021160.1	3809258	TT	CC	CC	INTRON	101499513	ABC transporter B family member 9-like
SNP_849B_3848296	Ca_Kabuli_Chr01	NC_021160.1	3848296	AA	GG	GG	URR	101501093	60S ribosomal protein L38-like
SNP_850B_3856206	Ca_Kabuli_Chr01	NC_021160.1	3856206	TT	CC	CC	INTRON	101501408	auxin response factor 6
SNP_852B_3958762	Ca_Kabuli_Chr01	NC_021160.1	3958762	CC	TT	TT	INTERGENIC		
SNP_853B_4053445	Ca_Kabuli_Chr01	NC_021160.1	4053445	CC	TT	TT	INTERGENIC		
SNP_854B_4142618	Ca_Kabuli_Chr01	NC_021160.1	4142618	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_855B_4153720	Ca_Kabuli_Chr01	NC_021160.1	4153720	GG	AA	AA	INTERGENIC		
SNP_856B_4159378	Ca_Kabuli_Chr01	NC_021160.1	4159378	TT	GG	GG	INTERGENIC		
SNP_858B_4173998	Ca_Kabuli_Chr01	NC_021160.1	4173998	AA	CC	CC	INTERGENIC		
SNP_859B_4176358	Ca_Kabuli_Chr01	NC_021160.1	4176358	TT	CC	CC	INTRON	101513955	DNA-directed RNA polymerase I subunit RPA135
SNP_860B_4229411	Ca_Kabuli_Chr01	NC_021160.1	4229411	GG	AA	AA	INTRON	101488455	uncharacterized LOC101488455
SNP_861B_4230132	Ca_Kabuli_Chr01	NC_021160.1	4230132	GG	TT	TT	INTRON	101488455	uncharacterized LOC101488455
SNP_862B_4240236	Ca_Kabuli_Chr01	NC_021160.1	4240236	GG	AA	AA	INTERGENIC		
SNP_863B_4240259	Ca_Kabuli_Chr01	NC_021160.1	4240259	TT	CC	CC	INTERGENIC		
SNP_864B_4240299	Ca_Kabuli_Chr01	NC_021160.1	4240299	TT	CC	CC	INTERGENIC		
SNP_865B_4240691	Ca_Kabuli_Chr01	NC_021160.1	4240691	CC	GG	GG	INTERGENIC		
SNP_866B_4240695	Ca_Kabuli_Chr01	NC_021160.1	4240695	CC	TT	TT	INTERGENIC		
SNP_867B_4240796	Ca_Kabuli_Chr01	NC_021160.1	4240796	TT	CC	CC	INTERGENIC		
SNP_868B_4240797	Ca_Kabuli_Chr01	NC_021160.1	4240797	CC	TT	TT	INTERGENIC		
SNP_869B_4240800	Ca_Kabuli_Chr01	NC_021160.1	4240800	GG	AA	AA	INTERGENIC		
SNP_870B_4240850	Ca_Kabuli_Chr01	NC_021160.1	4240850	CC	GG	GG	INTERGENIC		
SNP_871B_4240859	Ca_Kabuli_Chr01	NC_021160.1	4240859	GG	AA	AA	INTERGENIC		
SNP_872B_4240891	Ca_Kabuli_Chr01	NC_021160.1	4240891	TT	CC	CC	INTERGENIC		
SNP_873B_4241099	Ca_Kabuli_Chr01	NC_021160.1	4241099	AA	GG	GG	INTERGENIC		
SNP_874B_4241155	Ca_Kabuli_Chr01	NC_021160.1	4241155	GG	TT	TT	INTERGENIC		
SNP_875B_4253345	Ca_Kabuli_Chr01	NC_021160.1	4253345	GG	AA	AA	URR	101488792	la-related protein 6A
SNP_876B_4261651	Ca_Kabuli_Chr01	NC_021160.1	4261651	CC	TT	TT	INTERGENIC		
SNP_877B_4280322	Ca_Kabuli_Chr01	NC_021160.1	4280322	CC	TT	TT	INTERGENIC		
SNP_878B_4287878	Ca_Kabuli_Chr01	NC_021160.1	4287878	CC	GG	GG	INTERGENIC		
SNP_879B_4387548	Ca_Kabuli_Chr01	NC_021160.1	4387548	TT	GG	GG	DRR	101494614	lipase-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_880B_4435104	Ca_Kabuli_Chr01	NC_021160.1	4435104	GG	AA	AA	INTERGENIC		
SNP_881B_4435290	Ca_Kabuli_Chr01	NC_021160.1	4435290	TT	CC	CC	INTERGENIC		
SNP_882B_4435322	Ca_Kabuli_Chr01	NC_021160.1	4435322	AA	GG	GG	INTERGENIC		
SNP_883B_4448068	Ca_Kabuli_Chr01	NC_021160.1	4448068	CC	AA	AA	INTERGENIC		
SNP_884B_4649591	Ca_Kabuli_Chr01	NC_021160.1	4649591	AA	GG	GG	INTRON	101496242	probable 1-deoxy-D-xylulose-5-phosphate synthase, chloroplastic
SNP_885B_4680078	Ca_Kabuli_Chr01	NC_021160.1	4680078	TT	CC	CC	INTERGENIC		
SNP_886B_4691092	Ca_Kabuli_Chr01	NC_021160.1	4691092	AA	GG	GG	INTRON	101496568	uncharacterized LOC101496568
SNP_887B_4694098	Ca_Kabuli_Chr01	NC_021160.1	4694098	CC	TT	TT	INTRON	101496568	uncharacterized LOC101496568
SNP_888B_4713019	Ca_Kabuli_Chr01	NC_021160.1	4713019	AA	GG	GG	URR	101504295	histidine-containing phosphotransfer protein 1
SNP_889B_4713028	Ca_Kabuli_Chr01	NC_021160.1	4713028	CC	TT	TT	URR	101504295	histidine-containing phosphotransfer protein 1
SNP_890B_4713347	Ca_Kabuli_Chr01	NC_021160.1	4713347	GG	AA	AA	URR	101504295	histidine-containing phosphotransfer protein 1
SNP_891B_4713995	Ca_Kabuli_Chr01	NC_021160.1	4713995	GG	AA	AA	URR	101504295	histidine-containing phosphotransfer protein 1
SNP_895B_4741659	Ca_Kabuli_Chr01	NC_021160.1	4741659	AA	TT	TT	INTERGENIC		
SNP_896B_4741695	Ca_Kabuli_Chr01	NC_021160.1	4741695	AA	TT	TT	INTERGENIC		
SNP_897B_4742079	Ca_Kabuli_Chr01	NC_021160.1	4742079	AA	GG	GG	INTERGENIC		
SNP_898B_4742080	Ca_Kabuli_Chr01	NC_021160.1	4742080	GG	TT	TT	INTERGENIC		
SNP_900B_4784330	Ca_Kabuli_Chr01	NC_021160.1	4784330	CC	TT	TT	URR	101506451	putative E3 ubiquitin-protein ligase RF298
SNP_901B_4896756	Ca_Kabuli_Chr01	NC_021160.1	4896756	TT	CC	CC	INTERGENIC		
SNP_902B_4899805	Ca_Kabuli_Chr01	NC_021160.1	4899805	CC	TT	TT	INTERGENIC		
SNP_904B_4900256	Ca_Kabuli_Chr01	NC_021160.1	4900256	AA	TT	TT	INTERGENIC		
SNP_905B_4900659	Ca_Kabuli_Chr01	NC_021160.1	4900659	AA	GG	GG	DRR	101497883	putative disease resistance RPP13-like protein 1
SNP_906B_4900697	Ca_Kabuli_Chr01	NC_021160.1	4900697	CC	TT	TT	DRR	101497883	putative disease resistance RPP13-like protein 1
SNP_907B_4900727	Ca_Kabuli_Chr01	NC_021160.1	4900727	CC	TT	TT	DRR	101497883	putative disease resistance RPP13-like protein 1
SNP_908B_4906531	Ca_Kabuli_Chr01	NC_021160.1	4906531	AA	GG	GG	INTRON	101498201	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_909B_4906532	Ca_Kabuli_Chr01	NC_021160.1	4906532	GG	CC	CC	INTRON	101498201	Unknown function
SNP_910B_4906626	Ca_Kabuli_Chr01	NC_021160.1	4906626	AA	TT	TT	URR	101498201	Unknown function
SNP_911B_4907987	Ca_Kabuli_Chr01	NC_021160.1	4907987	TT	CC	CC	URR	101498201	Unknown function
SNP_912B_4916548	Ca_Kabuli_Chr01	NC_021160.1	4916548	AA	GG	GG	URR	101511907	F-box/kelch-repeat protein At3g23880-like
SNP_913B_4933962	Ca_Kabuli_Chr01	NC_021160.1	4933962	AA	CC	CC	INTERGENIC		
SNP_914B_4933963	Ca_Kabuli_Chr01	NC_021160.1	4933963	CC	GG	GG	INTERGENIC		
SNP_915B_4934187	Ca_Kabuli_Chr01	NC_021160.1	4934187	AA	GG	GG	INTERGENIC		
SNP_916B_4934210	Ca_Kabuli_Chr01	NC_021160.1	4934210	TT	GG	GG	INTERGENIC		
SNP_917B_5016659	Ca_Kabuli_Chr01	NC_021160.1	5016659	CC	TT	TT	INTERGENIC		
SNP_918B_5024400	Ca_Kabuli_Chr01	NC_021160.1	5024400	TT	CC	CC	INTERGENIC		
SNP_919B_5040476	Ca_Kabuli_Chr01	NC_021160.1	5040476	TT	CC	CC	INTRON	101498871	uncharacterized protein At5g19025-like
SNP_920B_5040908	Ca_Kabuli_Chr01	NC_021160.1	5040908	CC	TT	TT	INTRON	101498871	uncharacterized protein At5g19025-like
SNP_921B_5040942	Ca_Kabuli_Chr01	NC_021160.1	5040942	CC	TT	TT	INTRON	101498871	uncharacterized protein At5g19025-like
SNP_924B_5254662	Ca_Kabuli_Chr01	NC_021160.1	5254662	TT	CC	CC	URR	101499814	Unknown function
SNP_925B_5255007	Ca_Kabuli_Chr01	NC_021160.1	5255007	CC	TT	TT	INTERGENIC		
SNP_926B_5255049	Ca_Kabuli_Chr01	NC_021160.1	5255049	TT	CC	CC	INTERGENIC		
SNP_927B_5255065	Ca_Kabuli_Chr01	NC_021160.1	5255065	GG	AA	AA	INTERGENIC		
SNP_928B_5255066	Ca_Kabuli_Chr01	NC_021160.1	5255066	AA	GG	GG	INTERGENIC		
SNP_929B_5273285	Ca_Kabuli_Chr01	NC_021160.1	5273285	TT	AA	AA	INTERGENIC		
SNP_932B_5312691	Ca_Kabuli_Chr01	NC_021160.1	5312691	GG	AA	AA	INTERGENIC		
SNP_933B_5349271	Ca_Kabuli_Chr01	NC_021160.1	5349271	GG	AA	AA	INTERGENIC		
SNP_934B_5349295	Ca_Kabuli_Chr01	NC_021160.1	5349295	AA	TT	TT	INTERGENIC		
SNP_936B_5352165	Ca_Kabuli_Chr01	NC_021160.1	5352165	AA	GG	GG	INTERGENIC		
SNP_937B_5357484	Ca_Kabuli_Chr01	NC_021160.1	5357484	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_938B_5366042	Ca_Kabuli_Chr01	NC_021160.1	5366042	AA	TT	TT	INTERGENIC		
SNP_939B_5366836	Ca_Kabuli_Chr01	NC_021160.1	5366836	GG	AA	AA	INTRON	101499717	DUF21 domain-containing protein At4g14240-like
SNP_940B_5366866	Ca_Kabuli_Chr01	NC_021160.1	5366866	TT	GG	GG	INTRON	101499717	DUF21 domain-containing protein At4g14240-like
SNP_941B_5371366	Ca_Kabuli_Chr01	NC_021160.1	5371366	TT	GG	GG	URR	101499717	DUF21 domain-containing protein At4g14240-like
SNP_942B_5373260	Ca_Kabuli_Chr01	NC_021160.1	5373260	AA	GG	GG	INTERGENIC		
SNP_943B_5376907	Ca_Kabuli_Chr01	NC_021160.1	5376907	CC	TT	TT	DRR	101500367	probable serine incorporator
SNP_944B_5393520	Ca_Kabuli_Chr01	NC_021160.1	5393520	AA	TT	TT	INTERGENIC		
SNP_945B_5394157	Ca_Kabuli_Chr01	NC_021160.1	5394157	CC	AA	AA	INTERGENIC		
SNP_946B_5414531	Ca_Kabuli_Chr01	NC_021160.1	5414531	TT	CC	CC	INTERGENIC		
SNP_947B_5417348	Ca_Kabuli_Chr01	NC_021160.1	5417348	TT	AA	AA	INTERGENIC		
SNP_948B_5420394	Ca_Kabuli_Chr01	NC_021160.1	5420394	CC	TT	TT	INTERGENIC		
SNP_949B_5423443	Ca_Kabuli_Chr01	NC_021160.1	5423443	GG	AA	AA	INTERGENIC		
SNP_950B_5429055	Ca_Kabuli_Chr01	NC_021160.1	5429055	CC	TT	TT	INTERGENIC		
SNP_951B_5429079	Ca_Kabuli_Chr01	NC_021160.1	5429079	GG	AA	AA	INTERGENIC		
SNP_952B_5433130	Ca_Kabuli_Chr01	NC_021160.1	5433130	GG	AA	AA	URR	101500992	uncharacterized LOC101500992
SNP_953B_5433173	Ca_Kabuli_Chr01	NC_021160.1	5433173	AA	GG	GG	URR	101500992	uncharacterized LOC101500992
SNP_954B_5433377	Ca_Kabuli_Chr01	NC_021160.1	5433377	TT	CC	CC	URR	101500992	uncharacterized LOC101500992
SNP_955B_5440636	Ca_Kabuli_Chr01	NC_021160.1	5440636	GG	TT	TT	INTERGENIC		
SNP_956B_5440685	Ca_Kabuli_Chr01	NC_021160.1	5440685	TT	GG	GG	INTERGENIC		
SNP_957B_5440955	Ca_Kabuli_Chr01	NC_021160.1	5440955	AA	GG	GG	DRR	101501306	ATP-dependent (S)-NAD(P)H-hydrate dehydratase-like
SNP_958B_5440974	Ca_Kabuli_Chr01	NC_021160.1	5440974	AA	GG	GG	DRR	101501306	ATP-dependent (S)-NAD(P)H-hydrate dehydratase-like
SNP_960B_5447025	Ca_Kabuli_Chr01	NC_021160.1	5447025	GG	TT	TT	URR	101501306	ATP-dependent (S)-NAD(P)H-hydrate dehydratase-like
SNP_961B_5449968	Ca_Kabuli_Chr01	NC_021160.1	5449968	TT	CC	CC	INTERGENIC		
SNP_962B_5453110	Ca_Kabuli_Chr01	NC_021160.1	5453110	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_964B_5457923	Ca_Kabuli_Chr01	NC_021160.1	5457923	CC	TT	TT	INTERGENIC		
SNP_965B_5457941	Ca_Kabuli_Chr01	NC_021160.1	5457941	CC	AA	AA	INTERGENIC		
SNP_966B_5460745	Ca_Kabuli_Chr01	NC_021160.1	5460745	GG	TT	TT	INTERGENIC		
SNP_967B_5463941	Ca_Kabuli_Chr01	NC_021160.1	5463941	GG	AA	AA	INTERGENIC		
SNP_968B_5464054	Ca_Kabuli_Chr01	NC_021160.1	5464054	TT	CC	CC	INTERGENIC		
SNP_969B_5464062	Ca_Kabuli_Chr01	NC_021160.1	5464062	CC	TT	TT	INTERGENIC		
SNP_970B_5464161	Ca_Kabuli_Chr01	NC_021160.1	5464161	TT	GG	GG	INTERGENIC		
SNP_971B_5464228	Ca_Kabuli_Chr01	NC_021160.1	5464228	CC	TT	TT	INTERGENIC		
SNP_972B_5464264	Ca_Kabuli_Chr01	NC_021160.1	5464264	TT	CC	CC	INTERGENIC		
SNP_973B_5464267	Ca_Kabuli_Chr01	NC_021160.1	5464267	AA	GG	GG	INTERGENIC		
SNP_974B_5464274	Ca_Kabuli_Chr01	NC_021160.1	5464274	CC	TT	TT	INTERGENIC		
SNP_975B_5464342	Ca_Kabuli_Chr01	NC_021160.1	5464342	AA	GG	GG	INTERGENIC		
SNP_977B_5482991	Ca_Kabuli_Chr01	NC_021160.1	5482991	CC	AA	AA	URR	101501724	probable inactive receptor kinase At2g26730
SNP_978B_5483040	Ca_Kabuli_Chr01	NC_021160.1	5483040	GG	AA	AA	URR	101501724	probable inactive receptor kinase At2g26730
SNP_979B_5487759	Ca_Kabuli_Chr01	NC_021160.1	5487759	CC	TT	TT	INTRON	101502269	uncharacterized LOC101502269
SNP_980B_5498986	Ca_Kabuli_Chr01	NC_021160.1	5498986	GG	TT	TT	URR	101502783	ATP synthase gamma chain, chloroplastic
SNP_981B_5500258	Ca_Kabuli_Chr01	NC_021160.1	5500258	CC	TT	TT	DRR	101503104	starch synthase 3, chloroplastic/amyloplastic
SNP_982B_5508980	Ca_Kabuli_Chr01	NC_021160.1	5508980	AA	TT	TT	INTRON	101503104	starch synthase 3, chloroplastic/amyloplastic
SNP_983B_5511614	Ca_Kabuli_Chr01	NC_021160.1	5511614	CC	TT	TT	INTRON	101503104	starch synthase 3, chloroplastic/amyloplastic
SNP_984B_5511919	Ca_Kabuli_Chr01	NC_021160.1	5511919	CC	TT	TT	INTRON	101503104	starch synthase 3, chloroplastic/amyloplastic
SNP_985B_5513292	Ca_Kabuli_Chr01	NC_021160.1	5513292	CC	TT	TT	INTRON	101503104	starch synthase 3, chloroplastic/amyloplastic
SNP_986B_5517123	Ca_Kabuli_Chr01	NC_021160.1	5517123	AA	TT	TT	INTERGENIC		
SNP_987B_5520460	Ca_Kabuli_Chr01	NC_021160.1	5520460	CC	AA	AA	INTERGENIC		
SNP_988B_5520478	Ca_Kabuli_Chr01	NC_021160.1	5520478	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_989B_5520618	Ca_Kabuli_Chr01	NC_021160.1	5520618	TT	CC	CC	INTERGENIC		
SNP_990B_5520830	Ca_Kabuli_Chr01	NC_021160.1	5520830	TT	AA	AA	INTERGENIC		
SNP_991B_5677519	Ca_Kabuli_Chr01	NC_021160.1	5677519	CC	TT	TT	INTERGENIC		
SNP_992B_5741451	Ca_Kabuli_Chr01	NC_021160.1	5741451	TT	CC	CC	INTERGENIC		
SNP_993B_5793912	Ca_Kabuli_Chr01	NC_021160.1	5793912	GG	CC	CC	INTERGENIC		
SNP_994B_5803260	Ca_Kabuli_Chr01	NC_021160.1	5803260	GG	AA	AA	INTRON	101513200	katanin p60 ATPase-containing subunit A1
SNP_995B_5803429	Ca_Kabuli_Chr01	NC_021160.1	5803429	TT	AA	AA	INTRON	101513200	katanin p60 ATPase-containing subunit A1
SNP_996B_5803435	Ca_Kabuli_Chr01	NC_021160.1	5803435	AA	CC	CC	INTRON	101513200	katanin p60 ATPase-containing subunit A1
SNP_999B_5804227	Ca_Kabuli_Chr01	NC_021160.1	5804227	GG	AA	AA	INTRON	101513200	katanin p60 ATPase-containing subunit A1
SNP_1000B_5804381	Ca_Kabuli_Chr01	NC_021160.1	5804381	TT	AA	AA	INTRON	101513200	katanin p60 ATPase-containing subunit A1
SNP_1001B_5819238	Ca_Kabuli_Chr01	NC_021160.1	5819238	AA	TT	TT	INTERGENIC		
SNP_1002B_5819239	Ca_Kabuli_Chr01	NC_021160.1	5819239	TT	CC	CC	INTERGENIC		
SNP_1003B_5821799	Ca_Kabuli_Chr01	NC_021160.1	5821799	GG	AA	AA	INTERGENIC		
SNP_1004B_5897738	Ca_Kabuli_Chr01	NC_021160.1	5897738	GG	TT	TT	INTERGENIC		
SNP_1005B_5941313	Ca_Kabuli_Chr01	NC_021160.1	5941313	GG	AA	AA	NON_SYNONYMOUS_CODING	101489221	uncharacterized membrane protein At1g16860
SNP_1006B_5986521	Ca_Kabuli_Chr01	NC_021160.1	5986521	AA	TT	TT	INTERGENIC		
SNP_1008B_6072387	Ca_Kabuli_Chr01	NC_021160.1	6072387	CC	TT	TT	INTERGENIC		
SNP_1009B_6106211	Ca_Kabuli_Chr01	NC_021160.1	6106211	CC	TT	TT	INTERGENIC		
SNP_1010B_6106227	Ca_Kabuli_Chr01	NC_021160.1	6106227	AA	GG	GG	INTERGENIC		
SNP_1011B_6106315	Ca_Kabuli_Chr01	NC_021160.1	6106315	CC	TT	TT	INTERGENIC		
SNP_1012B_6106328	Ca_Kabuli_Chr01	NC_021160.1	6106328	TT	CC	CC	INTERGENIC		
SNP_1013B_6106338	Ca_Kabuli_Chr01	NC_021160.1	6106338	AA	TT	TT	INTERGENIC		
SNP_1014B_6106339	Ca_Kabuli_Chr01	NC_021160.1	6106339	GG	CC	CC	INTERGENIC		
SNP_1015B_6106351	Ca_Kabuli_Chr01	NC_021160.1	6106351	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1016B_6106470	Ca_Kabuli_Chr01	NC_021160.1	6106470	TT	CC	CC	INTERGENIC		
SNP_1017B_6106563	Ca_Kabuli_Chr01	NC_021160.1	6106563	TT	GG	GG	INTERGENIC		
SNP_1018B_6106564	Ca_Kabuli_Chr01	NC_021160.1	6106564	AA	GG	GG	INTERGENIC		
SNP_1019B_6110318	Ca_Kabuli_Chr01	NC_021160.1	6110318	CC	TT	TT	INTERGENIC		
SNP_1020B_6123408	Ca_Kabuli_Chr01	NC_021160.1	6123408	TT	CC	CC	SYNONYMOUS_CODING	101495362	tonoplast dicarboxylate transporter
SNP_1021B_6128769	Ca_Kabuli_Chr01	NC_021160.1	6128769	CC	AA	AA	URR	101495690	60S ribosomal protein L23
SNP_1023B_6129408	Ca_Kabuli_Chr01	NC_021160.1	6129408	GG	AA	AA	DRR	101496018	cysteine proteinase inhibitor 5
SNP_1024B_6129419	Ca_Kabuli_Chr01	NC_021160.1	6129419	CC	TT	TT	DRR	101496018	cysteine proteinase inhibitor 5
SNP_1025B_6133695	Ca_Kabuli_Chr01	NC_021160.1	6133695	GG	TT	TT	INTERGENIC		
SNP_1026B_6137892	Ca_Kabuli_Chr01	NC_021160.1	6137892	TT	CC	CC	INTERGENIC		
SNP_1027B_6137930	Ca_Kabuli_Chr01	NC_021160.1	6137930	CC	TT	TT	INTERGENIC		
SNP_1028B_6137964	Ca_Kabuli_Chr01	NC_021160.1	6137964	GG	TT	TT	INTERGENIC		
SNP_1029B_6137970	Ca_Kabuli_Chr01	NC_021160.1	6137970	TT	CC	CC	INTERGENIC		
SNP_1030B_6138019	Ca_Kabuli_Chr01	NC_021160.1	6138019	TT	CC	CC	INTERGENIC		
SNP_1031B_6138159	Ca_Kabuli_Chr01	NC_021160.1	6138159	AA	GG	GG	INTERGENIC		
SNP_1032B_6138175	Ca_Kabuli_Chr01	NC_021160.1	6138175	TT	CC	CC	INTERGENIC		
SNP_1034B_6141938	Ca_Kabuli_Chr01	NC_021160.1	6141938	AA	TT	TT	DRR	101496357	putative MO25-like protein At5g47540
SNP_1035B_6142386	Ca_Kabuli_Chr01	NC_021160.1	6142386	TT	GG	GG	DRR	101496357	putative MO25-like protein At5g47540
SNP_1036B_6147828	Ca_Kabuli_Chr01	NC_021160.1	6147828	TT	GG	GG	URR	101496357	putative MO25-like protein At5g47540
SNP_1037B_6147837	Ca_Kabuli_Chr01	NC_021160.1	6147837	GG	TT	TT	URR	101496357	putative MO25-like protein At5g47540
SNP_1039B_6148366	Ca_Kabuli_Chr01	NC_021160.1	6148366	GG	AA	AA	URR	101496357	putative MO25-like protein At5g47540
SNP_1040B_6149516	Ca_Kabuli_Chr01	NC_021160.1	6149516	GG	CC	CC	INTERGENIC		
SNP_1041B_6149576	Ca_Kabuli_Chr01	NC_021160.1	6149576	TT	CC	CC	INTERGENIC		
SNP_1042B_6150034	Ca_Kabuli_Chr01	NC_021160.1	6150034	TT	CC	CC	DRR	101496687	inositol-phosphate phosphatase-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1043B_6150056	Ca_Kabuli_Chr01	NC_021160.1	6150056	TT	CC	CC	DRR	101496687	inositol-phosphate phosphatase-like
SNP_1044B_6157493	Ca_Kabuli_Chr01	NC_021160.1	6157493	GG	AA	AA	URR	101496687	inositol-phosphate phosphatase-like
SNP_1046B_6158461	Ca_Kabuli_Chr01	NC_021160.1	6158461	CC	AA	AA	INTERGENIC		
SNP_1047B_6158780	Ca_Kabuli_Chr01	NC_021160.1	6158780	GG	AA	AA	INTERGENIC		
SNP_1048B_6178055	Ca_Kabuli_Chr01	NC_021160.1	6178055	CC	TT	TT	INTERGENIC		
SNP_1049B_6193698	Ca_Kabuli_Chr01	NC_021160.1	6193698	AA	GG	GG	INTERGENIC		
SNP_1050B_6193716	Ca_Kabuli_Chr01	NC_021160.1	6193716	GG	AA	AA	INTERGENIC		
SNP_1051B_6201310	Ca_Kabuli_Chr01	NC_021160.1	6201310	TT	CC	CC	INTERGENIC		
SNP_1052B_6201354	Ca_Kabuli_Chr01	NC_021160.1	6201354	AA	GG	GG	INTERGENIC		
SNP_1053B_6201697	Ca_Kabuli_Chr01	NC_021160.1	6201697	GG	AA	AA	INTERGENIC		
SNP_1054B_6201917	Ca_Kabuli_Chr01	NC_021160.1	6201917	TT	CC	CC	INTERGENIC		
SNP_1055B_6201992	Ca_Kabuli_Chr01	NC_021160.1	6201992	AA	TT	TT	INTERGENIC		
SNP_1056B_6202237	Ca_Kabuli_Chr01	NC_021160.1	6202237	GG	AA	AA	INTERGENIC		
SNP_1057B_6202279	Ca_Kabuli_Chr01	NC_021160.1	6202279	GG	CC	CC	INTERGENIC		
SNP_1059B_6205079	Ca_Kabuli_Chr01	NC_021160.1	6205079	AA	GG	GG	DRR	101499612	cytochrome b561 and DOMON domain-containing protein At5g47530-like
SNP_1061B_6205421	Ca_Kabuli_Chr01	NC_021160.1	6205421	AA	GG	GG	DRR	101499612	cytochrome b561 and DOMON domain-containing protein At5g47530-like
SNP_1062B_6205506	Ca_Kabuli_Chr01	NC_021160.1	6205506	CC	TT	TT	DRR	101499612	cytochrome b561 and DOMON domain-containing protein At5g47530-like
SNP_1063B_6205630	Ca_Kabuli_Chr01	NC_021160.1	6205630	GG	AA	AA	DRR	101499612	cytochrome b561 and DOMON domain-containing protein At5g47530-like
SNP_1064B_6206101	Ca_Kabuli_Chr01	NC_021160.1	6206101	GG	TT	TT	NON_SYNONYMOUS_CODING	101499612	cytochrome b561 and DOMON domain-containing protein At5g47530-like
SNP_1065B_6206224	Ca_Kabuli_Chr01	NC_021160.1	6206224	AA	GG	GG	SYNONYMOUS_CODING	101499612	cytochrome b561 and DOMON domain-containing protein At5g47530-like
SNP_1066B_6206426	Ca_Kabuli_Chr01	NC_021160.1	6206426	CC	TT	TT	URR	101499612	cytochrome b561 and DOMON domain-containing protein At5g47530-like
SNP_1067B_6206449	Ca_Kabuli_Chr01	NC_021160.1	6206449	CC	TT	TT	URR	101499612	cytochrome b561 and DOMON domain-containing protein At5g47530-like
SNP_1068B_6206495	Ca_Kabuli_Chr01	NC_021160.1	6206495	TT	CC	CC	URR	101499612	cytochrome b561 and DOMON domain-containing protein At5g47530-like
SNP_1069B_6206543	Ca_Kabuli_Chr01	NC_021160.1	6206543	AA	CC	CC	URR	101499612	cytochrome b561 and DOMON domain-containing protein At5g47530-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1070B_6221323	Ca_Kabuli_Chr01	NC_021160.1	6221323	AA	CC	CC	INTERGENIC		
SNP_1071B_6221595	Ca_Kabuli_Chr01	NC_021160.1	6221595	CC	TT	TT	INTERGENIC		
SNP_1072B_6222935	Ca_Kabuli_Chr01	NC_021160.1	6222935	TT	AA	AA	DRR	101510510	U-box domain-containing protein 4
SNP_1073B_6255112	Ca_Kabuli_Chr01	NC_021160.1	6255112	AA	TT	TT	DRR	101499919	thymidine kinase-like
SNP_1074B_6255346	Ca_Kabuli_Chr01	NC_021160.1	6255346	TT	CC	CC	INTERGENIC		
SNP_1075B_6262529	Ca_Kabuli_Chr01	NC_021160.1	6262529	TT	GG	GG	INTERGENIC		
SNP_1077B_6268514	Ca_Kabuli_Chr01	NC_021160.1	6268514	TT	CC	CC	INTRON	101512755	scarecrow-like protein 21
SNP_1078B_6268519	Ca_Kabuli_Chr01	NC_021160.1	6268519	CC	TT	TT	INTRON	101512755	scarecrow-like protein 21
SNP_1079B_6270501	Ca_Kabuli_Chr01	NC_021160.1	6270501	CC	TT	TT	URR	101512755	scarecrow-like protein 21
SNP_1080B_6279440	Ca_Kabuli_Chr01	NC_021160.1	6279440	AA	GG	GG	SYNONYMOUS_CODING	101513084	uncharacterized LOC101513084
SNP_1081B_6279445	Ca_Kabuli_Chr01	NC_021160.1	6279445	AA	TT	TT	NON_SYNONYMOUS_CODING	101513084	uncharacterized LOC101513084
SNP_1082B_6286190	Ca_Kabuli_Chr01	NC_021160.1	6286190	GG	AA	AA	DRR	101500574	uncharacterized LOC101500574
SNP_1083B_6288062	Ca_Kabuli_Chr01	NC_021160.1	6288062	CC	TT	TT	URR	101500574	uncharacterized LOC101500574
SNP_1084B_6298006	Ca_Kabuli_Chr01	NC_021160.1	6298006	TT	CC	CC	INTERGENIC		
SNP_1085B_6298028	Ca_Kabuli_Chr01	NC_021160.1	6298028	GG	TT	TT	INTERGENIC		
SNP_1086B_6299231	Ca_Kabuli_Chr01	NC_021160.1	6299231	AA	GG	GG	URR	101513412	CASP-like protein 2B1
SNP_1087B_6299234	Ca_Kabuli_Chr01	NC_021160.1	6299234	CC	TT	TT	URR	101513412	CASP-like protein 2B1
SNP_1088B_6299236	Ca_Kabuli_Chr01	NC_021160.1	6299236	CC	TT	TT	URR	101513412	CASP-like protein 2B1
SNP_1089B_6299237	Ca_Kabuli_Chr01	NC_021160.1	6299237	CC	TT	TT	URR	101513412	CASP-like protein 2B1
SNP_1090B_6299258	Ca_Kabuli_Chr01	NC_021160.1	6299258	TT	CC	CC	URR	101513412	CASP-like protein 2B1
SNP_1091B_6299314	Ca_Kabuli_Chr01	NC_021160.1	6299314	AA	GG	GG	URR	101513412	CASP-like protein 2B1
SNP_1092B_6299604	Ca_Kabuli_Chr01	NC_021160.1	6299604	GG	AA	AA	URR	101513412	CASP-like protein 2B1
SNP_1093B_6304983	Ca_Kabuli_Chr01	NC_021160.1	6304983	CC	TT	TT	URR	101513724	stress-associated endoplasmic reticulum protein 2-like
SNP_1094B_6306743	Ca_Kabuli_Chr01	NC_021160.1	6306743	TT	AA	AA	URR	101514061	uncharacterized LOC101514061

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1095B_6319513	Ca_Kabuli_Chr01	NC_021160.1	6319513	GG	CC	CC	INTRON	101514613	transcriptional adapter ADA2b
SNP_1096B_6326344	Ca_Kabuli_Chr01	NC_021160.1	6326344	TT	AA	AA	INTERGENIC		
SNP_1097B_6326345	Ca_Kabuli_Chr01	NC_021160.1	6326345	AA	TT	TT	INTERGENIC		
SNP_1098B_6326496	Ca_Kabuli_Chr01	NC_021160.1	6326496	CC	TT	TT	INTERGENIC		
SNP_1099B_6326757	Ca_Kabuli_Chr01	NC_021160.1	6326757	TT	CC	CC	INTERGENIC		
SNP_1100B_6326887	Ca_Kabuli_Chr01	NC_021160.1	6326887	GG	AA	AA	INTERGENIC		
SNP_1101B_6326898	Ca_Kabuli_Chr01	NC_021160.1	6326898	GG	AA	AA	INTERGENIC		
SNP_1102B_6326931	Ca_Kabuli_Chr01	NC_021160.1	6326931	GG	TT	TT	INTERGENIC		
SNP_1103B_6326934	Ca_Kabuli_Chr01	NC_021160.1	6326934	CC	TT	TT	INTERGENIC		
SNP_1105B_6332807	Ca_Kabuli_Chr01	NC_021160.1	6332807	TT	AA	AA	INTRON	101515146	uncharacterized LOC101515146
SNP_1106B_6335143	Ca_Kabuli_Chr01	NC_021160.1	6335143	GG	AA	AA	URR	101515146	uncharacterized LOC101515146
SNP_1107B_6335408	Ca_Kabuli_Chr01	NC_021160.1	6335408	GG	AA	AA	URR	101515146	uncharacterized LOC101515146
SNP_1108B_6359891	Ca_Kabuli_Chr01	NC_021160.1	6359891	TT	AA	AA	INTERGENIC		
SNP_1109B_6359900	Ca_Kabuli_Chr01	NC_021160.1	6359900	CC	AA	AA	INTERGENIC		
SNP_1110B_6362535	Ca_Kabuli_Chr01	NC_021160.1	6362535	CC	TT	TT	INTRON	101488898	CASP-like protein 2B1
SNP_1111B_6362550	Ca_Kabuli_Chr01	NC_021160.1	6362550	TT	CC	CC	INTRON	101488898	CASP-like protein 2B1
SNP_1112B_6367123	Ca_Kabuli_Chr01	NC_021160.1	6367123	GG	AA	AA	INTRON	101488898	CASP-like protein 2B1
SNP_1113B_6367139	Ca_Kabuli_Chr01	NC_021160.1	6367139	AA	GG	GG	INTRON	101488898	CASP-like protein 2B1
SNP_1114B_6369813	Ca_Kabuli_Chr01	NC_021160.1	6369813	TT	CC	CC	INTRON	101488898	CASP-like protein 2B1
SNP_1115B_6374209	Ca_Kabuli_Chr01	NC_021160.1	6374209	TT	CC	CC	INTERGENIC		
SNP_1116B_6374324	Ca_Kabuli_Chr01	NC_021160.1	6374324	TT	GG	GG	INTERGENIC		
SNP_1119B_6383995	Ca_Kabuli_Chr01	NC_021160.1	6383995	GG	AA	AA	INTERGENIC		
SNP_1120B_6385694	Ca_Kabuli_Chr01	NC_021160.1	6385694	TT	CC	CC	INTERGENIC		
SNP_1121B_6386551	Ca_Kabuli_Chr01	NC_021160.1	6386551	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1122B_6394314	Ca_Kabuli_Chr01	NC_021160.1	6394314	AA	GG	GG	URR	101489546	pentatricopeptide repeat-containing protein At4g16390, chloroplastic-like
SNP_1123B_6394347	Ca_Kabuli_Chr01	NC_021160.1	6394347	TT	CC	CC	URR	101489546	pentatricopeptide repeat-containing protein At4g16390, chloroplastic-like
SNP_1124B_6394370	Ca_Kabuli_Chr01	NC_021160.1	6394370	CC	TT	TT	URR	101489546	pentatricopeptide repeat-containing protein At4g16390, chloroplastic-like
SNP_1125B_6394401	Ca_Kabuli_Chr01	NC_021160.1	6394401	TT	CC	CC	URR	101489546	pentatricopeptide repeat-containing protein At4g16390, chloroplastic-like
SNP_1126B_6394419	Ca_Kabuli_Chr01	NC_021160.1	6394419	TT	CC	CC	URR	101489546	pentatricopeptide repeat-containing protein At4g16390, chloroplastic-like
SNP_1127B_6394460	Ca_Kabuli_Chr01	NC_021160.1	6394460	AA	GG	GG	URR	101489546	pentatricopeptide repeat-containing protein At4g16390, chloroplastic-like
SNP_1128B_6394568	Ca_Kabuli_Chr01	NC_021160.1	6394568	AA	GG	GG	URR	101489546	pentatricopeptide repeat-containing protein At4g16390, chloroplastic-like
SNP_1129B_6394600	Ca_Kabuli_Chr01	NC_021160.1	6394600	TT	CC	CC	URR	101489546	pentatricopeptide repeat-containing protein At4g16390, chloroplastic-like
SNP_1130B_6394606	Ca_Kabuli_Chr01	NC_021160.1	6394606	AA	GG	GG	URR	101489546	pentatricopeptide repeat-containing protein At4g16390, chloroplastic-like
SNP_1131B_6394742	Ca_Kabuli_Chr01	NC_021160.1	6394742	AA	CC	CC	URR	101489546	pentatricopeptide repeat-containing protein At4g16390, chloroplastic-like
SNP_1132B_6394844	Ca_Kabuli_Chr01	NC_021160.1	6394844	CC	TT	TT	INTERGENIC		
SNP_1133B_6407740	Ca_Kabuli_Chr01	NC_021160.1	6407740	AA	CC	CC	START_GAINED	101489861	pollen-specific leucine-rich repeat extensin-like protein 2
SNP_1134B_6408465	Ca_Kabuli_Chr01	NC_021160.1	6408465	GG	TT	TT	URR	101489861	pollen-specific leucine-rich repeat extensin-like protein 2
SNP_1135B_6408536	Ca_Kabuli_Chr01	NC_021160.1	6408536	GG	TT	TT	URR	101489861	pollen-specific leucine-rich repeat extensin-like protein 2
SNP_1136B_6413536	Ca_Kabuli_Chr01	NC_021160.1	6413536	AA	GG	GG	DRR	101490195	FK506-binding protein 5-like
SNP_1137B_6427419	Ca_Kabuli_Chr01	NC_021160.1	6427419	AA	GG	GG	INTERGENIC		
SNP_1138B_6430590	Ca_Kabuli_Chr01	NC_021160.1	6430590	CC	TT	TT	INTERGENIC		
SNP_1139B_6431015	Ca_Kabuli_Chr01	NC_021160.1	6431015	CC	TT	TT	INTERGENIC		
SNP_1140B_6431096	Ca_Kabuli_Chr01	NC_021160.1	6431096	AA	GG	GG	INTERGENIC		
SNP_1141B_6445059	Ca_Kabuli_Chr01	NC_021160.1	6445059	TT	AA	AA	URR	101490841	trihelix transcription factor GT-2
SNP_1142B_6460488	Ca_Kabuli_Chr01	NC_021160.1	6460488	AA	CC	CC	INTERGENIC		
SNP_1143B_6466149	Ca_Kabuli_Chr01	NC_021160.1	6466149	AA	GG	GG	INTERGENIC		
SNP_1144B_6466751	Ca_Kabuli_Chr01	NC_021160.1	6466751	CC	GG	GG	INTERGENIC		
SNP_1145B_6469951	Ca_Kabuli_Chr01	NC_021160.1	6469951	GG	AA	AA	INTRON	101492246	tRNA (guanine(9)-N1)-methyltransferase

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1146B_6475120	Ca_Kabuli_Chr01	NC_021160.1	6475120	GG	AA	AA	INTERGENIC		
SNP_1147B_6476040	Ca_Kabuli_Chr01	NC_021160.1	6476040	TT	GG	GG	INTERGENIC		
SNP_1148B_6476805	Ca_Kabuli_Chr01	NC_021160.1	6476805	TT	CC	CC	DRR	101492582	sister chromatid cohesion protein PDS5 homolog B-A
SNP_1149B_6481815	Ca_Kabuli_Chr01	NC_021160.1	6481815	CC	AA	AA	INTRON	101492582	sister chromatid cohesion protein PDS5 homolog B-A
SNP_1150B_6482100	Ca_Kabuli_Chr01	NC_021160.1	6482100	GG	TT	TT	INTRON	101492582	sister chromatid cohesion protein PDS5 homolog B-A
SNP_1151B_6484016	Ca_Kabuli_Chr01	NC_021160.1	6484016	AA	CC	CC	INTRON	101492582	sister chromatid cohesion protein PDS5 homolog B-A
SNP_1152B_6487135	Ca_Kabuli_Chr01	NC_021160.1	6487135	TT	GG	GG	INTRON	101492582	sister chromatid cohesion protein PDS5 homolog B-A
SNP_1153B_6488910	Ca_Kabuli_Chr01	NC_021160.1	6488910	TT	CC	CC	SYNONYMOUS_CODING	101492582	sister chromatid cohesion protein PDS5 homolog B-A
SNP_1154B_6488916	Ca_Kabuli_Chr01	NC_021160.1	6488916	AA	GG	GG	SYNONYMOUS_CODING	101492582	sister chromatid cohesion protein PDS5 homolog B-A
SNP_1155B_6488947	Ca_Kabuli_Chr01	NC_021160.1	6488947	GG	TT	TT	INTRON	101492582	sister chromatid cohesion protein PDS5 homolog B-A
SNP_1156B_6512022	Ca_Kabuli_Chr01	NC_021160.1	6512022	TT	CC	CC	INTRON	101492911	probable ADP-ribosylation factor GTPase-activating protein AGD13
SNP_1157B_6512030	Ca_Kabuli_Chr01	NC_021160.1	6512030	GG	CC	CC	INTRON	101492911	probable ADP-ribosylation factor GTPase-activating protein AGD13
SNP_1158B_6512031	Ca_Kabuli_Chr01	NC_021160.1	6512031	GG	AA	AA	INTRON	101492911	probable ADP-ribosylation factor GTPase-activating protein AGD13
SNP_1159B_6512926	Ca_Kabuli_Chr01	NC_021160.1	6512926	CC	GG	GG	URR	101492911	probable ADP-ribosylation factor GTPase-activating protein AGD13
SNP_1160B_6513211	Ca_Kabuli_Chr01	NC_021160.1	6513211	CC	TT	TT	URR	101492911	probable ADP-ribosylation factor GTPase-activating protein AGD13
SNP_1161B_6513797	Ca_Kabuli_Chr01	NC_021160.1	6513797	GG	CC	CC	URR	101492911	probable ADP-ribosylation factor GTPase-activating protein AGD13
SNP_1162B_6518839	Ca_Kabuli_Chr01	NC_021160.1	6518839	AA	TT	TT	DRR	101494401	WEB family protein At1g12150-like
SNP_1163B_6526023	Ca_Kabuli_Chr01	NC_021160.1	6526023	AA	GG	GG	INTERGENIC		
SNP_1164B_6529107	Ca_Kabuli_Chr01	NC_021160.1	6529107	AA	GG	GG	URR	101494713	phosphatidylinositol/phosphatidylcholine transfer protein SFH2
SNP_1165B_6534226	Ca_Kabuli_Chr01	NC_021160.1	6534226	AA	GG	GG	INTERGENIC		
SNP_1166B_6538485	Ca_Kabuli_Chr01	NC_021160.1	6538485	AA	GG	GG	INTERGENIC		
SNP_1168B_6538849	Ca_Kabuli_Chr01	NC_021160.1	6538849	TT	CC	CC	DRR	101495364	serine/threonine-protein kinase D6PK
SNP_1169B_6538850	Ca_Kabuli_Chr01	NC_021160.1	6538850	TT	GG	GG	DRR	101495364	serine/threonine-protein kinase D6PK
SNP_1170B_6539469	Ca_Kabuli_Chr01	NC_021160.1	6539469	TT	CC	CC	DRR	101495364	serine/threonine-protein kinase D6PK

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1171B_6546601	Ca_Kabuli_Chr01	NC_021160.1	6546601	CC	TT	TT	INTERGENIC		
SNP_1172B_6546978	Ca_Kabuli_Chr01	NC_021160.1	6546978	CC	TT	TT	INTERGENIC		
SNP_1173B_6546988	Ca_Kabuli_Chr01	NC_021160.1	6546988	AA	GG	GG	INTERGENIC		
SNP_1174B_6547382	Ca_Kabuli_Chr01	NC_021160.1	6547382	AA	CC	CC	INTERGENIC		
SNP_1175B_6589459	Ca_Kabuli_Chr01	NC_021160.1	6589459	CC	TT	TT	URR	101497884	C2 and GRAM domain-containing protein At1g03370-like
SNP_1176B_6620799	Ca_Kabuli_Chr01	NC_021160.1	6620799	GG	AA	AA	DRR	101499414	calcineurin B-like protein 3
SNP_1177B_6694522	Ca_Kabuli_Chr01	NC_021160.1	6694522	TT	CC	CC	NON_SYNONYMOUS_CODING	101502167	Unknown function
SNP_1178B_6694524	Ca_Kabuli_Chr01	NC_021160.1	6694524	AA	GG	GG	SYNONYMOUS_CODING	101502167	Unknown function
SNP_1179B_6697393	Ca_Kabuli_Chr01	NC_021160.1	6697393	GG	AA	AA	URR	101502167	Unknown function
SNP_1180B_6773045	Ca_Kabuli_Chr01	NC_021160.1	6773045	AA	CC	CC	URR	101506341	uncharacterized LOC101506341
SNP_1181B_6775821	Ca_Kabuli_Chr01	NC_021160.1	6775821	CC	TT	TT	URR	101502787	uncharacterized protein At4g04775-like
SNP_1182B_6775889	Ca_Kabuli_Chr01	NC_021160.1	6775889	AA	GG	GG	URR	101502787	uncharacterized protein At4g04775-like
SNP_1183B_6776210	Ca_Kabuli_Chr01	NC_021160.1	6776210	AA	GG	GG	URR	101502787	uncharacterized protein At4g04775-like
SNP_1184B_6778094	Ca_Kabuli_Chr01	NC_021160.1	6778094	AA	GG	GG	URR	101503107	Unknown function
SNP_1185B_6778128	Ca_Kabuli_Chr01	NC_021160.1	6778128	AA	GG	GG	URR	101503107	Unknown function
SNP_1186B_6778168	Ca_Kabuli_Chr01	NC_021160.1	6778168	CC	TT	TT	URR	101503107	Unknown function
SNP_1187B_6778498	Ca_Kabuli_Chr01	NC_021160.1	6778498	TT	GG	GG	URR	101503107	Unknown function
SNP_1188B_6778517	Ca_Kabuli_Chr01	NC_021160.1	6778517	CC	TT	TT	URR	101503107	Unknown function
SNP_1189B_6779880	Ca_Kabuli_Chr01	NC_021160.1	6779880	AA	GG	GG	URR	101503107	Unknown function
SNP_1190B_6869736	Ca_Kabuli_Chr01	NC_021160.1	6869736	CC	GG	GG	INTERGENIC		
SNP_1192B_7095225	Ca_Kabuli_Chr01	NC_021160.1	7095225	CC	TT	TT	URR	101490421	BRCA1-A complex subunit BRE-like
SNP_1193B_7116283	Ca_Kabuli_Chr01	NC_021160.1	7116283	TT	GG	GG	INTERGENIC		
SNP_1194B_7154857	Ca_Kabuli_Chr01	NC_021160.1	7154857	TT	CC	CC	INTRON	101491602	exocyst complex component SEC8
SNP_1195B_7212004	Ca_Kabuli_Chr01	NC_021160.1	7212004	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1197B_7245784	Ca_Kabuli_Chr01	NC_021160.1	7245784	GG	AA	AA	INTERGENIC		
SNP_1199B_7298873	Ca_Kabuli_Chr01	NC_021160.1	7298873	AA	GG	GG	INTRON	101493774	uncharacterized LOC101493774
SNP_1200B_7316209	Ca_Kabuli_Chr01	NC_021160.1	7316209	GG	AA	AA	INTRON	101493774	uncharacterized LOC101493774
SNP_1201B_7347573	Ca_Kabuli_Chr01	NC_021160.1	7347573	GG	TT	TT	URR	101494402	serine/threonine-protein phosphatase 6 regulatory subunit 3
SNP_1202B_7378088	Ca_Kabuli_Chr01	NC_021160.1	7378088	CC	TT	TT	INTERGENIC		
SNP_1203B_7406160	Ca_Kabuli_Chr01	NC_021160.1	7406160	CC	GG	GG	URR	101506663	pollen-specific leucine-rich repeat extensin-like protein 1
SNP_1204B_7518441	Ca_Kabuli_Chr01	NC_021160.1	7518441	TT	CC	CC	INTERGENIC		
SNP_1205B_7544224	Ca_Kabuli_Chr01	NC_021160.1	7544224	GG	AA	AA	INTERGENIC		
SNP_1206B_7590994	Ca_Kabuli_Chr01	NC_021160.1	7590994	CC	TT	TT	SYNONYMOUS_CODING	101506998	homeobox-leucine zipper protein HDG11-like
SNP_1207B_7590999	Ca_Kabuli_Chr01	NC_021160.1	7590999	GG	TT	TT	NON_SYNONYMOUS_CODING	101506998	homeobox-leucine zipper protein HDG11-like
SNP_1208B_7591307	Ca_Kabuli_Chr01	NC_021160.1	7591307	TT	CC	CC	SYNONYMOUS_CODING	101506998	homeobox-leucine zipper protein HDG11-like
SNP_1209B_7591535	Ca_Kabuli_Chr01	NC_021160.1	7591535	AA	GG	GG	INTRON	101506998	homeobox-leucine zipper protein HDG11-like
SNP_1210B_7591536	Ca_Kabuli_Chr01	NC_021160.1	7591536	CC	TT	TT	INTRON	101506998	homeobox-leucine zipper protein HDG11-like
SNP_1211B_7591542	Ca_Kabuli_Chr01	NC_021160.1	7591542	GG	AA	AA	INTRON	101506998	homeobox-leucine zipper protein HDG11-like
SNP_1212B_7591548	Ca_Kabuli_Chr01	NC_021160.1	7591548	GG	CC	CC	INTRON	101506998	homeobox-leucine zipper protein HDG11-like
SNP_1213B_7591589	Ca_Kabuli_Chr01	NC_021160.1	7591589	GG	AA	AA	NON_SYNONYMOUS_CODING	101506998	homeobox-leucine zipper protein HDG11-like
SNP_1214B_7591623	Ca_Kabuli_Chr01	NC_021160.1	7591623	CC	TT	TT	NON_SYNONYMOUS_CODING	101506998	homeobox-leucine zipper protein HDG11-like
SNP_1215B_7591627	Ca_Kabuli_Chr01	NC_021160.1	7591627	GG	AA	AA	SYNONYMOUS_CODING	101506998	homeobox-leucine zipper protein HDG11-like
SNP_1216B_7591874	Ca_Kabuli_Chr01	NC_021160.1	7591874	AA	GG	GG	NON_SYNONYMOUS_CODING	101506998	homeobox-leucine zipper protein HDG11-like
SNP_1217B_7591896	Ca_Kabuli_Chr01	NC_021160.1	7591896	GG	AA	AA	NON_SYNONYMOUS_CODING	101506998	homeobox-leucine zipper protein HDG11-like
SNP_1218B_7629992	Ca_Kabuli_Chr01	NC_021160.1	7629992	TT	AA	AA	DRR	101503553	uncharacterized LOC101503553
SNP_1219B_7630242	Ca_Kabuli_Chr01	NC_021160.1	7630242	GG	CC	CC	DRR	101503553	uncharacterized LOC101503553
SNP_1221B_7635730	Ca_Kabuli_Chr01	NC_021160.1	7635730	TT	AA	AA	INTERGENIC		
SNP_1222B_7635928	Ca_Kabuli_Chr01	NC_021160.1	7635928	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1223B_7635942	Ca_Kabuli_Chr01	NC_021160.1	7635942	AA	GG	GG	INTERGENIC		
SNP_1224B_7636134	Ca_Kabuli_Chr01	NC_021160.1	7636134	TT	CC	CC	INTERGENIC		
SNP_1225B_7637265	Ca_Kabuli_Chr01	NC_021160.1	7637265	GG	AA	AA	INTERGENIC		
SNP_1226B_7637301	Ca_Kabuli_Chr01	NC_021160.1	7637301	GG	AA	AA	INTERGENIC		
SNP_1227B_7637307	Ca_Kabuli_Chr01	NC_021160.1	7637307	GG	AA	AA	INTERGENIC		
SNP_1228B_7637329	Ca_Kabuli_Chr01	NC_021160.1	7637329	TT	AA	AA	INTERGENIC		
SNP_1229B_7637351	Ca_Kabuli_Chr01	NC_021160.1	7637351	GG	AA	AA	INTERGENIC		
SNP_1230B_7637718	Ca_Kabuli_Chr01	NC_021160.1	7637718	GG	CC	CC	INTERGENIC		
SNP_1231B_7637751	Ca_Kabuli_Chr01	NC_021160.1	7637751	CC	TT	TT	INTERGENIC		
SNP_1232B_7637973	Ca_Kabuli_Chr01	NC_021160.1	7637973	CC	GG	GG	INTERGENIC		
SNP_1233B_7638582	Ca_Kabuli_Chr01	NC_021160.1	7638582	GG	AA	AA	INTERGENIC		
SNP_1234B_7640371	Ca_Kabuli_Chr01	NC_021160.1	7640371	AA	TT	TT	INTERGENIC		
SNP_1236B_7654103	Ca_Kabuli_Chr01	NC_021160.1	7654103	CC	GG	GG	URR	101504198	tubulin beta chain
SNP_1237B_7661355	Ca_Kabuli_Chr01	NC_021160.1	7661355	AA	GG	GG	INTERGENIC		
SNP_1238B_7663858	Ca_Kabuli_Chr01	NC_021160.1	7663858	CC	TT	TT	DRR	101504530	uncharacterized LOC101504530
SNP_1239B_7672549	Ca_Kabuli_Chr01	NC_021160.1	7672549	AA	GG	GG	INTERGENIC		
SNP_1240B_7673047	Ca_Kabuli_Chr01	NC_021160.1	7673047	CC	AA	AA	INTERGENIC		
SNP_1241B_7673092	Ca_Kabuli_Chr01	NC_021160.1	7673092	CC	TT	TT	INTERGENIC		
SNP_1242B_7682115	Ca_Kabuli_Chr01	NC_021160.1	7682115	CC	TT	TT	INTRON	101504844	fatty acid 2-hydroxylase 1-like
SNP_1243B_7687930	Ca_Kabuli_Chr01	NC_021160.1	7687930	GG	AA	AA	DRR	101505368	uncharacterized protein PFB0145c
SNP_1244B_7687959	Ca_Kabuli_Chr01	NC_021160.1	7687959	CC	GG	GG	DRR	101505368	uncharacterized protein PFB0145c
SNP_1245B_7687963	Ca_Kabuli_Chr01	NC_021160.1	7687963	AA	CC	CC	DRR	101505368	uncharacterized protein PFB0145c
SNP_1246B_7687975	Ca_Kabuli_Chr01	NC_021160.1	7687975	AA	TT	TT	DRR	101505368	uncharacterized protein PFB0145c
SNP_1247B_7688019	Ca_Kabuli_Chr01	NC_021160.1	7688019	CC	TT	TT	DRR	101505368	uncharacterized protein PFB0145c

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1248B_7688061	Ca_Kabuli_Chr01	NC_021160.1	7688061	CC	TT	TT	DRR	101505368	uncharacterized protein PFB0145c
SNP_1249B_7703706	Ca_Kabuli_Chr01	NC_021160.1	7703706	GG	AA	AA	INTERGENIC		
SNP_1250B_7703707	Ca_Kabuli_Chr01	NC_021160.1	7703707	CC	TT	TT	INTERGENIC		
SNP_1251B_7703904	Ca_Kabuli_Chr01	NC_021160.1	7703904	GG	AA	AA	INTERGENIC		
SNP_1252B_7703919	Ca_Kabuli_Chr01	NC_021160.1	7703919	AA	GG	GG	INTERGENIC		
SNP_1253B_7703936	Ca_Kabuli_Chr01	NC_021160.1	7703936	AA	GG	GG	INTERGENIC		
SNP_1254B_7703937	Ca_Kabuli_Chr01	NC_021160.1	7703937	GG	AA	AA	INTERGENIC		
SNP_1255B_7704207	Ca_Kabuli_Chr01	NC_021160.1	7704207	AA	TT	TT	INTERGENIC		
SNP_1256B_7706913	Ca_Kabuli_Chr01	NC_021160.1	7706913	GG	AA	AA	DRR	101410606	transfer RNA glycine (anticodon UCC)
SNP_1257B_7706914	Ca_Kabuli_Chr01	NC_021160.1	7706914	AA	TT	TT	DRR	101410606	transfer RNA glycine (anticodon UCC)
SNP_1258B_7707689	Ca_Kabuli_Chr01	NC_021160.1	7707689	TT	CC	CC	DRR	101506123	transcription factor IIIB 70 kDa subunit
SNP_1259B_7707692	Ca_Kabuli_Chr01	NC_021160.1	7707692	TT	GG	GG	DRR	101506123	transcription factor IIIB 70 kDa subunit
SNP_1260B_7710613	Ca_Kabuli_Chr01	NC_021160.1	7710613	GG	AA	AA	URR	101506123	transcription factor IIIB 70 kDa subunit
SNP_1261B_7713302	Ca_Kabuli_Chr01	NC_021160.1	7713302	TT	GG	GG	INTERGENIC		
SNP_1262B_7725374	Ca_Kabuli_Chr01	NC_021160.1	7725374	CC	TT	TT	INTRON	101508264	reticuline oxidase-like protein
SNP_1263B_7725610	Ca_Kabuli_Chr01	NC_021160.1	7725610	TT	AA	AA	INTRON	101508264	reticuline oxidase-like protein
SNP_1265B_7726689	Ca_Kabuli_Chr01	NC_021160.1	7726689	GG	AA	AA	INTRON	101508264	reticuline oxidase-like protein
SNP_1266B_7728497	Ca_Kabuli_Chr01	NC_021160.1	7728497	AA	GG	GG	INTRON	101508264	reticuline oxidase-like protein
SNP_1267B_7728925	Ca_Kabuli_Chr01	NC_021160.1	7728925	GG	AA	AA	INTRON	101508264	reticuline oxidase-like protein
SNP_1268B_7729033	Ca_Kabuli_Chr01	NC_021160.1	7729033	TT	CC	CC	INTRON	101508264	reticuline oxidase-like protein
SNP_1269B_7729034	Ca_Kabuli_Chr01	NC_021160.1	7729034	GG	TT	TT	INTRON	101508264	reticuline oxidase-like protein
SNP_1270B_7729038	Ca_Kabuli_Chr01	NC_021160.1	7729038	GG	AA	AA	INTRON	101508264	reticuline oxidase-like protein
SNP_1271B_7729076	Ca_Kabuli_Chr01	NC_021160.1	7729076	GG	AA	AA	INTRON	101508264	reticuline oxidase-like protein
SNP_1272B_7729697	Ca_Kabuli_Chr01	NC_021160.1	7729697	GG	AA	AA	INTRON	101508264	reticuline oxidase-like protein

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1273B_7730612	Ca_Kabuli_Chr01	NC_021160.1	7730612	GG	AA	AA	INTRON	101508264	reticuline oxidase-like protein
SNP_1274B_7730616	Ca_Kabuli_Chr01	NC_021160.1	7730616	CC	AA	AA	INTRON	101508264	reticuline oxidase-like protein
SNP_1275B_7730715	Ca_Kabuli_Chr01	NC_021160.1	7730715	TT	CC	CC	INTRON	101508264	reticuline oxidase-like protein
SNP_1276B_7730884	Ca_Kabuli_Chr01	NC_021160.1	7730884	TT	CC	CC	INTRON	101508264	reticuline oxidase-like protein
SNP_1277B_7730979	Ca_Kabuli_Chr01	NC_021160.1	7730979	GG	AA	AA	INTRON	101508264	reticuline oxidase-like protein
SNP_1278B_7730994	Ca_Kabuli_Chr01	NC_021160.1	7730994	GG	TT	TT	INTRON	101508264	reticuline oxidase-like protein
SNP_1279B_7731089	Ca_Kabuli_Chr01	NC_021160.1	7731089	AA	TT	TT	INTRON	101508264	reticuline oxidase-like protein
SNP_1280B_7731203	Ca_Kabuli_Chr01	NC_021160.1	7731203	AA	TT	TT	INTRON	101508264	reticuline oxidase-like protein
SNP_1281B_7731810	Ca_Kabuli_Chr01	NC_021160.1	7731810	CC	TT	TT	INTRON	101508264	reticuline oxidase-like protein
SNP_1282B_7731819	Ca_Kabuli_Chr01	NC_021160.1	7731819	GG	TT	TT	INTRON	101508264	reticuline oxidase-like protein
SNP_1283B_7732997	Ca_Kabuli_Chr01	NC_021160.1	7732997	CC	TT	TT	INTRON	101508264	reticuline oxidase-like protein
SNP_1284B_7733395	Ca_Kabuli_Chr01	NC_021160.1	7733395	CC	TT	TT	INTRON	101508264	reticuline oxidase-like protein
SNP_1285B_7733470	Ca_Kabuli_Chr01	NC_021160.1	7733470	GG	AA	AA	INTRON	101508264	reticuline oxidase-like protein
SNP_1286B_7733590	Ca_Kabuli_Chr01	NC_021160.1	7733590	CC	AA	AA	INTRON	101508264	reticuline oxidase-like protein
SNP_1287B_7733740	Ca_Kabuli_Chr01	NC_021160.1	7733740	CC	TT	TT	INTRON	101508264	reticuline oxidase-like protein
SNP_1288B_7734168	Ca_Kabuli_Chr01	NC_021160.1	7734168	CC	AA	AA	INTRON	101508264	reticuline oxidase-like protein
SNP_1289B_7734221	Ca_Kabuli_Chr01	NC_021160.1	7734221	AA	TT	TT	INTRON	101508264	reticuline oxidase-like protein
SNP_1290B_7741187	Ca_Kabuli_Chr01	NC_021160.1	7741187	CC	TT	TT	INTRON	101508264	reticuline oxidase-like protein
SNP_1291B_7745740	Ca_Kabuli_Chr01	NC_021160.1	7745740	GG	CC	CC	NON_SYNONYMOUS_CODING	101508264	reticuline oxidase-like protein
SNP_1292B_7745743	Ca_Kabuli_Chr01	NC_021160.1	7745743	AA	CC	CC	NON_SYNONYMOUS_CODING	101508264	reticuline oxidase-like protein
SNP_1293B_7745754	Ca_Kabuli_Chr01	NC_021160.1	7745754	TT	CC	CC	SYNONYMOUS_CODING	101508264	reticuline oxidase-like protein
SNP_1294B_7745767	Ca_Kabuli_Chr01	NC_021160.1	7745767	CC	TT	TT	NON_SYNONYMOUS_CODING	101508264	reticuline oxidase-like protein
SNP_1295B_7745785	Ca_Kabuli_Chr01	NC_021160.1	7745785	AA	GG	GG	NON_SYNONYMOUS_CODING	101508264	reticuline oxidase-like protein
SNP_1296B_7745810	Ca_Kabuli_Chr01	NC_021160.1	7745810	CC	AA	AA	NON_SYNONYMOUS_CODING	101508264	reticuline oxidase-like protein

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1297B_7746325	Ca_Kabuli_Chr01	NC_021160.1	7746325	GG	AA	AA	NON_SYNONYMOUS_CODING	101508264	reticuline oxidase-like protein
SNP_1298B_7746358	Ca_Kabuli_Chr01	NC_021160.1	7746358	TT	CC	CC	SYNONYMOUS_CODING	101508264	reticuline oxidase-like protein
SNP_1299B_7746363	Ca_Kabuli_Chr01	NC_021160.1	7746363	GG	CC	CC	SYNONYMOUS_CODING	101508264	reticuline oxidase-like protein
SNP_1300B_7746444	Ca_Kabuli_Chr01	NC_021160.1	7746444	AA	GG	GG	SYNONYMOUS_CODING	101508264	reticuline oxidase-like protein
SNP_1301B_7746622	Ca_Kabuli_Chr01	NC_021160.1	7746622	GG	AA	AA	URR	101508264	reticuline oxidase-like protein
SNP_1302B_7746639	Ca_Kabuli_Chr01	NC_021160.1	7746639	AA	GG	GG	URR	101508264	reticuline oxidase-like protein
SNP_1303B_7746786	Ca_Kabuli_Chr01	NC_021160.1	7746786	AA	GG	GG	URR	101508264	reticuline oxidase-like protein
SNP_1304B_7746938	Ca_Kabuli_Chr01	NC_021160.1	7746938	CC	AA	AA	URR	101508264	reticuline oxidase-like protein
SNP_1305B_7749545	Ca_Kabuli_Chr01	NC_021160.1	7749545	CC	GG	GG	INTERGENIC		
SNP_1306B_7749882	Ca_Kabuli_Chr01	NC_021160.1	7749882	AA	TT	TT	DRR	101506778	reticuline oxidase-like protein
SNP_1309B_7752405	Ca_Kabuli_Chr01	NC_021160.1	7752405	TT	CC	CC	INTERGENIC		
SNP_1310B_7752424	Ca_Kabuli_Chr01	NC_021160.1	7752424	GG	AA	AA	URR	101506778	reticuline oxidase-like protein
SNP_1311B_7752507	Ca_Kabuli_Chr01	NC_021160.1	7752507	AA	GG	GG	URR	101506778	reticuline oxidase-like protein
SNP_1312B_7752718	Ca_Kabuli_Chr01	NC_021160.1	7752718	CC	AA	AA	URR	101506778	reticuline oxidase-like protein
SNP_1313B_7752977	Ca_Kabuli_Chr01	NC_021160.1	7752977	GG	AA	AA	URR	101506778	reticuline oxidase-like protein
SNP_1314B_7753010	Ca_Kabuli_Chr01	NC_021160.1	7753010	TT	AA	AA	URR	101506778	reticuline oxidase-like protein
SNP_1315B_7753188	Ca_Kabuli_Chr01	NC_021160.1	7753188	TT	CC	CC	URR	101506778	reticuline oxidase-like protein
SNP_1316B_7753225	Ca_Kabuli_Chr01	NC_021160.1	7753225	AA	GG	GG	URR	101506778	reticuline oxidase-like protein
SNP_1317B_7753369	Ca_Kabuli_Chr01	NC_021160.1	7753369	TT	CC	CC	URR	101506778	reticuline oxidase-like protein
SNP_1318B_7753417	Ca_Kabuli_Chr01	NC_021160.1	7753417	TT	GG	GG	URR	101506778	reticuline oxidase-like protein
SNP_1319B_7753501	Ca_Kabuli_Chr01	NC_021160.1	7753501	TT	CC	CC	URR	101506778	reticuline oxidase-like protein
SNP_1320B_7753688	Ca_Kabuli_Chr01	NC_021160.1	7753688	GG	CC	CC	URR	101506778	reticuline oxidase-like protein
SNP_1321B_7753772	Ca_Kabuli_Chr01	NC_021160.1	7753772	TT	GG	GG	URR	101506778	reticuline oxidase-like protein
SNP_1322B_7753862	Ca_Kabuli_Chr01	NC_021160.1	7753862	TT	CC	CC	URR	101506778	reticuline oxidase-like protein

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1323B_7754607	Ca_Kabuli_Chr01	NC_021160.1	7754607	GG	AA	AA	INTERGENIC		
SNP_1324B_7756902	Ca_Kabuli_Chr01	NC_021160.1	7756902	GG	AA	AA	INTERGENIC		
SNP_1325B_7763378	Ca_Kabuli_Chr01	NC_021160.1	7763378	TT	AA	AA	INTERGENIC		
SNP_1326B_7773151	Ca_Kabuli_Chr01	NC_021160.1	7773151	TT	CC	CC	INTERGENIC		
SNP_1327B_7773183	Ca_Kabuli_Chr01	NC_021160.1	7773183	AA	GG	GG	INTERGENIC		
SNP_1328B_7774610	Ca_Kabuli_Chr01	NC_021160.1	7774610	AA	TT	TT	INTERGENIC		
SNP_1329B_7774982	Ca_Kabuli_Chr01	NC_021160.1	7774982	GG	AA	AA	INTERGENIC		
SNP_1330B_7775039	Ca_Kabuli_Chr01	NC_021160.1	7775039	GG	AA	AA	INTERGENIC		
SNP_1331B_7775342	Ca_Kabuli_Chr01	NC_021160.1	7775342	GG	TT	TT	INTERGENIC		
SNP_1332B_7776525	Ca_Kabuli_Chr01	NC_021160.1	7776525	AA	TT	TT	INTERGENIC		
SNP_1333B_7777823	Ca_Kabuli_Chr01	NC_021160.1	7777823	AA	TT	TT	DRR	101507115	reticuline oxidase-like protein
SNP_1334B_7777845	Ca_Kabuli_Chr01	NC_021160.1	7777845	AA	GG	GG	DRR	101507115	reticuline oxidase-like protein
SNP_1335B_7778082	Ca_Kabuli_Chr01	NC_021160.1	7778082	AA	GG	GG	DRR	101507115	reticuline oxidase-like protein
SNP_1336B_7778083	Ca_Kabuli_Chr01	NC_021160.1	7778083	CC	TT	TT	DRR	101507115	reticuline oxidase-like protein
SNP_1337B_7778874	Ca_Kabuli_Chr01	NC_021160.1	7778874	TT	CC	CC	SYNONYMOUS_CODING	101507115	reticuline oxidase-like protein
SNP_1338B_7778887	Ca_Kabuli_Chr01	NC_021160.1	7778887	TT	AA	AA	NON_SYNONYMOUS_CODING	101507115	reticuline oxidase-like protein
SNP_1339B_7778896	Ca_Kabuli_Chr01	NC_021160.1	7778896	CC	AA	AA	NON_SYNONYMOUS_CODING	101507115	reticuline oxidase-like protein
SNP_1340B_7786602	Ca_Kabuli_Chr01	NC_021160.1	7786602	CC	GG	GG	INTERGENIC		
SNP_1341B_7806052	Ca_Kabuli_Chr01	NC_021160.1	7806052	AA	GG	GG	INTERGENIC		
SNP_1342B_7806398	Ca_Kabuli_Chr01	NC_021160.1	7806398	CC	TT	TT	INTERGENIC		
SNP_1343B_7806612	Ca_Kabuli_Chr01	NC_021160.1	7806612	CC	TT	TT	INTERGENIC		
SNP_1344B_7807749	Ca_Kabuli_Chr01	NC_021160.1	7807749	GG	AA	AA	INTERGENIC		
SNP_1345B_7809854	Ca_Kabuli_Chr01	NC_021160.1	7809854	GG	AA	AA	URR	101507437	wall-associated receptor kinase-like 8
SNP_1347B_7819432	Ca_Kabuli_Chr01	NC_021160.1	7819432	CC	TT	TT	URR	101507742	uncharacterized LOC101507742

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1348B_7821433	Ca_Kabuli_Chr01	NC_021160.1	7821433	CC	AA	AA	INTRON	101508066	alpha-glucosidase
SNP_1349B_7821473	Ca_Kabuli_Chr01	NC_021160.1	7821473	GG	TT	TT	INTRON	101508066	alpha-glucosidase
SNP_1350B_7824652	Ca_Kabuli_Chr01	NC_021160.1	7824652	CC	GG	GG	URR	101508066	alpha-glucosidase
SNP_1351B_7840890	Ca_Kabuli_Chr01	NC_021160.1	7840890	TT	GG	GG	INTERGENIC		
SNP_1352B_7841694	Ca_Kabuli_Chr01	NC_021160.1	7841694	GG	AA	AA	URR	101508583	reticuline oxidase-like protein
SNP_1353B_7847161	Ca_Kabuli_Chr01	NC_021160.1	7847161	AA	GG	GG	SYNONYMOUS_CODING	101508898	reticuline oxidase-like protein
SNP_1354B_7884593	Ca_Kabuli_Chr01	NC_021160.1	7884593	CC	TT	TT	INTRON	101509214	patellin-4
SNP_1355B_7885370	Ca_Kabuli_Chr01	NC_021160.1	7885370	CC	AA	AA	INTRON	101509214	patellin-4
SNP_1356B_7888794	Ca_Kabuli_Chr01	NC_021160.1	7888794	TT	AA	AA	INTERGENIC		
SNP_1357B_7889746	Ca_Kabuli_Chr01	NC_021160.1	7889746	GG	AA	AA	INTERGENIC		
SNP_1358B_7889771	Ca_Kabuli_Chr01	NC_021160.1	7889771	GG	AA	AA	INTERGENIC		
SNP_1359B_7889796	Ca_Kabuli_Chr01	NC_021160.1	7889796	TT	CC	CC	INTERGENIC		
SNP_1360B_7893331	Ca_Kabuli_Chr01	NC_021160.1	7893331	GG	AA	AA	INTERGENIC		
SNP_1361B_7893334	Ca_Kabuli_Chr01	NC_021160.1	7893334	AA	CC	CC	INTERGENIC		
SNP_1362B_7893340	Ca_Kabuli_Chr01	NC_021160.1	7893340	TT	AA	AA	INTERGENIC		
SNP_1363B_7893350	Ca_Kabuli_Chr01	NC_021160.1	7893350	TT	AA	AA	INTERGENIC		
SNP_1364B_7893507	Ca_Kabuli_Chr01	NC_021160.1	7893507	CC	TT	TT	INTERGENIC		
SNP_1365B_7894076	Ca_Kabuli_Chr01	NC_021160.1	7894076	GG	AA	AA	DRR	101509540	uncharacterized LOC101509540
SNP_1366B_7895896	Ca_Kabuli_Chr01	NC_021160.1	7895896	CC	TT	TT	INTRON	101509540	uncharacterized LOC101509540
SNP_1367B_7898825	Ca_Kabuli_Chr01	NC_021160.1	7898825	CC	TT	TT	INTRON	101509540	uncharacterized LOC101509540
SNP_1368B_7900536	Ca_Kabuli_Chr01	NC_021160.1	7900536	CC	TT	TT	URR	101509540	uncharacterized LOC101509540
SNP_1369B_7905362	Ca_Kabuli_Chr01	NC_021160.1	7905362	AA	GG	GG	INTRON	101510295	primase homolog protein
SNP_1370B_7913584	Ca_Kabuli_Chr01	NC_021160.1	7913584	CC	TT	TT	INTRON	101510295	primase homolog protein
SNP_1371B_7913613	Ca_Kabuli_Chr01	NC_021160.1	7913613	AA	GG	GG	INTRON	101510295	primase homolog protein

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1373B_7914206	Ca_Kabuli_Chr01	NC_021160.1	7914206	TT	CC	CC	DRR	101510836	50S ribosomal protein L12, chloroplastic
SNP_1374B_7914223	Ca_Kabuli_Chr01	NC_021160.1	7914223	CC	TT	TT	DRR	101510836	50S ribosomal protein L12, chloroplastic
SNP_1375B_7914496	Ca_Kabuli_Chr01	NC_021160.1	7914496	GG	AA	AA	DRR	101510836	50S ribosomal protein L12, chloroplastic
SNP_1376B_7914503	Ca_Kabuli_Chr01	NC_021160.1	7914503	AA	GG	GG	DRR	101510836	50S ribosomal protein L12, chloroplastic
SNP_1377B_7914504	Ca_Kabuli_Chr01	NC_021160.1	7914504	AA	GG	GG	DRR	101510836	50S ribosomal protein L12, chloroplastic
SNP_1378B_7914513	Ca_Kabuli_Chr01	NC_021160.1	7914513	GG	TT	TT	DRR	101510836	50S ribosomal protein L12, chloroplastic
SNP_1379B_7917518	Ca_Kabuli_Chr01	NC_021160.1	7917518	AA	GG	GG	URR	101510836	50S ribosomal protein L12, chloroplastic
SNP_1380B_7917535	Ca_Kabuli_Chr01	NC_021160.1	7917535	CC	TT	TT	URR	101510836	50S ribosomal protein L12, chloroplastic
SNP_1381B_7917561	Ca_Kabuli_Chr01	NC_021160.1	7917561	AA	CC	CC	URR	101510836	50S ribosomal protein L12, chloroplastic
SNP_1382B_7917568	Ca_Kabuli_Chr01	NC_021160.1	7917568	CC	TT	TT	URR	101510836	50S ribosomal protein L12, chloroplastic
SNP_1384B_7932773	Ca_Kabuli_Chr01	NC_021160.1	7932773	CC	AA	AA	INTERGENIC		
SNP_1385B_7932774	Ca_Kabuli_Chr01	NC_021160.1	7932774	AA	TT	TT	INTERGENIC		
SNP_1387B_7940489	Ca_Kabuli_Chr01	NC_021160.1	7940489	CC	TT	TT	URR	101511792	telomere repeat-binding factor 1
SNP_1388B_7942609	Ca_Kabuli_Chr01	NC_021160.1	7942609	GG	AA	AA	INTERGENIC		
SNP_1389B_7942610	Ca_Kabuli_Chr01	NC_021160.1	7942610	TT	GG	GG	INTERGENIC		
SNP_1390B_7942923	Ca_Kabuli_Chr01	NC_021160.1	7942923	AA	GG	GG	INTERGENIC		
SNP_1391B_7942932	Ca_Kabuli_Chr01	NC_021160.1	7942932	AA	CC	CC	INTERGENIC		
SNP_1392B_7945914	Ca_Kabuli_Chr01	NC_021160.1	7945914	CC	TT	TT	URR	101511470	ent-kaurenoic acid oxidase 2-like
SNP_1393B_7946179	Ca_Kabuli_Chr01	NC_021160.1	7946179	TT	CC	CC	URR	101511470	ent-kaurenoic acid oxidase 2-like
SNP_1394B_7949554	Ca_Kabuli_Chr01	NC_021160.1	7949554	AA	TT	TT	INTERGENIC		
SNP_1395B_7950433	Ca_Kabuli_Chr01	NC_021160.1	7950433	CC	GG	GG	INTRON	101512107	ent-kaurenoic acid oxidase 2-like
SNP_1396B_7950460	Ca_Kabuli_Chr01	NC_021160.1	7950460	CC	GG	GG	INTRON	101512107	ent-kaurenoic acid oxidase 2-like
SNP_1397B_7950482	Ca_Kabuli_Chr01	NC_021160.1	7950482	CC	GG	GG	INTRON	101512107	ent-kaurenoic acid oxidase 2-like
SNP_1398B_7950489	Ca_Kabuli_Chr01	NC_021160.1	7950489	AA	CC	CC	INTRON	101512107	ent-kaurenoic acid oxidase 2-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1399B_7952948	Ca_Kabuli_Chr01	NC_021160.1	7952948	GG	AA	AA	INTRON	101512107	ent-kaurenoic acid oxidase 2-like
SNP_1400B_7953083	Ca_Kabuli_Chr01	NC_021160.1	7953083	AA	TT	TT	INTRON	101512107	ent-kaurenoic acid oxidase 2-like
SNP_1401B_7953194	Ca_Kabuli_Chr01	NC_021160.1	7953194	CC	TT	TT	INTRON	101512107	ent-kaurenoic acid oxidase 2-like
SNP_1402B_7953219	Ca_Kabuli_Chr01	NC_021160.1	7953219	CC	GG	GG	INTRON	101512107	ent-kaurenoic acid oxidase 2-like
SNP_1403B_7957684	Ca_Kabuli_Chr01	NC_021160.1	7957684	CC	GG	GG	URR	101512107	ent-kaurenoic acid oxidase 2-like
SNP_1404B_7967835	Ca_Kabuli_Chr01	NC_021160.1	7967835	TT	CC	CC	DRR	101512667	50S ribosomal protein L12, chloroplastic-like
SNP_1405B_7968051	Ca_Kabuli_Chr01	NC_021160.1	7968051	GG	TT	TT	DRR	101512667	50S ribosomal protein L12, chloroplastic-like
SNP_1406B_7970041	Ca_Kabuli_Chr01	NC_021160.1	7970041	TT	AA	AA	URR	101512667	50S ribosomal protein L12, chloroplastic-like
SNP_1407B_7970055	Ca_Kabuli_Chr01	NC_021160.1	7970055	AA	GG	GG	URR	101512667	50S ribosomal protein L12, chloroplastic-like
SNP_1408B_7974729	Ca_Kabuli_Chr01	NC_021160.1	7974729	CC	TT	TT	INTERGENIC		
SNP_1409B_7975670	Ca_Kabuli_Chr01	NC_021160.1	7975670	AA	GG	GG	INTERGENIC		
SNP_1410B_7980328	Ca_Kabuli_Chr01	NC_021160.1	7980328	AA	GG	GG	INTRON	101513202	uncharacterized oxidoreductase C24B10.20
SNP_1411B_7980333	Ca_Kabuli_Chr01	NC_021160.1	7980333	AA	GG	GG	INTRON	101513202	uncharacterized oxidoreductase C24B10.20
SNP_1412B_7980458	Ca_Kabuli_Chr01	NC_021160.1	7980458	GG	CC	CC	INTRON	101513202	uncharacterized oxidoreductase C24B10.20
SNP_1413B_7980488	Ca_Kabuli_Chr01	NC_021160.1	7980488	TT	CC	CC	INTRON	101513202	uncharacterized oxidoreductase C24B10.20
SNP_1414B_7981667	Ca_Kabuli_Chr01	NC_021160.1	7981667	TT	GG	GG	URR	101513202	uncharacterized oxidoreductase C24B10.20
SNP_1415B_7981693	Ca_Kabuli_Chr01	NC_021160.1	7981693	GG	AA	AA	URR	101513202	uncharacterized oxidoreductase C24B10.20
SNP_1416B_7981912	Ca_Kabuli_Chr01	NC_021160.1	7981912	AA	TT	TT	URR	101513202	uncharacterized oxidoreductase C24B10.20
SNP_1417B_7981917	Ca_Kabuli_Chr01	NC_021160.1	7981917	CC	TT	TT	URR	101513202	uncharacterized oxidoreductase C24B10.20
SNP_1418B_7987970	Ca_Kabuli_Chr01	NC_021160.1	7987970	TT	AA	AA	DRR	101513524	probable WRKY transcription factor 14
SNP_1419B_7988004	Ca_Kabuli_Chr01	NC_021160.1	7988004	AA	TT	TT	DRR	101513524	probable WRKY transcription factor 14
SNP_1421B_7988403	Ca_Kabuli_Chr01	NC_021160.1	7988403	CC	AA	AA	DRR	101513524	probable WRKY transcription factor 14
SNP_1423B_7994727	Ca_Kabuli_Chr01	NC_021160.1	7994727	AA	GG	GG	URR	101513524	probable WRKY transcription factor 14
SNP_1424B_7995640	Ca_Kabuli_Chr01	NC_021160.1	7995640	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1425B_7995648	Ca_Kabuli_Chr01	NC_021160.1	7995648	CC	TT	TT	INTERGENIC		
SNP_1426B_7995669	Ca_Kabuli_Chr01	NC_021160.1	7995669	TT	CC	CC	INTERGENIC		
SNP_1429B_7995912	Ca_Kabuli_Chr01	NC_021160.1	7995912	CC	TT	TT	INTERGENIC		
SNP_1430B_7996372	Ca_Kabuli_Chr01	NC_021160.1	7996372	TT	CC	CC	INTERGENIC		
SNP_1431B_8003616	Ca_Kabuli_Chr01	NC_021160.1	8003616	AA	TT	TT	INTERGENIC		
SNP_1433B_8003897	Ca_Kabuli_Chr01	NC_021160.1	8003897	AA	CC	CC	INTERGENIC		
SNP_1434B_8004041	Ca_Kabuli_Chr01	NC_021160.1	8004041	GG	AA	AA	INTERGENIC		
SNP_1436B_8005090	Ca_Kabuli_Chr01	NC_021160.1	8005090	GG	CC	CC	INTERGENIC		
SNP_1437B_8009657	Ca_Kabuli_Chr01	NC_021160.1	8009657	AA	CC	CC	DRR	101513831	cell division control protein 2 homolog 1
SNP_1438B_8011033	Ca_Kabuli_Chr01	NC_021160.1	8011033	CC	TT	TT	INTRON	101513831	cell division control protein 2 homolog 1
SNP_1439B_8011349	Ca_Kabuli_Chr01	NC_021160.1	8011349	TT	CC	CC	INTRON	101513831	cell division control protein 2 homolog 1
SNP_1440B_8011546	Ca_Kabuli_Chr01	NC_021160.1	8011546	AA	TT	TT	INTRON	101513831	cell division control protein 2 homolog 1
SNP_1441B_8012757	Ca_Kabuli_Chr01	NC_021160.1	8012757	CC	TT	TT	INTRON	101513831	cell division control protein 2 homolog 1
SNP_1442B_8017989	Ca_Kabuli_Chr01	NC_021160.1	8017989	AA	GG	GG	URR	101513831	cell division control protein 2 homolog 1
SNP_1443B_8018001	Ca_Kabuli_Chr01	NC_021160.1	8018001	AA	GG	GG	URR	101513831	cell division control protein 2 homolog 1
SNP_1444B_8018011	Ca_Kabuli_Chr01	NC_021160.1	8018011	TT	AA	AA	URR	101513831	cell division control protein 2 homolog 1
SNP_1446B_8018054	Ca_Kabuli_Chr01	NC_021160.1	8018054	AA	TT	TT	URR	101513831	cell division control protein 2 homolog 1
SNP_1448B_8018330	Ca_Kabuli_Chr01	NC_021160.1	8018330	AA	GG	GG	URR	101513831	cell division control protein 2 homolog 1
SNP_1449B_8018348	Ca_Kabuli_Chr01	NC_021160.1	8018348	AA	CC	CC	URR	101513831	cell division control protein 2 homolog 1
SNP_1450B_8018402	Ca_Kabuli_Chr01	NC_021160.1	8018402	GG	AA	AA	URR	101513831	cell division control protein 2 homolog 1
SNP_1451B_8019335	Ca_Kabuli_Chr01	NC_021160.1	8019335	TT	CC	CC	INTERGENIC		
SNP_1453B_8020378	Ca_Kabuli_Chr01	NC_021160.1	8020378	TT	CC	CC	INTERGENIC		
SNP_1454B_8020616	Ca_Kabuli_Chr01	NC_021160.1	8020616	TT	CC	CC	INTERGENIC		
SNP_1455B_8023974	Ca_Kabuli_Chr01	NC_021160.1	8023974	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1456B_8025831	Ca_Kabuli_Chr01	NC_021160.1	8025831	CC	AA	AA	INTERGENIC		
SNP_1457B_8025871	Ca_Kabuli_Chr01	NC_021160.1	8025871	GG	AA	AA	INTERGENIC		
SNP_1458B_8029980	Ca_Kabuli_Chr01	NC_021160.1	8029980	CC	TT	TT	INTERGENIC		
SNP_1459B_8029990	Ca_Kabuli_Chr01	NC_021160.1	8029990	AA	GG	GG	INTERGENIC		
SNP_1460B_8030027	Ca_Kabuli_Chr01	NC_021160.1	8030027	AA	GG	GG	INTERGENIC		
SNP_1461B_8030943	Ca_Kabuli_Chr01	NC_021160.1	8030943	TT	CC	CC	INTERGENIC		
SNP_1465B_8038220	Ca_Kabuli_Chr01	NC_021160.1	8038220	TT	GG	GG	URR	101514177	UDP-arabinose 4-epimerase 1
SNP_1466B_8041056	Ca_Kabuli_Chr01	NC_021160.1	8041056	AA	TT	TT	URR	101509215	Unknown function
SNP_1467B_8041076	Ca_Kabuli_Chr01	NC_021160.1	8041076	CC	AA	AA	URR	101509215	Unknown function
SNP_1469B_8041334	Ca_Kabuli_Chr01	NC_021160.1	8041334	GG	CC	CC	URR	101509215	Unknown function
SNP_1471B_8041935	Ca_Kabuli_Chr01	NC_021160.1	8041935	TT	CC	CC	URR	101509215	Unknown function
SNP_1472B_8042899	Ca_Kabuli_Chr01	NC_021160.1	8042899	CC	TT	TT	URR	101509215	Unknown function
SNP_1473B_8045139	Ca_Kabuli_Chr01	NC_021160.1	8045139	GG	TT	TT	DRR	101514501	coatomer subunit epsilon-1-like
SNP_1474B_8048269	Ca_Kabuli_Chr01	NC_021160.1	8048269	TT	AA	AA	INTRON	101514501	coatomer subunit epsilon-1-like
SNP_1475B_8048270	Ca_Kabuli_Chr01	NC_021160.1	8048270	TT	AA	AA	INTRON	101514501	coatomer subunit epsilon-1-like
SNP_1476B_8048271	Ca_Kabuli_Chr01	NC_021160.1	8048271	TT	AA	AA	INTRON	101514501	coatomer subunit epsilon-1-like
SNP_1477B_8054262	Ca_Kabuli_Chr01	NC_021160.1	8054262	CC	TT	TT	URR	101509541	Unknown function
SNP_1478B_8062380	Ca_Kabuli_Chr01	NC_021160.1	8062380	TT	CC	CC	DRR	101514822	heat shock cognate 70 kDa protein-like
SNP_1479B_8062413	Ca_Kabuli_Chr01	NC_021160.1	8062413	TT	CC	CC	DRR	101514822	heat shock cognate 70 kDa protein-like
SNP_1480B_8062493	Ca_Kabuli_Chr01	NC_021160.1	8062493	CC	TT	TT	DRR	101514822	heat shock cognate 70 kDa protein-like
SNP_1481B_8062494	Ca_Kabuli_Chr01	NC_021160.1	8062494	TT	GG	GG	DRR	101514822	heat shock cognate 70 kDa protein-like
SNP_1482B_8062746	Ca_Kabuli_Chr01	NC_021160.1	8062746	GG	AA	AA	DRR	101514822	heat shock cognate 70 kDa protein-like
SNP_1484B_8088337	Ca_Kabuli_Chr01	NC_021160.1	8088337	TT	AA	AA	INTERGENIC		
SNP_1485B_8094323	Ca_Kabuli_Chr01	NC_021160.1	8094323	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1486B_8106699	Ca_Kabuli_Chr01	NC_021160.1	8106699	GG	AA	AA	DRR	101488221	DEAD-box ATP-dependent RNA helicase 46
SNP_1487B_8106999	Ca_Kabuli_Chr01	NC_021160.1	8106999	CC	TT	TT	DRR	101488221	DEAD-box ATP-dependent RNA helicase 46
SNP_1488B_8117942	Ca_Kabuli_Chr01	NC_021160.1	8117942	TT	CC	CC	DRR	101488552	uncharacterized LOC101488552
SNP_1489B_8118063	Ca_Kabuli_Chr01	NC_021160.1	8118063	GG	AA	AA	DRR	101488552	uncharacterized LOC101488552
SNP_1490B_8118064	Ca_Kabuli_Chr01	NC_021160.1	8118064	GG	AA	AA	DRR	101488552	uncharacterized LOC101488552
SNP_1491B_8121710	Ca_Kabuli_Chr01	NC_021160.1	8121710	AA	TT	TT	INTRON	101488552	uncharacterized LOC101488552
SNP_1492B_8123865	Ca_Kabuli_Chr01	NC_021160.1	8123865	TT	GG	GG	URR	101488552	uncharacterized LOC101488552
SNP_1493B_8123877	Ca_Kabuli_Chr01	NC_021160.1	8123877	TT	CC	CC	URR	101488552	uncharacterized LOC101488552
SNP_1494B_8124667	Ca_Kabuli_Chr01	NC_021160.1	8124667	TT	CC	CC	URR	101488552	uncharacterized LOC101488552
SNP_1495B_8124679	Ca_Kabuli_Chr01	NC_021160.1	8124679	GG	AA	AA	URR	101488552	uncharacterized LOC101488552
SNP_1496B_8124713	Ca_Kabuli_Chr01	NC_021160.1	8124713	AA	GG	GG	URR	101488552	uncharacterized LOC101488552
SNP_1497B_8124754	Ca_Kabuli_Chr01	NC_021160.1	8124754	GG	AA	AA	URR	101488552	uncharacterized LOC101488552
SNP_1498B_8125002	Ca_Kabuli_Chr01	NC_021160.1	8125002	GG	AA	AA	URR	101488552	uncharacterized LOC101488552
SNP_1499B_8125515	Ca_Kabuli_Chr01	NC_021160.1	8125515	AA	CC	CC	URR	101488552	uncharacterized LOC101488552
SNP_1500B_8126188	Ca_Kabuli_Chr01	NC_021160.1	8126188	AA	TT	TT	DRR	101489009	probable boron transporter 2
SNP_1501B_8126199	Ca_Kabuli_Chr01	NC_021160.1	8126199	AA	TT	TT	DRR	101489009	probable boron transporter 2
SNP_1502B_8127143	Ca_Kabuli_Chr01	NC_021160.1	8127143	TT	CC	CC	DRR	101489009	probable boron transporter 2
SNP_1503B_8127802	Ca_Kabuli_Chr01	NC_021160.1	8127802	CC	AA	AA	INTERGENIC		
SNP_1504B_8127840	Ca_Kabuli_Chr01	NC_021160.1	8127840	TT	CC	CC	INTERGENIC		
SNP_1505B_8130119	Ca_Kabuli_Chr01	NC_021160.1	8130119	AA	TT	TT	INTERGENIC		
SNP_1506B_8130303	Ca_Kabuli_Chr01	NC_021160.1	8130303	GG	AA	AA	INTERGENIC		
SNP_1508B_8131499	Ca_Kabuli_Chr01	NC_021160.1	8131499	TT	CC	CC	INTERGENIC		
SNP_1509B_8136614	Ca_Kabuli_Chr01	NC_021160.1	8136614	TT	CC	CC	DRR	101489863	polygalacturonase At1g48100-like
SNP_1510B_8136615	Ca_Kabuli_Chr01	NC_021160.1	8136615	CC	TT	TT	DRR	101489863	polygalacturonase At1g48100-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1511B_8136824	Ca_Kabuli_Chr01	NC_021160.1	8136824	AA	TT	TT	DRR	101489863	polygalacturonase At1g48100-like
SNP_1512B_8136977	Ca_Kabuli_Chr01	NC_021160.1	8136977	CC	TT	TT	DRR	101489863	polygalacturonase At1g48100-like
SNP_1513B_8143745	Ca_Kabuli_Chr01	NC_021160.1	8143745	CC	TT	TT	INTRON	101489863	polygalacturonase At1g48100-like
SNP_1514B_8151197	Ca_Kabuli_Chr01	NC_021160.1	8151197	AA	GG	GG	INTERGENIC		
SNP_1515B_8159777	Ca_Kabuli_Chr01	NC_021160.1	8159777	AA	GG	GG	INTERGENIC		
SNP_1516B_8170936	Ca_Kabuli_Chr01	NC_021160.1	8170936	TT	CC	CC	INTERGENIC		
SNP_1517B_8180770	Ca_Kabuli_Chr01	NC_021160.1	8180770	AA	GG	GG	INTERGENIC		
SNP_1518B_8193461	Ca_Kabuli_Chr01	NC_021160.1	8193461	CC	AA	AA	URR	101490519	30S ribosomal protein S1, chloroplastic
SNP_1519B_8197698	Ca_Kabuli_Chr01	NC_021160.1	8197698	AA	TT	TT	INTRON	NEMF	Unknown function
SNP_1520B_8281005	Ca_Kabuli_Chr01	NC_021160.1	8281005	TT	CC	CC	INTERGENIC		
SNP_1521B_8318379	Ca_Kabuli_Chr01	NC_021160.1	8318379	GG	AA	AA	URR	101510837	Unknown function
SNP_1522B_8336331	Ca_Kabuli_Chr01	NC_021160.1	8336331	TT	GG	GG	INTERGENIC		
SNP_1523B_8336335	Ca_Kabuli_Chr01	NC_021160.1	8336335	TT	GG	GG	INTERGENIC		
SNP_1524B_8427606	Ca_Kabuli_Chr01	NC_021160.1	8427606	TT	GG	GG	INTERGENIC		
SNP_1525B_8427825	Ca_Kabuli_Chr01	NC_021160.1	8427825	CC	TT	TT	INTERGENIC		
SNP_1526B_8428083	Ca_Kabuli_Chr01	NC_021160.1	8428083	TT	CC	CC	INTERGENIC		
SNP_1527B_8428095	Ca_Kabuli_Chr01	NC_021160.1	8428095	AA	GG	GG	INTERGENIC		
SNP_1528B_8428141	Ca_Kabuli_Chr01	NC_021160.1	8428141	TT	CC	CC	INTERGENIC		
SNP_1530B_8434679	Ca_Kabuli_Chr01	NC_021160.1	8434679	TT	CC	CC	INTERGENIC		
SNP_1531B_8434873	Ca_Kabuli_Chr01	NC_021160.1	8434873	CC	TT	TT	INTERGENIC		
SNP_1532B_8434909	Ca_Kabuli_Chr01	NC_021160.1	8434909	GG	TT	TT	INTERGENIC		
SNP_1533B_8434995	Ca_Kabuli_Chr01	NC_021160.1	8434995	AA	GG	GG	DRR	101512756	uncharacterized LOC101512756
SNP_1534B_8435015	Ca_Kabuli_Chr01	NC_021160.1	8435015	GG	AA	AA	DRR	101512756	uncharacterized LOC101512756
SNP_1535B_8435018	Ca_Kabuli_Chr01	NC_021160.1	8435018	AA	GG	GG	DRR	101512756	uncharacterized LOC101512756

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1536B_8435167	Ca_Kabuli_Chr01	NC_021160.1	8435167	GG	AA	AA	DRR	101512756	uncharacterized LOC101512756
SNP_1538B_8558380	Ca_Kabuli_Chr01	NC_021160.1	8558380	CC	GG	GG	INTERGENIC		
SNP_1539B_8566494	Ca_Kabuli_Chr01	NC_021160.1	8566494	CC	GG	GG	INTERGENIC		
SNP_1540B_8575110	Ca_Kabuli_Chr01	NC_021160.1	8575110	AA	CC	CC	INTERGENIC		
SNP_1541B_8659427	Ca_Kabuli_Chr01	NC_021160.1	8659427	TT	CC	CC	INTERGENIC		
SNP_1542B_8659443	Ca_Kabuli_Chr01	NC_021160.1	8659443	GG	TT	TT	INTERGENIC		
SNP_1543B_8659875	Ca_Kabuli_Chr01	NC_021160.1	8659875	GG	AA	AA	INTERGENIC		
SNP_1544B_8660773	Ca_Kabuli_Chr01	NC_021160.1	8660773	CC	TT	TT	INTERGENIC		
SNP_1545B_8661179	Ca_Kabuli_Chr01	NC_021160.1	8661179	AA	GG	GG	INTERGENIC		
SNP_1546B_8661667	Ca_Kabuli_Chr01	NC_021160.1	8661667	AA	GG	GG	INTERGENIC		
SNP_1547B_8714406	Ca_Kabuli_Chr01	NC_021160.1	8714406	TT	AA	AA	DRR	101490520	pectinesterase 3-like
SNP_1548B_8835306	Ca_Kabuli_Chr01	NC_021160.1	8835306	CC	TT	TT	INTERGENIC		
SNP_1549B_8879006	Ca_Kabuli_Chr01	NC_021160.1	8879006	AA	GG	GG	INTRON	101499298	Golgi SNAP receptor complex member 1-1
SNP_1550B_8984325	Ca_Kabuli_Chr01	NC_021160.1	8984325	TT	CC	CC	INTERGENIC		
SNP_1551B_9013283	Ca_Kabuli_Chr01	NC_021160.1	9013283	AA	GG	GG	INTERGENIC		
SNP_1552B_9082410	Ca_Kabuli_Chr01	NC_021160.1	9082410	GG	AA	AA	DRR	101511160	PTI1-like tyrosine-protein kinase At3g15890
SNP_1554B_9148295	Ca_Kabuli_Chr01	NC_021160.1	9148295	AA	CC	CC	INTERGENIC		
SNP_1556B_9232817	Ca_Kabuli_Chr01	NC_021160.1	9232817	CC	TT	TT	INTERGENIC		
SNP_1557B_9233030	Ca_Kabuli_Chr01	NC_021160.1	9233030	AA	CC	CC	INTERGENIC		
SNP_1558B_9233050	Ca_Kabuli_Chr01	NC_021160.1	9233050	TT	CC	CC	INTERGENIC		
SNP_1559B_9233058	Ca_Kabuli_Chr01	NC_021160.1	9233058	TT	CC	CC	INTERGENIC		
SNP_1560B_9233093	Ca_Kabuli_Chr01	NC_021160.1	9233093	CC	TT	TT	INTERGENIC		
SNP_1561B_9233104	Ca_Kabuli_Chr01	NC_021160.1	9233104	CC	TT	TT	INTERGENIC		
SNP_1562B_9233276	Ca_Kabuli_Chr01	NC_021160.1	9233276	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1563B_9233305	Ca_Kabuli_Chr01	NC_021160.1	9233305	CC	TT	TT	INTERGENIC		
SNP_1564B_9233316	Ca_Kabuli_Chr01	NC_021160.1	9233316	TT	CC	CC	INTERGENIC		
SNP_1565B_9233391	Ca_Kabuli_Chr01	NC_021160.1	9233391	TT	CC	CC	INTERGENIC		
SNP_1566B_9233489	Ca_Kabuli_Chr01	NC_021160.1	9233489	GG	AA	AA	INTERGENIC		
SNP_1567B_9233679	Ca_Kabuli_Chr01	NC_021160.1	9233679	GG	AA	AA	INTERGENIC		
SNP_1568B_9233682	Ca_Kabuli_Chr01	NC_021160.1	9233682	GG	TT	TT	INTERGENIC		
SNP_1569B_9233913	Ca_Kabuli_Chr01	NC_021160.1	9233913	TT	AA	AA	INTERGENIC		
SNP_1570B_9233918	Ca_Kabuli_Chr01	NC_021160.1	9233918	TT	AA	AA	INTERGENIC		
SNP_1571B_9233999	Ca_Kabuli_Chr01	NC_021160.1	9233999	TT	CC	CC	INTERGENIC		
SNP_1572B_9236408	Ca_Kabuli_Chr01	NC_021160.1	9236408	TT	GG	GG	INTERGENIC		
SNP_1573B_9356955	Ca_Kabuli_Chr01	NC_021160.1	9356955	TT	CC	CC	INTERGENIC		
SNP_1574B_9511719	Ca_Kabuli_Chr01	NC_021160.1	9511719	TT	CC	CC	INTRON	101498534	gibberellin 3-beta-dioxygenase 1
SNP_1575B_9526471	Ca_Kabuli_Chr01	NC_021160.1	9526471	TT	AA	AA	INTERGENIC		
SNP_1576B_9526474	Ca_Kabuli_Chr01	NC_021160.1	9526474	TT	GG	GG	INTERGENIC		
SNP_1577B_9614091	Ca_Kabuli_Chr01	NC_021160.1	9614091	GG	TT	TT	URR	101502055	coatomer subunit beta'-2-like
SNP_1578B_9687150	Ca_Kabuli_Chr01	NC_021160.1	9687150	AA	GG	GG	INTERGENIC		
SNP_1579B_9761975	Ca_Kabuli_Chr01	NC_021160.1	9761975	TT	AA	AA	INTERGENIC		
SNP_1580B_9774720	Ca_Kabuli_Chr01	NC_021160.1	9774720	AA	GG	GG	URR	101494832	zinc finger protein 1-like
SNP_1581B_9821582	Ca_Kabuli_Chr01	NC_021160.1	9821582	TT	AA	AA	INTERGENIC		
SNP_1583B_9874192	Ca_Kabuli_Chr01	NC_021160.1	9874192	TT	AA	AA	INTRON	101488669	pentatricopeptide repeat-containing protein At3g22470, mitochondrial-like
SNP_1584B_9882598	Ca_Kabuli_Chr01	NC_021160.1	9882598	TT	CC	CC	DRR	101489661	zinc phosphodiesterase ELAC protein 2
SNP_1585B_9947980	Ca_Kabuli_Chr01	NC_021160.1	9947980	CC	TT	TT	INTERGENIC		
SNP_1586B_9967265	Ca_Kabuli_Chr01	NC_021160.1	9967265	GG	AA	AA	URR	101493777	uncharacterized LOC101493777
SNP_1587B_10036603	Ca_Kabuli_Chr01	NC_021160.1	10036603	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1589B_10077249	Ca_Kabuli_Chr01	NC_021160.1	10077249	TT	AA	AA	INTERGENIC		
SNP_1590B_10090731	Ca_Kabuli_Chr01	NC_021160.1	10090731	AA	CC	CC	URR	101497112	inorganic pyrophosphatase 2-like
SNP_1591B_10116349	Ca_Kabuli_Chr01	NC_021160.1	10116349	TT	CC	CC	URR	101497780	60S ribosomal protein L27-like
SNP_1592B_10116353	Ca_Kabuli_Chr01	NC_021160.1	10116353	AA	GG	GG	URR	101497780	60S ribosomal protein L27-like
SNP_1593B_10256061	Ca_Kabuli_Chr01	NC_021160.1	10256061	AA	GG	GG	INTERGENIC		
SNP_1595B_10285446	Ca_Kabuli_Chr01	NC_021160.1	10285446	CC	TT	TT	URR	101506781	phospholipase D epsilon
SNP_1596B_10345078	Ca_Kabuli_Chr01	NC_021160.1	10345078	CC	AA	AA	URR	101510513	receptor-like serine/threonine-protein kinase ALE2
SNP_1597B_10345118	Ca_Kabuli_Chr01	NC_021160.1	10345118	CC	TT	TT	URR	101510513	receptor-like serine/threonine-protein kinase ALE2
SNP_1598B_10367101	Ca_Kabuli_Chr01	NC_021160.1	10367101	AA	GG	GG	INTERGENIC		
SNP_1599B_10418064	Ca_Kabuli_Chr01	NC_021160.1	10418064	TT	GG	GG	INTRON	101513729	glyoxylate/succinic semialdehyde reductase 2, chloroplastic-like
SNP_1600B_10418082	Ca_Kabuli_Chr01	NC_021160.1	10418082	CC	TT	TT	INTRON	101513729	glyoxylate/succinic semialdehyde reductase 2, chloroplastic-like
SNP_1601B_10418100	Ca_Kabuli_Chr01	NC_021160.1	10418100	AA	TT	TT	INTRON	101513729	glyoxylate/succinic semialdehyde reductase 2, chloroplastic-like
SNP_1603B_10489931	Ca_Kabuli_Chr01	NC_021160.1	10489931	AA	TT	TT	URR	101489457	casein kinase I isoform delta-like
SNP_1604B_10508424	Ca_Kabuli_Chr01	NC_021160.1	10508424	TT	GG	GG	INTRON	101490743	telomere repeat-binding factor 4-like
SNP_1605B_10577389	Ca_Kabuli_Chr01	NC_021160.1	10577389	TT	CC	CC	INTRON	101493247	polyadenylate-binding protein-interacting protein 3-like
SNP_1606B_10586902	Ca_Kabuli_Chr01	NC_021160.1	10586902	CC	AA	AA	INTERGENIC		
SNP_1607B_10732181	Ca_Kabuli_Chr01	NC_021160.1	10732181	AA	GG	GG	URR	101506782	B-box zinc finger protein 25-like
SNP_1608B_10756172	Ca_Kabuli_Chr01	NC_021160.1	10756172	GG	AA	AA	DRR	101410603	transfer RNA serine (anticodon GCU)
SNP_1609B_10829213	Ca_Kabuli_Chr01	NC_021160.1	10829213	TT	CC	CC	INTERGENIC		
SNP_1610B_10856530	Ca_Kabuli_Chr01	NC_021160.1	10856530	TT	CC	CC	INTRON	101513835	beta-glucosidase 12-like
SNP_1611B_10856558	Ca_Kabuli_Chr01	NC_021160.1	10856558	AA	CC	CC	INTRON	101513835	beta-glucosidase 12-like
SNP_1612B_10856593	Ca_Kabuli_Chr01	NC_021160.1	10856593	AA	GG	GG	INTRON	101513835	beta-glucosidase 12-like
SNP_1613B_10856616	Ca_Kabuli_Chr01	NC_021160.1	10856616	TT	GG	GG	INTRON	101513835	beta-glucosidase 12-like
SNP_1614B_10856841	Ca_Kabuli_Chr01	NC_021160.1	10856841	AA	GG	GG	INTRON	101513835	beta-glucosidase 12-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1615B_10856862	Ca_Kabuli_Chr01	NC_021160.1	10856862	AA	GG	GG	INTRON	101513835	beta-glucosidase 12-like
SNP_1616B_10867095	Ca_Kabuli_Chr01	NC_021160.1	10867095	CC	TT	TT	URR	101514181	DNA topoisomerase 6 subunit B-like
SNP_1617B_10916473	Ca_Kabuli_Chr01	NC_021160.1	10916473	TT	CC	CC	URR	101501944	G2/mitotic-specific cyclin-1-like
SNP_1618B_10936167	Ca_Kabuli_Chr01	NC_021160.1	10936167	AA	TT	TT	INTERGENIC		
SNP_1619B_11112572	Ca_Kabuli_Chr01	NC_021160.1	11112572	AA	CC	CC	URR	101494934	Unknown function
SNP_1620B_11176118	Ca_Kabuli_Chr01	NC_021160.1	11176118	CC	AA	AA	URR	101498980	uncharacterized LOC101498980
SNP_1622B_11217838	Ca_Kabuli_Chr01	NC_021160.1	11217838	AA	GG	GG	INTERGENIC		
SNP_1623B_11217846	Ca_Kabuli_Chr01	NC_021160.1	11217846	TT	CC	CC	INTERGENIC		
SNP_1624B_11218110	Ca_Kabuli_Chr01	NC_021160.1	11218110	CC	TT	TT	INTERGENIC		
SNP_1625B_11218149	Ca_Kabuli_Chr01	NC_021160.1	11218149	TT	CC	CC	INTERGENIC		
SNP_1626B_11255784	Ca_Kabuli_Chr01	NC_021160.1	11255784	TT	CC	CC	INTERGENIC		
SNP_1627B_11297868	Ca_Kabuli_Chr01	NC_021160.1	11297868	AA	TT	TT	INTERGENIC		
SNP_1628B_11301553	Ca_Kabuli_Chr01	NC_021160.1	11301553	TT	GG	GG	INTERGENIC		
SNP_1629B_11302753	Ca_Kabuli_Chr01	NC_021160.1	11302753	CC	TT	TT	INTERGENIC		
SNP_1630B_11347294	Ca_Kabuli_Chr01	NC_021160.1	11347294	CC	TT	TT	INTERGENIC		
SNP_1631B_11383103	Ca_Kabuli_Chr01	NC_021160.1	11383103	AA	GG	GG	INTERGENIC		
SNP_1632B_11415195	Ca_Kabuli_Chr01	NC_021160.1	11415195	AA	GG	GG	URR	101510299	actin-like
SNP_1633B_11415378	Ca_Kabuli_Chr01	NC_021160.1	11415378	TT	CC	CC	URR	101510299	actin-like
SNP_1634B_11466924	Ca_Kabuli_Chr01	NC_021160.1	11466924	TT	CC	CC	INTRON	101504850	uncharacterized LOC101504850
SNP_1636B_11570566	Ca_Kabuli_Chr01	NC_021160.1	11570566	GG	AA	AA	INTERGENIC		
SNP_1637B_11651637	Ca_Kabuli_Chr01	NC_021160.1	11651637	GG	AA	AA	DRR	101492015	3-ketoacyl-CoA synthase 12-like
SNP_1638B_11668944	Ca_Kabuli_Chr01	NC_021160.1	11668944	TT	CC	CC	INTERGENIC		
SNP_1641B_11945747	Ca_Kabuli_Chr01	NC_021160.1	11945747	CC	TT	TT	INTERGENIC		
SNP_1642B_12110121	Ca_Kabuli_Chr01	NC_021160.1	12110121	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1645B_12260585	Ca_Kabuli_Chr01	NC_021160.1	12260585	TT	GG	GG	INTERGENIC		
SNP_1646B_12365816	Ca_Kabuli_Chr01	NC_021160.1	12365816	CC	TT	TT	INTERGENIC		
SNP_1647B_12372332	Ca_Kabuli_Chr01	NC_021160.1	12372332	GG	CC	CC	INTERGENIC		
SNP_1648B_12377270	Ca_Kabuli_Chr01	NC_021160.1	12377270	TT	CC	CC	INTERGENIC		
SNP_1650B_12422552	Ca_Kabuli_Chr01	NC_021160.1	12422552	AA	GG	GG	INTERGENIC		
SNP_1651B_12465301	Ca_Kabuli_Chr01	NC_021160.1	12465301	CC	TT	TT	URR	101496025	protein BCCIP homolog
SNP_1652B_12531507	Ca_Kabuli_Chr01	NC_021160.1	12531507	AA	TT	TT	INTRON	101497653	ethylene-responsive transcription factor RAP2-7-like
SNP_1654B_12551793	Ca_Kabuli_Chr01	NC_021160.1	12551793	AA	GG	GG	INTERGENIC		
SNP_1655B_12572939	Ca_Kabuli_Chr01	NC_021160.1	12572939	TT	CC	CC	INTERGENIC		
SNP_1656B_12616099	Ca_Kabuli_Chr01	NC_021160.1	12616099	AA	GG	GG	URR	101499419	protein LIGHT-DEPENDENT SHORT HYPOCOTYLS 10-like
SNP_1657B_12629456	Ca_Kabuli_Chr01	NC_021160.1	12629456	TT	CC	CC	INTERGENIC		
SNP_1658B_12630751	Ca_Kabuli_Chr01	NC_021160.1	12630751	TT	GG	GG	INTERGENIC		
SNP_1659B_12631249	Ca_Kabuli_Chr01	NC_021160.1	12631249	GG	TT	TT	INTERGENIC		
SNP_1661B_12644747	Ca_Kabuli_Chr01	NC_021160.1	12644747	AA	GG	GG	INTERGENIC		
SNP_1662B_12644761	Ca_Kabuli_Chr01	NC_021160.1	12644761	CC	TT	TT	INTERGENIC		
SNP_1664B_12645042	Ca_Kabuli_Chr01	NC_021160.1	12645042	CC	TT	TT	INTERGENIC		
SNP_1665B_12645047	Ca_Kabuli_Chr01	NC_021160.1	12645047	AA	GG	GG	INTERGENIC		
SNP_1666B_12665204	Ca_Kabuli_Chr01	NC_021160.1	12665204	TT	AA	AA	INTRON	101500892	heavy metal-associated isoprenylated plant protein 26
SNP_1667B_12665269	Ca_Kabuli_Chr01	NC_021160.1	12665269	TT	CC	CC	INTRON	101500892	heavy metal-associated isoprenylated plant protein 26
SNP_1669B_12716587	Ca_Kabuli_Chr01	NC_021160.1	12716587	TT	AA	AA	DRR	101503655	uncharacterized LOC101503655
SNP_1671B_12767427	Ca_Kabuli_Chr01	NC_021160.1	12767427	GG	TT	TT	INTERGENIC		
SNP_1672B_12767631	Ca_Kabuli_Chr01	NC_021160.1	12767631	TT	CC	CC	INTERGENIC		
SNP_1673B_12774350	Ca_Kabuli_Chr01	NC_021160.1	12774350	TT	AA	AA	INTERGENIC		
SNP_1674B_12774355	Ca_Kabuli_Chr01	NC_021160.1	12774355	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1675B_12776043	Ca_Kabuli_Chr01	NC_021160.1	12776043	CC	TT	TT	INTERGENIC		
SNP_1677B_12895063	Ca_Kabuli_Chr01	NC_021160.1	12895063	AA	GG	GG	DRR	101512764	uncharacterized LOC101512764
SNP_1678B_12927337	Ca_Kabuli_Chr01	NC_021160.1	12927337	TT	GG	GG	INTERGENIC		
SNP_1679B_12934095	Ca_Kabuli_Chr01	NC_021160.1	12934095	TT	AA	AA	URR	101513837	probable transcription factor GLK1
SNP_1680B_12947342	Ca_Kabuli_Chr01	NC_021160.1	12947342	GG	AA	AA	INTERGENIC		
SNP_1681B_12947368	Ca_Kabuli_Chr01	NC_021160.1	12947368	CC	TT	TT	INTERGENIC		
SNP_1682B_12947398	Ca_Kabuli_Chr01	NC_021160.1	12947398	GG	AA	AA	INTERGENIC		
SNP_1683B_12947448	Ca_Kabuli_Chr01	NC_021160.1	12947448	CC	TT	TT	INTERGENIC		
SNP_1684B_12947468	Ca_Kabuli_Chr01	NC_021160.1	12947468	CC	TT	TT	INTERGENIC		
SNP_1685B_12947486	Ca_Kabuli_Chr01	NC_021160.1	12947486	AA	GG	GG	INTERGENIC		
SNP_1686B_12947534	Ca_Kabuli_Chr01	NC_021160.1	12947534	CC	TT	TT	INTERGENIC		
SNP_1687B_12947539	Ca_Kabuli_Chr01	NC_021160.1	12947539	GG	AA	AA	INTERGENIC		
SNP_1688B_12947557	Ca_Kabuli_Chr01	NC_021160.1	12947557	AA	GG	GG	INTERGENIC		
SNP_1690B_12947755	Ca_Kabuli_Chr01	NC_021160.1	12947755	TT	CC	CC	INTERGENIC		
SNP_1691B_12950905	Ca_Kabuli_Chr01	NC_021160.1	12950905	CC	TT	TT	URR	101511585	Unknown function
SNP_1692B_12950906	Ca_Kabuli_Chr01	NC_021160.1	12950906	TT	CC	CC	URR	101511585	Unknown function
SNP_1693B_12950909	Ca_Kabuli_Chr01	NC_021160.1	12950909	CC	GG	GG	URR	101511585	Unknown function
SNP_1694B_12950918	Ca_Kabuli_Chr01	NC_021160.1	12950918	TT	CC	CC	URR	101511585	Unknown function
SNP_1695B_12950936	Ca_Kabuli_Chr01	NC_021160.1	12950936	AA	GG	GG	URR	101511585	Unknown function
SNP_1697B_12956156	Ca_Kabuli_Chr01	NC_021160.1	12956156	CC	AA	AA	INTERGENIC		
SNP_1698B_12956302	Ca_Kabuli_Chr01	NC_021160.1	12956302	CC	TT	TT	INTERGENIC		
SNP_1699B_12956336	Ca_Kabuli_Chr01	NC_021160.1	12956336	GG	AA	AA	INTERGENIC		
SNP_1700B_12956354	Ca_Kabuli_Chr01	NC_021160.1	12956354	AA	GG	GG	INTERGENIC		
SNP_1701B_12956372	Ca_Kabuli_Chr01	NC_021160.1	12956372	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1703B_12956869	Ca_Kabuli_Chr01	NC_021160.1	12956869	AA	GG	GG	INTERGENIC		
SNP_1704B_12979534	Ca_Kabuli_Chr01	NC_021160.1	12979534	TT	CC	CC	DRR	101489663	Unknown function
SNP_1705B_12984099	Ca_Kabuli_Chr01	NC_021160.1	12984099	CC	TT	TT	INTERGENIC		
SNP_1706B_12984100	Ca_Kabuli_Chr01	NC_021160.1	12984100	GG	AA	AA	INTERGENIC		
SNP_1707B_12991478	Ca_Kabuli_Chr01	NC_021160.1	12991478	TT	AA	AA	INTERGENIC		
SNP_1708B_13006291	Ca_Kabuli_Chr01	NC_021160.1	13006291	CC	TT	TT	INTERGENIC		
SNP_1709B_13007347	Ca_Kabuli_Chr01	NC_021160.1	13007347	TT	AA	AA	INTERGENIC		
SNP_1710B_13007352	Ca_Kabuli_Chr01	NC_021160.1	13007352	AA	GG	GG	INTERGENIC		
SNP_1711B_13007480	Ca_Kabuli_Chr01	NC_021160.1	13007480	GG	AA	AA	INTERGENIC		
SNP_1713B_13007590	Ca_Kabuli_Chr01	NC_021160.1	13007590	CC	AA	AA	INTERGENIC		
SNP_1714B_13007861	Ca_Kabuli_Chr01	NC_021160.1	13007861	TT	GG	GG	INTERGENIC		
SNP_1715B_13008096	Ca_Kabuli_Chr01	NC_021160.1	13008096	CC	TT	TT	INTERGENIC		
SNP_1716B_13008103	Ca_Kabuli_Chr01	NC_021160.1	13008103	CC	TT	TT	INTERGENIC		
SNP_1717B_13008184	Ca_Kabuli_Chr01	NC_021160.1	13008184	TT	CC	CC	INTERGENIC		
SNP_1718B_13008220	Ca_Kabuli_Chr01	NC_021160.1	13008220	CC	TT	TT	INTERGENIC		
SNP_1719B_13008592	Ca_Kabuli_Chr01	NC_021160.1	13008592	CC	AA	AA	INTERGENIC		
SNP_1720B_13009592	Ca_Kabuli_Chr01	NC_021160.1	13009592	GG	AA	AA	INTERGENIC		
SNP_1721B_13012574	Ca_Kabuli_Chr01	NC_021160.1	13012574	TT	CC	CC	INTERGENIC		
SNP_1722B_13024000	Ca_Kabuli_Chr01	NC_021160.1	13024000	CC	TT	TT	URR	101515367	reticulon-like protein B17
SNP_1723B_13124920	Ca_Kabuli_Chr01	NC_021160.1	13124920	CC	TT	TT	INTERGENIC		
SNP_1724B_13124956	Ca_Kabuli_Chr01	NC_021160.1	13124956	CC	TT	TT	INTERGENIC		
SNP_1725B_13174737	Ca_Kabuli_Chr01	NC_021160.1	13174737	CC	TT	TT	URR	101493022	two pore calcium channel protein 1
SNP_1726B_13342389	Ca_Kabuli_Chr01	NC_021160.1	13342389	TT	AA	AA	INTRON	101501729	probable indole-3-acetic acid-amido synthetase GH3.5
SNP_1727B_13342393	Ca_Kabuli_Chr01	NC_021160.1	13342393	AA	TT	TT	INTRON	101501729	probable indole-3-acetic acid-amido synthetase GH3.5

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1729B_13570757	Ca_Kabuli_Chr01	NC_021160.1	13570757	TT	CC	CC	INTERGENIC		
SNP_1730B_13661039	Ca_Kabuli_Chr01	NC_021160.1	13661039	TT	CC	CC	INTERGENIC		
SNP_1732B_13671652	Ca_Kabuli_Chr01	NC_021160.1	13671652	CC	TT	TT	URR	101488349	fasciclin-like arabinogalactan protein 21
SNP_1733B_13671693	Ca_Kabuli_Chr01	NC_021160.1	13671693	AA	GG	GG	URR	101488349	fasciclin-like arabinogalactan protein 21
SNP_1734B_13671803	Ca_Kabuli_Chr01	NC_021160.1	13671803	AA	GG	GG	URR	101488349	fasciclin-like arabinogalactan protein 21
SNP_1735B_13677284	Ca_Kabuli_Chr01	NC_021160.1	13677284	TT	AA	AA	INTERGENIC		
SNP_1736B_13678797	Ca_Kabuli_Chr01	NC_021160.1	13678797	GG	AA	AA	DRR	101488673	putative dehydration-responsive element-binding protein 2H
SNP_1737B_13679252	Ca_Kabuli_Chr01	NC_021160.1	13679252	CC	AA	AA	DRR	101488673	putative dehydration-responsive element-binding protein 2H
SNP_1738B_13679280	Ca_Kabuli_Chr01	NC_021160.1	13679280	AA	GG	GG	DRR	101488673	putative dehydration-responsive element-binding protein 2H
SNP_1739B_13679364	Ca_Kabuli_Chr01	NC_021160.1	13679364	CC	AA	AA	DRR	101488673	putative dehydration-responsive element-binding protein 2H
SNP_1741B_13689461	Ca_Kabuli_Chr01	NC_021160.1	13689461	TT	CC	CC	INTERGENIC		
SNP_1742B_13689847	Ca_Kabuli_Chr01	NC_021160.1	13689847	AA	GG	GG	INTERGENIC		
SNP_1743B_13693781	Ca_Kabuli_Chr01	NC_021160.1	13693781	TT	AA	AA	INTERGENIC		
SNP_1744B_13693827	Ca_Kabuli_Chr01	NC_021160.1	13693827	CC	AA	AA	INTERGENIC		
SNP_1746B_13699547	Ca_Kabuli_Chr01	NC_021160.1	13699547	AA	GG	GG	INTRON	101489988	probable terpene synthase 11
SNP_1747B_13699742	Ca_Kabuli_Chr01	NC_021160.1	13699742	AA	GG	GG	INTRON	101489988	probable terpene synthase 11
SNP_1749B_13703097	Ca_Kabuli_Chr01	NC_021160.1	13703097	CC	GG	GG	INTRON	101489988	probable terpene synthase 11
SNP_1750B_13703140	Ca_Kabuli_Chr01	NC_021160.1	13703140	GG	AA	AA	INTRON	101489988	probable terpene synthase 11
SNP_1751B_13745197	Ca_Kabuli_Chr01	NC_021160.1	13745197	CC	TT	TT	INTERGENIC		
SNP_1752B_13748781	Ca_Kabuli_Chr01	NC_021160.1	13748781	AA	TT	TT	INTERGENIC		
SNP_1753B_13769176	Ca_Kabuli_Chr01	NC_021160.1	13769176	TT	AA	AA	INTRON	101490644	histone-lysine N-methyltransferase ATXR3-like
SNP_1754B_13903314	Ca_Kabuli_Chr01	NC_021160.1	13903314	AA	GG	GG	INTERGENIC		
SNP_1756B_13960731	Ca_Kabuli_Chr01	NC_021160.1	13960731	GG	AA	AA	INTERGENIC		
SNP_1757B_13960994	Ca_Kabuli_Chr01	NC_021160.1	13960994	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1758B_13961023	Ca_Kabuli_Chr01	NC_021160.1	13961023	GG	AA	AA	INTERGENIC		
SNP_1759B_13961089	Ca_Kabuli_Chr01	NC_021160.1	13961089	AA	GG	GG	INTERGENIC		
SNP_1760B_13966040	Ca_Kabuli_Chr01	NC_021160.1	13966040	AA	GG	GG	INTRON	101503002	RING-box protein 1a-like
SNP_1761B_14059017	Ca_Kabuli_Chr01	NC_021160.1	14059017	CC	TT	TT	INTERGENIC		
SNP_1762B_14062041	Ca_Kabuli_Chr01	NC_021160.1	14062041	TT	CC	CC	INTERGENIC		
SNP_1763B_14079439	Ca_Kabuli_Chr01	NC_021160.1	14079439	GG	AA	AA	INTERGENIC		
SNP_1764B_14126072	Ca_Kabuli_Chr01	NC_021160.1	14126072	TT	CC	CC	DRR	101509447	2-alkenal reductase (NADP(+)-dependent)-like
SNP_1765B_14175125	Ca_Kabuli_Chr01	NC_021160.1	14175125	GG	AA	AA	INTRON	id14063	Unknown function
SNP_1766B_14207015	Ca_Kabuli_Chr01	NC_021160.1	14207015	AA	GG	GG	INTERGENIC		
SNP_1767B_14207229	Ca_Kabuli_Chr01	NC_021160.1	14207229	AA	TT	TT	INTERGENIC		
SNP_1768B_14207527	Ca_Kabuli_Chr01	NC_021160.1	14207527	GG	AA	AA	INTERGENIC		
SNP_1769B_14209683	Ca_Kabuli_Chr01	NC_021160.1	14209683	TT	AA	AA	INTERGENIC		
SNP_1770B_14209762	Ca_Kabuli_Chr01	NC_021160.1	14209762	TT	GG	GG	INTERGENIC		
SNP_1771B_14209764	Ca_Kabuli_Chr01	NC_021160.1	14209764	GG	AA	AA	INTERGENIC		
SNP_1772B_14209774	Ca_Kabuli_Chr01	NC_021160.1	14209774	GG	AA	AA	INTERGENIC		
SNP_1773B_14209786	Ca_Kabuli_Chr01	NC_021160.1	14209786	AA	GG	GG	INTERGENIC		
SNP_1774B_14209806	Ca_Kabuli_Chr01	NC_021160.1	14209806	AA	GG	GG	INTERGENIC		
SNP_1775B_14209815	Ca_Kabuli_Chr01	NC_021160.1	14209815	AA	GG	GG	INTERGENIC		
SNP_1776B_14209821	Ca_Kabuli_Chr01	NC_021160.1	14209821	CC	GG	GG	INTERGENIC		
SNP_1777B_14209825	Ca_Kabuli_Chr01	NC_021160.1	14209825	TT	GG	GG	INTERGENIC		
SNP_1778B_14209840	Ca_Kabuli_Chr01	NC_021160.1	14209840	AA	GG	GG	INTERGENIC		
SNP_1779B_14209862	Ca_Kabuli_Chr01	NC_021160.1	14209862	TT	AA	AA	INTERGENIC		
SNP_1780B_14209877	Ca_Kabuli_Chr01	NC_021160.1	14209877	AA	TT	TT	INTERGENIC		
SNP_1781B_14209890	Ca_Kabuli_Chr01	NC_021160.1	14209890	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1782B_14209903	Ca_Kabuli_Chr01	NC_021160.1	14209903	AA	GG	GG	INTERGENIC		
SNP_1783B_14209905	Ca_Kabuli_Chr01	NC_021160.1	14209905	GG	TT	TT	INTERGENIC		
SNP_1784B_14209940	Ca_Kabuli_Chr01	NC_021160.1	14209940	AA	TT	TT	INTERGENIC		
SNP_1785B_14209943	Ca_Kabuli_Chr01	NC_021160.1	14209943	TT	AA	AA	INTERGENIC		
SNP_1786B_14210042	Ca_Kabuli_Chr01	NC_021160.1	14210042	AA	CC	CC	INTERGENIC		
SNP_1787B_14210121	Ca_Kabuli_Chr01	NC_021160.1	14210121	AA	TT	TT	INTERGENIC		
SNP_1788B_14210134	Ca_Kabuli_Chr01	NC_021160.1	14210134	AA	CC	CC	INTERGENIC		
SNP_1789B_14210192	Ca_Kabuli_Chr01	NC_021160.1	14210192	AA	CC	CC	INTERGENIC		
SNP_1790B_14210194	Ca_Kabuli_Chr01	NC_021160.1	14210194	CC	TT	TT	INTERGENIC		
SNP_1791B_14210195	Ca_Kabuli_Chr01	NC_021160.1	14210195	AA	GG	GG	INTERGENIC		
SNP_1792B_14210197	Ca_Kabuli_Chr01	NC_021160.1	14210197	AA	GG	GG	INTERGENIC		
SNP_1793B_14210206	Ca_Kabuli_Chr01	NC_021160.1	14210206	GG	AA	AA	INTERGENIC		
SNP_1794B_14210210	Ca_Kabuli_Chr01	NC_021160.1	14210210	CC	GG	GG	INTERGENIC		
SNP_1795B_14210227	Ca_Kabuli_Chr01	NC_021160.1	14210227	TT	CC	CC	INTERGENIC		
SNP_1796B_14210232	Ca_Kabuli_Chr01	NC_021160.1	14210232	TT	CC	CC	INTERGENIC		
SNP_1797B_14210275	Ca_Kabuli_Chr01	NC_021160.1	14210275	CC	TT	TT	INTERGENIC		
SNP_1798B_14210278	Ca_Kabuli_Chr01	NC_021160.1	14210278	CC	TT	TT	INTERGENIC		
SNP_1799B_14210327	Ca_Kabuli_Chr01	NC_021160.1	14210327	GG	AA	AA	INTERGENIC		
SNP_1801B_14382149	Ca_Kabuli_Chr01	NC_021160.1	14382149	TT	CC	CC	INTERGENIC		
SNP_1802B_14382367	Ca_Kabuli_Chr01	NC_021160.1	14382367	TT	CC	CC	INTERGENIC		
SNP_1803B_14382370	Ca_Kabuli_Chr01	NC_021160.1	14382370	TT	CC	CC	INTERGENIC		
SNP_1804B_14382402	Ca_Kabuli_Chr01	NC_021160.1	14382402	CC	TT	TT	INTERGENIC		
SNP_1805B_14382424	Ca_Kabuli_Chr01	NC_021160.1	14382424	AA	GG	GG	INTERGENIC		
SNP_1806B_14382512	Ca_Kabuli_Chr01	NC_021160.1	14382512	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1807B_14382549	Ca_Kabuli_Chr01	NC_021160.1	14382549	AA	CC	CC	INTERGENIC		
SNP_1808B_14382550	Ca_Kabuli_Chr01	NC_021160.1	14382550	TT	CC	CC	INTERGENIC		
SNP_1809B_14382606	Ca_Kabuli_Chr01	NC_021160.1	14382606	GG	AA	AA	INTERGENIC		
SNP_1811B_14693359	Ca_Kabuli_Chr01	NC_021160.1	14693359	AA	GG	GG	INTERGENIC		
SNP_1812B_14765822	Ca_Kabuli_Chr01	NC_021160.1	14765822	TT	AA	AA	INTERGENIC		
SNP_1813B_14767582	Ca_Kabuli_Chr01	NC_021160.1	14767582	TT	CC	CC	INTERGENIC		
SNP_1814B_14769542	Ca_Kabuli_Chr01	NC_021160.1	14769542	CC	TT	TT	INTERGENIC		
SNP_1815B_14771058	Ca_Kabuli_Chr01	NC_021160.1	14771058	AA	GG	GG	INTERGENIC		
SNP_1816B_14843227	Ca_Kabuli_Chr01	NC_021160.1	14843227	TT	AA	AA	INTERGENIC		
SNP_1817B_14866741	Ca_Kabuli_Chr01	NC_021160.1	14866741	AA	GG	GG	INTERGENIC		
SNP_1819B_14974631	Ca_Kabuli_Chr01	NC_021160.1	14974631	AA	CC	CC	INTERGENIC		
SNP_1820B_14991023	Ca_Kabuli_Chr01	NC_021160.1	14991023	AA	GG	GG	INTERGENIC		
SNP_1821B_14995637	Ca_Kabuli_Chr01	NC_021160.1	14995637	CC	TT	TT	INTERGENIC		
SNP_1824B_14996172	Ca_Kabuli_Chr01	NC_021160.1	14996172	GG	TT	TT	INTERGENIC		
SNP_1826B_15065815	Ca_Kabuli_Chr01	NC_021160.1	15065815	CC	TT	TT	INTRON	101488464	protein TIC 100
SNP_1827B_15065859	Ca_Kabuli_Chr01	NC_021160.1	15065859	TT	AA	AA	INTRON	101488464	protein TIC 100
SNP_1828B_15065889	Ca_Kabuli_Chr01	NC_021160.1	15065889	CC	TT	TT	INTRON	101488464	protein TIC 100
SNP_1829B_15066012	Ca_Kabuli_Chr01	NC_021160.1	15066012	AA	CC	CC	INTRON	101488464	protein TIC 100
SNP_1830B_15142156	Ca_Kabuli_Chr01	NC_021160.1	15142156	TT	CC	CC	INTERGENIC		
SNP_1831B_15226973	Ca_Kabuli_Chr01	NC_021160.1	15226973	CC	TT	TT	INTERGENIC		
SNP_1832B_15245605	Ca_Kabuli_Chr01	NC_021160.1	15245605	CC	AA	AA	INTERGENIC		
SNP_1833B_15247352	Ca_Kabuli_Chr01	NC_021160.1	15247352	AA	CC	CC	INTERGENIC		
SNP_1834B_15247364	Ca_Kabuli_Chr01	NC_021160.1	15247364	GG	AA	AA	INTERGENIC		
SNP_1835B_15247385	Ca_Kabuli_Chr01	NC_021160.1	15247385	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1836B_15247407	Ca_Kabuli_Chr01	NC_021160.1	15247407	AA	GG	GG	INTERGENIC		
SNP_1837B_15247420	Ca_Kabuli_Chr01	NC_021160.1	15247420	AA	CC	CC	INTERGENIC		
SNP_1838B_15247587	Ca_Kabuli_Chr01	NC_021160.1	15247587	CC	AA	AA	INTERGENIC		
SNP_1839B_15247600	Ca_Kabuli_Chr01	NC_021160.1	15247600	TT	CC	CC	INTERGENIC		
SNP_1840B_15247732	Ca_Kabuli_Chr01	NC_021160.1	15247732	AA	TT	TT	INTERGENIC		
SNP_1841B_15247807	Ca_Kabuli_Chr01	NC_021160.1	15247807	TT	CC	CC	INTERGENIC		
SNP_1842B_15247820	Ca_Kabuli_Chr01	NC_021160.1	15247820	GG	AA	CC	INTERGENIC		
SNP_1843B_15247832	Ca_Kabuli_Chr01	NC_021160.1	15247832	AA	CC	CC	INTERGENIC		
SNP_1844B_15311447	Ca_Kabuli_Chr01	NC_021160.1	15311447	AA	GG	GG	INTERGENIC		
SNP_1845B_15401540	Ca_Kabuli_Chr01	NC_021160.1	15401540	GG	AA	AA	URR	101499425	uncharacterized LOC101499425
SNP_1846B_15466176	Ca_Kabuli_Chr01	NC_021160.1	15466176	TT	CC	CC	INTERGENIC		
SNP_1847B_15466179	Ca_Kabuli_Chr01	NC_021160.1	15466179	TT	CC	CC	INTERGENIC		
SNP_1848B_15508441	Ca_Kabuli_Chr01	NC_021160.1	15508441	CC	TT	TT	INTERGENIC		
SNP_1849B_15508482	Ca_Kabuli_Chr01	NC_021160.1	15508482	GG	TT	TT	INTERGENIC		
SNP_1850B_15577955	Ca_Kabuli_Chr01	NC_021160.1	15577955	AA	GG	GG	INTERGENIC		
SNP_1851B_15615459	Ca_Kabuli_Chr01	NC_021160.1	15615459	GG	AA	AA	URR	101504539	ras-related protein Rab11D
SNP_1852B_15657163	Ca_Kabuli_Chr01	NC_021160.1	15657163	CC	TT	TT	INTERGENIC		
SNP_1853B_15667528	Ca_Kabuli_Chr01	NC_021160.1	15667528	AA	CC	CC	INTERGENIC		
SNP_1854B_15667544	Ca_Kabuli_Chr01	NC_021160.1	15667544	AA	GG	GG	INTERGENIC		
SNP_1855B_15714153	Ca_Kabuli_Chr01	NC_021160.1	15714153	TT	CC	CC	INTERGENIC		
SNP_1856B_15848552	Ca_Kabuli_Chr01	NC_021160.1	15848552	AA	GG	GG	INTERGENIC		
SNP_1857B_15897879	Ca_Kabuli_Chr01	NC_021160.1	15897879	GG	AA	AA	INTERGENIC		
SNP_1858B_16019946	Ca_Kabuli_Chr01	NC_021160.1	16019946	GG	AA	AA	INTERGENIC		
SNP_1859B_16035316	Ca_Kabuli_Chr01	NC_021160.1	16035316	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1860B_16043608	Ca_Kabuli_Chr01	NC_021160.1	16043608	TT	GG	GG	URR	101490852	probable leucine-rich repeat receptor-like serine/threonine-protein kinase At5g15730
SNP_1861B_16078189	Ca_Kabuli_Chr01	NC_021160.1	16078189	GG	TT	TT	INTERGENIC		
SNP_1862B_16085276	Ca_Kabuli_Chr01	NC_021160.1	16085276	AA	TT	TT	INTERGENIC		
SNP_1863B_16086269	Ca_Kabuli_Chr01	NC_021160.1	16086269	TT	CC	CC	INTERGENIC		
SNP_1864B_16089047	Ca_Kabuli_Chr01	NC_021160.1	16089047	TT	CC	CC	URR	101492126	probable terpene synthase 2
SNP_1865B_16089814	Ca_Kabuli_Chr01	NC_021160.1	16089814	AA	TT	TT	URR	101492126	probable terpene synthase 2
SNP_1866B_16105353	Ca_Kabuli_Chr01	NC_021160.1	16105353	AA	GG	GG	INTERGENIC		
SNP_1867B_16133030	Ca_Kabuli_Chr01	NC_021160.1	16133030	AA	TT	TT	INTERGENIC		
SNP_1868B_16134109	Ca_Kabuli_Chr01	NC_021160.1	16134109	CC	AA	AA	INTERGENIC		
SNP_1869B_16134131	Ca_Kabuli_Chr01	NC_021160.1	16134131	CC	TT	TT	INTERGENIC		
SNP_1870B_16145206	Ca_Kabuli_Chr01	NC_021160.1	16145206	CC	TT	TT	INTERGENIC		
SNP_1871B_16154946	Ca_Kabuli_Chr01	NC_021160.1	16154946	AA	GG	GG	INTERGENIC		
SNP_1872B_16154992	Ca_Kabuli_Chr01	NC_021160.1	16154992	TT	CC	CC	INTERGENIC		
SNP_1873B_16157167	Ca_Kabuli_Chr01	NC_021160.1	16157167	AA	GG	GG	INTERGENIC		
SNP_1874B_16160748	Ca_Kabuli_Chr01	NC_021160.1	16160748	CC	TT	TT	DRR	101503246	organic cation/carnitine transporter 4-like
SNP_1875B_16160749	Ca_Kabuli_Chr01	NC_021160.1	16160749	AA	TT	TT	DRR	101503246	organic cation/carnitine transporter 4-like
SNP_1876B_16160750	Ca_Kabuli_Chr01	NC_021160.1	16160750	AA	TT	TT	DRR	101503246	organic cation/carnitine transporter 4-like
SNP_1877B_16160751	Ca_Kabuli_Chr01	NC_021160.1	16160751	AA	GG	GG	DRR	101503246	organic cation/carnitine transporter 4-like
SNP_1878B_16161811	Ca_Kabuli_Chr01	NC_021160.1	16161811	AA	TT	TT	NON_SYNONYMOUS_CODING	101503246	organic cation/carnitine transporter 4-like
SNP_1879B_16161832	Ca_Kabuli_Chr01	NC_021160.1	16161832	CC	GG	GG	NON_SYNONYMOUS_CODING	101503246	organic cation/carnitine transporter 4-like
SNP_1880B_16166967	Ca_Kabuli_Chr01	NC_021160.1	16166967	TT	CC	CC	URR	101503246	organic cation/carnitine transporter 4-like
SNP_1881B_16166975	Ca_Kabuli_Chr01	NC_021160.1	16166975	TT	AA	AA	URR	101503246	organic cation/carnitine transporter 4-like
SNP_1882B_16167158	Ca_Kabuli_Chr01	NC_021160.1	16167158	TT	AA	AA	INTERGENIC		
SNP_1884B_16174779	Ca_Kabuli_Chr01	NC_021160.1	16174779	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1885B_16185354	Ca_Kabuli_Chr01	NC_021160.1	16185354	CC	TT	TT	INTRON	101492800	indole-3-acetic acid-amido synthetase GH3.6-like
SNP_1886B_16197686	Ca_Kabuli_Chr01	NC_021160.1	16197686	TT	AA	AA	INTERGENIC		
SNP_1887B_16197704	Ca_Kabuli_Chr01	NC_021160.1	16197704	CC	TT	TT	INTERGENIC		
SNP_1888B_16197855	Ca_Kabuli_Chr01	NC_021160.1	16197855	CC	TT	TT	INTERGENIC		
SNP_1889B_16198137	Ca_Kabuli_Chr01	NC_021160.1	16198137	CC	AA	AA	INTERGENIC		
SNP_1890B_16198142	Ca_Kabuli_Chr01	NC_021160.1	16198142	AA	TT	TT	INTERGENIC		
SNP_1891B_16202217	Ca_Kabuli_Chr01	NC_021160.1	16202217	AA	CC	CC	INTERGENIC		
SNP_1893B_16288186	Ca_Kabuli_Chr01	NC_021160.1	16288186	TT	CC	CC	INTERGENIC		
SNP_1894B_16293701	Ca_Kabuli_Chr01	NC_021160.1	16293701	AA	TT	TT	INTERGENIC		
SNP_1895B_16301410	Ca_Kabuli_Chr01	NC_021160.1	16301410	GG	AA	AA	INTERGENIC		
SNP_1896B_16303650	Ca_Kabuli_Chr01	NC_021160.1	16303650	TT	CC	CC	INTERGENIC		
SNP_1897B_16305188	Ca_Kabuli_Chr01	NC_021160.1	16305188	TT	GG	GG	INTERGENIC		
SNP_1898B_16305189	Ca_Kabuli_Chr01	NC_021160.1	16305189	TT	CC	CC	INTERGENIC		
SNP_1899B_16413957	Ca_Kabuli_Chr01	NC_021160.1	16413957	CC	TT	TT	URR	101498443	vesicle-associated protein 4-1
SNP_1900B_16499444	Ca_Kabuli_Chr01	NC_021160.1	16499444	AA	GG	GG	INTERGENIC		
SNP_1902B_16696087	Ca_Kabuli_Chr01	NC_021160.1	16696087	GG	AA	AA	INTERGENIC		
SNP_1904B_16875850	Ca_Kabuli_Chr01	NC_021160.1	16875850	AA	GG	GG	URR	101509448	ultraviolet-B receptor UVR8
SNP_1905B_16941006	Ca_Kabuli_Chr01	NC_021160.1	16941006	CC	TT	TT	URR	101512021	defensin-like protein
SNP_1906B_16955618	Ca_Kabuli_Chr01	NC_021160.1	16955618	TT	CC	CC	SYNONYMOUS_CODING	101507447	non-canonical poly(A) RNA polymerase PAPD5
SNP_1907B_16956034	Ca_Kabuli_Chr01	NC_021160.1	16956034	GG	AA	AA	URR	101507447	non-canonical poly(A) RNA polymerase PAPD5
SNP_1908B_17125425	Ca_Kabuli_Chr01	NC_021160.1	17125425	AA	GG	GG	INTERGENIC		
SNP_1909B_17128078	Ca_Kabuli_Chr01	NC_021160.1	17128078	GG	AA	AA	INTERGENIC		
SNP_1910B_17128122	Ca_Kabuli_Chr01	NC_021160.1	17128122	AA	TT	TT	INTERGENIC		
SNP_1911B_17128204	Ca_Kabuli_Chr01	NC_021160.1	17128204	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1912B_17128237	Ca_Kabuli_Chr01	NC_021160.1	17128237	TT	GG	GG	INTERGENIC		
SNP_1913B_17128290	Ca_Kabuli_Chr01	NC_021160.1	17128290	CC	TT	TT	INTERGENIC		
SNP_1914B_17128352	Ca_Kabuli_Chr01	NC_021160.1	17128352	GG	AA	AA	INTERGENIC		
SNP_1915B_17157687	Ca_Kabuli_Chr01	NC_021160.1	17157687	TT	CC	CC	INTERGENIC		
SNP_1916B_17158339	Ca_Kabuli_Chr01	NC_021160.1	17158339	AA	GG	GG	INTERGENIC		
SNP_1917B_17187067	Ca_Kabuli_Chr01	NC_021160.1	17187067	AA	TT	TT	INTERGENIC		
SNP_1918B_17187605	Ca_Kabuli_Chr01	NC_021160.1	17187605	TT	CC	CC	INTERGENIC		
SNP_1919B_17187619	Ca_Kabuli_Chr01	NC_021160.1	17187619	GG	AA	AA	INTERGENIC		
SNP_1920B_17200122	Ca_Kabuli_Chr01	NC_021160.1	17200122	CC	TT	TT	DRR	101410582	transfer RNA histidine(anticodon GUG)
SNP_1921B_17244512	Ca_Kabuli_Chr01	NC_021160.1	17244512	TT	CC	CC	INTERGENIC		
SNP_1922B_17255068	Ca_Kabuli_Chr01	NC_021160.1	17255068	TT	CC	CC	INTERGENIC		
SNP_1923B_17255074	Ca_Kabuli_Chr01	NC_021160.1	17255074	GG	AA	AA	INTERGENIC		
SNP_1924B_17255075	Ca_Kabuli_Chr01	NC_021160.1	17255075	CC	TT	TT	INTERGENIC		
SNP_1925B_17255325	Ca_Kabuli_Chr01	NC_021160.1	17255325	CC	AA	AA	INTERGENIC		
SNP_1926B_17322614	Ca_Kabuli_Chr01	NC_021160.1	17322614	CC	GG	GG	INTRON	101489463	PH-interacting protein
SNP_1927B_17337037	Ca_Kabuli_Chr01	NC_021160.1	17337037	TT	AA	AA	INTERGENIC		
SNP_1928B_17409706	Ca_Kabuli_Chr01	NC_021160.1	17409706	TT	CC	CC	INTRON	101493676	calmodulin-binding transcription activator 5-like
SNP_1929B_17431627	Ca_Kabuli_Chr01	NC_021160.1	17431627	GG	AA	AA	INTERGENIC		
SNP_1930B_17431662	Ca_Kabuli_Chr01	NC_021160.1	17431662	TT	CC	CC	INTERGENIC		
SNP_1932B_17595651	Ca_Kabuli_Chr01	NC_021160.1	17595651	CC	TT	TT	INTERGENIC		
SNP_1933B_17621547	Ca_Kabuli_Chr01	NC_021160.1	17621547	GG	CC	CC	INTERGENIC		
SNP_1934B_17621565	Ca_Kabuli_Chr01	NC_021160.1	17621565	CC	GG	GG	INTERGENIC		
SNP_1935B_17621706	Ca_Kabuli_Chr01	NC_021160.1	17621706	AA	TT	TT	INTERGENIC		
SNP_1936B_17621710	Ca_Kabuli_Chr01	NC_021160.1	17621710	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1937B_17621739	Ca_Kabuli_Chr01	NC_021160.1	17621739	TT	CC	CC	INTERGENIC		
SNP_1938B_17621891	Ca_Kabuli_Chr01	NC_021160.1	17621891	GG	AA	AA	INTERGENIC		
SNP_1939B_17623909	Ca_Kabuli_Chr01	NC_021160.1	17623909	TT	CC	CC	URR	101502062	protein LIR18B-like
SNP_1940B_17630677	Ca_Kabuli_Chr01	NC_021160.1	17630677	GG	AA	AA	DRR	101502390	protein LIR18B-like
SNP_1942B_17719641	Ca_Kabuli_Chr01	NC_021160.1	17719641	TT	GG	GG	INTERGENIC		
SNP_1943B_18122007	Ca_Kabuli_Chr01	NC_021160.1	18122007	TT	CC	CC	INTERGENIC		
SNP_1944B_18122013	Ca_Kabuli_Chr01	NC_021160.1	18122013	TT	CC	CC	INTERGENIC		
SNP_1945B_18122027	Ca_Kabuli_Chr01	NC_021160.1	18122027	AA	GG	GG	INTERGENIC		
SNP_1947B_18279152	Ca_Kabuli_Chr01	NC_021160.1	18279152	TT	CC	CC	INTERGENIC		
SNP_1948B_18279233	Ca_Kabuli_Chr01	NC_021160.1	18279233	GG	AA	AA	INTERGENIC		
SNP_1949B_18295124	Ca_Kabuli_Chr01	NC_021160.1	18295124	GG	TT	TT	INTERGENIC		
SNP_1950B_18296907	Ca_Kabuli_Chr01	NC_021160.1	18296907	GG	CC	CC	INTERGENIC		
SNP_1951B_18296916	Ca_Kabuli_Chr01	NC_021160.1	18296916	CC	AA	AA	INTERGENIC		
SNP_1952B_18297153	Ca_Kabuli_Chr01	NC_021160.1	18297153	GG	AA	AA	INTERGENIC		
SNP_1953B_18297178	Ca_Kabuli_Chr01	NC_021160.1	18297178	TT	CC	CC	INTERGENIC		
SNP_1954B_18297273	Ca_Kabuli_Chr01	NC_021160.1	18297273	CC	TT	TT	INTERGENIC		
SNP_1955B_18298798	Ca_Kabuli_Chr01	NC_021160.1	18298798	AA	TT	TT	INTERGENIC		
SNP_1956B_18299789	Ca_Kabuli_Chr01	NC_021160.1	18299789	TT	CC	CC	INTERGENIC		
SNP_1958B_18299933	Ca_Kabuli_Chr01	NC_021160.1	18299933	CC	TT	TT	INTERGENIC		
SNP_1959B_18299945	Ca_Kabuli_Chr01	NC_021160.1	18299945	AA	CC	CC	INTERGENIC		
SNP_1960B_18299962	Ca_Kabuli_Chr01	NC_021160.1	18299962	TT	CC	CC	INTERGENIC		
SNP_1961B_18299987	Ca_Kabuli_Chr01	NC_021160.1	18299987	TT	CC	CC	INTERGENIC		
SNP_1962B_18300031	Ca_Kabuli_Chr01	NC_021160.1	18300031	TT	AA	AA	INTERGENIC		
SNP_1963B_18300032	Ca_Kabuli_Chr01	NC_021160.1	18300032	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1964B_18300065	Ca_Kabuli_Chr01	NC_021160.1	18300065	AA	GG	GG	INTERGENIC		
SNP_1965B_18300162	Ca_Kabuli_Chr01	NC_021160.1	18300162	TT	CC	CC	INTERGENIC		
SNP_1966B_18300561	Ca_Kabuli_Chr01	NC_021160.1	18300561	TT	GG	GG	INTERGENIC		
SNP_1967B_18300578	Ca_Kabuli_Chr01	NC_021160.1	18300578	GG	CC	CC	INTERGENIC		
SNP_1968B_18300596	Ca_Kabuli_Chr01	NC_021160.1	18300596	CC	TT	TT	INTERGENIC		
SNP_1971B_18301160	Ca_Kabuli_Chr01	NC_021160.1	18301160	TT	AA	AA	INTERGENIC		
SNP_1972B_18301228	Ca_Kabuli_Chr01	NC_021160.1	18301228	AA	GG	GG	INTERGENIC		
SNP_1973B_18301275	Ca_Kabuli_Chr01	NC_021160.1	18301275	GG	CC	CC	INTERGENIC		
SNP_1974B_18302162	Ca_Kabuli_Chr01	NC_021160.1	18302162	CC	TT	TT	INTERGENIC		
SNP_1975B_18316918	Ca_Kabuli_Chr01	NC_021160.1	18316918	TT	CC	CC	INTERGENIC		
SNP_1976B_18316931	Ca_Kabuli_Chr01	NC_021160.1	18316931	TT	AA	AA	INTERGENIC		
SNP_1977B_18317626	Ca_Kabuli_Chr01	NC_021160.1	18317626	TT	CC	CC	INTERGENIC		
SNP_1978B_18317676	Ca_Kabuli_Chr01	NC_021160.1	18317676	CC	AA	AA	INTERGENIC		
SNP_1979B_18317939	Ca_Kabuli_Chr01	NC_021160.1	18317939	GG	AA	AA	INTERGENIC		
SNP_1980B_18318994	Ca_Kabuli_Chr01	NC_021160.1	18318994	GG	TT	TT	INTERGENIC		
SNP_1981B_18319342	Ca_Kabuli_Chr01	NC_021160.1	18319342	TT	GG	GG	INTERGENIC		
SNP_1982B_18325628	Ca_Kabuli_Chr01	NC_021160.1	18325628	GG	TT	TT	INTERGENIC		
SNP_1983B_18326309	Ca_Kabuli_Chr01	NC_021160.1	18326309	GG	CC	CC	INTERGENIC		
SNP_1984B_18326588	Ca_Kabuli_Chr01	NC_021160.1	18326588	AA	TT	TT	INTERGENIC		
SNP_1985B_18326649	Ca_Kabuli_Chr01	NC_021160.1	18326649	AA	GG	GG	INTERGENIC		
SNP_1986B_18327274	Ca_Kabuli_Chr01	NC_021160.1	18327274	TT	CC	CC	INTERGENIC		
SNP_1987B_18327300	Ca_Kabuli_Chr01	NC_021160.1	18327300	TT	AA	AA	INTERGENIC		
SNP_1988B_18327304	Ca_Kabuli_Chr01	NC_021160.1	18327304	AA	GG	GG	INTERGENIC		
SNP_1989B_18327379	Ca_Kabuli_Chr01	NC_021160.1	18327379	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_1990B_18327549	Ca_Kabuli_Chr01	NC_021160.1	18327549	CC	AA	AA	INTERGENIC		
SNP_1991B_18327571	Ca_Kabuli_Chr01	NC_021160.1	18327571	GG	AA	AA	INTERGENIC		
SNP_1992B_18327577	Ca_Kabuli_Chr01	NC_021160.1	18327577	AA	GG	GG	INTERGENIC		
SNP_1993B_18327618	Ca_Kabuli_Chr01	NC_021160.1	18327618	CC	TT	TT	INTERGENIC		
SNP_1994B_18327623	Ca_Kabuli_Chr01	NC_021160.1	18327623	GG	AA	AA	INTERGENIC		
SNP_1995B_18327706	Ca_Kabuli_Chr01	NC_021160.1	18327706	CC	AA	AA	INTERGENIC		
SNP_1996B_18327724	Ca_Kabuli_Chr01	NC_021160.1	18327724	AA	GG	GG	INTERGENIC		
SNP_1997B_18327732	Ca_Kabuli_Chr01	NC_021160.1	18327732	AA	CC	CC	INTERGENIC		
SNP_1998B_18327747	Ca_Kabuli_Chr01	NC_021160.1	18327747	TT	CC	CC	INTERGENIC		
SNP_1999B_18327797	Ca_Kabuli_Chr01	NC_021160.1	18327797	AA	CC	CC	INTERGENIC		
SNP_2000B_18327852	Ca_Kabuli_Chr01	NC_021160.1	18327852	CC	TT	TT	INTERGENIC		
SNP_2001B_18327889	Ca_Kabuli_Chr01	NC_021160.1	18327889	GG	AA	AA	INTERGENIC		
SNP_2002B_18327944	Ca_Kabuli_Chr01	NC_021160.1	18327944	TT	AA	AA	INTERGENIC		
SNP_2003B_18327945	Ca_Kabuli_Chr01	NC_021160.1	18327945	CC	TT	TT	INTERGENIC		
SNP_2004B_18327946	Ca_Kabuli_Chr01	NC_021160.1	18327946	GG	AA	AA	INTERGENIC		
SNP_2005B_18327969	Ca_Kabuli_Chr01	NC_021160.1	18327969	TT	CC	CC	INTERGENIC		
SNP_2006B_18328012	Ca_Kabuli_Chr01	NC_021160.1	18328012	AA	TT	TT	INTERGENIC		
SNP_2007B_18328043	Ca_Kabuli_Chr01	NC_021160.1	18328043	CC	TT	TT	INTERGENIC		
SNP_2008B_18328084	Ca_Kabuli_Chr01	NC_021160.1	18328084	GG	TT	TT	INTERGENIC		
SNP_2010B_18328245	Ca_Kabuli_Chr01	NC_021160.1	18328245	GG	AA	AA	INTERGENIC		
SNP_2011B_18328288	Ca_Kabuli_Chr01	NC_021160.1	18328288	AA	TT	TT	INTERGENIC		
SNP_2012B_18328374	Ca_Kabuli_Chr01	NC_021160.1	18328374	GG	AA	AA	INTERGENIC		
SNP_2013B_18363694	Ca_Kabuli_Chr01	NC_021160.1	18363694	AA	GG	GG	INTERGENIC		
SNP_2014B_18363764	Ca_Kabuli_Chr01	NC_021160.1	18363764	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_2015B_18363926	Ca_Kabuli_Chr01	NC_021160.1	18363926	CC	TT	TT	INTERGENIC		
SNP_2016B_18363952	Ca_Kabuli_Chr01	NC_021160.1	18363952	CC	TT	TT	INTERGENIC		
SNP_2017B_18363986	Ca_Kabuli_Chr01	NC_021160.1	18363986	GG	AA	AA	INTERGENIC		
SNP_2018B_18363995	Ca_Kabuli_Chr01	NC_021160.1	18363995	GG	AA	AA	INTERGENIC		
SNP_2019B_18364006	Ca_Kabuli_Chr01	NC_021160.1	18364006	AA	TT	TT	INTERGENIC		
SNP_2020B_18364007	Ca_Kabuli_Chr01	NC_021160.1	18364007	AA	GG	GG	INTERGENIC		
SNP_2021B_18364019	Ca_Kabuli_Chr01	NC_021160.1	18364019	TT	AA	AA	INTERGENIC		
SNP_2022B_18364025	Ca_Kabuli_Chr01	NC_021160.1	18364025	AA	CC	CC	INTERGENIC		
SNP_2024B_18364099	Ca_Kabuli_Chr01	NC_021160.1	18364099	CC	GG	GG	INTERGENIC		
SNP_2025B_18364106	Ca_Kabuli_Chr01	NC_021160.1	18364106	CC	AA	AA	INTERGENIC		
SNP_2026B_18364147	Ca_Kabuli_Chr01	NC_021160.1	18364147	GG	AA	AA	INTERGENIC		
SNP_2027B_18368773	Ca_Kabuli_Chr01	NC_021160.1	18368773	AA	GG	GG	INTERGENIC		
SNP_2028B_18368817	Ca_Kabuli_Chr01	NC_021160.1	18368817	CC	GG	GG	INTERGENIC		
SNP_2029B_18407938	Ca_Kabuli_Chr01	NC_021160.1	18407938	GG	AA	AA	INTERGENIC		
SNP_2030B_18408121	Ca_Kabuli_Chr01	NC_021160.1	18408121	AA	GG	GG	INTERGENIC		
SNP_2031B_18425471	Ca_Kabuli_Chr01	NC_021160.1	18425471	TT	AA	AA	INTERGENIC		
SNP_2032B_18466077	Ca_Kabuli_Chr01	NC_021160.1	18466077	TT	CC	CC	INTERGENIC		
SNP_2033B_18466093	Ca_Kabuli_Chr01	NC_021160.1	18466093	TT	CC	CC	INTERGENIC		
SNP_2034B_18552339	Ca_Kabuli_Chr01	NC_021160.1	18552339	GG	AA	AA	INTERGENIC		
SNP_2035B_18582856	Ca_Kabuli_Chr01	NC_021160.1	18582856	GG	TT	TT	INTERGENIC		
SNP_2036B_18601389	Ca_Kabuli_Chr01	NC_021160.1	18601389	AA	GG	GG	INTERGENIC		
SNP_2037B_18668622	Ca_Kabuli_Chr01	NC_021160.1	18668622	TT	CC	CC	INTERGENIC		
SNP_2038B_18688504	Ca_Kabuli_Chr01	NC_021160.1	18688504	AA	GG	GG	INTERGENIC		
SNP_2039B_18795277	Ca_Kabuli_Chr01	NC_021160.1	18795277	AA	GG	GG	DRR	101509123	cationic amino acid transporter 5

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_2040B_18824205	Ca_Kabuli_Chr01	NC_021160.1	18824205	TT	CC	CC	INTERGENIC		
SNP_2041B_18824447	Ca_Kabuli_Chr01	NC_021160.1	18824447	CC	TT	TT	DRR	101499111	uncharacterized LOC101499111
SNP_2042B_18824489	Ca_Kabuli_Chr01	NC_021160.1	18824489	TT	CC	CC	DRR	101499111	uncharacterized LOC101499111
SNP_2043B_18824543	Ca_Kabuli_Chr01	NC_021160.1	18824543	TT	CC	CC	DRR	101499111	uncharacterized LOC101499111
SNP_2044B_18861230	Ca_Kabuli_Chr01	NC_021160.1	18861230	GG	AA	AA	URR	101499737	Unknown function
SNP_2045B_18868457	Ca_Kabuli_Chr01	NC_021160.1	18868457	AA	TT	TT	INTERGENIC		
SNP_2046B_18868484	Ca_Kabuli_Chr01	NC_021160.1	18868484	GG	AA	AA	INTERGENIC		
SNP_2047B_18868557	Ca_Kabuli_Chr01	NC_021160.1	18868557	TT	CC	CC	INTERGENIC		
SNP_2049B_18868667	Ca_Kabuli_Chr01	NC_021160.1	18868667	AA	GG	GG	INTERGENIC		
SNP_2050B_18868679	Ca_Kabuli_Chr01	NC_021160.1	18868679	AA	GG	GG	INTERGENIC		
SNP_2051B_18868684	Ca_Kabuli_Chr01	NC_021160.1	18868684	CC	TT	TT	INTERGENIC		
SNP_2052B_18881034	Ca_Kabuli_Chr01	NC_021160.1	18881034	GG	AA	AA	INTERGENIC		
SNP_2053B_19019269	Ca_Kabuli_Chr01	NC_021160.1	19019269	TT	CC	CC	INTERGENIC		
SNP_2054B_19019270	Ca_Kabuli_Chr01	NC_021160.1	19019270	TT	AA	AA	INTERGENIC		
SNP_2055B_19025169	Ca_Kabuli_Chr01	NC_021160.1	19025169	AA	TT	TT	INTERGENIC		
SNP_2056B_19025170	Ca_Kabuli_Chr01	NC_021160.1	19025170	AA	TT	TT	INTERGENIC		
SNP_2057B_19025172	Ca_Kabuli_Chr01	NC_021160.1	19025172	CC	AA	AA	INTERGENIC		
SNP_2058B_19025173	Ca_Kabuli_Chr01	NC_021160.1	19025173	TT	AA	AA	INTERGENIC		
SNP_2059B_19025177	Ca_Kabuli_Chr01	NC_021160.1	19025177	TT	CC	CC	INTERGENIC		
SNP_2062B_19111747	Ca_Kabuli_Chr01	NC_021160.1	19111747	TT	CC	CC	INTERGENIC		
SNP_2063B_19135276	Ca_Kabuli_Chr01	NC_021160.1	19135276	GG	CC	CC	INTERGENIC		
SNP_2064B_19150894	Ca_Kabuli_Chr01	NC_021160.1	19150894	CC	TT	TT	INTERGENIC		
SNP_2065B_19150902	Ca_Kabuli_Chr01	NC_021160.1	19150902	CC	TT	TT	INTERGENIC		
SNP_2066B_19150913	Ca_Kabuli_Chr01	NC_021160.1	19150913	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_2067B_19150960	Ca_Kabuli_Chr01	NC_021160.1	19150960	GG	AA	AA	INTERGENIC		
SNP_2068B_19151037	Ca_Kabuli_Chr01	NC_021160.1	19151037	TT	AA	AA	INTERGENIC		
SNP_2069B_19151152	Ca_Kabuli_Chr01	NC_021160.1	19151152	AA	TT	TT	INTERGENIC		
SNP_2070B_19307885	Ca_Kabuli_Chr01	NC_021160.1	19307885	TT	CC	CC	INTERGENIC		
SNP_2071B_19331228	Ca_Kabuli_Chr01	NC_021160.1	19331228	AA	TT	TT	URR	101493887	G-type lectin S-receptor-like serine/threonine-protein kinase At1g34300
SNP_2072B_19332449	Ca_Kabuli_Chr01	NC_021160.1	19332449	GG	AA	AA	INTERGENIC		
SNP_2073B_19363829	Ca_Kabuli_Chr01	NC_021160.1	19363829	GG	TT	TT	INTERGENIC		
SNP_2074B_19422493	Ca_Kabuli_Chr01	NC_021160.1	19422493	TT	CC	CC	INTERGENIC		
SNP_2075B_19422853	Ca_Kabuli_Chr01	NC_021160.1	19422853	TT	CC	CC	INTERGENIC		
SNP_2078B_19423090	Ca_Kabuli_Chr01	NC_021160.1	19423090	AA	CC	CC	INTERGENIC		
SNP_2079B_19423192	Ca_Kabuli_Chr01	NC_021160.1	19423192	TT	CC	CC	INTERGENIC		
SNP_2080B_19424185	Ca_Kabuli_Chr01	NC_021160.1	19424185	CC	TT	TT	INTERGENIC		
SNP_2081B_19424307	Ca_Kabuli_Chr01	NC_021160.1	19424307	TT	GG	GG	INTERGENIC		
SNP_2082B_19427623	Ca_Kabuli_Chr01	NC_021160.1	19427623	TT	CC	CC	INTERGENIC		
SNP_2083B_19431345	Ca_Kabuli_Chr01	NC_021160.1	19431345	GG	AA	AA	INTERGENIC		
SNP_2084B_19431349	Ca_Kabuli_Chr01	NC_021160.1	19431349	GG	AA	AA	INTERGENIC		
SNP_2085B_19431381	Ca_Kabuli_Chr01	NC_021160.1	19431381	TT	CC	CC	INTERGENIC		
SNP_2086B_19431426	Ca_Kabuli_Chr01	NC_021160.1	19431426	CC	GG	GG	INTERGENIC		
SNP_2088B_19431710	Ca_Kabuli_Chr01	NC_021160.1	19431710	AA	TT	TT	INTERGENIC		
SNP_2089B_19436879	Ca_Kabuli_Chr01	NC_021160.1	19436879	GG	CC	CC	INTERGENIC		
SNP_2090B_19445947	Ca_Kabuli_Chr01	NC_021160.1	19445947	GG	AA	AA	INTERGENIC		
SNP_2091B_19454907	Ca_Kabuli_Chr01	NC_021160.1	19454907	CC	TT	TT	INTERGENIC		
SNP_2093B_19499093	Ca_Kabuli_Chr01	NC_021160.1	19499093	TT	AA	AA	INTERGENIC		
SNP_2094B_19499140	Ca_Kabuli_Chr01	NC_021160.1	19499140	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_2095B_19499186	Ca_Kabuli_Chr01	NC_021160.1	19499186	AA	CC	CC	INTERGENIC		
SNP_2096B_19499194	Ca_Kabuli_Chr01	NC_021160.1	19499194	GG	TT	TT	INTERGENIC		
SNP_2097B_19507376	Ca_Kabuli_Chr01	NC_021160.1	19507376	AA	CC	CC	INTERGENIC		
SNP_2098B_19619575	Ca_Kabuli_Chr01	NC_021160.1	19619575	CC	TT	TT	INTERGENIC		
SNP_2099B_19619792	Ca_Kabuli_Chr01	NC_021160.1	19619792	AA	GG	GG	INTERGENIC		
SNP_2100B_19619915	Ca_Kabuli_Chr01	NC_021160.1	19619915	TT	CC	CC	INTERGENIC		
SNP_2101B_19619928	Ca_Kabuli_Chr01	NC_021160.1	19619928	AA	GG	GG	INTERGENIC		
SNP_2102B_19619929	Ca_Kabuli_Chr01	NC_021160.1	19619929	TT	CC	CC	INTERGENIC		
SNP_2103B_19619954	Ca_Kabuli_Chr01	NC_021160.1	19619954	AA	GG	GG	INTERGENIC		
SNP_2104B_19619985	Ca_Kabuli_Chr01	NC_021160.1	19619985	GG	AA	AA	INTERGENIC		
SNP_2105B_19619999	Ca_Kabuli_Chr01	NC_021160.1	19619999	CC	GG	GG	INTERGENIC		
SNP_2106B_19620012	Ca_Kabuli_Chr01	NC_021160.1	19620012	GG	AA	AA	INTERGENIC		
SNP_2107B_19620071	Ca_Kabuli_Chr01	NC_021160.1	19620071	TT	AA	AA	INTERGENIC		
SNP_2108B_19626514	Ca_Kabuli_Chr01	NC_021160.1	19626514	AA	GG	GG	INTERGENIC		
SNP_2109B_19627543	Ca_Kabuli_Chr01	NC_021160.1	19627543	TT	CC	CC	INTERGENIC		
SNP_2110B_19627951	Ca_Kabuli_Chr01	NC_021160.1	19627951	TT	CC	CC	INTERGENIC		
SNP_2111B_19649710	Ca_Kabuli_Chr01	NC_021160.1	19649710	CC	TT	TT	INTERGENIC		
SNP_2112B_19650051	Ca_Kabuli_Chr01	NC_021160.1	19650051	AA	GG	GG	INTERGENIC		
SNP_2113B_19697171	Ca_Kabuli_Chr01	NC_021160.1	19697171	CC	TT	TT	INTERGENIC		
SNP_2114B_19697184	Ca_Kabuli_Chr01	NC_021160.1	19697184	CC	TT	TT	INTERGENIC		
SNP_2115B_19697200	Ca_Kabuli_Chr01	NC_021160.1	19697200	AA	GG	GG	INTERGENIC		
SNP_2116B_19728698	Ca_Kabuli_Chr01	NC_021160.1	19728698	AA	GG	GG	INTERGENIC		
SNP_2117B_19812909	Ca_Kabuli_Chr01	NC_021160.1	19812909	GG	AA	AA	INTERGENIC		
SNP_2118B_19812938	Ca_Kabuli_Chr01	NC_021160.1	19812938	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_2119B_19812997	Ca_Kabuli_Chr01	NC_021160.1	19812997	CC	TT	TT	INTERGENIC		
SNP_2120B_19851384	Ca_Kabuli_Chr01	NC_021160.1	19851384	AA	TT	TT	INTERGENIC		
SNP_2121B_19851841	Ca_Kabuli_Chr01	NC_021160.1	19851841	GG	AA	AA	INTERGENIC		
SNP_2122B_19918717	Ca_Kabuli_Chr01	NC_021160.1	19918717	AA	GG	GG	INTERGENIC		
SNP_2123B_19931308	Ca_Kabuli_Chr01	NC_021160.1	19931308	GG	TT	TT	INTERGENIC		
SNP_2124B_19956139	Ca_Kabuli_Chr01	NC_021160.1	19956139	AA	GG	GG	INTERGENIC		
SNP_2125B_20132520	Ca_Kabuli_Chr01	NC_021160.1	20132520	AA	GG	GG	INTERGENIC		
SNP_2126B_21570091	Ca_Kabuli_Chr01	NC_021160.1	21570091	CC	TT	TT	INTERGENIC		
SNP_2127B_21570093	Ca_Kabuli_Chr01	NC_021160.1	21570093	AA	GG	GG	INTERGENIC		
SNP_2128B_21570342	Ca_Kabuli_Chr01	NC_021160.1	21570342	TT	CC	CC	INTERGENIC		
SNP_2129B_21647285	Ca_Kabuli_Chr01	NC_021160.1	21647285	GG	AA	AA	INTERGENIC		
SNP_2130B_21657089	Ca_Kabuli_Chr01	NC_021160.1	21657089	AA	GG	GG	INTERGENIC		
SNP_2131B_21657102	Ca_Kabuli_Chr01	NC_021160.1	21657102	AA	CC	CC	INTERGENIC		
SNP_2132B_21657337	Ca_Kabuli_Chr01	NC_021160.1	21657337	AA	TT	TT	INTERGENIC		
SNP_2133B_21657610	Ca_Kabuli_Chr01	NC_021160.1	21657610	AA	GG	GG	INTERGENIC		
SNP_2134B_21657625	Ca_Kabuli_Chr01	NC_021160.1	21657625	AA	GG	GG	INTERGENIC		
SNP_2135B_21657643	Ca_Kabuli_Chr01	NC_021160.1	21657643	TT	GG	GG	INTERGENIC		
SNP_2136B_21657661	Ca_Kabuli_Chr01	NC_021160.1	21657661	GG	TT	TT	INTERGENIC		
SNP_2137B_21657667	Ca_Kabuli_Chr01	NC_021160.1	21657667	GG	AA	AA	INTERGENIC		
SNP_2138B_21657697	Ca_Kabuli_Chr01	NC_021160.1	21657697	AA	GG	GG	INTERGENIC		
SNP_2139B_21657714	Ca_Kabuli_Chr01	NC_021160.1	21657714	GG	AA	AA	INTERGENIC		
SNP_2141B_21657732	Ca_Kabuli_Chr01	NC_021160.1	21657732	AA	GG	GG	INTERGENIC		
SNP_2142B_21657733	Ca_Kabuli_Chr01	NC_021160.1	21657733	GG	AA	AA	INTERGENIC		
SNP_2143B_21657769	Ca_Kabuli_Chr01	NC_021160.1	21657769	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_2144B_21657787	Ca_Kabuli_Chr01	NC_021160.1	21657787	AA	TT	TT	INTERGENIC		
SNP_2145B_21657811	Ca_Kabuli_Chr01	NC_021160.1	21657811	AA	GG	GG	INTERGENIC		
SNP_2146B_21657817	Ca_Kabuli_Chr01	NC_021160.1	21657817	GG	AA	AA	INTERGENIC		
SNP_2147B_21657838	Ca_Kabuli_Chr01	NC_021160.1	21657838	TT	CC	CC	INTERGENIC		
SNP_2148B_21657847	Ca_Kabuli_Chr01	NC_021160.1	21657847	TT	AA	AA	INTERGENIC		
SNP_2149B_21657850	Ca_Kabuli_Chr01	NC_021160.1	21657850	AA	TT	TT	INTERGENIC		
SNP_2150B_21657859	Ca_Kabuli_Chr01	NC_021160.1	21657859	GG	AA	AA	INTERGENIC		
SNP_2151B_21699877	Ca_Kabuli_Chr01	NC_021160.1	21699877	AA	GG	GG	INTERGENIC		
SNP_2152B_21700172	Ca_Kabuli_Chr01	NC_021160.1	21700172	TT	CC	CC	INTERGENIC		
SNP_2154B_21777576	Ca_Kabuli_Chr01	NC_021160.1	21777576	TT	CC	CC	URR	101491077	Unknown function
SNP_2155B_21777968	Ca_Kabuli_Chr01	NC_021160.1	21777968	AA	GG	GG	URR	101491077	Unknown function
SNP_2156B_21806769	Ca_Kabuli_Chr01	NC_021160.1	21806769	AA	GG	GG	INTERGENIC		
SNP_2157B_21806782	Ca_Kabuli_Chr01	NC_021160.1	21806782	TT	GG	GG	INTERGENIC		
SNP_2158B_21806783	Ca_Kabuli_Chr01	NC_021160.1	21806783	TT	AA	AA	INTERGENIC		
SNP_2159B_21810552	Ca_Kabuli_Chr01	NC_021160.1	21810552	AA	GG	GG	INTERGENIC		
SNP_2162B_22069342	Ca_Kabuli_Chr01	NC_021160.1	22069342	CC	AA	AA	INTERGENIC		
SNP_2163B_22069475	Ca_Kabuli_Chr01	NC_021160.1	22069475	AA	GG	GG	INTERGENIC		
SNP_2164B_22070192	Ca_Kabuli_Chr01	NC_021160.1	22070192	AA	TT	TT	INTERGENIC		
SNP_2165B_22070203	Ca_Kabuli_Chr01	NC_021160.1	22070203	AA	TT	TT	INTERGENIC		
SNP_2166B_22070437	Ca_Kabuli_Chr01	NC_021160.1	22070437	AA	GG	GG	INTERGENIC		
SNP_2167B_22070637	Ca_Kabuli_Chr01	NC_021160.1	22070637	AA	TT	TT	INTERGENIC		
SNP_2168B_22070648	Ca_Kabuli_Chr01	NC_021160.1	22070648	GG	AA	AA	INTERGENIC		
SNP_2169B_22070706	Ca_Kabuli_Chr01	NC_021160.1	22070706	AA	TT	TT	INTERGENIC		
SNP_2170B_22070725	Ca_Kabuli_Chr01	NC_021160.1	22070725	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_2171B_22070779	Ca_Kabuli_Chr01	NC_021160.1	22070779	TT	GG	GG	INTERGENIC		
SNP_2172B_22071007	Ca_Kabuli_Chr01	NC_021160.1	22071007	GG	CC	CC	INTERGENIC		
SNP_2173B_22071039	Ca_Kabuli_Chr01	NC_021160.1	22071039	TT	AA	AA	INTERGENIC		
SNP_2174B_22071052	Ca_Kabuli_Chr01	NC_021160.1	22071052	CC	AA	AA	INTERGENIC		
SNP_2175B_22071071	Ca_Kabuli_Chr01	NC_021160.1	22071071	CC	TT	TT	INTERGENIC		
SNP_2176B_22071314	Ca_Kabuli_Chr01	NC_021160.1	22071314	CC	TT	TT	INTERGENIC		
SNP_2177B_22071320	Ca_Kabuli_Chr01	NC_021160.1	22071320	CC	TT	TT	INTERGENIC		
SNP_2178B_22071565	Ca_Kabuli_Chr01	NC_021160.1	22071565	AA	GG	GG	INTERGENIC		
SNP_2179B_22071805	Ca_Kabuli_Chr01	NC_021160.1	22071805	GG	AA	AA	INTERGENIC		
SNP_2180B_22105441	Ca_Kabuli_Chr01	NC_021160.1	22105441	CC	TT	TT	URR	101496802	uncharacterized LOC101496802
SNP_2181B_22131043	Ca_Kabuli_Chr01	NC_021160.1	22131043	CC	TT	TT	INTERGENIC		
SNP_2182B_22131124	Ca_Kabuli_Chr01	NC_021160.1	22131124	CC	TT	TT	INTERGENIC		
SNP_2183B_22131225	Ca_Kabuli_Chr01	NC_021160.1	22131225	CC	AA	AA	INTERGENIC		
SNP_2185B_22131347	Ca_Kabuli_Chr01	NC_021160.1	22131347	AA	GG	GG	INTERGENIC		
SNP_2186B_22131419	Ca_Kabuli_Chr01	NC_021160.1	22131419	GG	AA	AA	INTERGENIC		
SNP_2187B_22131488	Ca_Kabuli_Chr01	NC_021160.1	22131488	CC	TT	TT	INTERGENIC		
SNP_2189B_22131677	Ca_Kabuli_Chr01	NC_021160.1	22131677	AA	GG	GG	INTERGENIC		
SNP_2190B_22131740	Ca_Kabuli_Chr01	NC_021160.1	22131740	TT	CC	CC	INTERGENIC		
SNP_2191B_22131743	Ca_Kabuli_Chr01	NC_021160.1	22131743	TT	CC	CC	INTERGENIC		
SNP_2192B_22131861	Ca_Kabuli_Chr01	NC_021160.1	22131861	GG	AA	AA	INTERGENIC		
SNP_2193B_22132010	Ca_Kabuli_Chr01	NC_021160.1	22132010	AA	CC	CC	INTERGENIC		
SNP_2194B_22132172	Ca_Kabuli_Chr01	NC_021160.1	22132172	AA	GG	GG	INTERGENIC		
SNP_2195B_22132229	Ca_Kabuli_Chr01	NC_021160.1	22132229	CC	TT	TT	INTERGENIC		
SNP_2196B_22132495	Ca_Kabuli_Chr01	NC_021160.1	22132495	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_2197B_22132506	Ca_Kabuli_Chr01	NC_021160.1	22132506	CC	TT	TT	INTERGENIC		
SNP_2198B_22132542	Ca_Kabuli_Chr01	NC_021160.1	22132542	AA	GG	GG	INTERGENIC		
SNP_2199B_22132550	Ca_Kabuli_Chr01	NC_021160.1	22132550	AA	TT	TT	INTERGENIC		
SNP_2200B_22132578	Ca_Kabuli_Chr01	NC_021160.1	22132578	CC	TT	TT	INTERGENIC		
SNP_2201B_22132899	Ca_Kabuli_Chr01	NC_021160.1	22132899	AA	GG	GG	INTERGENIC		
SNP_2202B_22132980	Ca_Kabuli_Chr01	NC_021160.1	22132980	AA	GG	GG	INTERGENIC		
SNP_2203B_22133069	Ca_Kabuli_Chr01	NC_021160.1	22133069	GG	AA	AA	INTERGENIC		
SNP_2204B_22133117	Ca_Kabuli_Chr01	NC_021160.1	22133117	CC	TT	TT	INTERGENIC		
SNP_2205B_22133125	Ca_Kabuli_Chr01	NC_021160.1	22133125	GG	AA	AA	INTERGENIC		
SNP_2206B_22133130	Ca_Kabuli_Chr01	NC_021160.1	22133130	AA	TT	TT	INTERGENIC		
SNP_2207B_22133140	Ca_Kabuli_Chr01	NC_021160.1	22133140	TT	AA	AA	INTERGENIC		
SNP_2208B_22133171	Ca_Kabuli_Chr01	NC_021160.1	22133171	GG	AA	AA	INTERGENIC		
SNP_2209B_22133214	Ca_Kabuli_Chr01	NC_021160.1	22133214	TT	CC	CC	INTERGENIC		
SNP_2210B_22201071	Ca_Kabuli_Chr01	NC_021160.1	22201071	CC	AA	AA	INTERGENIC		
SNP_2212B_22241534	Ca_Kabuli_Chr01	NC_021160.1	22241534	TT	CC	CC	INTERGENIC		
SNP_2213B_22241602	Ca_Kabuli_Chr01	NC_021160.1	22241602	GG	AA	AA	INTERGENIC		
SNP_2214B_22241632	Ca_Kabuli_Chr01	NC_021160.1	22241632	AA	GG	GG	INTERGENIC		
SNP_2215B_22241634	Ca_Kabuli_Chr01	NC_021160.1	22241634	GG	AA	AA	INTERGENIC		
SNP_2216B_22241848	Ca_Kabuli_Chr01	NC_021160.1	22241848	TT	AA	AA	INTERGENIC		
SNP_2217B_22241925	Ca_Kabuli_Chr01	NC_021160.1	22241925	GG	TT	TT	INTERGENIC		
SNP_2218B_22242083	Ca_Kabuli_Chr01	NC_021160.1	22242083	AA	CC	CC	INTERGENIC		
SNP_2219B_22244563	Ca_Kabuli_Chr01	NC_021160.1	22244563	CC	GG	GG	INTERGENIC		
SNP_2220B_22244565	Ca_Kabuli_Chr01	NC_021160.1	22244565	CC	TT	TT	INTERGENIC		
SNP_2221B_22244596	Ca_Kabuli_Chr01	NC_021160.1	22244596	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_2222B_22244666	Ca_Kabuli_Chr01	NC_021160.1	22244666	TT	AA	AA	INTERGENIC		
SNP_2223B_22244724	Ca_Kabuli_Chr01	NC_021160.1	22244724	AA	GG	GG	INTERGENIC		
SNP_2224B_22244797	Ca_Kabuli_Chr01	NC_021160.1	22244797	AA	TT	TT	INTERGENIC		
SNP_2225B_22244937	Ca_Kabuli_Chr01	NC_021160.1	22244937	GG	AA	AA	INTERGENIC		
SNP_2226B_22244999	Ca_Kabuli_Chr01	NC_021160.1	22244999	TT	AA	AA	INTERGENIC		
SNP_2227B_22245000	Ca_Kabuli_Chr01	NC_021160.1	22245000	TT	GG	GG	INTERGENIC		
SNP_2228B_22245001	Ca_Kabuli_Chr01	NC_021160.1	22245001	TT	GG	GG	INTERGENIC		
SNP_2229B_22245002	Ca_Kabuli_Chr01	NC_021160.1	22245002	GG	CC	CC	INTERGENIC		
SNP_2230B_22245071	Ca_Kabuli_Chr01	NC_021160.1	22245071	GG	AA	AA	INTERGENIC		
SNP_2231B_22245076	Ca_Kabuli_Chr01	NC_021160.1	22245076	CC	AA	AA	INTERGENIC		
SNP_2232B_22245077	Ca_Kabuli_Chr01	NC_021160.1	22245077	CC	TT	TT	INTERGENIC		
SNP_2233B_22245299	Ca_Kabuli_Chr01	NC_021160.1	22245299	AA	CC	CC	INTERGENIC		
SNP_2234B_22270895	Ca_Kabuli_Chr01	NC_021160.1	22270895	GG	AA	AA	INTERGENIC		
SNP_2235B_22271048	Ca_Kabuli_Chr01	NC_021160.1	22271048	AA	GG	GG	INTERGENIC		
SNP_2236B_22285729	Ca_Kabuli_Chr01	NC_021160.1	22285729	TT	CC	CC	URR	101500381	beta-galactosidase-like
SNP_2237B_22285765	Ca_Kabuli_Chr01	NC_021160.1	22285765	TT	CC	CC	URR	101500381	beta-galactosidase-like
SNP_2238B_22293517	Ca_Kabuli_Chr01	NC_021160.1	22293517	AA	CC	CC	INTERGENIC		
SNP_2239B_22293747	Ca_Kabuli_Chr01	NC_021160.1	22293747	TT	GG	GG	INTERGENIC		
SNP_2240B_22297592	Ca_Kabuli_Chr01	NC_021160.1	22297592	GG	AA	AA	DRR	101500692	serine/threonine-protein phosphatase 7 long form homolog
SNP_2241B_22311368	Ca_Kabuli_Chr01	NC_021160.1	22311368	CC	AA	AA	START_GAINED	101501004	probable polyamine oxidase 5
SNP_2242B_22329273	Ca_Kabuli_Chr01	NC_021160.1	22329273	TT	CC	CC	INTERGENIC		
SNP_2243B_22329665	Ca_Kabuli_Chr01	NC_021160.1	22329665	CC	AA	AA	INTERGENIC		
SNP_2244B_22329668	Ca_Kabuli_Chr01	NC_021160.1	22329668	TT	CC	CC	INTERGENIC		
SNP_2245B_22329691	Ca_Kabuli_Chr01	NC_021160.1	22329691	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_2246B_22329707	Ca_Kabuli_Chr01	NC_021160.1	22329707	TT	AA	AA	INTERGENIC		
SNP_2247B_22329747	Ca_Kabuli_Chr01	NC_021160.1	22329747	TT	CC	CC	INTERGENIC		
SNP_2248B_22444156	Ca_Kabuli_Chr01	NC_021160.1	22444156	GG	CC	CC	URR	101503115	translation machinery-associated protein 22
SNP_2249B_22444159	Ca_Kabuli_Chr01	NC_021160.1	22444159	TT	CC	CC	URR	101503115	translation machinery-associated protein 22
SNP_2250B_22444415	Ca_Kabuli_Chr01	NC_021160.1	22444415	GG	AA	AA	URR	101503115	translation machinery-associated protein 22
SNP_2251B_22525569	Ca_Kabuli_Chr01	NC_021160.1	22525569	GG	AA	AA	INTERGENIC		
SNP_2252B_22547089	Ca_Kabuli_Chr01	NC_021160.1	22547089	CC	TT	TT	URR	101511810	cytokinin dehydrogenase 4-like
SNP_2253B_22554027	Ca_Kabuli_Chr01	NC_021160.1	22554027	TT	CC	CC	INTERGENIC		
SNP_2254B_22554028	Ca_Kabuli_Chr01	NC_021160.1	22554028	TT	CC	CC	INTERGENIC		
SNP_2255B_22554053	Ca_Kabuli_Chr01	NC_021160.1	22554053	CC	TT	TT	INTERGENIC		
SNP_2256B_22554093	Ca_Kabuli_Chr01	NC_021160.1	22554093	TT	GG	GG	INTERGENIC		
SNP_2257B_22554103	Ca_Kabuli_Chr01	NC_021160.1	22554103	AA	GG	GG	INTERGENIC		
SNP_2258B_22554122	Ca_Kabuli_Chr01	NC_021160.1	22554122	CC	TT	TT	INTERGENIC		
SNP_2259B_22554135	Ca_Kabuli_Chr01	NC_021160.1	22554135	TT	CC	CC	INTERGENIC		
SNP_2260B_22554161	Ca_Kabuli_Chr01	NC_021160.1	22554161	TT	AA	AA	INTERGENIC		
SNP_2261B_22554467	Ca_Kabuli_Chr01	NC_021160.1	22554467	TT	CC	CC	INTERGENIC		
SNP_2262B_22554476	Ca_Kabuli_Chr01	NC_021160.1	22554476	GG	AA	AA	INTERGENIC		
SNP_2263B_22554513	Ca_Kabuli_Chr01	NC_021160.1	22554513	AA	GG	GG	INTERGENIC		
SNP_2264B_22572485	Ca_Kabuli_Chr01	NC_021160.1	22572485	CC	GG	GG	INTERGENIC		
SNP_2265B_22581367	Ca_Kabuli_Chr01	NC_021160.1	22581367	GG	TT	TT	INTERGENIC		
SNP_2267B_22661495	Ca_Kabuli_Chr01	NC_021160.1	22661495	CC	AA	AA	INTRON	101513095	uncharacterized LOC101513095
SNP_2268B_22664001	Ca_Kabuli_Chr01	NC_021160.1	22664001	AA	CC	CC	INTRON	101513095	uncharacterized LOC101513095
SNP_2269B_22664245	Ca_Kabuli_Chr01	NC_021160.1	22664245	GG	AA	AA	INTRON	101513095	uncharacterized LOC101513095
SNP_2270B_22738733	Ca_Kabuli_Chr01	NC_021160.1	22738733	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_2271B_22738734	Ca_Kabuli_Chr01	NC_021160.1	22738734	TT	GG	GG	INTERGENIC		
SNP_2272B_22807464	Ca_Kabuli_Chr01	NC_021160.1	22807464	CC	TT	TT	INTERGENIC		
SNP_2273B_22825241	Ca_Kabuli_Chr01	NC_021160.1	22825241	AA	CC	CC	INTERGENIC		
SNP_2274B_22863489	Ca_Kabuli_Chr01	NC_021160.1	22863489	CC	TT	TT	INTERGENIC		
SNP_2275B_22884913	Ca_Kabuli_Chr01	NC_021160.1	22884913	TT	CC	CC	INTERGENIC		
SNP_2276B_22885790	Ca_Kabuli_Chr01	NC_021160.1	22885790	AA	TT	TT	INTERGENIC		
SNP_2278B_22885881	Ca_Kabuli_Chr01	NC_021160.1	22885881	TT	AA	AA	INTERGENIC		
SNP_2279B_22886047	Ca_Kabuli_Chr01	NC_021160.1	22886047	CC	TT	TT	INTERGENIC		
SNP_2281B_22886144	Ca_Kabuli_Chr01	NC_021160.1	22886144	AA	GG	GG	INTERGENIC		
SNP_2282B_22886154	Ca_Kabuli_Chr01	NC_021160.1	22886154	AA	TT	TT	INTERGENIC		
SNP_2283B_22886166	Ca_Kabuli_Chr01	NC_021160.1	22886166	AA	GG	GG	INTERGENIC		
SNP_2284B_22886176	Ca_Kabuli_Chr01	NC_021160.1	22886176	AA	GG	GG	INTERGENIC		
SNP_2285B_22896289	Ca_Kabuli_Chr01	NC_021160.1	22896289	CC	TT	TT	INTERGENIC		
SNP_2286B_22896744	Ca_Kabuli_Chr01	NC_021160.1	22896744	CC	TT	TT	INTERGENIC		
SNP_2287B_22896981	Ca_Kabuli_Chr01	NC_021160.1	22896981	TT	GG	GG	INTERGENIC		
SNP_2288B_22897036	Ca_Kabuli_Chr01	NC_021160.1	22897036	CC	GG	GG	INTERGENIC		
SNP_2289B_22897071	Ca_Kabuli_Chr01	NC_021160.1	22897071	TT	CC	CC	INTERGENIC		
SNP_2290B_22897129	Ca_Kabuli_Chr01	NC_021160.1	22897129	GG	AA	AA	INTERGENIC		
SNP_2291B_22897143	Ca_Kabuli_Chr01	NC_021160.1	22897143	GG	CC	CC	INTERGENIC		
SNP_2292B_22897164	Ca_Kabuli_Chr01	NC_021160.1	22897164	CC	AA	AA	INTERGENIC		
SNP_2293B_22897196	Ca_Kabuli_Chr01	NC_021160.1	22897196	TT	CC	CC	INTERGENIC		
SNP_2294B_22897222	Ca_Kabuli_Chr01	NC_021160.1	22897222	CC	GG	GG	INTERGENIC		
SNP_2295B_22897393	Ca_Kabuli_Chr01	NC_021160.1	22897393	AA	TT	TT	INTERGENIC		
SNP_2296B_22897719	Ca_Kabuli_Chr01	NC_021160.1	22897719	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_2297B_22943735	Ca_Kabuli_Chr01	NC_021160.1	22943735	TT	GG	GG	INTERGENIC		
SNP_2298B_22944187	Ca_Kabuli_Chr01	NC_021160.1	22944187	TT	GG	GG	INTERGENIC		
SNP_2300B_22944208	Ca_Kabuli_Chr01	NC_021160.1	22944208	AA	GG	GG	INTERGENIC		
SNP_2301B_22971265	Ca_Kabuli_Chr01	NC_021160.1	22971265	TT	CC	CC	INTERGENIC		
SNP_2302B_23006480	Ca_Kabuli_Chr01	NC_021160.1	23006480	GG	AA	AA	INTERGENIC		
SNP_2303B_23006786	Ca_Kabuli_Chr01	NC_021160.1	23006786	AA	TT	TT	INTERGENIC		
SNP_2304B_23006787	Ca_Kabuli_Chr01	NC_021160.1	23006787	AA	CC	CC	INTERGENIC		
SNP_2305B_23011673	Ca_Kabuli_Chr01	NC_021160.1	23011673	AA	GG	GG	INTERGENIC		
SNP_2306B_23057802	Ca_Kabuli_Chr01	NC_021160.1	23057802	GG	AA	AA	INTERGENIC		
SNP_2307B_23079034	Ca_Kabuli_Chr01	NC_021160.1	23079034	CC	TT	TT	INTERGENIC		
SNP_2308B_23087801	Ca_Kabuli_Chr01	NC_021160.1	23087801	TT	AA	AA	INTERGENIC		
SNP_2309B_23087807	Ca_Kabuli_Chr01	NC_021160.1	23087807	TT	CC	CC	INTERGENIC		
SNP_2310B_23087877	Ca_Kabuli_Chr01	NC_021160.1	23087877	GG	CC	CC	INTERGENIC		
SNP_2311B_23087966	Ca_Kabuli_Chr01	NC_021160.1	23087966	TT	CC	CC	INTERGENIC		
SNP_2312B_23087987	Ca_Kabuli_Chr01	NC_021160.1	23087987	TT	CC	CC	INTERGENIC		
SNP_2313B_23127971	Ca_Kabuli_Chr01	NC_021160.1	23127971	GG	AA	AA	INTRON	101514724	ATP-dependent DNA helicase Q-like 3
SNP_2314B_23218183	Ca_Kabuli_Chr01	NC_021160.1	23218183	TT	AA	AA	INTERGENIC		
SNP_2315B_23426725	Ca_Kabuli_Chr01	NC_021160.1	23426725	TT	CC	CC	INTERGENIC		
SNP_2316B_23535461	Ca_Kabuli_Chr01	NC_021160.1	23535461	TT	CC	CC	INTERGENIC		
SNP_2318B_23577718	Ca_Kabuli_Chr01	NC_021160.1	23577718	TT	CC	CC	INTRON	101503007	uncharacterized LOC101503007
SNP_2319B_23580360	Ca_Kabuli_Chr01	NC_021160.1	23580360	TT	CC	CC	URR	101503007	uncharacterized LOC101503007
SNP_2320B_23616042	Ca_Kabuli_Chr01	NC_021160.1	23616042	GG	TT	TT	URR	101503331	Unknown function
SNP_2321B_23643793	Ca_Kabuli_Chr01	NC_021160.1	23643793	AA	TT	TT	INTERGENIC		
SNP_2322B_23721196	Ca_Kabuli_Chr01	NC_021160.1	23721196	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_2323B_23721197	Ca_Kabuli_Chr01	NC_021160.1	23721197	TT	AA	AA	INTERGENIC		
SNP_2324B_23722738	Ca_Kabuli_Chr01	NC_021160.1	23722738	GG	TT	TT	INTERGENIC		
SNP_2325B_23722746	Ca_Kabuli_Chr01	NC_021160.1	23722746	GG	CC	CC	INTERGENIC		
SNP_2326B_23748141	Ca_Kabuli_Chr01	NC_021160.1	23748141	AA	GG	GG	INTERGENIC		
SNP_2327B_23755516	Ca_Kabuli_Chr01	NC_021160.1	23755516	CC	TT	TT	INTERGENIC		
SNP_2328B_23782439	Ca_Kabuli_Chr01	NC_021160.1	23782439	TT	CC	CC	INTERGENIC		
SNP_2329B_23782511	Ca_Kabuli_Chr01	NC_021160.1	23782511	AA	GG	GG	INTERGENIC		
SNP_2330B_23782551	Ca_Kabuli_Chr01	NC_021160.1	23782551	GG	AA	AA	INTERGENIC		
SNP_2332B_23784996	Ca_Kabuli_Chr01	NC_021160.1	23784996	GG	AA	AA	INTERGENIC		
SNP_2333B_23785030	Ca_Kabuli_Chr01	NC_021160.1	23785030	GG	CC	CC	INTERGENIC		
SNP_2334B_23823218	Ca_Kabuli_Chr01	NC_021160.1	23823218	AA	GG	GG	INTRON	id18672	Unknown function
SNP_2335B_23838600	Ca_Kabuli_Chr01	NC_021160.1	23838600	TT	CC	CC	INTERGENIC		
SNP_2336B_23838664	Ca_Kabuli_Chr01	NC_021160.1	23838664	GG	TT	TT	INTERGENIC		
SNP_2338B_23962283	Ca_Kabuli_Chr01	NC_021160.1	23962283	AA	GG	GG	INTERGENIC		
SNP_2340B_23967267	Ca_Kabuli_Chr01	NC_021160.1	23967267	CC	TT	TT	INTERGENIC		
SNP_2341B_23998474	Ca_Kabuli_Chr01	NC_021160.1	23998474	GG	CC	CC	INTERGENIC		
SNP_2342B_24030435	Ca_Kabuli_Chr01	NC_021160.1	24030435	GG	CC	CC	INTERGENIC		
SNP_2344B_24030577	Ca_Kabuli_Chr01	NC_021160.1	24030577	CC	TT	TT	INTERGENIC		
SNP_2345B_24031098	Ca_Kabuli_Chr01	NC_021160.1	24031098	AA	GG	GG	INTERGENIC		
SNP_2346B_24031144	Ca_Kabuli_Chr01	NC_021160.1	24031144	TT	CC	CC	INTERGENIC		
SNP_2347B_24031378	Ca_Kabuli_Chr01	NC_021160.1	24031378	AA	GG	GG	INTERGENIC		
SNP_2348B_24035057	Ca_Kabuli_Chr01	NC_021160.1	24035057	AA	TT	TT	INTERGENIC		
SNP_2349B_24035417	Ca_Kabuli_Chr01	NC_021160.1	24035417	AA	GG	GG	INTERGENIC		
SNP_2350B_24035478	Ca_Kabuli_Chr01	NC_021160.1	24035478	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_2351B_24035483	Ca_Kabuli_Chr01	NC_021160.1	24035483	TT	CC	CC	INTERGENIC		
SNP_2352B_24035488	Ca_Kabuli_Chr01	NC_021160.1	24035488	AA	GG	GG	INTERGENIC		
SNP_2353B_24035503	Ca_Kabuli_Chr01	NC_021160.1	24035503	CC	GG	GG	INTERGENIC		
SNP_2354B_24035521	Ca_Kabuli_Chr01	NC_021160.1	24035521	AA	CC	CC	INTERGENIC		
SNP_2355B_24035673	Ca_Kabuli_Chr01	NC_021160.1	24035673	TT	CC	CC	INTERGENIC		
SNP_2356B_24035676	Ca_Kabuli_Chr01	NC_021160.1	24035676	TT	CC	CC	INTERGENIC		
SNP_2357B_24035767	Ca_Kabuli_Chr01	NC_021160.1	24035767	TT	CC	CC	INTERGENIC		
SNP_2358B_24035781	Ca_Kabuli_Chr01	NC_021160.1	24035781	TT	GG	GG	INTERGENIC		
SNP_2359B_24172058	Ca_Kabuli_Chr01	NC_021160.1	24172058	AA	GG	GG	INTERGENIC		
SNP_2360B_24179555	Ca_Kabuli_Chr01	NC_021160.1	24179555	AA	GG	GG	URR	101501106	C-type lectin receptor-like tyrosine-protein kinase At1g52310
SNP_2361B_24194706	Ca_Kabuli_Chr01	NC_021160.1	24194706	AA	CC	CC	INTERGENIC		
SNP_2362B_24228569	Ca_Kabuli_Chr01	NC_021160.1	24228569	GG	TT	TT	URR	101501420	3-oxoacyl-[acyl-carrier-protein] synthase II, chloroplastic-like
SNP_2363B_24255992	Ca_Kabuli_Chr01	NC_021160.1	24255992	GG	AA	AA	INTERGENIC		
SNP_2364B_24255994	Ca_Kabuli_Chr01	NC_021160.1	24255994	AA	GG	GG	INTERGENIC		
SNP_2365B_24256029	Ca_Kabuli_Chr01	NC_021160.1	24256029	AA	TT	TT	INTERGENIC		
SNP_2366B_24256034	Ca_Kabuli_Chr01	NC_021160.1	24256034	TT	CC	CC	INTERGENIC		
SNP_2367B_24301183	Ca_Kabuli_Chr01	NC_021160.1	24301183	CC	AA	AA	INTERGENIC		
SNP_2368B_24331376	Ca_Kabuli_Chr01	NC_021160.1	24331376	AA	GG	GG	INTERGENIC		
SNP_2369B_24331533	Ca_Kabuli_Chr01	NC_021160.1	24331533	AA	GG	GG	INTERGENIC		
SNP_2370B_24331583	Ca_Kabuli_Chr01	NC_021160.1	24331583	AA	GG	GG	INTERGENIC		
SNP_2371B_24331593	Ca_Kabuli_Chr01	NC_021160.1	24331593	GG	AA	AA	INTERGENIC		
SNP_2372B_24502055	Ca_Kabuli_Chr01	NC_021160.1	24502055	AA	CC	CC	INTRON	101507755	sterol 3-beta-glucosyltransferase UGT80A2
SNP_2373B_24508584	Ca_Kabuli_Chr01	NC_021160.1	24508584	AA	GG	GG	NON_SYNONYMOUS_CODING	101507755	sterol 3-beta-glucosyltransferase UGT80A2
SNP_2374B_24543871	Ca_Kabuli_Chr01	NC_021160.1	24543871	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_2375B_24592227	Ca_Kabuli_Chr01	NC_021160.1	24592227	AA	GG	GG	INTERGENIC		
SNP_2376B_24592252	Ca_Kabuli_Chr01	NC_021160.1	24592252	AA	TT	TT	INTERGENIC		
SNP_2377B_24592270	Ca_Kabuli_Chr01	NC_021160.1	24592270	GG	AA	AA	INTERGENIC		
SNP_2378B_24603254	Ca_Kabuli_Chr01	NC_021160.1	24603254	TT	CC	CC	INTERGENIC		
SNP_2379B_24603276	Ca_Kabuli_Chr01	NC_021160.1	24603276	TT	CC	CC	INTERGENIC		
SNP_2380B_24603693	Ca_Kabuli_Chr01	NC_021160.1	24603693	TT	CC	CC	INTERGENIC		
SNP_2381B_24626603	Ca_Kabuli_Chr01	NC_021160.1	24626603	TT	AA	AA	INTERGENIC		
SNP_2383B_24912699	Ca_Kabuli_Chr01	NC_021160.1	24912699	TT	CC	CC	INTERGENIC		
SNP_2384B_25014375	Ca_Kabuli_Chr01	NC_021160.1	25014375	TT	CC	CC	INTERGENIC		
SNP_2385B_25037706	Ca_Kabuli_Chr01	NC_021160.1	25037706	AA	GG	GG	INTERGENIC		
SNP_2386B_25058117	Ca_Kabuli_Chr01	NC_021160.1	25058117	GG	AA	AA	INTRON	101494944	pectinesterase/pectinesterase inhibitor PPE8B-like
SNP_2387B_25058362	Ca_Kabuli_Chr01	NC_021160.1	25058362	AA	CC	CC	INTRON	101494944	pectinesterase/pectinesterase inhibitor PPE8B-like
SNP_2388B_25233425	Ca_Kabuli_Chr01	NC_021160.1	25233425	AA	GG	GG	INTERGENIC		
SNP_2389B_25234184	Ca_Kabuli_Chr01	NC_021160.1	25234184	TT	CC	CC	INTERGENIC		
SNP_2390B_25234279	Ca_Kabuli_Chr01	NC_021160.1	25234279	TT	CC	CC	INTERGENIC		
SNP_2391B_25234352	Ca_Kabuli_Chr01	NC_021160.1	25234352	GG	AA	AA	INTERGENIC		
SNP_2392B_25272285	Ca_Kabuli_Chr01	NC_021160.1	25272285	GG	AA	AA	INTERGENIC		
SNP_2393B_25296114	Ca_Kabuli_Chr01	NC_021160.1	25296114	TT	CC	CC	INTERGENIC		
SNP_2394B_25296409	Ca_Kabuli_Chr01	NC_021160.1	25296409	CC	TT	TT	INTERGENIC		
SNP_2396B_25296532	Ca_Kabuli_Chr01	NC_021160.1	25296532	CC	TT	TT	INTERGENIC		
SNP_2397B_25296685	Ca_Kabuli_Chr01	NC_021160.1	25296685	AA	GG	GG	INTERGENIC		
SNP_2398B_25373788	Ca_Kabuli_Chr01	NC_021160.1	25373788	GG	TT	TT	INTERGENIC		
SNP_2399B_25373824	Ca_Kabuli_Chr01	NC_021160.1	25373824	AA	GG	GG	INTERGENIC		
SNP_2400B_25381737	Ca_Kabuli_Chr01	NC_021160.1	25381737	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_2401B_25381860	Ca_Kabuli_Chr01	NC_021160.1	25381860	TT	CC	CC	INTERGENIC		
SNP_2403B_25382445	Ca_Kabuli_Chr01	NC_021160.1	25382445	GG	TT	TT	INTERGENIC		
SNP_2404B_25382447	Ca_Kabuli_Chr01	NC_021160.1	25382447	TT	CC	CC	INTERGENIC		
SNP_2405B_25382597	Ca_Kabuli_Chr01	NC_021160.1	25382597	GG	AA	AA	INTERGENIC		
SNP_2406B_25382604	Ca_Kabuli_Chr01	NC_021160.1	25382604	TT	AA	AA	INTERGENIC		
SNP_2407B_25387739	Ca_Kabuli_Chr01	NC_021160.1	25387739	AA	CC	CC	INTERGENIC		
SNP_2409B_25410971	Ca_Kabuli_Chr01	NC_021160.1	25410971	GG	AA	AA	URR	101497234	1,4-dihydroxy-2-naphthoyl-CoA thioesterase 1
SNP_2411B_25452169	Ca_Kabuli_Chr01	NC_021160.1	25452169	CC	AA	AA	INTERGENIC		
SNP_2412B_25460258	Ca_Kabuli_Chr01	NC_021160.1	25460258	GG	AA	AA	INTERGENIC		
SNP_2413B_25507696	Ca_Kabuli_Chr01	NC_021160.1	25507696	TT	CC	CC	INTERGENIC		
SNP_2415B_25510060	Ca_Kabuli_Chr01	NC_021160.1	25510060	AA	GG	GG	INTERGENIC		
SNP_2416B_25511419	Ca_Kabuli_Chr01	NC_021160.1	25511419	CC	TT	TT	INTERGENIC		
SNP_2417B_25571945	Ca_Kabuli_Chr01	NC_021160.1	25571945	CC	AA	AA	INTERGENIC		
SNP_2418B_25571968	Ca_Kabuli_Chr01	NC_021160.1	25571968	AA	GG	GG	INTERGENIC		
SNP_2419B_25572027	Ca_Kabuli_Chr01	NC_021160.1	25572027	AA	GG	GG	INTERGENIC		
SNP_2420B_25584050	Ca_Kabuli_Chr01	NC_021160.1	25584050	AA	GG	GG	INTERGENIC		
SNP_2421B_25584093	Ca_Kabuli_Chr01	NC_021160.1	25584093	GG	AA	AA	INTERGENIC		
SNP_2422B_25608434	Ca_Kabuli_Chr01	NC_021160.1	25608434	TT	CC	CC	INTERGENIC		
SNP_2423B_25612830	Ca_Kabuli_Chr01	NC_021160.1	25612830	TT	AA	AA	INTERGENIC		
SNP_2424B_25612844	Ca_Kabuli_Chr01	NC_021160.1	25612844	TT	AA	AA	INTERGENIC		
SNP_2425B_25612893	Ca_Kabuli_Chr01	NC_021160.1	25612893	GG	CC	CC	INTERGENIC		
SNP_2426B_25639893	Ca_Kabuli_Chr01	NC_021160.1	25639893	AA	GG	GG	URR	101508804	uncharacterized LOC101508804
SNP_2427B_25681649	Ca_Kabuli_Chr01	NC_021160.1	25681649	AA	GG	GG	INTERGENIC		
SNP_2428B_25769069	Ca_Kabuli_Chr01	NC_021160.1	25769069	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_2429B_25778810	Ca_Kabuli_Chr01	NC_021160.1	25778810	AA	CC	CC	INTERGENIC		
SNP_2430B_25786446	Ca_Kabuli_Chr01	NC_021160.1	25786446	CC	TT	TT	INTERGENIC		
SNP_2431B_25796334	Ca_Kabuli_Chr01	NC_021160.1	25796334	AA	GG	GG	INTERGENIC		
SNP_2432B_25802448	Ca_Kabuli_Chr01	NC_021160.1	25802448	GG	AA	AA	INTERGENIC		
SNP_2433B_25802460	Ca_Kabuli_Chr01	NC_021160.1	25802460	GG	AA	AA	INTERGENIC		
SNP_2434B_25802461	Ca_Kabuli_Chr01	NC_021160.1	25802461	AA	GG	GG	INTERGENIC		
SNP_2435B_25824861	Ca_Kabuli_Chr01	NC_021160.1	25824861	TT	GG	GG	INTERGENIC		
SNP_2436B_25824930	Ca_Kabuli_Chr01	NC_021160.1	25824930	TT	CC	CC	INTERGENIC		
SNP_2437B_25824937	Ca_Kabuli_Chr01	NC_021160.1	25824937	TT	CC	CC	INTERGENIC		
SNP_2438B_25824956	Ca_Kabuli_Chr01	NC_021160.1	25824956	TT	CC	CC	INTERGENIC		
SNP_2439B_25824984	Ca_Kabuli_Chr01	NC_021160.1	25824984	GG	TT	TT	INTERGENIC		
SNP_2440B_25824995	Ca_Kabuli_Chr01	NC_021160.1	25824995	CC	TT	TT	INTERGENIC		
SNP_2441B_25825009	Ca_Kabuli_Chr01	NC_021160.1	25825009	TT	GG	GG	INTERGENIC		
SNP_2442B_25825037	Ca_Kabuli_Chr01	NC_021160.1	25825037	CC	TT	TT	INTERGENIC		
SNP_2443B_25832940	Ca_Kabuli_Chr01	NC_021160.1	25832940	TT	CC	CC	INTERGENIC		
SNP_2444B_25832941	Ca_Kabuli_Chr01	NC_021160.1	25832941	TT	GG	GG	INTERGENIC		
SNP_2445B_25833239	Ca_Kabuli_Chr01	NC_021160.1	25833239	CC	TT	TT	INTERGENIC		
SNP_2446B_25837300	Ca_Kabuli_Chr01	NC_021160.1	25837300	AA	GG	GG	INTERGENIC		
SNP_2447B_25890677	Ca_Kabuli_Chr01	NC_021160.1	25890677	AA	GG	GG	INTERGENIC		
SNP_2448B_25909057	Ca_Kabuli_Chr01	NC_021160.1	25909057	CC	AA	AA	INTERGENIC		
SNP_2449B_26014195	Ca_Kabuli_Chr01	NC_021160.1	26014195	TT	AA	AA	INTERGENIC		
SNP_2450B_26014202	Ca_Kabuli_Chr01	NC_021160.1	26014202	TT	CC	CC	INTERGENIC		
SNP_2451B_26014210	Ca_Kabuli_Chr01	NC_021160.1	26014210	TT	CC	CC	INTERGENIC		
SNP_2452B_26014596	Ca_Kabuli_Chr01	NC_021160.1	26014596	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_2453B_26075351	Ca_Kabuli_Chr01	NC_021160.1	26075351	CC	TT	TT	INTRON	101509778	Unknown function
SNP_2454B_26075501	Ca_Kabuli_Chr01	NC_021160.1	26075501	CC	TT	TT	INTRON	101509778	Unknown function
SNP_2455B_26075553	Ca_Kabuli_Chr01	NC_021160.1	26075553	GG	AA	AA	INTRON	101509778	Unknown function
SNP_2456B_26075565	Ca_Kabuli_Chr01	NC_021160.1	26075565	AA	GG	GG	INTRON	101509778	Unknown function
SNP_2458B_26077437	Ca_Kabuli_Chr01	NC_021160.1	26077437	AA	GG	GG	INTRON	101509778	Unknown function
SNP_2459B_26077443	Ca_Kabuli_Chr01	NC_021160.1	26077443	GG	AA	AA	INTRON	101509778	Unknown function
SNP_2460B_26077473	Ca_Kabuli_Chr01	NC_021160.1	26077473	GG	AA	AA	INTRON	101509778	Unknown function
SNP_2461B_26077521	Ca_Kabuli_Chr01	NC_021160.1	26077521	CC	TT	TT	INTRON	101509778	Unknown function
SNP_2462B_26077524	Ca_Kabuli_Chr01	NC_021160.1	26077524	TT	CC	CC	INTRON	101509778	Unknown function
SNP_2463B_26091944	Ca_Kabuli_Chr01	NC_021160.1	26091944	GG	AA	AA	INTERGENIC		
SNP_2464B_26099401	Ca_Kabuli_Chr01	NC_021160.1	26099401	CC	AA	AA	INTERGENIC		
SNP_2465B_26099439	Ca_Kabuli_Chr01	NC_021160.1	26099439	CC	AA	AA	INTERGENIC		
SNP_2466B_26099447	Ca_Kabuli_Chr01	NC_021160.1	26099447	CC	TT	TT	INTERGENIC		
SNP_2467B_26108615	Ca_Kabuli_Chr01	NC_021160.1	26108615	CC	AA	AA	INTERGENIC		
SNP_2468B_26125777	Ca_Kabuli_Chr01	NC_021160.1	26125777	GG	CC	CC	INTERGENIC		
SNP_2469B_26125826	Ca_Kabuli_Chr01	NC_021160.1	26125826	TT	GG	GG	INTERGENIC		
SNP_2470B_26125855	Ca_Kabuli_Chr01	NC_021160.1	26125855	AA	GG	GG	INTERGENIC		
SNP_2471B_26125886	Ca_Kabuli_Chr01	NC_021160.1	26125886	AA	GG	GG	INTERGENIC		
SNP_2472B_26125956	Ca_Kabuli_Chr01	NC_021160.1	26125956	CC	TT	TT	INTERGENIC		
SNP_2473B_26143694	Ca_Kabuli_Chr01	NC_021160.1	26143694	GG	AA	AA	URR	101504545	pentatricopeptide repeat-containing protein At2g44880-like
SNP_2474B_26143696	Ca_Kabuli_Chr01	NC_021160.1	26143696	GG	AA	AA	URR	101504545	pentatricopeptide repeat-containing protein At2g44880-like
SNP_2475B_26155179	Ca_Kabuli_Chr01	NC_021160.1	26155179	AA	TT	TT	NON_SYNONYMOUS_CODING	101504858	subtilisin-like protease SBT2.5
SNP_2476B_26202911	Ca_Kabuli_Chr01	NC_021160.1	26202911	TT	AA	AA	INTERGENIC		
SNP_2477B_26203013	Ca_Kabuli_Chr01	NC_021160.1	26203013	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_2478B_26203069	Ca_Kabuli_Chr01	NC_021160.1	26203069	GG	AA	AA	INTERGENIC		
SNP_2479B_26210734	Ca_Kabuli_Chr01	NC_021160.1	26210734	AA	CC	CC	INTERGENIC		
SNP_2480B_26223091	Ca_Kabuli_Chr01	NC_021160.1	26223091	TT	AA	AA	INTERGENIC		
SNP_2481B_26245860	Ca_Kabuli_Chr01	NC_021160.1	26245860	TT	CC	CC	INTERGENIC		
SNP_2482B_26245915	Ca_Kabuli_Chr01	NC_021160.1	26245915	TT	CC	CC	INTERGENIC		
SNP_2483B_26245928	Ca_Kabuli_Chr01	NC_021160.1	26245928	GG	AA	AA	INTERGENIC		
SNP_2484B_26245970	Ca_Kabuli_Chr01	NC_021160.1	26245970	AA	TT	TT	INTERGENIC		
SNP_2485B_26246189	Ca_Kabuli_Chr01	NC_021160.1	26246189	CC	TT	TT	INTERGENIC		
SNP_2486B_26246231	Ca_Kabuli_Chr01	NC_021160.1	26246231	AA	GG	GG	INTERGENIC		
SNP_2487B_26246535	Ca_Kabuli_Chr01	NC_021160.1	26246535	GG	AA	AA	INTERGENIC		
SNP_2488B_26246604	Ca_Kabuli_Chr01	NC_021160.1	26246604	TT	CC	CC	INTERGENIC		
SNP_2489B_26246629	Ca_Kabuli_Chr01	NC_021160.1	26246629	GG	CC	CC	INTERGENIC		
SNP_2490B_26246636	Ca_Kabuli_Chr01	NC_021160.1	26246636	AA	CC	CC	INTERGENIC		
SNP_2491B_26246699	Ca_Kabuli_Chr01	NC_021160.1	26246699	TT	CC	CC	INTERGENIC		
SNP_2492B_26246714	Ca_Kabuli_Chr01	NC_021160.1	26246714	TT	AA	AA	INTERGENIC		
SNP_2494B_26247575	Ca_Kabuli_Chr01	NC_021160.1	26247575	CC	TT	TT	INTERGENIC		
SNP_2495B_26291618	Ca_Kabuli_Chr01	NC_021160.1	26291618	AA	GG	GG	INTERGENIC		
SNP_2496B_26291639	Ca_Kabuli_Chr01	NC_021160.1	26291639	GG	CC	CC	INTERGENIC		
SNP_2497B_26291644	Ca_Kabuli_Chr01	NC_021160.1	26291644	AA	TT	TT	INTERGENIC		
SNP_2498B_26298196	Ca_Kabuli_Chr01	NC_021160.1	26298196	TT	CC	CC	INTERGENIC		
SNP_2499B_26302138	Ca_Kabuli_Chr01	NC_021160.1	26302138	CC	TT	TT	INTERGENIC		
SNP_2500B_26309217	Ca_Kabuli_Chr01	NC_021160.1	26309217	GG	CC	CC	INTERGENIC		
SNP_2501B_26309225	Ca_Kabuli_Chr01	NC_021160.1	26309225	TT	AA	AA	INTERGENIC		
SNP_2502B_26309253	Ca_Kabuli_Chr01	NC_021160.1	26309253	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_2503B_26309292	Ca_Kabuli_Chr01	NC_021160.1	26309292	AA	GG	GG	INTERGENIC		
SNP_2504B_26309293	Ca_Kabuli_Chr01	NC_021160.1	26309293	CC	TT	TT	INTERGENIC		
SNP_2505B_26309302	Ca_Kabuli_Chr01	NC_021160.1	26309302	TT	GG	GG	INTERGENIC		
SNP_2506B_26309592	Ca_Kabuli_Chr01	NC_021160.1	26309592	TT	GG	GG	INTERGENIC		
SNP_2507B_26348023	Ca_Kabuli_Chr01	NC_021160.1	26348023	AA	GG	GG	INTERGENIC		
SNP_2508B_26348027	Ca_Kabuli_Chr01	NC_021160.1	26348027	TT	CC	CC	INTERGENIC		
SNP_2509B_26366587	Ca_Kabuli_Chr01	NC_021160.1	26366587	AA	CC	CC	DRR	101506135	protein LSD1-like
SNP_2511B_26407617	Ca_Kabuli_Chr01	NC_021160.1	26407617	CC	TT	TT	INTERGENIC		
SNP_2512B_26407632	Ca_Kabuli_Chr01	NC_021160.1	26407632	CC	TT	TT	INTERGENIC		
SNP_2513B_26438192	Ca_Kabuli_Chr01	NC_021160.1	26438192	AA	GG	GG	INTERGENIC		
SNP_2517B_26489583	Ca_Kabuli_Chr01	NC_021160.1	26489583	GG	AA	AA	INTERGENIC		
SNP_2518B_26489584	Ca_Kabuli_Chr01	NC_021160.1	26489584	TT	CC	CC	INTERGENIC		
SNP_2519B_26496897	Ca_Kabuli_Chr01	NC_021160.1	26496897	TT	CC	CC	INTERGENIC		
SNP_2520B_26502764	Ca_Kabuli_Chr01	NC_021160.1	26502764	GG	AA	AA	INTERGENIC		
SNP_2521B_26590900	Ca_Kabuli_Chr01	NC_021160.1	26590900	TT	GG	GG	INTERGENIC		
SNP_2522B_26591096	Ca_Kabuli_Chr01	NC_021160.1	26591096	AA	GG	GG	INTERGENIC		
SNP_2523B_26591111	Ca_Kabuli_Chr01	NC_021160.1	26591111	AA	CC	CC	INTERGENIC		
SNP_2524B_26611341	Ca_Kabuli_Chr01	NC_021160.1	26611341	GG	AA	AA	INTERGENIC		
SNP_2525B_26656962	Ca_Kabuli_Chr01	NC_021160.1	26656962	GG	AA	AA	INTERGENIC		
SNP_2526B_26657125	Ca_Kabuli_Chr01	NC_021160.1	26657125	TT	AA	AA	INTERGENIC		
SNP_2527B_26657126	Ca_Kabuli_Chr01	NC_021160.1	26657126	TT	CC	CC	INTERGENIC		
SNP_2528B_26660661	Ca_Kabuli_Chr01	NC_021160.1	26660661	CC	TT	TT	INTERGENIC		
SNP_2529B_26682972	Ca_Kabuli_Chr01	NC_021160.1	26682972	TT	GG	GG	DRR	101508496	Unknown function
SNP_2531B_26691640	Ca_Kabuli_Chr01	NC_021160.1	26691640	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_2532B_26691649	Ca_Kabuli_Chr01	NC_021160.1	26691649	GG	TT	TT	INTERGENIC		
SNP_2535B_27059024	Ca_Kabuli_Chr01	NC_021160.1	27059024	TT	CC	CC	URR	101491710	uncharacterized LOC101491710
SNP_2536B_27059039	Ca_Kabuli_Chr01	NC_021160.1	27059039	TT	CC	CC	URR	101491710	uncharacterized LOC101491710
SNP_2537B_27059089	Ca_Kabuli_Chr01	NC_021160.1	27059089	GG	AA	AA	URR	101491710	uncharacterized LOC101491710
SNP_2538B_27059448	Ca_Kabuli_Chr01	NC_021160.1	27059448	TT	AA	AA	URR	101491710	uncharacterized LOC101491710
SNP_2539B_27107180	Ca_Kabuli_Chr01	NC_021160.1	27107180	AA	GG	GG	INTERGENIC		
SNP_2540B_27107189	Ca_Kabuli_Chr01	NC_021160.1	27107189	AA	TT	TT	INTERGENIC		
SNP_2541B_27107190	Ca_Kabuli_Chr01	NC_021160.1	27107190	TT	GG	GG	INTERGENIC		
SNP_2542B_27107208	Ca_Kabuli_Chr01	NC_021160.1	27107208	GG	AA	AA	INTERGENIC		
SNP_2543B_27107264	Ca_Kabuli_Chr01	NC_021160.1	27107264	CC	TT	TT	INTERGENIC		
SNP_2544B_27143553	Ca_Kabuli_Chr01	NC_021160.1	27143553	TT	CC	CC	INTERGENIC		
SNP_2547B_27160694	Ca_Kabuli_Chr01	NC_021160.1	27160694	AA	GG	GG	INTERGENIC		
SNP_2548B_27160710	Ca_Kabuli_Chr01	NC_021160.1	27160710	GG	AA	AA	INTERGENIC		
SNP_2549B_27160730	Ca_Kabuli_Chr01	NC_021160.1	27160730	TT	CC	CC	INTERGENIC		
SNP_2550B_27203799	Ca_Kabuli_Chr01	NC_021160.1	27203799	AA	GG	GG	INTERGENIC		
SNP_2553B_27234063	Ca_Kabuli_Chr01	NC_021160.1	27234063	GG	AA	AA	INTERGENIC		
SNP_2554B_27234064	Ca_Kabuli_Chr01	NC_021160.1	27234064	GG	AA	AA	INTERGENIC		
SNP_2555B_27234072	Ca_Kabuli_Chr01	NC_021160.1	27234072	AA	TT	TT	INTERGENIC		
SNP_2556B_27254703	Ca_Kabuli_Chr01	NC_021160.1	27254703	AA	GG	GG	INTERGENIC		
SNP_2557B_27254710	Ca_Kabuli_Chr01	NC_021160.1	27254710	TT	CC	CC	INTERGENIC		
SNP_2558B_27254727	Ca_Kabuli_Chr01	NC_021160.1	27254727	AA	GG	GG	INTERGENIC		
SNP_2559B_27254732	Ca_Kabuli_Chr01	NC_021160.1	27254732	TT	CC	CC	INTERGENIC		
SNP_2561B_27263682	Ca_Kabuli_Chr01	NC_021160.1	27263682	AA	GG	GG	INTERGENIC		
SNP_2562B_27263704	Ca_Kabuli_Chr01	NC_021160.1	27263704	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_2563B_27263791	Ca_Kabuli_Chr01	NC_021160.1	27263791	CC	TT	TT	INTERGENIC		
SNP_2564B_27263955	Ca_Kabuli_Chr01	NC_021160.1	27263955	AA	CC	CC	INTERGENIC		
SNP_2565B_27264040	Ca_Kabuli_Chr01	NC_021160.1	27264040	AA	GG	GG	INTERGENIC		
SNP_2566B_27264069	Ca_Kabuli_Chr01	NC_021160.1	27264069	AA	CC	CC	INTERGENIC		
SNP_2567B_27264125	Ca_Kabuli_Chr01	NC_021160.1	27264125	TT	CC	CC	INTERGENIC		
SNP_2568B_27264187	Ca_Kabuli_Chr01	NC_021160.1	27264187	GG	AA	AA	INTERGENIC		
SNP_2569B_27264854	Ca_Kabuli_Chr01	NC_021160.1	27264854	TT	GG	GG	INTERGENIC		
SNP_2570B_27282619	Ca_Kabuli_Chr01	NC_021160.1	27282619	AA	TT	TT	INTERGENIC		
SNP_2571B_27282641	Ca_Kabuli_Chr01	NC_021160.1	27282641	TT	GG	GG	INTERGENIC		
SNP_2572B_27282654	Ca_Kabuli_Chr01	NC_021160.1	27282654	AA	GG	GG	INTERGENIC		
SNP_2573B_27282683	Ca_Kabuli_Chr01	NC_021160.1	27282683	TT	CC	CC	INTERGENIC		
SNP_2574B_27282716	Ca_Kabuli_Chr01	NC_021160.1	27282716	CC	TT	TT	INTERGENIC		
SNP_2575B_27282731	Ca_Kabuli_Chr01	NC_021160.1	27282731	GG	AA	AA	INTERGENIC		
SNP_2576B_27282736	Ca_Kabuli_Chr01	NC_021160.1	27282736	AA	TT	TT	INTERGENIC		
SNP_2578B_27296939	Ca_Kabuli_Chr01	NC_021160.1	27296939	TT	CC	CC	INTERGENIC		
SNP_2579B_27300714	Ca_Kabuli_Chr01	NC_021160.1	27300714	AA	CC	CC	INTERGENIC		
SNP_2580B_27300848	Ca_Kabuli_Chr01	NC_021160.1	27300848	TT	CC	CC	INTERGENIC		
SNP_2581B_27301072	Ca_Kabuli_Chr01	NC_021160.1	27301072	AA	GG	GG	INTERGENIC		
SNP_2582B_27301079	Ca_Kabuli_Chr01	NC_021160.1	27301079	TT	CC	CC	INTERGENIC		
SNP_2583B_27301390	Ca_Kabuli_Chr01	NC_021160.1	27301390	AA	GG	GG	INTERGENIC		
SNP_2584B_27301438	Ca_Kabuli_Chr01	NC_021160.1	27301438	GG	TT	TT	INTERGENIC		
SNP_2585B_27320057	Ca_Kabuli_Chr01	NC_021160.1	27320057	CC	TT	TT	INTERGENIC		
SNP_2586B_27320063	Ca_Kabuli_Chr01	NC_021160.1	27320063	AA	GG	GG	INTERGENIC		
SNP_2587B_27320641	Ca_Kabuli_Chr01	NC_021160.1	27320641	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_2588B_27320642	Ca_Kabuli_Chr01	NC_021160.1	27320642	TT	AA	AA	INTERGENIC		
SNP_2590B_27320987	Ca_Kabuli_Chr01	NC_021160.1	27320987	AA	GG	GG	INTERGENIC		
SNP_2591B_27348313	Ca_Kabuli_Chr01	NC_021160.1	27348313	GG	AA	AA	INTERGENIC		
SNP_2592B_27366486	Ca_Kabuli_Chr01	NC_021160.1	27366486	TT	AA	AA	INTERGENIC		
SNP_2593B_27394081	Ca_Kabuli_Chr01	NC_021160.1	27394081	AA	CC	CC	INTERGENIC		
SNP_2594B_27403397	Ca_Kabuli_Chr01	NC_021160.1	27403397	AA	TT	TT	INTERGENIC		
SNP_2595B_27403436	Ca_Kabuli_Chr01	NC_021160.1	27403436	TT	GG	GG	INTERGENIC		
SNP_2596B_27403500	Ca_Kabuli_Chr01	NC_021160.1	27403500	AA	CC	CC	INTERGENIC		
SNP_2597B_27403604	Ca_Kabuli_Chr01	NC_021160.1	27403604	AA	GG	GG	INTERGENIC		
SNP_2598B_27403646	Ca_Kabuli_Chr01	NC_021160.1	27403646	AA	CC	CC	INTERGENIC		
SNP_2599B_27418715	Ca_Kabuli_Chr01	NC_021160.1	27418715	TT	AA	AA	INTERGENIC		
SNP_2600B_27564545	Ca_Kabuli_Chr01	NC_021160.1	27564545	AA	GG	GG	INTRON	101499820	protein ENHANCED DISEASE RESISTANCE 2-like
SNP_2602B_27597049	Ca_Kabuli_Chr01	NC_021160.1	27597049	AA	TT	TT	INTERGENIC		
SNP_2603B_27597070	Ca_Kabuli_Chr01	NC_021160.1	27597070	GG	AA	AA	INTERGENIC		
SNP_2605B_27597542	Ca_Kabuli_Chr01	NC_021160.1	27597542	GG	CC	CC	INTERGENIC		
SNP_2606B_27597550	Ca_Kabuli_Chr01	NC_021160.1	27597550	TT	CC	CC	INTERGENIC		
SNP_2607B_27637343	Ca_Kabuli_Chr01	NC_021160.1	27637343	TT	AA	AA	INTERGENIC		
SNP_2608B_27637393	Ca_Kabuli_Chr01	NC_021160.1	27637393	CC	TT	TT	INTERGENIC		
SNP_2609B_27637395	Ca_Kabuli_Chr01	NC_021160.1	27637395	AA	TT	TT	INTERGENIC		
SNP_2610B_27637644	Ca_Kabuli_Chr01	NC_021160.1	27637644	TT	AA	AA	INTERGENIC		
SNP_2611B_27637675	Ca_Kabuli_Chr01	NC_021160.1	27637675	TT	CC	CC	INTERGENIC		
SNP_2612B_27666919	Ca_Kabuli_Chr01	NC_021160.1	27666919	TT	CC	CC	INTERGENIC		
SNP_2613B_27689180	Ca_Kabuli_Chr01	NC_021160.1	27689180	TT	CC	CC	INTERGENIC		
SNP_2614B_27689211	Ca_Kabuli_Chr01	NC_021160.1	27689211	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_2615B_27689307	Ca_Kabuli_Chr01	NC_021160.1	27689307	CC	TT	TT	INTERGENIC		
SNP_2616B_27689308	Ca_Kabuli_Chr01	NC_021160.1	27689308	AA	CC	CC	INTERGENIC		
SNP_2617B_27689579	Ca_Kabuli_Chr01	NC_021160.1	27689579	AA	GG	GG	INTERGENIC		
SNP_2618B_27770662	Ca_Kabuli_Chr01	NC_021160.1	27770662	AA	GG	GG	INTERGENIC		
SNP_2619B_27770680	Ca_Kabuli_Chr01	NC_021160.1	27770680	AA	GG	GG	INTERGENIC		
SNP_2620B_27772990	Ca_Kabuli_Chr01	NC_021160.1	27772990	AA	CC	CC	INTERGENIC		
SNP_2621B_27773061	Ca_Kabuli_Chr01	NC_021160.1	27773061	GG	AA	AA	INTERGENIC		
SNP_2622B_27773141	Ca_Kabuli_Chr01	NC_021160.1	27773141	CC	TT	TT	INTERGENIC		
SNP_2623B_27773147	Ca_Kabuli_Chr01	NC_021160.1	27773147	TT	CC	CC	INTERGENIC		
SNP_2624B_27773283	Ca_Kabuli_Chr01	NC_021160.1	27773283	GG	TT	TT	INTERGENIC		
SNP_2625B_27773318	Ca_Kabuli_Chr01	NC_021160.1	27773318	TT	CC	CC	INTERGENIC		
SNP_2626B_27773686	Ca_Kabuli_Chr01	NC_021160.1	27773686	TT	AA	AA	INTERGENIC		
SNP_2627B_27773802	Ca_Kabuli_Chr01	NC_021160.1	27773802	AA	GG	GG	INTERGENIC		
SNP_2628B_27819057	Ca_Kabuli_Chr01	NC_021160.1	27819057	AA	CC	CC	INTERGENIC		
SNP_2629B_27819248	Ca_Kabuli_Chr01	NC_021160.1	27819248	TT	CC	CC	INTERGENIC		
SNP_2630B_27819303	Ca_Kabuli_Chr01	NC_021160.1	27819303	TT	CC	CC	INTERGENIC		
SNP_2631B_27850324	Ca_Kabuli_Chr01	NC_021160.1	27850324	CC	TT	TT	INTERGENIC		
SNP_2632B_27857598	Ca_Kabuli_Chr01	NC_021160.1	27857598	CC	TT	TT	DRR	101513970	uncharacterized LOC101513970
SNP_2633B_27904692	Ca_Kabuli_Chr01	NC_021160.1	27904692	CC	TT	TT	INTERGENIC		
SNP_2634B_27904706	Ca_Kabuli_Chr01	NC_021160.1	27904706	CC	GG	GG	INTERGENIC		
SNP_2635B_28010557	Ca_Kabuli_Chr01	NC_021160.1	28010557	GG	AA	AA	INTERGENIC		
SNP_2636B_28010612	Ca_Kabuli_Chr01	NC_021160.1	28010612	TT	CC	CC	INTERGENIC		
SNP_2637B_28010626	Ca_Kabuli_Chr01	NC_021160.1	28010626	CC	TT	TT	INTERGENIC		
SNP_2638B_28010806	Ca_Kabuli_Chr01	NC_021160.1	28010806	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_2639B_28010833	Ca_Kabuli_Chr01	NC_021160.1	28010833	TT	CC	CC	INTERGENIC		
SNP_2640B_28043627	Ca_Kabuli_Chr01	NC_021160.1	28043627	CC	TT	TT	INTERGENIC		
SNP_2641B_28086024	Ca_Kabuli_Chr01	NC_021160.1	28086024	GG	AA	AA	INTRON	101504313	vacuolar protein sorting-associated protein 54, chloroplastic
SNP_2642B_28095427	Ca_Kabuli_Chr01	NC_021160.1	28095427	TT	GG	GG	INTERGENIC		
SNP_2643B_28096172	Ca_Kabuli_Chr01	NC_021160.1	28096172	GG	AA	AA	INTERGENIC		
SNP_2644B_28096207	Ca_Kabuli_Chr01	NC_021160.1	28096207	AA	GG	GG	INTERGENIC		
SNP_2645B_28096208	Ca_Kabuli_Chr01	NC_021160.1	28096208	AA	TT	TT	INTERGENIC		
SNP_2646B_28096256	Ca_Kabuli_Chr01	NC_021160.1	28096256	TT	CC	CC	INTERGENIC		
SNP_2647B_28171032	Ca_Kabuli_Chr01	NC_021160.1	28171032	CC	TT	TT	INTERGENIC		
SNP_2648B_28316309	Ca_Kabuli_Chr01	NC_021160.1	28316309	TT	CC	CC	INTERGENIC		
SNP_2649B_28316575	Ca_Kabuli_Chr01	NC_021160.1	28316575	TT	CC	CC	INTERGENIC		
SNP_2651B_28346379	Ca_Kabuli_Chr01	NC_021160.1	28346379	CC	TT	TT	INTRON	101505921	uncharacterized LOC101505921
SNP_2652B_28353602	Ca_Kabuli_Chr01	NC_021160.1	28353602	TT	CC	CC	INTERGENIC		
SNP_2653B_28449331	Ca_Kabuli_Chr01	NC_021160.1	28449331	AA	GG	GG	DRR	101490650	Unknown function
SNP_2654B_28449352	Ca_Kabuli_Chr01	NC_021160.1	28449352	TT	GG	GG	DRR	101490650	Unknown function
SNP_2655B_28449457	Ca_Kabuli_Chr01	NC_021160.1	28449457	AA	GG	GG	URR	101490331	Unknown function
SNP_2656B_28449474	Ca_Kabuli_Chr01	NC_021160.1	28449474	TT	CC	CC	URR	101490331	Unknown function
SNP_2657B_28449562	Ca_Kabuli_Chr01	NC_021160.1	28449562	AA	GG	GG	URR	101490331	Unknown function
SNP_2658B_28449597	Ca_Kabuli_Chr01	NC_021160.1	28449597	AA	CC	CC	URR	101490331	Unknown function
SNP_2659B_28449611	Ca_Kabuli_Chr01	NC_021160.1	28449611	AA	GG	GG	URR	101490331	Unknown function
SNP_2660B_28449676	Ca_Kabuli_Chr01	NC_021160.1	28449676	AA	GG	GG	URR	101490331	Unknown function
SNP_2661B_28449773	Ca_Kabuli_Chr01	NC_021160.1	28449773	TT	CC	CC	URR	101490331	Unknown function
SNP_2662B_28449779	Ca_Kabuli_Chr01	NC_021160.1	28449779	AA	GG	GG	URR	101490331	Unknown function
SNP_2663B_28449793	Ca_Kabuli_Chr01	NC_021160.1	28449793	AA	GG	GG	URR	101490331	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_2664B_28449806	Ca_Kabuli_Chr01	NC_021160.1	28449806	CC	GG	GG	URR	101490331	Unknown function
SNP_2665B_28449869	Ca_Kabuli_Chr01	NC_021160.1	28449869	TT	CC	CC	URR	101490331	Unknown function
SNP_2667B_28468135	Ca_Kabuli_Chr01	NC_021160.1	28468135	CC	AA	AA	INTERGENIC		
SNP_2668B_28468299	Ca_Kabuli_Chr01	NC_021160.1	28468299	CC	AA	AA	INTERGENIC		
SNP_2669B_28468426	Ca_Kabuli_Chr01	NC_021160.1	28468426	AA	CC	CC	INTERGENIC		
SNP_2670B_28469091	Ca_Kabuli_Chr01	NC_021160.1	28469091	TT	AA	AA	INTERGENIC		
SNP_2672B_28550166	Ca_Kabuli_Chr01	NC_021160.1	28550166	CC	AA	AA	INTERGENIC		
SNP_2673B_28550404	Ca_Kabuli_Chr01	NC_021160.1	28550404	GG	AA	AA	INTERGENIC		
SNP_2675B_28550467	Ca_Kabuli_Chr01	NC_021160.1	28550467	AA	TT	TT	INTERGENIC		
SNP_2676B_28550468	Ca_Kabuli_Chr01	NC_021160.1	28550468	TT	CC	CC	INTERGENIC		
SNP_2677B_28550494	Ca_Kabuli_Chr01	NC_021160.1	28550494	AA	CC	CC	INTERGENIC		
SNP_2680B_28793899	Ca_Kabuli_Chr01	NC_021160.1	28793899	CC	TT	TT	INTERGENIC		
SNP_2681B_28807607	Ca_Kabuli_Chr01	NC_021160.1	28807607	AA	TT	TT	URR	101511378	uncharacterized LOC101511378
SNP_2682B_28807772	Ca_Kabuli_Chr01	NC_021160.1	28807772	AA	CC	CC	URR	101511378	uncharacterized LOC101511378
SNP_2683B_28826413	Ca_Kabuli_Chr01	NC_021160.1	28826413	TT	AA	AA	INTERGENIC		
SNP_2684B_28891060	Ca_Kabuli_Chr01	NC_021160.1	28891060	AA	GG	GG	INTERGENIC		
SNP_2685B_28891076	Ca_Kabuli_Chr01	NC_021160.1	28891076	AA	GG	GG	INTERGENIC		
SNP_2686B_28891079	Ca_Kabuli_Chr01	NC_021160.1	28891079	GG	TT	TT	INTERGENIC		
SNP_2687B_28891083	Ca_Kabuli_Chr01	NC_021160.1	28891083	AA	GG	GG	INTERGENIC		
SNP_2688B_28892184	Ca_Kabuli_Chr01	NC_021160.1	28892184	TT	AA	AA	INTERGENIC		
SNP_2689B_28905200	Ca_Kabuli_Chr01	NC_021160.1	28905200	GG	TT	TT	INTERGENIC		
SNP_2690B_28905217	Ca_Kabuli_Chr01	NC_021160.1	28905217	GG	AA	AA	INTERGENIC		
SNP_2691B_28905278	Ca_Kabuli_Chr01	NC_021160.1	28905278	TT	AA	AA	INTERGENIC		
SNP_2692B_28905307	Ca_Kabuli_Chr01	NC_021160.1	28905307	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_2693B_28905318	Ca_Kabuli_Chr01	NC_021160.1	28905318	AA	TT	TT	INTERGENIC		
SNP_2694B_28905393	Ca_Kabuli_Chr01	NC_021160.1	28905393	TT	CC	CC	INTERGENIC		
SNP_2695B_28905422	Ca_Kabuli_Chr01	NC_021160.1	28905422	AA	GG	GG	INTERGENIC		
SNP_2696B_28905426	Ca_Kabuli_Chr01	NC_021160.1	28905426	GG	AA	AA	INTERGENIC		
SNP_2697B_28905467	Ca_Kabuli_Chr01	NC_021160.1	28905467	AA	CC	CC	INTERGENIC		
SNP_2698B_28905490	Ca_Kabuli_Chr01	NC_021160.1	28905490	CC	AA	AA	INTERGENIC		
SNP_2699B_28905531	Ca_Kabuli_Chr01	NC_021160.1	28905531	CC	TT	TT	INTERGENIC		
SNP_2700B_28905542	Ca_Kabuli_Chr01	NC_021160.1	28905542	TT	CC	CC	INTERGENIC		
SNP_2701B_28905560	Ca_Kabuli_Chr01	NC_021160.1	28905560	TT	CC	CC	INTERGENIC		
SNP_2702B_28905606	Ca_Kabuli_Chr01	NC_021160.1	28905606	AA	GG	GG	INTERGENIC		
SNP_2703B_28905638	Ca_Kabuli_Chr01	NC_021160.1	28905638	GG	AA	AA	INTERGENIC		
SNP_2704B_28905770	Ca_Kabuli_Chr01	NC_021160.1	28905770	TT	GG	GG	INTERGENIC		
SNP_2705B_28905795	Ca_Kabuli_Chr01	NC_021160.1	28905795	GG	AA	AA	INTERGENIC		
SNP_2706B_28905952	Ca_Kabuli_Chr01	NC_021160.1	28905952	CC	AA	AA	INTERGENIC		
SNP_2707B_28905958	Ca_Kabuli_Chr01	NC_021160.1	28905958	AA	TT	TT	INTERGENIC		
SNP_2708B_28906046	Ca_Kabuli_Chr01	NC_021160.1	28906046	TT	AA	AA	INTERGENIC		
SNP_2709B_28906083	Ca_Kabuli_Chr01	NC_021160.1	28906083	TT	GG	GG	INTERGENIC		
SNP_2710B_28906209	Ca_Kabuli_Chr01	NC_021160.1	28906209	TT	AA	AA	INTERGENIC		
SNP_2711B_28906216	Ca_Kabuli_Chr01	NC_021160.1	28906216	GG	TT	TT	INTERGENIC		
SNP_2712B_28906260	Ca_Kabuli_Chr01	NC_021160.1	28906260	AA	GG	GG	INTERGENIC		
SNP_2713B_28906605	Ca_Kabuli_Chr01	NC_021160.1	28906605	AA	TT	TT	DRR	101493891	sugar transport protein 1-like
SNP_2714B_28906642	Ca_Kabuli_Chr01	NC_021160.1	28906642	AA	GG	GG	DRR	101493891	sugar transport protein 1-like
SNP_2716B_28906731	Ca_Kabuli_Chr01	NC_021160.1	28906731	AA	GG	GG	DRR	101493891	sugar transport protein 1-like
SNP_2717B_28906864	Ca_Kabuli_Chr01	NC_021160.1	28906864	TT	CC	CC	DRR	101493891	sugar transport protein 1-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_2718B_28906869	Ca_Kabuli_Chr01	NC_021160.1	28906869	AA	CC	CC	DRR	101493891	sugar transport protein 1-like
SNP_2719B_28906886	Ca_Kabuli_Chr01	NC_021160.1	28906886	CC	AA	AA	DRR	101493891	sugar transport protein 1-like
SNP_2720B_28906892	Ca_Kabuli_Chr01	NC_021160.1	28906892	CC	GG	GG	DRR	101493891	sugar transport protein 1-like
SNP_2721B_28906919	Ca_Kabuli_Chr01	NC_021160.1	28906919	AA	GG	GG	DRR	101493891	sugar transport protein 1-like
SNP_2722B_28906929	Ca_Kabuli_Chr01	NC_021160.1	28906929	GG	TT	TT	DRR	101493891	sugar transport protein 1-like
SNP_2723B_28906961	Ca_Kabuli_Chr01	NC_021160.1	28906961	AA	GG	GG	DRR	101493891	sugar transport protein 1-like
SNP_2724B_28909932	Ca_Kabuli_Chr01	NC_021160.1	28909932	AA	CC	CC	URR	101493891	sugar transport protein 1-like
SNP_2725B_28909941	Ca_Kabuli_Chr01	NC_021160.1	28909941	CC	TT	TT	URR	101493891	sugar transport protein 1-like
SNP_2726B_28910026	Ca_Kabuli_Chr01	NC_021160.1	28910026	CC	AA	AA	URR	101493891	sugar transport protein 1-like
SNP_2727B_28910152	Ca_Kabuli_Chr01	NC_021160.1	28910152	GG	TT	TT	URR	101493891	sugar transport protein 1-like
SNP_2728B_28910235	Ca_Kabuli_Chr01	NC_021160.1	28910235	GG	CC	CC	URR	101493891	sugar transport protein 1-like
SNP_2729B_28910243	Ca_Kabuli_Chr01	NC_021160.1	28910243	CC	TT	TT	URR	101493891	sugar transport protein 1-like
SNP_2731B_28910355	Ca_Kabuli_Chr01	NC_021160.1	28910355	CC	TT	TT	URR	101493891	sugar transport protein 1-like
SNP_2734B_28910512	Ca_Kabuli_Chr01	NC_021160.1	28910512	TT	CC	CC	URR	101493891	sugar transport protein 1-like
SNP_2735B_28910677	Ca_Kabuli_Chr01	NC_021160.1	28910677	AA	GG	GG	URR	101493891	sugar transport protein 1-like
SNP_2736B_28910998	Ca_Kabuli_Chr01	NC_021160.1	28910998	AA	TT	TT	URR	101493891	sugar transport protein 1-like
SNP_2737B_28911004	Ca_Kabuli_Chr01	NC_021160.1	28911004	TT	CC	CC	URR	101493891	sugar transport protein 1-like
SNP_2738B_28911072	Ca_Kabuli_Chr01	NC_021160.1	28911072	AA	CC	CC	URR	101493891	sugar transport protein 1-like
SNP_2739B_28911098	Ca_Kabuli_Chr01	NC_021160.1	28911098	GG	CC	CC	URR	101493891	sugar transport protein 1-like
SNP_2740B_28911365	Ca_Kabuli_Chr01	NC_021160.1	28911365	AA	GG	GG	URR	101493891	sugar transport protein 1-like
SNP_2741B_28913149	Ca_Kabuli_Chr01	NC_021160.1	28913149	CC	TT	TT	INTERGENIC		
SNP_2742B_28915395	Ca_Kabuli_Chr01	NC_021160.1	28915395	AA	GG	GG	INTERGENIC		
SNP_2743B_28915429	Ca_Kabuli_Chr01	NC_021160.1	28915429	GG	AA	AA	INTERGENIC		
SNP_2744B_28915453	Ca_Kabuli_Chr01	NC_021160.1	28915453	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_2745B_28916548	Ca_Kabuli_Chr01	NC_021160.1	28916548	AA	CC	CC	INTERGENIC		
SNP_2746B_28916651	Ca_Kabuli_Chr01	NC_021160.1	28916651	TT	CC	CC	INTERGENIC		
SNP_2747B_28916679	Ca_Kabuli_Chr01	NC_021160.1	28916679	AA	CC	CC	INTERGENIC		
SNP_2748B_28916692	Ca_Kabuli_Chr01	NC_021160.1	28916692	CC	TT	TT	INTERGENIC		
SNP_2749B_28916786	Ca_Kabuli_Chr01	NC_021160.1	28916786	TT	CC	CC	INTERGENIC		
SNP_2750B_28916839	Ca_Kabuli_Chr01	NC_021160.1	28916839	CC	GG	GG	INTERGENIC		
SNP_2751B_28916864	Ca_Kabuli_Chr01	NC_021160.1	28916864	AA	CC	CC	INTERGENIC		
SNP_2752B_28917064	Ca_Kabuli_Chr01	NC_021160.1	28917064	CC	TT	TT	INTERGENIC		
SNP_2753B_28917083	Ca_Kabuli_Chr01	NC_021160.1	28917083	CC	AA	AA	INTERGENIC		
SNP_2754B_28927984	Ca_Kabuli_Chr01	NC_021160.1	28927984	AA	TT	TT	INTERGENIC		
SNP_2755B_28929192	Ca_Kabuli_Chr01	NC_021160.1	28929192	TT	AA	AA	INTERGENIC		
SNP_2756B_28929193	Ca_Kabuli_Chr01	NC_021160.1	28929193	GG	TT	TT	INTERGENIC		
SNP_2757B_28929247	Ca_Kabuli_Chr01	NC_021160.1	28929247	CC	TT	TT	INTERGENIC		
SNP_2758B_28929562	Ca_Kabuli_Chr01	NC_021160.1	28929562	AA	CC	CC	INTERGENIC		
SNP_2759B_28929642	Ca_Kabuli_Chr01	NC_021160.1	28929642	GG	AA	AA	INTERGENIC		
SNP_2760B_28929764	Ca_Kabuli_Chr01	NC_021160.1	28929764	CC	TT	TT	INTERGENIC		
SNP_2761B_28929809	Ca_Kabuli_Chr01	NC_021160.1	28929809	GG	AA	AA	INTERGENIC		
SNP_2762B_28929823	Ca_Kabuli_Chr01	NC_021160.1	28929823	CC	GG	GG	INTERGENIC		
SNP_2763B_28929995	Ca_Kabuli_Chr01	NC_021160.1	28929995	CC	TT	TT	INTERGENIC		
SNP_2764B_28930070	Ca_Kabuli_Chr01	NC_021160.1	28930070	TT	AA	AA	INTERGENIC		
SNP_2765B_28930079	Ca_Kabuli_Chr01	NC_021160.1	28930079	AA	GG	GG	INTERGENIC		
SNP_2766B_28930093	Ca_Kabuli_Chr01	NC_021160.1	28930093	AA	GG	GG	INTERGENIC		
SNP_2767B_28930140	Ca_Kabuli_Chr01	NC_021160.1	28930140	AA	GG	GG	INTERGENIC		
SNP_2768B_28930167	Ca_Kabuli_Chr01	NC_021160.1	28930167	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_2769B_28930225	Ca_Kabuli_Chr01	NC_021160.1	28930225	GG	TT	TT	INTERGENIC		
SNP_2770B_28930252	Ca_Kabuli_Chr01	NC_021160.1	28930252	AA	GG	GG	INTERGENIC		
SNP_2771B_28930310	Ca_Kabuli_Chr01	NC_021160.1	28930310	CC	TT	TT	INTERGENIC		
SNP_2772B_28930318	Ca_Kabuli_Chr01	NC_021160.1	28930318	CC	GG	GG	INTERGENIC		
SNP_2774B_28930718	Ca_Kabuli_Chr01	NC_021160.1	28930718	GG	AA	AA	INTERGENIC		
SNP_2775B_28935849	Ca_Kabuli_Chr01	NC_021160.1	28935849	AA	GG	GG	INTERGENIC		
SNP_2776B_28935858	Ca_Kabuli_Chr01	NC_021160.1	28935858	AA	GG	GG	INTERGENIC		
SNP_2777B_28936044	Ca_Kabuli_Chr01	NC_021160.1	28936044	CC	AA	AA	INTERGENIC		
SNP_2778B_28936045	Ca_Kabuli_Chr01	NC_021160.1	28936045	AA	TT	TT	INTERGENIC		
SNP_2779B_28936061	Ca_Kabuli_Chr01	NC_021160.1	28936061	CC	TT	TT	INTERGENIC		
SNP_2780B_28936166	Ca_Kabuli_Chr01	NC_021160.1	28936166	AA	GG	GG	INTERGENIC		
SNP_2781B_28936174	Ca_Kabuli_Chr01	NC_021160.1	28936174	AA	GG	GG	INTERGENIC		
SNP_2782B_28939299	Ca_Kabuli_Chr01	NC_021160.1	28939299	CC	TT	TT	INTERGENIC		
SNP_2783B_28939389	Ca_Kabuli_Chr01	NC_021160.1	28939389	TT	AA	AA	INTERGENIC		
SNP_2784B_28939505	Ca_Kabuli_Chr01	NC_021160.1	28939505	GG	CC	CC	INTERGENIC		
SNP_2785B_28939530	Ca_Kabuli_Chr01	NC_021160.1	28939530	CC	AA	AA	INTERGENIC		
SNP_2786B_28939628	Ca_Kabuli_Chr01	NC_021160.1	28939628	GG	CC	CC	INTERGENIC		
SNP_2787B_28939679	Ca_Kabuli_Chr01	NC_021160.1	28939679	AA	TT	TT	INTERGENIC		
SNP_2788B_28939701	Ca_Kabuli_Chr01	NC_021160.1	28939701	TT	CC	CC	INTERGENIC		
SNP_2789B_28939756	Ca_Kabuli_Chr01	NC_021160.1	28939756	AA	GG	GG	INTERGENIC		
SNP_2790B_28939777	Ca_Kabuli_Chr01	NC_021160.1	28939777	CC	AA	AA	INTERGENIC		
SNP_2791B_28939860	Ca_Kabuli_Chr01	NC_021160.1	28939860	AA	GG	GG	INTERGENIC		
SNP_2792B_28939866	Ca_Kabuli_Chr01	NC_021160.1	28939866	CC	TT	TT	INTERGENIC		
SNP_2793B_28939983	Ca_Kabuli_Chr01	NC_021160.1	28939983	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_2794B_28940012	Ca_Kabuli_Chr01	NC_021160.1	28940012	AA	GG	GG	INTERGENIC		
SNP_2795B_28940049	Ca_Kabuli_Chr01	NC_021160.1	28940049	TT	GG	GG	INTERGENIC		
SNP_2796B_28940078	Ca_Kabuli_Chr01	NC_021160.1	28940078	GG	CC	CC	INTERGENIC		
SNP_2797B_28940085	Ca_Kabuli_Chr01	NC_021160.1	28940085	TT	CC	CC	INTERGENIC		
SNP_2798B_28940357	Ca_Kabuli_Chr01	NC_021160.1	28940357	GG	TT	TT	INTERGENIC		
SNP_2799B_28940402	Ca_Kabuli_Chr01	NC_021160.1	28940402	AA	GG	GG	INTERGENIC		
SNP_2800B_28940760	Ca_Kabuli_Chr01	NC_021160.1	28940760	AA	GG	GG	INTERGENIC		
SNP_2801B_28941278	Ca_Kabuli_Chr01	NC_021160.1	28941278	TT	GG	GG	INTERGENIC		
SNP_2802B_28941379	Ca_Kabuli_Chr01	NC_021160.1	28941379	CC	TT	TT	INTERGENIC		
SNP_2803B_28941429	Ca_Kabuli_Chr01	NC_021160.1	28941429	GG	AA	AA	INTERGENIC		
SNP_2804B_28941466	Ca_Kabuli_Chr01	NC_021160.1	28941466	CC	TT	TT	INTERGENIC		
SNP_2806B_28941659	Ca_Kabuli_Chr01	NC_021160.1	28941659	CC	AA	AA	INTERGENIC		
SNP_2807B_28941662	Ca_Kabuli_Chr01	NC_021160.1	28941662	CC	TT	TT	INTERGENIC		
SNP_2808B_28941663	Ca_Kabuli_Chr01	NC_021160.1	28941663	AA	GG	GG	INTERGENIC		
SNP_2809B_28941670	Ca_Kabuli_Chr01	NC_021160.1	28941670	TT	AA	AA	INTERGENIC		
SNP_2810B_28941742	Ca_Kabuli_Chr01	NC_021160.1	28941742	CC	AA	AA	INTERGENIC		
SNP_2811B_28941762	Ca_Kabuli_Chr01	NC_021160.1	28941762	TT	CC	CC	INTERGENIC		
SNP_2813B_28942004	Ca_Kabuli_Chr01	NC_021160.1	28942004	GG	AA	AA	INTERGENIC		
SNP_2814B_28942045	Ca_Kabuli_Chr01	NC_021160.1	28942045	GG	TT	TT	INTERGENIC		
SNP_2815B_28942180	Ca_Kabuli_Chr01	NC_021160.1	28942180	AA	CC	CC	INTERGENIC		
SNP_2816B_28942266	Ca_Kabuli_Chr01	NC_021160.1	28942266	AA	GG	GG	INTERGENIC		
SNP_2817B_28943412	Ca_Kabuli_Chr01	NC_021160.1	28943412	GG	AA	AA	INTERGENIC		
SNP_2818B_28943538	Ca_Kabuli_Chr01	NC_021160.1	28943538	AA	GG	GG	INTERGENIC		
SNP_2820B_28943569	Ca_Kabuli_Chr01	NC_021160.1	28943569	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_2821B_28943671	Ca_Kabuli_Chr01	NC_021160.1	28943671	CC	AA	AA	INTERGENIC		
SNP_2822B_28943779	Ca_Kabuli_Chr01	NC_021160.1	28943779	AA	GG	GG	INTERGENIC		
SNP_2823B_28943893	Ca_Kabuli_Chr01	NC_021160.1	28943893	CC	TT	TT	INTERGENIC		
SNP_2824B_28943947	Ca_Kabuli_Chr01	NC_021160.1	28943947	AA	TT	TT	INTERGENIC		
SNP_2825B_28944007	Ca_Kabuli_Chr01	NC_021160.1	28944007	GG	AA	AA	INTERGENIC		
SNP_2827B_28944080	Ca_Kabuli_Chr01	NC_021160.1	28944080	GG	TT	TT	INTERGENIC		
SNP_2828B_28944126	Ca_Kabuli_Chr01	NC_021160.1	28944126	AA	TT	TT	INTERGENIC		
SNP_2829B_28944156	Ca_Kabuli_Chr01	NC_021160.1	28944156	GG	AA	AA	INTERGENIC		
SNP_2830B_28944300	Ca_Kabuli_Chr01	NC_021160.1	28944300	TT	CC	CC	INTERGENIC		
SNP_2831B_28944329	Ca_Kabuli_Chr01	NC_021160.1	28944329	GG	TT	TT	INTERGENIC		
SNP_2833B_28944579	Ca_Kabuli_Chr01	NC_021160.1	28944579	AA	GG	GG	INTERGENIC		
SNP_2834B_28944631	Ca_Kabuli_Chr01	NC_021160.1	28944631	CC	TT	TT	INTERGENIC		
SNP_2835B_28944672	Ca_Kabuli_Chr01	NC_021160.1	28944672	GG	TT	TT	INTERGENIC		
SNP_2836B_28944675	Ca_Kabuli_Chr01	NC_021160.1	28944675	AA	GG	GG	INTERGENIC		
SNP_2837B_28944714	Ca_Kabuli_Chr01	NC_021160.1	28944714	GG	TT	TT	INTERGENIC		
SNP_2838B_29029030	Ca_Kabuli_Chr01	NC_021160.1	29029030	AA	TT	TT	INTERGENIC		
SNP_2839B_29029054	Ca_Kabuli_Chr01	NC_021160.1	29029054	TT	CC	CC	INTERGENIC		
SNP_2840B_29029074	Ca_Kabuli_Chr01	NC_021160.1	29029074	CC	TT	TT	INTERGENIC		
SNP_2841B_29029393	Ca_Kabuli_Chr01	NC_021160.1	29029393	TT	CC	CC	INTERGENIC		
SNP_2843B_29157356	Ca_Kabuli_Chr01	NC_021160.1	29157356	GG	TT	TT	INTERGENIC		
SNP_2844B_29163335	Ca_Kabuli_Chr01	NC_021160.1	29163335	CC	TT	TT	INTERGENIC		
SNP_2845B_29163338	Ca_Kabuli_Chr01	NC_021160.1	29163338	GG	AA	AA	INTERGENIC		
SNP_2846B_29163398	Ca_Kabuli_Chr01	NC_021160.1	29163398	CC	TT	TT	INTERGENIC		
SNP_2847B_29163405	Ca_Kabuli_Chr01	NC_021160.1	29163405	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_2848B_29163423	Ca_Kabuli_Chr01	NC_021160.1	29163423	TT	GG	GG	INTERGENIC		
SNP_2849B_29246112	Ca_Kabuli_Chr01	NC_021160.1	29246112	TT	AA	AA	INTERGENIC		
SNP_2850B_29353595	Ca_Kabuli_Chr01	NC_021160.1	29353595	AA	GG	GG	INTERGENIC		
SNP_2851B_29360043	Ca_Kabuli_Chr01	NC_021160.1	29360043	TT	CC	CC	INTERGENIC		
SNP_2852B_29386772	Ca_Kabuli_Chr01	NC_021160.1	29386772	TT	AA	AA	URR	101498449	uncharacterized LOC101498449
SNP_2853B_29386833	Ca_Kabuli_Chr01	NC_021160.1	29386833	TT	AA	AA	URR	101498449	uncharacterized LOC101498449
SNP_2856B_29422282	Ca_Kabuli_Chr01	NC_021160.1	29422282	AA	GG	GG	INTERGENIC		
SNP_2858B_29422611	Ca_Kabuli_Chr01	NC_021160.1	29422611	TT	CC	CC	INTERGENIC		
SNP_2859B_29422614	Ca_Kabuli_Chr01	NC_021160.1	29422614	GG	AA	AA	INTERGENIC		
SNP_2860B_29455281	Ca_Kabuli_Chr01	NC_021160.1	29455281	TT	CC	CC	INTERGENIC		
SNP_2861B_29455349	Ca_Kabuli_Chr01	NC_021160.1	29455349	AA	GG	GG	INTERGENIC		
SNP_2862B_29505805	Ca_Kabuli_Chr01	NC_021160.1	29505805	TT	AA	AA	INTERGENIC		
SNP_2863B_29505832	Ca_Kabuli_Chr01	NC_021160.1	29505832	CC	TT	TT	INTERGENIC		
SNP_2864B_29505833	Ca_Kabuli_Chr01	NC_021160.1	29505833	AA	GG	GG	INTERGENIC		
SNP_2865B_29505861	Ca_Kabuli_Chr01	NC_021160.1	29505861	GG	AA	AA	INTERGENIC		
SNP_2867B_29524402	Ca_Kabuli_Chr01	NC_021160.1	29524402	AA	GG	GG	INTERGENIC		
SNP_2868B_29525008	Ca_Kabuli_Chr01	NC_021160.1	29525008	CC	TT	TT	INTERGENIC		
SNP_2869B_29525017	Ca_Kabuli_Chr01	NC_021160.1	29525017	CC	TT	TT	INTERGENIC		
SNP_2870B_29525026	Ca_Kabuli_Chr01	NC_021160.1	29525026	CC	TT	TT	INTERGENIC		
SNP_2871B_29526338	Ca_Kabuli_Chr01	NC_021160.1	29526338	AA	TT	TT	INTERGENIC		
SNP_2872B_29539009	Ca_Kabuli_Chr01	NC_021160.1	29539009	AA	GG	GG	INTERGENIC		
SNP_2873B_29539159	Ca_Kabuli_Chr01	NC_021160.1	29539159	GG	AA	AA	INTERGENIC		
SNP_2874B_29540142	Ca_Kabuli_Chr01	NC_021160.1	29540142	AA	GG	GG	INTERGENIC		
SNP_2875B_29572249	Ca_Kabuli_Chr01	NC_021160.1	29572249	AA	GG	GG	URR	101503250	uncharacterized LOC101503250

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_2876B_29572311	Ca_Kabuli_Chr01	NC_021160.1	29572311	TT	CC	CC	URR	101503250	uncharacterized LOC101503250
SNP_2877B_29572442	Ca_Kabuli_Chr01	NC_021160.1	29572442	GG	AA	AA	URR	101503250	uncharacterized LOC101503250
SNP_2878B_29576180	Ca_Kabuli_Chr01	NC_021160.1	29576180	TT	CC	CC	INTERGENIC		
SNP_2879B_29589521	Ca_Kabuli_Chr01	NC_021160.1	29589521	AA	CC	CC	INTERGENIC		
SNP_2880B_29589535	Ca_Kabuli_Chr01	NC_021160.1	29589535	AA	GG	GG	INTERGENIC		
SNP_2881B_29619593	Ca_Kabuli_Chr01	NC_021160.1	29619593	CC	AA	AA	INTRON	101502600	uncharacterized LOC101502600
SNP_2882B_29620230	Ca_Kabuli_Chr01	NC_021160.1	29620230	GG	TT	TT	URR	101502600	uncharacterized LOC101502600
SNP_2883B_29636688	Ca_Kabuli_Chr01	NC_021160.1	29636688	GG	CC	CC	URR	101502393	uncharacterized LOC101502393
SNP_2885B_29636959	Ca_Kabuli_Chr01	NC_021160.1	29636959	AA	GG	GG	URR	101502393	uncharacterized LOC101502393
SNP_2887B_29637110	Ca_Kabuli_Chr01	NC_021160.1	29637110	CC	TT	TT	URR	101502393	uncharacterized LOC101502393
SNP_2888B_29637157	Ca_Kabuli_Chr01	NC_021160.1	29637157	AA	GG	GG	URR	101502393	uncharacterized LOC101502393
SNP_2889B_29637342	Ca_Kabuli_Chr01	NC_021160.1	29637342	AA	GG	GG	URR	101502393	uncharacterized LOC101502393
SNP_2890B_29643475	Ca_Kabuli_Chr01	NC_021160.1	29643475	TT	CC	CC	INTERGENIC		
SNP_2891B_29643488	Ca_Kabuli_Chr01	NC_021160.1	29643488	TT	CC	CC	INTERGENIC		
SNP_2892B_29644159	Ca_Kabuli_Chr01	NC_021160.1	29644159	GG	CC	CC	INTERGENIC		
SNP_2894B_29651022	Ca_Kabuli_Chr01	NC_021160.1	29651022	CC	TT	TT	INTERGENIC		
SNP_2895B_29651843	Ca_Kabuli_Chr01	NC_021160.1	29651843	TT	CC	CC	INTERGENIC		
SNP_2896B_29662577	Ca_Kabuli_Chr01	NC_021160.1	29662577	AA	GG	GG	INTERGENIC		
SNP_2897B_29681676	Ca_Kabuli_Chr01	NC_021160.1	29681676	AA	GG	GG	INTERGENIC		
SNP_2898B_29708494	Ca_Kabuli_Chr01	NC_021160.1	29708494	CC	TT	TT	INTERGENIC		
SNP_2899B_29708521	Ca_Kabuli_Chr01	NC_021160.1	29708521	GG	AA	AA	INTERGENIC		
SNP_2900B_29748203	Ca_Kabuli_Chr01	NC_021160.1	29748203	TT	AA	AA	INTERGENIC		
SNP_2901B_29764296	Ca_Kabuli_Chr01	NC_021160.1	29764296	TT	CC	CC	INTERGENIC		
SNP_2902B_29764326	Ca_Kabuli_Chr01	NC_021160.1	29764326	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_2903B_29766312	Ca_Kabuli_Chr01	NC_021160.1	29766312	AA	GG	GG	INTERGENIC		
SNP_2904B_29766390	Ca_Kabuli_Chr01	NC_021160.1	29766390	TT	CC	CC	INTERGENIC		
SNP_2905B_29781733	Ca_Kabuli_Chr01	NC_021160.1	29781733	GG	AA	AA	INTERGENIC		
SNP_2906B_29781738	Ca_Kabuli_Chr01	NC_021160.1	29781738	AA	CC	CC	INTERGENIC		
SNP_2907B_29781963	Ca_Kabuli_Chr01	NC_021160.1	29781963	AA	CC	CC	INTERGENIC		
SNP_2908B_29781970	Ca_Kabuli_Chr01	NC_021160.1	29781970	TT	CC	CC	INTERGENIC		
SNP_2910B_29791606	Ca_Kabuli_Chr01	NC_021160.1	29791606	TT	AA	AA	INTERGENIC		
SNP_2911B_29792284	Ca_Kabuli_Chr01	NC_021160.1	29792284	GG	AA	AA	INTERGENIC		
SNP_2912B_29817437	Ca_Kabuli_Chr01	NC_021160.1	29817437	CC	AA	AA	INTERGENIC		
SNP_2913B_29817460	Ca_Kabuli_Chr01	NC_021160.1	29817460	AA	GG	GG	INTERGENIC		
SNP_2914B_29817514	Ca_Kabuli_Chr01	NC_021160.1	29817514	CC	AA	AA	INTERGENIC		
SNP_2915B_29817516	Ca_Kabuli_Chr01	NC_021160.1	29817516	TT	CC	CC	INTERGENIC		
SNP_2916B_29817658	Ca_Kabuli_Chr01	NC_021160.1	29817658	CC	TT	TT	INTERGENIC		
SNP_2917B_29817901	Ca_Kabuli_Chr01	NC_021160.1	29817901	TT	CC	CC	INTERGENIC		
SNP_2918B_29817948	Ca_Kabuli_Chr01	NC_021160.1	29817948	GG	AA	AA	INTERGENIC		
SNP_2919B_29817982	Ca_Kabuli_Chr01	NC_021160.1	29817982	CC	TT	TT	INTERGENIC		
SNP_2920B_29818025	Ca_Kabuli_Chr01	NC_021160.1	29818025	TT	CC	CC	INTERGENIC		
SNP_2921B_29818196	Ca_Kabuli_Chr01	NC_021160.1	29818196	CC	AA	AA	INTERGENIC		
SNP_2922B_29818233	Ca_Kabuli_Chr01	NC_021160.1	29818233	AA	GG	GG	INTERGENIC		
SNP_2923B_29818311	Ca_Kabuli_Chr01	NC_021160.1	29818311	TT	CC	CC	INTERGENIC		
SNP_2924B_29818367	Ca_Kabuli_Chr01	NC_021160.1	29818367	AA	GG	GG	INTERGENIC		
SNP_2925B_29818390	Ca_Kabuli_Chr01	NC_021160.1	29818390	AA	GG	GG	INTERGENIC		
SNP_2926B_29818474	Ca_Kabuli_Chr01	NC_021160.1	29818474	AA	GG	GG	INTERGENIC		
SNP_2927B_29818597	Ca_Kabuli_Chr01	NC_021160.1	29818597	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_2928B_29818601	Ca_Kabuli_Chr01	NC_021160.1	29818601	AA	GG	GG	INTERGENIC		
SNP_2929B_29818605	Ca_Kabuli_Chr01	NC_021160.1	29818605	AA	CC	CC	INTERGENIC		
SNP_2930B_29818615	Ca_Kabuli_Chr01	NC_021160.1	29818615	TT	CC	CC	INTERGENIC		
SNP_2932B_29823411	Ca_Kabuli_Chr01	NC_021160.1	29823411	GG	AA	AA	INTERGENIC		
SNP_2933B_29823495	Ca_Kabuli_Chr01	NC_021160.1	29823495	AA	TT	TT	INTERGENIC		
SNP_2934B_29823496	Ca_Kabuli_Chr01	NC_021160.1	29823496	TT	CC	CC	INTERGENIC		
SNP_2935B_29823570	Ca_Kabuli_Chr01	NC_021160.1	29823570	CC	TT	TT	INTERGENIC		
SNP_2936B_29823595	Ca_Kabuli_Chr01	NC_021160.1	29823595	CC	TT	TT	INTERGENIC		
SNP_2937B_29823812	Ca_Kabuli_Chr01	NC_021160.1	29823812	CC	AA	AA	INTERGENIC		
SNP_2938B_29824286	Ca_Kabuli_Chr01	NC_021160.1	29824286	CC	TT	TT	INTERGENIC		
SNP_2939B_29824320	Ca_Kabuli_Chr01	NC_021160.1	29824320	TT	AA	AA	INTERGENIC		
SNP_2940B_29824668	Ca_Kabuli_Chr01	NC_021160.1	29824668	TT	CC	CC	INTERGENIC		
SNP_2941B_29824738	Ca_Kabuli_Chr01	NC_021160.1	29824738	GG	AA	AA	INTERGENIC		
SNP_2942B_29824753	Ca_Kabuli_Chr01	NC_021160.1	29824753	AA	TT	TT	INTERGENIC		
SNP_2943B_29824798	Ca_Kabuli_Chr01	NC_021160.1	29824798	CC	TT	TT	INTERGENIC		
SNP_2944B_29824840	Ca_Kabuli_Chr01	NC_021160.1	29824840	TT	CC	CC	INTERGENIC		
SNP_2945B_29824861	Ca_Kabuli_Chr01	NC_021160.1	29824861	GG	TT	TT	INTERGENIC		
SNP_2946B_29824933	Ca_Kabuli_Chr01	NC_021160.1	29824933	GG	AA	AA	INTERGENIC		
SNP_2947B_29824987	Ca_Kabuli_Chr01	NC_021160.1	29824987	GG	AA	AA	INTERGENIC		
SNP_2948B_29825002	Ca_Kabuli_Chr01	NC_021160.1	29825002	CC	TT	TT	INTERGENIC		
SNP_2949B_29825092	Ca_Kabuli_Chr01	NC_021160.1	29825092	GG	AA	AA	INTERGENIC		
SNP_2950B_29825125	Ca_Kabuli_Chr01	NC_021160.1	29825125	GG	AA	AA	INTERGENIC		
SNP_2951B_29825128	Ca_Kabuli_Chr01	NC_021160.1	29825128	TT	GG	GG	INTERGENIC		
SNP_2953B_29825588	Ca_Kabuli_Chr01	NC_021160.1	29825588	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_2954B_29830227	Ca_Kabuli_Chr01	NC_021160.1	29830227	TT	GG	GG	INTERGENIC		
SNP_2955B_29841456	Ca_Kabuli_Chr01	NC_021160.1	29841456	TT	CC	CC	INTERGENIC		
SNP_2956B_29841835	Ca_Kabuli_Chr01	NC_021160.1	29841835	CC	TT	TT	INTERGENIC		
SNP_2957B_29841895	Ca_Kabuli_Chr01	NC_021160.1	29841895	AA	GG	GG	INTERGENIC		
SNP_2958B_29841949	Ca_Kabuli_Chr01	NC_021160.1	29841949	CC	AA	AA	INTERGENIC		
SNP_2959B_29842165	Ca_Kabuli_Chr01	NC_021160.1	29842165	TT	CC	CC	INTERGENIC		
SNP_2960B_29842342	Ca_Kabuli_Chr01	NC_021160.1	29842342	TT	AA	AA	INTERGENIC		
SNP_2961B_29842387	Ca_Kabuli_Chr01	NC_021160.1	29842387	GG	AA	AA	INTERGENIC		
SNP_2962B_29842394	Ca_Kabuli_Chr01	NC_021160.1	29842394	AA	GG	GG	INTERGENIC		
SNP_2963B_29842411	Ca_Kabuli_Chr01	NC_021160.1	29842411	TT	GG	GG	INTERGENIC		
SNP_2965B_29842636	Ca_Kabuli_Chr01	NC_021160.1	29842636	TT	CC	CC	INTERGENIC		
SNP_2966B_29842637	Ca_Kabuli_Chr01	NC_021160.1	29842637	TT	CC	CC	INTERGENIC		
SNP_2967B_29842658	Ca_Kabuli_Chr01	NC_021160.1	29842658	TT	AA	AA	INTERGENIC		
SNP_2968B_29842683	Ca_Kabuli_Chr01	NC_021160.1	29842683	AA	CC	CC	INTERGENIC		
SNP_2969B_29842732	Ca_Kabuli_Chr01	NC_021160.1	29842732	TT	CC	CC	INTERGENIC		
SNP_2970B_29842772	Ca_Kabuli_Chr01	NC_021160.1	29842772	AA	GG	GG	INTERGENIC		
SNP_2971B_29843494	Ca_Kabuli_Chr01	NC_021160.1	29843494	CC	AA	AA	INTERGENIC		
SNP_2972B_29843549	Ca_Kabuli_Chr01	NC_021160.1	29843549	CC	TT	TT	INTERGENIC		
SNP_2973B_29843748	Ca_Kabuli_Chr01	NC_021160.1	29843748	AA	TT	TT	INTERGENIC		
SNP_2975B_29843889	Ca_Kabuli_Chr01	NC_021160.1	29843889	TT	CC	CC	INTERGENIC		
SNP_2976B_29844046	Ca_Kabuli_Chr01	NC_021160.1	29844046	AA	GG	GG	INTERGENIC		
SNP_2978B_29844512	Ca_Kabuli_Chr01	NC_021160.1	29844512	TT	GG	GG	INTERGENIC		
SNP_2979B_29845069	Ca_Kabuli_Chr01	NC_021160.1	29845069	TT	GG	GG	INTERGENIC		
SNP_2980B_29845249	Ca_Kabuli_Chr01	NC_021160.1	29845249	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_2981B_29845517	Ca_Kabuli_Chr01	NC_021160.1	29845517	TT	AA	AA	INTERGENIC		
SNP_2982B_29845533	Ca_Kabuli_Chr01	NC_021160.1	29845533	TT	CC	CC	INTERGENIC		
SNP_2983B_29845806	Ca_Kabuli_Chr01	NC_021160.1	29845806	AA	CC	CC	INTERGENIC		
SNP_2984B_29845918	Ca_Kabuli_Chr01	NC_021160.1	29845918	TT	CC	CC	INTERGENIC		
SNP_2985B_29845923	Ca_Kabuli_Chr01	NC_021160.1	29845923	AA	TT	TT	INTERGENIC		
SNP_2986B_29846237	Ca_Kabuli_Chr01	NC_021160.1	29846237	TT	CC	CC	INTERGENIC		
SNP_2987B_29846270	Ca_Kabuli_Chr01	NC_021160.1	29846270	GG	AA	AA	INTERGENIC		
SNP_2988B_29846295	Ca_Kabuli_Chr01	NC_021160.1	29846295	TT	CC	CC	INTERGENIC		
SNP_2989B_29846392	Ca_Kabuli_Chr01	NC_021160.1	29846392	TT	GG	GG	INTERGENIC		
SNP_2990B_29846434	Ca_Kabuli_Chr01	NC_021160.1	29846434	TT	GG	GG	INTERGENIC		
SNP_2992B_29846574	Ca_Kabuli_Chr01	NC_021160.1	29846574	TT	AA	AA	INTERGENIC		
SNP_2994B_29847045	Ca_Kabuli_Chr01	NC_021160.1	29847045	AA	TT	TT	INTERGENIC		
SNP_2995B_29847336	Ca_Kabuli_Chr01	NC_021160.1	29847336	AA	GG	GG	INTERGENIC		
SNP_2996B_29847500	Ca_Kabuli_Chr01	NC_021160.1	29847500	TT	CC	CC	INTERGENIC		
SNP_2997B_29847534	Ca_Kabuli_Chr01	NC_021160.1	29847534	CC	TT	TT	INTERGENIC		
SNP_2998B_29847570	Ca_Kabuli_Chr01	NC_021160.1	29847570	TT	CC	CC	INTERGENIC		
SNP_2999B_29847608	Ca_Kabuli_Chr01	NC_021160.1	29847608	GG	AA	AA	INTERGENIC		
SNP_3000B_29847701	Ca_Kabuli_Chr01	NC_021160.1	29847701	GG	AA	AA	INTERGENIC		
SNP_3001B_29847781	Ca_Kabuli_Chr01	NC_021160.1	29847781	CC	GG	GG	INTERGENIC		
SNP_3002B_29847861	Ca_Kabuli_Chr01	NC_021160.1	29847861	TT	CC	CC	INTERGENIC		
SNP_3003B_29847918	Ca_Kabuli_Chr01	NC_021160.1	29847918	GG	TT	TT	INTERGENIC		
SNP_3006B_29848169	Ca_Kabuli_Chr01	NC_021160.1	29848169	CC	TT	TT	INTERGENIC		
SNP_3007B_29848317	Ca_Kabuli_Chr01	NC_021160.1	29848317	AA	TT	TT	INTERGENIC		
SNP_3008B_29848320	Ca_Kabuli_Chr01	NC_021160.1	29848320	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3009B_29848428	Ca_Kabuli_Chr01	NC_021160.1	29848428	CC	AA	AA	INTERGENIC		
SNP_3010B_29848466	Ca_Kabuli_Chr01	NC_021160.1	29848466	GG	AA	AA	INTERGENIC		
SNP_3011B_29848512	Ca_Kabuli_Chr01	NC_021160.1	29848512	GG	TT	TT	INTERGENIC		
SNP_3012B_29848826	Ca_Kabuli_Chr01	NC_021160.1	29848826	TT	CC	CC	INTERGENIC		
SNP_3013B_29848856	Ca_Kabuli_Chr01	NC_021160.1	29848856	GG	AA	AA	INTERGENIC		
SNP_3014B_29848868	Ca_Kabuli_Chr01	NC_021160.1	29848868	GG	AA	AA	INTERGENIC		
SNP_3015B_29848871	Ca_Kabuli_Chr01	NC_021160.1	29848871	GG	AA	AA	INTERGENIC		
SNP_3016B_29848880	Ca_Kabuli_Chr01	NC_021160.1	29848880	GG	AA	AA	INTERGENIC		
SNP_3017B_29849049	Ca_Kabuli_Chr01	NC_021160.1	29849049	GG	AA	AA	INTERGENIC		
SNP_3018B_29849050	Ca_Kabuli_Chr01	NC_021160.1	29849050	CC	GG	GG	INTERGENIC		
SNP_3019B_29849052	Ca_Kabuli_Chr01	NC_021160.1	29849052	AA	GG	GG	INTERGENIC		
SNP_3020B_29849056	Ca_Kabuli_Chr01	NC_021160.1	29849056	GG	AA	AA	INTERGENIC		
SNP_3021B_29849068	Ca_Kabuli_Chr01	NC_021160.1	29849068	AA	GG	GG	INTERGENIC		
SNP_3022B_29849081	Ca_Kabuli_Chr01	NC_021160.1	29849081	AA	TT	TT	INTERGENIC		
SNP_3023B_29849121	Ca_Kabuli_Chr01	NC_021160.1	29849121	TT	CC	CC	INTERGENIC		
SNP_3024B_29849234	Ca_Kabuli_Chr01	NC_021160.1	29849234	GG	AA	AA	INTERGENIC		
SNP_3025B_29849255	Ca_Kabuli_Chr01	NC_021160.1	29849255	GG	AA	AA	INTERGENIC		
SNP_3026B_29849257	Ca_Kabuli_Chr01	NC_021160.1	29849257	GG	CC	CC	INTERGENIC		
SNP_3027B_29849342	Ca_Kabuli_Chr01	NC_021160.1	29849342	CC	TT	TT	INTERGENIC		
SNP_3028B_29849362	Ca_Kabuli_Chr01	NC_021160.1	29849362	CC	TT	TT	INTERGENIC		
SNP_3029B_29849441	Ca_Kabuli_Chr01	NC_021160.1	29849441	CC	AA	AA	INTERGENIC		
SNP_3030B_29849553	Ca_Kabuli_Chr01	NC_021160.1	29849553	GG	AA	AA	INTERGENIC		
SNP_3031B_29849617	Ca_Kabuli_Chr01	NC_021160.1	29849617	AA	GG	GG	INTERGENIC		
SNP_3032B_29849659	Ca_Kabuli_Chr01	NC_021160.1	29849659	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3033B_29852030	Ca_Kabuli_Chr01	NC_021160.1	29852030	TT	CC	CC	INTERGENIC		
SNP_3034B_29852202	Ca_Kabuli_Chr01	NC_021160.1	29852202	CC	TT	TT	INTERGENIC		
SNP_3035B_29852204	Ca_Kabuli_Chr01	NC_021160.1	29852204	TT	AA	AA	INTERGENIC		
SNP_3036B_29852212	Ca_Kabuli_Chr01	NC_021160.1	29852212	AA	TT	TT	INTERGENIC		
SNP_3037B_29852340	Ca_Kabuli_Chr01	NC_021160.1	29852340	TT	CC	CC	INTERGENIC		
SNP_3038B_29852469	Ca_Kabuli_Chr01	NC_021160.1	29852469	TT	GG	GG	INTERGENIC		
SNP_3039B_29852480	Ca_Kabuli_Chr01	NC_021160.1	29852480	AA	GG	GG	INTERGENIC		
SNP_3040B_29852482	Ca_Kabuli_Chr01	NC_021160.1	29852482	AA	TT	TT	INTERGENIC		
SNP_3041B_29852517	Ca_Kabuli_Chr01	NC_021160.1	29852517	TT	CC	CC	INTERGENIC		
SNP_3042B_29852946	Ca_Kabuli_Chr01	NC_021160.1	29852946	AA	CC	CC	INTERGENIC		
SNP_3043B_29852947	Ca_Kabuli_Chr01	NC_021160.1	29852947	TT	AA	AA	INTERGENIC		
SNP_3044B_29853003	Ca_Kabuli_Chr01	NC_021160.1	29853003	TT	AA	AA	INTERGENIC		
SNP_3046B_29853554	Ca_Kabuli_Chr01	NC_021160.1	29853554	AA	CC	CC	INTERGENIC		
SNP_3048B_29853836	Ca_Kabuli_Chr01	NC_021160.1	29853836	CC	AA	AA	INTERGENIC		
SNP_3049B_29853930	Ca_Kabuli_Chr01	NC_021160.1	29853930	AA	CC	CC	INTERGENIC		
SNP_3050B_29854080	Ca_Kabuli_Chr01	NC_021160.1	29854080	CC	AA	AA	INTERGENIC		
SNP_3051B_29854109	Ca_Kabuli_Chr01	NC_021160.1	29854109	AA	GG	GG	INTERGENIC		
SNP_3052B_29854145	Ca_Kabuli_Chr01	NC_021160.1	29854145	CC	AA	AA	INTERGENIC		
SNP_3053B_29854146	Ca_Kabuli_Chr01	NC_021160.1	29854146	AA	CC	CC	INTERGENIC		
SNP_3054B_29854356	Ca_Kabuli_Chr01	NC_021160.1	29854356	GG	AA	AA	INTERGENIC		
SNP_3055B_29854408	Ca_Kabuli_Chr01	NC_021160.1	29854408	TT	AA	AA	INTERGENIC		
SNP_3056B_29854484	Ca_Kabuli_Chr01	NC_021160.1	29854484	TT	AA	AA	INTERGENIC		
SNP_3057B_29854489	Ca_Kabuli_Chr01	NC_021160.1	29854489	AA	GG	GG	INTERGENIC		
SNP_3058B_29854493	Ca_Kabuli_Chr01	NC_021160.1	29854493	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3059B_29854515	Ca_Kabuli_Chr01	NC_021160.1	29854515	CC	TT	TT	INTERGENIC		
SNP_3060B_29854518	Ca_Kabuli_Chr01	NC_021160.1	29854518	AA	TT	TT	INTERGENIC		
SNP_3061B_29854835	Ca_Kabuli_Chr01	NC_021160.1	29854835	GG	TT	TT	INTERGENIC		
SNP_3062B_29854972	Ca_Kabuli_Chr01	NC_021160.1	29854972	AA	CC	CC	INTERGENIC		
SNP_3063B_29854973	Ca_Kabuli_Chr01	NC_021160.1	29854973	TT	AA	AA	INTERGENIC		
SNP_3064B_29855106	Ca_Kabuli_Chr01	NC_021160.1	29855106	CC	GG	GG	INTERGENIC		
SNP_3065B_29855124	Ca_Kabuli_Chr01	NC_021160.1	29855124	TT	CC	CC	INTERGENIC		
SNP_3066B_29855139	Ca_Kabuli_Chr01	NC_021160.1	29855139	CC	TT	TT	INTERGENIC		
SNP_3067B_29855200	Ca_Kabuli_Chr01	NC_021160.1	29855200	TT	GG	GG	INTERGENIC		
SNP_3068B_29855353	Ca_Kabuli_Chr01	NC_021160.1	29855353	TT	CC	CC	INTERGENIC		
SNP_3069B_29855477	Ca_Kabuli_Chr01	NC_021160.1	29855477	CC	TT	TT	INTERGENIC		
SNP_3070B_29855594	Ca_Kabuli_Chr01	NC_021160.1	29855594	AA	GG	GG	INTERGENIC		
SNP_3071B_29855951	Ca_Kabuli_Chr01	NC_021160.1	29855951	GG	CC	CC	INTERGENIC		
SNP_3072B_29856030	Ca_Kabuli_Chr01	NC_021160.1	29856030	CC	TT	TT	INTERGENIC		
SNP_3073B_29856064	Ca_Kabuli_Chr01	NC_021160.1	29856064	TT	GG	GG	INTERGENIC		
SNP_3074B_29856202	Ca_Kabuli_Chr01	NC_021160.1	29856202	CC	GG	GG	INTERGENIC		
SNP_3075B_29856247	Ca_Kabuli_Chr01	NC_021160.1	29856247	CC	TT	TT	INTERGENIC		
SNP_3076B_29856319	Ca_Kabuli_Chr01	NC_021160.1	29856319	TT	GG	GG	INTERGENIC		
SNP_3077B_29856405	Ca_Kabuli_Chr01	NC_021160.1	29856405	GG	AA	AA	INTERGENIC		
SNP_3078B_29856439	Ca_Kabuli_Chr01	NC_021160.1	29856439	GG	AA	AA	INTERGENIC		
SNP_3080B_29856845	Ca_Kabuli_Chr01	NC_021160.1	29856845	AA	TT	TT	INTERGENIC		
SNP_3081B_29856986	Ca_Kabuli_Chr01	NC_021160.1	29856986	TT	CC	CC	INTERGENIC		
SNP_3082B_29857084	Ca_Kabuli_Chr01	NC_021160.1	29857084	AA	TT	TT	INTERGENIC		
SNP_3083B_29857164	Ca_Kabuli_Chr01	NC_021160.1	29857164	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3084B_29857237	Ca_Kabuli_Chr01	NC_021160.1	29857237	CC	TT	TT	INTERGENIC		
SNP_3085B_29861761	Ca_Kabuli_Chr01	NC_021160.1	29861761	TT	CC	CC	INTERGENIC		
SNP_3086B_29861763	Ca_Kabuli_Chr01	NC_021160.1	29861763	AA	CC	CC	INTERGENIC		
SNP_3087B_29863093	Ca_Kabuli_Chr01	NC_021160.1	29863093	AA	GG	GG	INTERGENIC		
SNP_3089B_29936738	Ca_Kabuli_Chr01	NC_021160.1	29936738	TT	CC	CC	INTERGENIC		
SNP_3090B_29936749	Ca_Kabuli_Chr01	NC_021160.1	29936749	TT	CC	CC	INTERGENIC		
SNP_3091B_29980732	Ca_Kabuli_Chr01	NC_021160.1	29980732	GG	AA	AA	INTERGENIC		
SNP_3092B_29980983	Ca_Kabuli_Chr01	NC_021160.1	29980983	CC	TT	TT	INTERGENIC		
SNP_3093B_29980993	Ca_Kabuli_Chr01	NC_021160.1	29980993	AA	GG	GG	INTERGENIC		
SNP_3094B_29980996	Ca_Kabuli_Chr01	NC_021160.1	29980996	TT	AA	AA	INTERGENIC		
SNP_3095B_29980998	Ca_Kabuli_Chr01	NC_021160.1	29980998	TT	AA	AA	INTERGENIC		
SNP_3096B_29981001	Ca_Kabuli_Chr01	NC_021160.1	29981001	CC	TT	TT	INTERGENIC		
SNP_3097B_29984997	Ca_Kabuli_Chr01	NC_021160.1	29984997	CC	TT	TT	INTERGENIC		
SNP_3098B_29994039	Ca_Kabuli_Chr01	NC_021160.1	29994039	AA	GG	GG	INTERGENIC		
SNP_3099B_29994040	Ca_Kabuli_Chr01	NC_021160.1	29994040	GG	TT	TT	INTERGENIC		
SNP_3100B_29994082	Ca_Kabuli_Chr01	NC_021160.1	29994082	AA	GG	GG	INTERGENIC		
SNP_3101B_29994364	Ca_Kabuli_Chr01	NC_021160.1	29994364	AA	GG	GG	INTERGENIC		
SNP_3102B_29994369	Ca_Kabuli_Chr01	NC_021160.1	29994369	AA	GG	GG	INTERGENIC		
SNP_3104B_30007768	Ca_Kabuli_Chr01	NC_021160.1	30007768	GG	TT	TT	INTERGENIC		
SNP_3105B_30037878	Ca_Kabuli_Chr01	NC_021160.1	30037878	CC	AA	AA	INTERGENIC		
SNP_3106B_30037932	Ca_Kabuli_Chr01	NC_021160.1	30037932	AA	CC	CC	INTERGENIC		
SNP_3107B_30037947	Ca_Kabuli_Chr01	NC_021160.1	30037947	CC	TT	TT	INTERGENIC		
SNP_3108B_30038463	Ca_Kabuli_Chr01	NC_021160.1	30038463	TT	CC	CC	INTERGENIC		
SNP_3109B_30038464	Ca_Kabuli_Chr01	NC_021160.1	30038464	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3110B_30038540	Ca_Kabuli_Chr01	NC_021160.1	30038540	AA	GG	GG	INTERGENIC		
SNP_3111B_30051399	Ca_Kabuli_Chr01	NC_021160.1	30051399	AA	TT	TT	INTERGENIC		
SNP_3112B_30091502	Ca_Kabuli_Chr01	NC_021160.1	30091502	CC	GG	GG	INTERGENIC		
SNP_3113B_30111332	Ca_Kabuli_Chr01	NC_021160.1	30111332	TT	CC	CC	INTERGENIC		
SNP_3114B_30111341	Ca_Kabuli_Chr01	NC_021160.1	30111341	AA	GG	GG	INTERGENIC		
SNP_3115B_30111344	Ca_Kabuli_Chr01	NC_021160.1	30111344	CC	TT	TT	INTERGENIC		
SNP_3116B_30111359	Ca_Kabuli_Chr01	NC_021160.1	30111359	TT	GG	GG	INTERGENIC		
SNP_3118B_30111416	Ca_Kabuli_Chr01	NC_021160.1	30111416	TT	CC	CC	INTERGENIC		
SNP_3119B_30111434	Ca_Kabuli_Chr01	NC_021160.1	30111434	AA	GG	GG	INTERGENIC		
SNP_3120B_30111437	Ca_Kabuli_Chr01	NC_021160.1	30111437	AA	GG	GG	INTERGENIC		
SNP_3121B_30117309	Ca_Kabuli_Chr01	NC_021160.1	30117309	AA	GG	GG	INTERGENIC		
SNP_3122B_30117613	Ca_Kabuli_Chr01	NC_021160.1	30117613	AA	GG	GG	INTERGENIC		
SNP_3123B_30135836	Ca_Kabuli_Chr01	NC_021160.1	30135836	TT	CC	CC	INTERGENIC		
SNP_3124B_30196462	Ca_Kabuli_Chr01	NC_021160.1	30196462	GG	AA	AA	INTRON	101513098	sialidase-like
SNP_3125B_30196760	Ca_Kabuli_Chr01	NC_021160.1	30196760	GG	AA	AA	INTRON	101513098	sialidase-like
SNP_3126B_30205439	Ca_Kabuli_Chr01	NC_021160.1	30205439	GG	AA	AA	INTERGENIC		
SNP_3127B_30219780	Ca_Kabuli_Chr01	NC_021160.1	30219780	GG	TT	TT	INTERGENIC		
SNP_3128B_30236405	Ca_Kabuli_Chr01	NC_021160.1	30236405	AA	CC	CC	INTERGENIC		
SNP_3130B_30249903	Ca_Kabuli_Chr01	NC_021160.1	30249903	GG	AA	AA	INTERGENIC		
SNP_3131B_30255590	Ca_Kabuli_Chr01	NC_021160.1	30255590	AA	CC	CC	INTERGENIC		
SNP_3132B_30255705	Ca_Kabuli_Chr01	NC_021160.1	30255705	GG	TT	TT	INTERGENIC		
SNP_3133B_30263227	Ca_Kabuli_Chr01	NC_021160.1	30263227	GG	AA	TT	INTRON	101508275	kinesin-like protein KIF19
SNP_3134B_30263244	Ca_Kabuli_Chr01	NC_021160.1	30263244	TT	AA	CC	INTRON	101508275	kinesin-like protein KIF19
SNP_3135B_30264021	Ca_Kabuli_Chr01	NC_021160.1	30264021	GG	AA	AA	URR	101508275	kinesin-like protein KIF19

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3136B_30264023	Ca_Kabuli_Chr01	NC_021160.1	30264023	CC	AA	AA	URR	101508275	kinesin-like protein KIF19
SNP_3137B_30264672	Ca_Kabuli_Chr01	NC_021160.1	30264672	AA	TT	TT	URR	101508275	kinesin-like protein KIF19
SNP_3138B_30280031	Ca_Kabuli_Chr01	NC_021160.1	30280031	CC	TT	TT	INTERGENIC		
SNP_3142B_30418458	Ca_Kabuli_Chr01	NC_021160.1	30418458	AA	GG	GG	INTERGENIC		
SNP_3143B_30424150	Ca_Kabuli_Chr01	NC_021160.1	30424150	TT	CC	CC	INTERGENIC		
SNP_3144B_30424222	Ca_Kabuli_Chr01	NC_021160.1	30424222	GG	AA	AA	INTERGENIC		
SNP_3146B_30452790	Ca_Kabuli_Chr01	NC_021160.1	30452790	CC	TT	TT	INTERGENIC		
SNP_3147B_30460857	Ca_Kabuli_Chr01	NC_021160.1	30460857	TT	CC	CC	INTERGENIC		
SNP_3148B_30460879	Ca_Kabuli_Chr01	NC_021160.1	30460879	TT	CC	CC	INTERGENIC		
SNP_3149B_30460891	Ca_Kabuli_Chr01	NC_021160.1	30460891	GG	TT	TT	INTERGENIC		
SNP_3150B_30460892	Ca_Kabuli_Chr01	NC_021160.1	30460892	TT	CC	CC	INTERGENIC		
SNP_3151B_30460933	Ca_Kabuli_Chr01	NC_021160.1	30460933	TT	CC	CC	INTERGENIC		
SNP_3152B_30461178	Ca_Kabuli_Chr01	NC_021160.1	30461178	GG	AA	AA	INTERGENIC		
SNP_3153B_30461207	Ca_Kabuli_Chr01	NC_021160.1	30461207	TT	CC	CC	INTERGENIC		
SNP_3154B_30461279	Ca_Kabuli_Chr01	NC_021160.1	30461279	GG	AA	AA	INTERGENIC		
SNP_3155B_30461292	Ca_Kabuli_Chr01	NC_021160.1	30461292	AA	TT	TT	INTERGENIC		
SNP_3156B_30461297	Ca_Kabuli_Chr01	NC_021160.1	30461297	GG	AA	AA	INTERGENIC		
SNP_3157B_30461336	Ca_Kabuli_Chr01	NC_021160.1	30461336	CC	TT	TT	INTERGENIC		
SNP_3158B_30461380	Ca_Kabuli_Chr01	NC_021160.1	30461380	AA	GG	GG	INTERGENIC		
SNP_3160B_30475446	Ca_Kabuli_Chr01	NC_021160.1	30475446	AA	GG	GG	INTERGENIC		
SNP_3161B_30475485	Ca_Kabuli_Chr01	NC_021160.1	30475485	AA	GG	GG	INTERGENIC		
SNP_3163B_30475581	Ca_Kabuli_Chr01	NC_021160.1	30475581	TT	AA	AA	INTERGENIC		
SNP_3164B_30603992	Ca_Kabuli_Chr01	NC_021160.1	30603992	AA	TT	TT	INTERGENIC		
SNP_3165B_30624943	Ca_Kabuli_Chr01	NC_021160.1	30624943	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3167B_30725547	Ca_Kabuli_Chr01	NC_021160.1	30725547	TT	GG	GG	INTERGENIC		
SNP_3168B_30738240	Ca_Kabuli_Chr01	NC_021160.1	30738240	AA	GG	GG	INTERGENIC		
SNP_3169B_30738244	Ca_Kabuli_Chr01	NC_021160.1	30738244	AA	TT	TT	INTERGENIC		
SNP_3170B_30738524	Ca_Kabuli_Chr01	NC_021160.1	30738524	CC	AA	AA	INTERGENIC		
SNP_3171B_30740232	Ca_Kabuli_Chr01	NC_021160.1	30740232	GG	TT	TT	DRR	101488811	serine carboxypeptidase-like 45
SNP_3172B_30740325	Ca_Kabuli_Chr01	NC_021160.1	30740325	CC	AA	AA	DRR	101488811	serine carboxypeptidase-like 45
SNP_3173B_30740326	Ca_Kabuli_Chr01	NC_021160.1	30740326	GG	CC	CC	DRR	101488811	serine carboxypeptidase-like 45
SNP_3174B_30740444	Ca_Kabuli_Chr01	NC_021160.1	30740444	TT	CC	CC	INTERGENIC		
SNP_3175B_30740502	Ca_Kabuli_Chr01	NC_021160.1	30740502	AA	TT	TT	NON_SYNONYMOUS_CODING	101488811	serine carboxypeptidase-like 45
SNP_3176B_30740835	Ca_Kabuli_Chr01	NC_021160.1	30740835	GG	TT	TT	INTRON	101488811	serine carboxypeptidase-like 45
SNP_3177B_30740872	Ca_Kabuli_Chr01	NC_021160.1	30740872	CC	TT	TT	INTRON	101488811	serine carboxypeptidase-like 45
SNP_3178B_30741262	Ca_Kabuli_Chr01	NC_021160.1	30741262	AA	GG	GG	INTRON	101488811	serine carboxypeptidase-like 45
SNP_3179B_30745317	Ca_Kabuli_Chr01	NC_021160.1	30745317	TT	CC	CC	URR	101488811	serine carboxypeptidase-like 45
SNP_3180B_30745342	Ca_Kabuli_Chr01	NC_021160.1	30745342	GG	AA	AA	URR	101488811	serine carboxypeptidase-like 45
SNP_3181B_30745398	Ca_Kabuli_Chr01	NC_021160.1	30745398	TT	CC	CC	URR	101488811	serine carboxypeptidase-like 45
SNP_3182B_30745473	Ca_Kabuli_Chr01	NC_021160.1	30745473	GG	CC	CC	URR	101488811	serine carboxypeptidase-like 45
SNP_3184B_30756175	Ca_Kabuli_Chr01	NC_021160.1	30756175	TT	CC	CC	INTERGENIC		
SNP_3185B_30756178	Ca_Kabuli_Chr01	NC_021160.1	30756178	GG	TT	TT	INTERGENIC		
SNP_3186B_30762315	Ca_Kabuli_Chr01	NC_021160.1	30762315	GG	AA	AA	URR	101511274	2-alkenal reductase (NADP(+)-dependent)-like
SNP_3187B_30762343	Ca_Kabuli_Chr01	NC_021160.1	30762343	TT	CC	CC	URR	101511274	2-alkenal reductase (NADP(+)-dependent)-like
SNP_3188B_30762370	Ca_Kabuli_Chr01	NC_021160.1	30762370	CC	TT	TT	URR	101511274	2-alkenal reductase (NADP(+)-dependent)-like
SNP_3189B_30762386	Ca_Kabuli_Chr01	NC_021160.1	30762386	GG	AA	AA	URR	101511274	2-alkenal reductase (NADP(+)-dependent)-like
SNP_3190B_30762418	Ca_Kabuli_Chr01	NC_021160.1	30762418	AA	GG	GG	URR	101511274	2-alkenal reductase (NADP(+)-dependent)-like
SNP_3191B_30762570	Ca_Kabuli_Chr01	NC_021160.1	30762570	TT	CC	CC	URR	101511274	2-alkenal reductase (NADP(+)-dependent)-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3192B_30762645	Ca_Kabuli_Chr01	NC_021160.1	30762645	TT	GG	GG	URR	101511274	2-alkenal reductase (NADP(+)-dependent)-like
SNP_3193B_30762652	Ca_Kabuli_Chr01	NC_021160.1	30762652	AA	GG	GG	URR	101511274	2-alkenal reductase (NADP(+)-dependent)-like
SNP_3194B_30762653	Ca_Kabuli_Chr01	NC_021160.1	30762653	TT	CC	CC	URR	101511274	2-alkenal reductase (NADP(+)-dependent)-like
SNP_3195B_30762737	Ca_Kabuli_Chr01	NC_021160.1	30762737	AA	GG	GG	URR	101511274	2-alkenal reductase (NADP(+)-dependent)-like
SNP_3196B_30762750	Ca_Kabuli_Chr01	NC_021160.1	30762750	GG	TT	TT	URR	101511274	2-alkenal reductase (NADP(+)-dependent)-like
SNP_3197B_30762761	Ca_Kabuli_Chr01	NC_021160.1	30762761	GG	TT	TT	URR	101511274	2-alkenal reductase (NADP(+)-dependent)-like
SNP_3198B_30762791	Ca_Kabuli_Chr01	NC_021160.1	30762791	CC	AA	AA	URR	101511274	2-alkenal reductase (NADP(+)-dependent)-like
SNP_3199B_30765829	Ca_Kabuli_Chr01	NC_021160.1	30765829	CC	GG	GG	INTERGENIC		
SNP_3200B_30766734	Ca_Kabuli_Chr01	NC_021160.1	30766734	CC	TT	TT	INTERGENIC		
SNP_3201B_30767740	Ca_Kabuli_Chr01	NC_021160.1	30767740	CC	TT	TT	URR	101511592	pentatricopeptide repeat-containing protein At1g08070-like
SNP_3202B_30769844	Ca_Kabuli_Chr01	NC_021160.1	30769844	GG	AA	AA	DRR	101512127	probable sugar phosphate/phosphate translocator At4g32390
SNP_3203B_30770137	Ca_Kabuli_Chr01	NC_021160.1	30770137	CC	TT	TT	DRR	101512127	probable sugar phosphate/phosphate translocator At4g32390
SNP_3205B_30770392	Ca_Kabuli_Chr01	NC_021160.1	30770392	GG	AA	AA	DRR	101512127	probable sugar phosphate/phosphate translocator At4g32390
SNP_3206B_30770958	Ca_Kabuli_Chr01	NC_021160.1	30770958	CC	GG	GG	INTERGENIC		
SNP_3207B_30771037	Ca_Kabuli_Chr01	NC_021160.1	30771037	GG	TT	TT	INTERGENIC		
SNP_3208B_30771411	Ca_Kabuli_Chr01	NC_021160.1	30771411	GG	AA	AA	INTERGENIC		
SNP_3209B_30803690	Ca_Kabuli_Chr01	NC_021160.1	30803690	TT	CC	CC	INTERGENIC		
SNP_3210B_30804101	Ca_Kabuli_Chr01	NC_021160.1	30804101	CC	TT	TT	INTERGENIC		
SNP_3211B_30808058	Ca_Kabuli_Chr01	NC_021160.1	30808058	AA	CC	CC	INTERGENIC		
SNP_3212B_30808062	Ca_Kabuli_Chr01	NC_021160.1	30808062	AA	TT	TT	INTERGENIC		
SNP_3213B_30820541	Ca_Kabuli_Chr01	NC_021160.1	30820541	TT	CC	CC	INTERGENIC		
SNP_3214B_30823653	Ca_Kabuli_Chr01	NC_021160.1	30823653	GG	AA	AA	DRR	101489136	tetraspanin-11-like
SNP_3215B_30827678	Ca_Kabuli_Chr01	NC_021160.1	30827678	GG	AA	AA	URR	101489136	tetraspanin-11-like
SNP_3216B_30830953	Ca_Kabuli_Chr01	NC_021160.1	30830953	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3217B_30844305	Ca_Kabuli_Chr01	NC_021160.1	30844305	AA	TT	TT	INTERGENIC		
SNP_3218B_30863253	Ca_Kabuli_Chr01	NC_021160.1	30863253	AA	GG	GG	INTERGENIC		
SNP_3219B_30887888	Ca_Kabuli_Chr01	NC_021160.1	30887888	CC	TT	TT	INTERGENIC		
SNP_3220B_30889096	Ca_Kabuli_Chr01	NC_021160.1	30889096	GG	CC	CC	INTERGENIC		
SNP_3221B_30889327	Ca_Kabuli_Chr01	NC_021160.1	30889327	TT	CC	CC	INTERGENIC		
SNP_3222B_30889349	Ca_Kabuli_Chr01	NC_021160.1	30889349	AA	GG	GG	INTERGENIC		
SNP_3223B_30889430	Ca_Kabuli_Chr01	NC_021160.1	30889430	AA	CC	CC	INTERGENIC		
SNP_3224B_30889823	Ca_Kabuli_Chr01	NC_021160.1	30889823	CC	TT	TT	INTERGENIC		
SNP_3225B_30889869	Ca_Kabuli_Chr01	NC_021160.1	30889869	GG	AA	AA	INTERGENIC		
SNP_3226B_30923952	Ca_Kabuli_Chr01	NC_021160.1	30923952	TT	CC	CC	INTERGENIC		
SNP_3227B_30926882	Ca_Kabuli_Chr01	NC_021160.1	30926882	CC	GG	GG	INTERGENIC		
SNP_3228B_30929726	Ca_Kabuli_Chr01	NC_021160.1	30929726	AA	CC	CC	NON_SYNONYMOUS_CODING	101490433	Unknown function
SNP_3229B_30934419	Ca_Kabuli_Chr01	NC_021160.1	30934419	AA	GG	GG	INTRON	101490433	Unknown function
SNP_3230B_30934491	Ca_Kabuli_Chr01	NC_021160.1	30934491	GG	TT	TT	INTRON	101490433	Unknown function
SNP_3231B_30938086	Ca_Kabuli_Chr01	NC_021160.1	30938086	AA	CC	CC	INTRON	101490433	Unknown function
SNP_3232B_30938094	Ca_Kabuli_Chr01	NC_021160.1	30938094	TT	CC	CC	INTRON	101490433	Unknown function
SNP_3233B_30938106	Ca_Kabuli_Chr01	NC_021160.1	30938106	TT	CC	CC	INTRON	101490433	Unknown function
SNP_3234B_30938125	Ca_Kabuli_Chr01	NC_021160.1	30938125	GG	TT	TT	INTRON	101490433	Unknown function
SNP_3235B_30938197	Ca_Kabuli_Chr01	NC_021160.1	30938197	AA	GG	GG	INTRON	101490433	Unknown function
SNP_3236B_30938199	Ca_Kabuli_Chr01	NC_021160.1	30938199	TT	CC	CC	INTRON	101490433	Unknown function
SNP_3237B_30938210	Ca_Kabuli_Chr01	NC_021160.1	30938210	TT	CC	CC	INTRON	101490433	Unknown function
SNP_3238B_30938426	Ca_Kabuli_Chr01	NC_021160.1	30938426	AA	TT	TT	INTRON	101490433	Unknown function
SNP_3239B_30938529	Ca_Kabuli_Chr01	NC_021160.1	30938529	GG	AA	AA	INTRON	101490433	Unknown function
SNP_3240B_30938583	Ca_Kabuli_Chr01	NC_021160.1	30938583	TT	AA	AA	INTRON	101490433	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3241B_30960535	Ca_Kabuli_Chr01	NC_021160.1	30960535	AA	CC	CC	INTRON	101490433	Unknown function
SNP_3242B_30970277	Ca_Kabuli_Chr01	NC_021160.1	30970277	AA	GG	GG	INTRON	101490433	Unknown function
SNP_3243B_30987798	Ca_Kabuli_Chr01	NC_021160.1	30987798	CC	TT	TT	INTERGENIC		
SNP_3244B_31015934	Ca_Kabuli_Chr01	NC_021160.1	31015934	AA	TT	TT	INTERGENIC		
SNP_3245B_31017944	Ca_Kabuli_Chr01	NC_021160.1	31017944	CC	AA	AA	INTERGENIC		
SNP_3246B_31022049	Ca_Kabuli_Chr01	NC_021160.1	31022049	GG	AA	AA	INTERGENIC		
SNP_3247B_31022078	Ca_Kabuli_Chr01	NC_021160.1	31022078	TT	CC	CC	INTERGENIC		
SNP_3248B_31022085	Ca_Kabuli_Chr01	NC_021160.1	31022085	AA	GG	GG	INTERGENIC		
SNP_3249B_31022122	Ca_Kabuli_Chr01	NC_021160.1	31022122	TT	CC	CC	INTERGENIC		
SNP_3250B_31022238	Ca_Kabuli_Chr01	NC_021160.1	31022238	AA	GG	GG	INTERGENIC		
SNP_3251B_31022254	Ca_Kabuli_Chr01	NC_021160.1	31022254	CC	TT	TT	INTERGENIC		
SNP_3252B_31022266	Ca_Kabuli_Chr01	NC_021160.1	31022266	AA	GG	GG	INTERGENIC		
SNP_3253B_31022299	Ca_Kabuli_Chr01	NC_021160.1	31022299	TT	AA	AA	INTERGENIC		
SNP_3254B_31022314	Ca_Kabuli_Chr01	NC_021160.1	31022314	AA	CC	CC	INTERGENIC		
SNP_3255B_31029297	Ca_Kabuli_Chr01	NC_021160.1	31029297	CC	TT	TT	INTERGENIC		
SNP_3256B_31050832	Ca_Kabuli_Chr01	NC_021160.1	31050832	CC	AA	AA	INTERGENIC		
SNP_3257B_31050853	Ca_Kabuli_Chr01	NC_021160.1	31050853	CC	TT	TT	INTERGENIC		
SNP_3258B_31050900	Ca_Kabuli_Chr01	NC_021160.1	31050900	TT	CC	CC	INTERGENIC		
SNP_3259B_31050961	Ca_Kabuli_Chr01	NC_021160.1	31050961	GG	AA	AA	INTERGENIC		
SNP_3260B_31051182	Ca_Kabuli_Chr01	NC_021160.1	31051182	TT	CC	CC	INTERGENIC		
SNP_3261B_31051309	Ca_Kabuli_Chr01	NC_021160.1	31051309	CC	TT	TT	INTERGENIC		
SNP_3262B_31051369	Ca_Kabuli_Chr01	NC_021160.1	31051369	TT	CC	CC	INTERGENIC		
SNP_3264B_31073882	Ca_Kabuli_Chr01	NC_021160.1	31073882	GG	CC	CC	INTERGENIC		
SNP_3266B_31118852	Ca_Kabuli_Chr01	NC_021160.1	31118852	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3267B_31130065	Ca_Kabuli_Chr01	NC_021160.1	31130065	CC	TT	TT	INTERGENIC		
SNP_3268B_31162909	Ca_Kabuli_Chr01	NC_021160.1	31162909	AA	TT	TT	INTERGENIC		
SNP_3269B_31162948	Ca_Kabuli_Chr01	NC_021160.1	31162948	GG	AA	AA	INTERGENIC		
SNP_3270B_31162952	Ca_Kabuli_Chr01	NC_021160.1	31162952	CC	GG	GG	INTERGENIC		
SNP_3272B_31163570	Ca_Kabuli_Chr01	NC_021160.1	31163570	TT	CC	CC	INTERGENIC		
SNP_3273B_31185873	Ca_Kabuli_Chr01	NC_021160.1	31185873	GG	AA	AA	INTERGENIC		
SNP_3274B_31188019	Ca_Kabuli_Chr01	NC_021160.1	31188019	GG	AA	AA	INTERGENIC		
SNP_3275B_31193203	Ca_Kabuli_Chr01	NC_021160.1	31193203	GG	AA	AA	INTERGENIC		
SNP_3276B_31201538	Ca_Kabuli_Chr01	NC_021160.1	31201538	TT	CC	CC	INTERGENIC		
SNP_3277B_31218110	Ca_Kabuli_Chr01	NC_021160.1	31218110	AA	GG	GG	INTERGENIC		
SNP_3278B_31218387	Ca_Kabuli_Chr01	NC_021160.1	31218387	TT	AA	AA	INTERGENIC		
SNP_3279B_31218396	Ca_Kabuli_Chr01	NC_021160.1	31218396	GG	TT	TT	INTERGENIC		
SNP_3280B_31218464	Ca_Kabuli_Chr01	NC_021160.1	31218464	CC	AA	AA	INTERGENIC		
SNP_3281B_31218768	Ca_Kabuli_Chr01	NC_021160.1	31218768	GG	TT	TT	INTERGENIC		
SNP_3282B_31252970	Ca_Kabuli_Chr01	NC_021160.1	31252970	TT	CC	CC	INTERGENIC		
SNP_3283B_31279625	Ca_Kabuli_Chr01	NC_021160.1	31279625	AA	CC	CC	INTERGENIC		
SNP_3284B_31281017	Ca_Kabuli_Chr01	NC_021160.1	31281017	TT	AA	AA	INTERGENIC		
SNP_3285B_31281127	Ca_Kabuli_Chr01	NC_021160.1	31281127	AA	GG	GG	INTERGENIC		
SNP_3286B_31307322	Ca_Kabuli_Chr01	NC_021160.1	31307322	GG	AA	AA	INTERGENIC		
SNP_3287B_31310022	Ca_Kabuli_Chr01	NC_021160.1	31310022	AA	GG	GG	INTERGENIC		
SNP_3288B_31310323	Ca_Kabuli_Chr01	NC_021160.1	31310323	TT	GG	GG	INTERGENIC		
SNP_3289B_31310338	Ca_Kabuli_Chr01	NC_021160.1	31310338	GG	AA	AA	INTERGENIC		
SNP_3290B_31310412	Ca_Kabuli_Chr01	NC_021160.1	31310412	CC	TT	TT	INTERGENIC		
SNP_3291B_31326793	Ca_Kabuli_Chr01	NC_021160.1	31326793	AA	GG	GG	URR	101497993	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3292B_31344984	Ca_Kabuli_Chr01	NC_021160.1	31344984	GG	TT	TT	INTERGENIC		
SNP_3293B_31378909	Ca_Kabuli_Chr01	NC_021160.1	31378909	TT	AA	AA	INTERGENIC		
SNP_3294B_31379215	Ca_Kabuli_Chr01	NC_021160.1	31379215	AA	GG	GG	INTERGENIC		
SNP_3295B_31432738	Ca_Kabuli_Chr01	NC_021160.1	31432738	AA	GG	GG	INTERGENIC		
SNP_3296B_31434139	Ca_Kabuli_Chr01	NC_021160.1	31434139	CC	TT	TT	INTERGENIC		
SNP_3297B_31450553	Ca_Kabuli_Chr01	NC_021160.1	31450553	TT	AA	AA	INTERGENIC		
SNP_3298B_31455543	Ca_Kabuli_Chr01	NC_021160.1	31455543	GG	AA	AA	URR	101495171	uncharacterized LOC101495171
SNP_3300B_31482201	Ca_Kabuli_Chr01	NC_021160.1	31482201	TT	CC	CC	INTERGENIC		
SNP_3301B_31482268	Ca_Kabuli_Chr01	NC_021160.1	31482268	GG	AA	AA	INTERGENIC		
SNP_3302B_31490456	Ca_Kabuli_Chr01	NC_021160.1	31490456	AA	GG	GG	URR	101500270	uncharacterized LOC101500270
SNP_3303B_31494120	Ca_Kabuli_Chr01	NC_021160.1	31494120	AA	CC	CC	INTERGENIC		
SNP_3304B_31498392	Ca_Kabuli_Chr01	NC_021160.1	31498392	GG	AA	AA	INTERGENIC		
SNP_3306B_31499014	Ca_Kabuli_Chr01	NC_021160.1	31499014	AA	GG	GG	INTERGENIC		
SNP_3307B_31512866	Ca_Kabuli_Chr01	NC_021160.1	31512866	AA	GG	GG	INTERGENIC		
SNP_3308B_31544294	Ca_Kabuli_Chr01	NC_021160.1	31544294	GG	TT	TT	INTERGENIC		
SNP_3309B_31550922	Ca_Kabuli_Chr01	NC_021160.1	31550922	GG	AA	AA	URR	101500899	Unknown function
SNP_3310B_31585144	Ca_Kabuli_Chr01	NC_021160.1	31585144	CC	TT	TT	INTERGENIC		
SNP_3311B_31592077	Ca_Kabuli_Chr01	NC_021160.1	31592077	GG	CC	CC	NON_SYNONYMOUS_CODING	101496695	uridine 5'-monophosphate synthase-like
SNP_3314B_31592328	Ca_Kabuli_Chr01	NC_021160.1	31592328	AA	GG	GG	INTRON	101496695	uridine 5'-monophosphate synthase-like
SNP_3316B_31592502	Ca_Kabuli_Chr01	NC_021160.1	31592502	AA	CC	CC	INTRON	101496695	uridine 5'-monophosphate synthase-like
SNP_3317B_31592541	Ca_Kabuli_Chr01	NC_021160.1	31592541	GG	AA	AA	INTRON	101496695	uridine 5'-monophosphate synthase-like
SNP_3318B_31592742	Ca_Kabuli_Chr01	NC_021160.1	31592742	AA	TT	TT	NON_SYNONYMOUS_CODING	101496695	uridine 5'-monophosphate synthase-like
SNP_3319B_31592835	Ca_Kabuli_Chr01	NC_021160.1	31592835	GG	AA	AA	NON_SYNONYMOUS_CODING	101496695	uridine 5'-monophosphate synthase-like
SNP_3320B_31599512	Ca_Kabuli_Chr01	NC_021160.1	31599512	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3321B_31599546	Ca_Kabuli_Chr01	NC_021160.1	31599546	TT	GG	GG	INTERGENIC		
SNP_3322B_31599560	Ca_Kabuli_Chr01	NC_021160.1	31599560	TT	CC	CC	INTERGENIC		
SNP_3323B_31599582	Ca_Kabuli_Chr01	NC_021160.1	31599582	TT	AA	AA	INTERGENIC		
SNP_3324B_31599612	Ca_Kabuli_Chr01	NC_021160.1	31599612	TT	GG	GG	INTERGENIC		
SNP_3325B_31599797	Ca_Kabuli_Chr01	NC_021160.1	31599797	TT	CC	CC	INTERGENIC		
SNP_3326B_31599834	Ca_Kabuli_Chr01	NC_021160.1	31599834	CC	GG	GG	INTERGENIC		
SNP_3327B_31599841	Ca_Kabuli_Chr01	NC_021160.1	31599841	CC	TT	TT	INTERGENIC		
SNP_3328B_31600501	Ca_Kabuli_Chr01	NC_021160.1	31600501	GG	AA	AA	INTERGENIC		
SNP_3329B_31600637	Ca_Kabuli_Chr01	NC_021160.1	31600637	TT	AA	AA	INTERGENIC		
SNP_3330B_31600704	Ca_Kabuli_Chr01	NC_021160.1	31600704	CC	TT	TT	INTERGENIC		
SNP_3332B_31615700	Ca_Kabuli_Chr01	NC_021160.1	31615700	TT	CC	CC	INTERGENIC		
SNP_3333B_31627019	Ca_Kabuli_Chr01	NC_021160.1	31627019	AA	CC	CC	INTERGENIC		
SNP_3334B_31627028	Ca_Kabuli_Chr01	NC_021160.1	31627028	AA	GG	GG	INTERGENIC		
SNP_3335B_31627067	Ca_Kabuli_Chr01	NC_021160.1	31627067	GG	CC	CC	INTERGENIC		
SNP_3336B_31627102	Ca_Kabuli_Chr01	NC_021160.1	31627102	CC	TT	TT	INTERGENIC		
SNP_3337B_31627410	Ca_Kabuli_Chr01	NC_021160.1	31627410	GG	AA	AA	INTERGENIC		
SNP_3338B_31627507	Ca_Kabuli_Chr01	NC_021160.1	31627507	CC	TT	TT	INTERGENIC		
SNP_3339B_31627508	Ca_Kabuli_Chr01	NC_021160.1	31627508	CC	TT	TT	INTERGENIC		
SNP_3340B_31627512	Ca_Kabuli_Chr01	NC_021160.1	31627512	AA	GG	GG	INTERGENIC		
SNP_3341B_31627522	Ca_Kabuli_Chr01	NC_021160.1	31627522	TT	GG	GG	INTERGENIC		
SNP_3342B_31627605	Ca_Kabuli_Chr01	NC_021160.1	31627605	GG	TT	TT	INTERGENIC		
SNP_3343B_31627689	Ca_Kabuli_Chr01	NC_021160.1	31627689	AA	GG	GG	INTERGENIC		
SNP_3344B_31627733	Ca_Kabuli_Chr01	NC_021160.1	31627733	TT	CC	CC	INTERGENIC		
SNP_3345B_31627736	Ca_Kabuli_Chr01	NC_021160.1	31627736	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3346B_31627791	Ca_Kabuli_Chr01	NC_021160.1	31627791	AA	TT	TT	INTERGENIC		
SNP_3347B_31627793	Ca_Kabuli_Chr01	NC_021160.1	31627793	AA	CC	CC	INTERGENIC		
SNP_3349B_31667915	Ca_Kabuli_Chr01	NC_021160.1	31667915	TT	AA	AA	INTERGENIC		
SNP_3350B_31710522	Ca_Kabuli_Chr01	NC_021160.1	31710522	GG	AA	AA	INTERGENIC		
SNP_3351B_31710532	Ca_Kabuli_Chr01	NC_021160.1	31710532	GG	TT	TT	INTERGENIC		
SNP_3352B_31710552	Ca_Kabuli_Chr01	NC_021160.1	31710552	GG	TT	TT	INTERGENIC		
SNP_3353B_31716139	Ca_Kabuli_Chr01	NC_021160.1	31716139	TT	CC	CC	INTERGENIC		
SNP_3354B_31716183	Ca_Kabuli_Chr01	NC_021160.1	31716183	TT	AA	AA	INTERGENIC		
SNP_3355B_31716482	Ca_Kabuli_Chr01	NC_021160.1	31716482	AA	GG	GG	INTERGENIC		
SNP_3356B_31716618	Ca_Kabuli_Chr01	NC_021160.1	31716618	CC	GG	GG	INTERGENIC		
SNP_3357B_31721915	Ca_Kabuli_Chr01	NC_021160.1	31721915	AA	GG	GG	INTERGENIC		
SNP_3358B_31726028	Ca_Kabuli_Chr01	NC_021160.1	31726028	AA	GG	GG	INTERGENIC		
SNP_3359B_31726050	Ca_Kabuli_Chr01	NC_021160.1	31726050	TT	CC	CC	INTERGENIC		
SNP_3360B_31726067	Ca_Kabuli_Chr01	NC_021160.1	31726067	CC	AA	AA	INTERGENIC		
SNP_3361B_31726091	Ca_Kabuli_Chr01	NC_021160.1	31726091	CC	TT	TT	INTERGENIC		
SNP_3362B_31726096	Ca_Kabuli_Chr01	NC_021160.1	31726096	AA	CC	CC	INTERGENIC		
SNP_3363B_31726142	Ca_Kabuli_Chr01	NC_021160.1	31726142	TT	GG	GG	INTERGENIC		
SNP_3364B_31726241	Ca_Kabuli_Chr01	NC_021160.1	31726241	GG	AA	AA	INTERGENIC		
SNP_3365B_31726250	Ca_Kabuli_Chr01	NC_021160.1	31726250	AA	CC	CC	INTERGENIC		
SNP_3366B_31726262	Ca_Kabuli_Chr01	NC_021160.1	31726262	GG	AA	AA	INTERGENIC		
SNP_3367B_31726265	Ca_Kabuli_Chr01	NC_021160.1	31726265	TT	CC	CC	INTERGENIC		
SNP_3368B_31726273	Ca_Kabuli_Chr01	NC_021160.1	31726273	TT	GG	GG	INTERGENIC		
SNP_3369B_31768458	Ca_Kabuli_Chr01	NC_021160.1	31768458	GG	AA	AA	INTRON	101502180	uncharacterized LOC101502180
SNP_3371B_31778803	Ca_Kabuli_Chr01	NC_021160.1	31778803	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3372B_31778898	Ca_Kabuli_Chr01	NC_021160.1	31778898	CC	GG	GG	INTERGENIC		
SNP_3373B_31778976	Ca_Kabuli_Chr01	NC_021160.1	31778976	AA	GG	GG	INTERGENIC		
SNP_3374B_31778982	Ca_Kabuli_Chr01	NC_021160.1	31778982	CC	TT	TT	INTERGENIC		
SNP_3375B_31779039	Ca_Kabuli_Chr01	NC_021160.1	31779039	TT	CC	CC	INTERGENIC		
SNP_3376B_31779046	Ca_Kabuli_Chr01	NC_021160.1	31779046	TT	CC	CC	INTERGENIC		
SNP_3377B_31779048	Ca_Kabuli_Chr01	NC_021160.1	31779048	AA	GG	GG	INTERGENIC		
SNP_3378B_31779054	Ca_Kabuli_Chr01	NC_021160.1	31779054	GG	AA	AA	INTERGENIC		
SNP_3379B_31779306	Ca_Kabuli_Chr01	NC_021160.1	31779306	GG	TT	TT	INTERGENIC		
SNP_3380B_31779376	Ca_Kabuli_Chr01	NC_021160.1	31779376	AA	GG	GG	INTERGENIC		
SNP_3381B_31779547	Ca_Kabuli_Chr01	NC_021160.1	31779547	TT	GG	GG	INTERGENIC		
SNP_3382B_31779587	Ca_Kabuli_Chr01	NC_021160.1	31779587	CC	TT	TT	INTERGENIC		
SNP_3383B_31779601	Ca_Kabuli_Chr01	NC_021160.1	31779601	TT	CC	CC	INTERGENIC		
SNP_3384B_31779617	Ca_Kabuli_Chr01	NC_021160.1	31779617	AA	CC	CC	INTERGENIC		
SNP_3385B_31779693	Ca_Kabuli_Chr01	NC_021160.1	31779693	TT	AA	AA	INTERGENIC		
SNP_3386B_31779720	Ca_Kabuli_Chr01	NC_021160.1	31779720	TT	AA	AA	INTERGENIC		
SNP_3387B_31779764	Ca_Kabuli_Chr01	NC_021160.1	31779764	AA	TT	TT	INTERGENIC		
SNP_3388B_31779946	Ca_Kabuli_Chr01	NC_021160.1	31779946	TT	CC	CC	INTERGENIC		
SNP_3389B_31780000	Ca_Kabuli_Chr01	NC_021160.1	31780000	TT	GG	GG	INTERGENIC		
SNP_3390B_31780013	Ca_Kabuli_Chr01	NC_021160.1	31780013	GG	TT	TT	INTERGENIC		
SNP_3391B_31780017	Ca_Kabuli_Chr01	NC_021160.1	31780017	AA	TT	TT	INTERGENIC		
SNP_3392B_31780018	Ca_Kabuli_Chr01	NC_021160.1	31780018	AA	GG	GG	INTERGENIC		
SNP_3393B_31783355	Ca_Kabuli_Chr01	NC_021160.1	31783355	AA	GG	GG	INTERGENIC		
SNP_3394B_31783381	Ca_Kabuli_Chr01	NC_021160.1	31783381	TT	CC	CC	INTERGENIC		
SNP_3395B_31783604	Ca_Kabuli_Chr01	NC_021160.1	31783604	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3396B_31783648	Ca_Kabuli_Chr01	NC_021160.1	31783648	CC	GG	GG	INTERGENIC		
SNP_3397B_31783653	Ca_Kabuli_Chr01	NC_021160.1	31783653	CC	TT	TT	INTERGENIC		
SNP_3398B_31783700	Ca_Kabuli_Chr01	NC_021160.1	31783700	GG	AA	AA	INTERGENIC		
SNP_3400B_31783867	Ca_Kabuli_Chr01	NC_021160.1	31783867	GG	TT	TT	INTERGENIC		
SNP_3401B_31783910	Ca_Kabuli_Chr01	NC_021160.1	31783910	GG	AA	AA	INTERGENIC		
SNP_3402B_31784148	Ca_Kabuli_Chr01	NC_021160.1	31784148	AA	CC	CC	INTERGENIC		
SNP_3403B_31784244	Ca_Kabuli_Chr01	NC_021160.1	31784244	GG	AA	AA	INTERGENIC		
SNP_3404B_31784411	Ca_Kabuli_Chr01	NC_021160.1	31784411	GG	AA	AA	INTERGENIC		
SNP_3405B_31784609	Ca_Kabuli_Chr01	NC_021160.1	31784609	CC	TT	TT	INTERGENIC		
SNP_3406B_31784665	Ca_Kabuli_Chr01	NC_021160.1	31784665	GG	AA	AA	INTERGENIC		
SNP_3407B_31784685	Ca_Kabuli_Chr01	NC_021160.1	31784685	GG	AA	AA	INTERGENIC		
SNP_3408B_31784718	Ca_Kabuli_Chr01	NC_021160.1	31784718	CC	GG	GG	INTERGENIC		
SNP_3409B_31784851	Ca_Kabuli_Chr01	NC_021160.1	31784851	TT	CC	CC	INTERGENIC		
SNP_3410B_31785061	Ca_Kabuli_Chr01	NC_021160.1	31785061	AA	GG	GG	INTERGENIC		
SNP_3411B_31785115	Ca_Kabuli_Chr01	NC_021160.1	31785115	AA	TT	TT	INTERGENIC		
SNP_3412B_31785154	Ca_Kabuli_Chr01	NC_021160.1	31785154	AA	TT	TT	INTERGENIC		
SNP_3413B_31785186	Ca_Kabuli_Chr01	NC_021160.1	31785186	CC	GG	GG	INTERGENIC		
SNP_3414B_31785187	Ca_Kabuli_Chr01	NC_021160.1	31785187	CC	TT	TT	INTERGENIC		
SNP_3415B_31785298	Ca_Kabuli_Chr01	NC_021160.1	31785298	TT	GG	GG	INTERGENIC		
SNP_3416B_31785322	Ca_Kabuli_Chr01	NC_021160.1	31785322	CC	TT	TT	INTERGENIC		
SNP_3417B_31785336	Ca_Kabuli_Chr01	NC_021160.1	31785336	GG	AA	AA	INTERGENIC		
SNP_3418B_31785396	Ca_Kabuli_Chr01	NC_021160.1	31785396	AA	TT	TT	INTERGENIC		
SNP_3419B_31785448	Ca_Kabuli_Chr01	NC_021160.1	31785448	TT	GG	GG	INTERGENIC		
SNP_3420B_31785449	Ca_Kabuli_Chr01	NC_021160.1	31785449	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3421B_31785496	Ca_Kabuli_Chr01	NC_021160.1	31785496	CC	TT	TT	INTERGENIC		
SNP_3422B_31785537	Ca_Kabuli_Chr01	NC_021160.1	31785537	GG	AA	AA	INTERGENIC		
SNP_3423B_31785582	Ca_Kabuli_Chr01	NC_021160.1	31785582	TT	CC	CC	INTERGENIC		
SNP_3424B_31785585	Ca_Kabuli_Chr01	NC_021160.1	31785585	GG	CC	CC	INTERGENIC		
SNP_3425B_31785628	Ca_Kabuli_Chr01	NC_021160.1	31785628	CC	AA	AA	INTERGENIC		
SNP_3426B_31785648	Ca_Kabuli_Chr01	NC_021160.1	31785648	TT	GG	GG	INTERGENIC		
SNP_3427B_31785664	Ca_Kabuli_Chr01	NC_021160.1	31785664	AA	CC	CC	INTERGENIC		
SNP_3428B_31785704	Ca_Kabuli_Chr01	NC_021160.1	31785704	GG	AA	AA	INTERGENIC		
SNP_3429B_31785864	Ca_Kabuli_Chr01	NC_021160.1	31785864	AA	CC	CC	INTERGENIC		
SNP_3430B_31785905	Ca_Kabuli_Chr01	NC_021160.1	31785905	CC	TT	TT	INTERGENIC		
SNP_3431B_31786032	Ca_Kabuli_Chr01	NC_021160.1	31786032	GG	CC	CC	INTERGENIC		
SNP_3432B_31786048	Ca_Kabuli_Chr01	NC_021160.1	31786048	AA	CC	CC	INTERGENIC		
SNP_3433B_31786108	Ca_Kabuli_Chr01	NC_021160.1	31786108	AA	CC	CC	INTERGENIC		
SNP_3434B_31786136	Ca_Kabuli_Chr01	NC_021160.1	31786136	TT	CC	CC	INTERGENIC		
SNP_3435B_31786181	Ca_Kabuli_Chr01	NC_021160.1	31786181	AA	TT	TT	INTERGENIC		
SNP_3436B_31786269	Ca_Kabuli_Chr01	NC_021160.1	31786269	AA	TT	TT	INTERGENIC		
SNP_3437B_31786303	Ca_Kabuli_Chr01	NC_021160.1	31786303	TT	AA	AA	INTERGENIC		
SNP_3438B_31786347	Ca_Kabuli_Chr01	NC_021160.1	31786347	AA	GG	GG	INTERGENIC		
SNP_3439B_31786402	Ca_Kabuli_Chr01	NC_021160.1	31786402	CC	AA	AA	INTERGENIC		
SNP_3440B_31786406	Ca_Kabuli_Chr01	NC_021160.1	31786406	AA	TT	TT	INTERGENIC		
SNP_3441B_31786475	Ca_Kabuli_Chr01	NC_021160.1	31786475	TT	CC	CC	INTERGENIC		
SNP_3442B_31786479	Ca_Kabuli_Chr01	NC_021160.1	31786479	AA	TT	TT	INTERGENIC		
SNP_3443B_31786709	Ca_Kabuli_Chr01	NC_021160.1	31786709	TT	AA	AA	INTERGENIC		
SNP_3444B_31794450	Ca_Kabuli_Chr01	NC_021160.1	31794450	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3445B_31795631	Ca_Kabuli_Chr01	NC_021160.1	31795631	TT	GG	GG	INTERGENIC		
SNP_3446B_31795655	Ca_Kabuli_Chr01	NC_021160.1	31795655	TT	AA	AA	INTERGENIC		
SNP_3447B_31795660	Ca_Kabuli_Chr01	NC_021160.1	31795660	AA	TT	TT	INTERGENIC		
SNP_3448B_31795682	Ca_Kabuli_Chr01	NC_021160.1	31795682	CC	TT	TT	INTERGENIC		
SNP_3449B_31795690	Ca_Kabuli_Chr01	NC_021160.1	31795690	GG	AA	AA	INTERGENIC		
SNP_3450B_31795695	Ca_Kabuli_Chr01	NC_021160.1	31795695	GG	AA	AA	INTERGENIC		
SNP_3451B_31795739	Ca_Kabuli_Chr01	NC_021160.1	31795739	CC	AA	AA	INTERGENIC		
SNP_3452B_31795940	Ca_Kabuli_Chr01	NC_021160.1	31795940	GG	TT	TT	INTERGENIC		
SNP_3453B_31806460	Ca_Kabuli_Chr01	NC_021160.1	31806460	GG	TT	TT	INTERGENIC		
SNP_3454B_31833536	Ca_Kabuli_Chr01	NC_021160.1	31833536	AA	GG	GG	INTERGENIC		
SNP_3455B_31833562	Ca_Kabuli_Chr01	NC_021160.1	31833562	TT	GG	GG	INTERGENIC		
SNP_3456B_31833818	Ca_Kabuli_Chr01	NC_021160.1	31833818	TT	AA	AA	INTERGENIC		
SNP_3457B_31894983	Ca_Kabuli_Chr01	NC_021160.1	31894983	TT	CC	CC	INTRON	101503118	uncharacterized LOC101503118
SNP_3458B_31926842	Ca_Kabuli_Chr01	NC_021160.1	31926842	AA	GG	GG	INTRON	101503118	uncharacterized LOC101503118
SNP_3459B_31946706	Ca_Kabuli_Chr01	NC_021160.1	31946706	AA	GG	GG	INTRON	101503118	uncharacterized LOC101503118
SNP_3460B_31946717	Ca_Kabuli_Chr01	NC_021160.1	31946717	AA	GG	GG	INTRON	101503118	uncharacterized LOC101503118
SNP_3461B_31946725	Ca_Kabuli_Chr01	NC_021160.1	31946725	AA	TT	TT	INTRON	101503118	uncharacterized LOC101503118
SNP_3462B_31946746	Ca_Kabuli_Chr01	NC_021160.1	31946746	TT	GG	GG	INTRON	101503118	uncharacterized LOC101503118
SNP_3463B_31946750	Ca_Kabuli_Chr01	NC_021160.1	31946750	AA	GG	GG	INTRON	101503118	uncharacterized LOC101503118
SNP_3464B_31994739	Ca_Kabuli_Chr01	NC_021160.1	31994739	CC	TT	TT	INTERGENIC		
SNP_3465B_31995158	Ca_Kabuli_Chr01	NC_021160.1	31995158	GG	AA	AA	INTERGENIC		
SNP_3466B_31995168	Ca_Kabuli_Chr01	NC_021160.1	31995168	AA	TT	TT	INTERGENIC		
SNP_3467B_31995290	Ca_Kabuli_Chr01	NC_021160.1	31995290	TT	CC	CC	INTERGENIC		
SNP_3468B_31995301	Ca_Kabuli_Chr01	NC_021160.1	31995301	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3469B_31995364	Ca_Kabuli_Chr01	NC_021160.1	31995364	TT	GG	GG	INTERGENIC		
SNP_3470B_31995371	Ca_Kabuli_Chr01	NC_021160.1	31995371	TT	GG	GG	INTERGENIC		
SNP_3471B_31995426	Ca_Kabuli_Chr01	NC_021160.1	31995426	TT	CC	CC	INTERGENIC		
SNP_3473B_31995540	Ca_Kabuli_Chr01	NC_021160.1	31995540	AA	TT	TT	INTERGENIC		
SNP_3474B_31995565	Ca_Kabuli_Chr01	NC_021160.1	31995565	AA	GG	GG	INTERGENIC		
SNP_3475B_31995597	Ca_Kabuli_Chr01	NC_021160.1	31995597	CC	TT	TT	INTERGENIC		
SNP_3476B_31995700	Ca_Kabuli_Chr01	NC_021160.1	31995700	GG	AA	AA	INTERGENIC		
SNP_3477B_31995757	Ca_Kabuli_Chr01	NC_021160.1	31995757	CC	TT	TT	INTERGENIC		
SNP_3478B_32031054	Ca_Kabuli_Chr01	NC_021160.1	32031054	AA	CC	CC	INTRON	101504104	uncharacterized LOC101504104
SNP_3479B_32037059	Ca_Kabuli_Chr01	NC_021160.1	32037059	AA	GG	GG	URR	101504104	uncharacterized LOC101504104
SNP_3480B_32037065	Ca_Kabuli_Chr01	NC_021160.1	32037065	CC	TT	TT	URR	101504104	uncharacterized LOC101504104
SNP_3481B_32037081	Ca_Kabuli_Chr01	NC_021160.1	32037081	AA	TT	TT	URR	101504104	uncharacterized LOC101504104
SNP_3482B_32037112	Ca_Kabuli_Chr01	NC_021160.1	32037112	TT	CC	CC	URR	101504104	uncharacterized LOC101504104
SNP_3483B_32037275	Ca_Kabuli_Chr01	NC_021160.1	32037275	CC	TT	TT	URR	101504104	uncharacterized LOC101504104
SNP_3485B_32037412	Ca_Kabuli_Chr01	NC_021160.1	32037412	GG	AA	AA	URR	101504104	uncharacterized LOC101504104
SNP_3486B_32038775	Ca_Kabuli_Chr01	NC_021160.1	32038775	TT	CC	CC	INTERGENIC		
SNP_3487B_32038848	Ca_Kabuli_Chr01	NC_021160.1	32038848	TT	CC	CC	INTERGENIC		
SNP_3488B_32038856	Ca_Kabuli_Chr01	NC_021160.1	32038856	GG	TT	TT	INTERGENIC		
SNP_3489B_32038946	Ca_Kabuli_Chr01	NC_021160.1	32038946	CC	GG	GG	INTERGENIC		
SNP_3490B_32043856	Ca_Kabuli_Chr01	NC_021160.1	32043856	CC	AA	AA	INTERGENIC		
SNP_3491B_32047361	Ca_Kabuli_Chr01	NC_021160.1	32047361	CC	TT	TT	INTERGENIC		
SNP_3493B_32079242	Ca_Kabuli_Chr01	NC_021160.1	32079242	AA	TT	TT	INTERGENIC		
SNP_3494B_32079596	Ca_Kabuli_Chr01	NC_021160.1	32079596	TT	AA	AA	INTERGENIC		
SNP_3495B_32079599	Ca_Kabuli_Chr01	NC_021160.1	32079599	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3496B_32079617	Ca_Kabuli_Chr01	NC_021160.1	32079617	TT	AA	AA	INTERGENIC		
SNP_3497B_32079661	Ca_Kabuli_Chr01	NC_021160.1	32079661	AA	GG	GG	INTERGENIC		
SNP_3498B_32079675	Ca_Kabuli_Chr01	NC_021160.1	32079675	AA	CC	CC	INTERGENIC		
SNP_3499B_32079717	Ca_Kabuli_Chr01	NC_021160.1	32079717	TT	CC	CC	INTERGENIC		
SNP_3500B_32079786	Ca_Kabuli_Chr01	NC_021160.1	32079786	TT	CC	CC	INTERGENIC		
SNP_3501B_32079800	Ca_Kabuli_Chr01	NC_021160.1	32079800	AA	GG	GG	INTERGENIC		
SNP_3502B_32079816	Ca_Kabuli_Chr01	NC_021160.1	32079816	AA	GG	GG	INTERGENIC		
SNP_3503B_32079823	Ca_Kabuli_Chr01	NC_021160.1	32079823	TT	CC	CC	INTERGENIC		
SNP_3504B_32079914	Ca_Kabuli_Chr01	NC_021160.1	32079914	TT	GG	GG	INTERGENIC		
SNP_3505B_32079954	Ca_Kabuli_Chr01	NC_021160.1	32079954	TT	CC	CC	INTERGENIC		
SNP_3506B_32079987	Ca_Kabuli_Chr01	NC_021160.1	32079987	TT	CC	CC	INTERGENIC		
SNP_3507B_32080004	Ca_Kabuli_Chr01	NC_021160.1	32080004	AA	GG	GG	INTERGENIC		
SNP_3508B_32080019	Ca_Kabuli_Chr01	NC_021160.1	32080019	TT	CC	CC	INTERGENIC		
SNP_3509B_32080028	Ca_Kabuli_Chr01	NC_021160.1	32080028	TT	CC	CC	INTERGENIC		
SNP_3510B_32080067	Ca_Kabuli_Chr01	NC_021160.1	32080067	AA	GG	GG	INTERGENIC		
SNP_3511B_32080139	Ca_Kabuli_Chr01	NC_021160.1	32080139	AA	GG	GG	INTERGENIC		
SNP_3512B_32080153	Ca_Kabuli_Chr01	NC_021160.1	32080153	TT	CC	CC	INTERGENIC		
SNP_3513B_32080263	Ca_Kabuli_Chr01	NC_021160.1	32080263	TT	CC	CC	INTERGENIC		
SNP_3514B_32080264	Ca_Kabuli_Chr01	NC_021160.1	32080264	AA	GG	GG	INTERGENIC		
SNP_3515B_32080282	Ca_Kabuli_Chr01	NC_021160.1	32080282	AA	CC	CC	INTERGENIC		
SNP_3516B_32080283	Ca_Kabuli_Chr01	NC_021160.1	32080283	TT	CC	CC	INTERGENIC		
SNP_3517B_32080285	Ca_Kabuli_Chr01	NC_021160.1	32080285	TT	GG	GG	INTERGENIC		
SNP_3518B_32080315	Ca_Kabuli_Chr01	NC_021160.1	32080315	GG	AA	AA	INTERGENIC		
SNP_3519B_32080352	Ca_Kabuli_Chr01	NC_021160.1	32080352	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3520B_32080356	Ca_Kabuli_Chr01	NC_021160.1	32080356	AA	GG	GG	INTERGENIC		
SNP_3521B_32080368	Ca_Kabuli_Chr01	NC_021160.1	32080368	AA	GG	GG	INTERGENIC		
SNP_3522B_32080371	Ca_Kabuli_Chr01	NC_021160.1	32080371	AA	GG	GG	INTERGENIC		
SNP_3523B_32080412	Ca_Kabuli_Chr01	NC_021160.1	32080412	AA	GG	GG	INTERGENIC		
SNP_3524B_32080439	Ca_Kabuli_Chr01	NC_021160.1	32080439	TT	CC	CC	INTERGENIC		
SNP_3525B_32080453	Ca_Kabuli_Chr01	NC_021160.1	32080453	TT	GG	GG	INTERGENIC		
SNP_3526B_32080456	Ca_Kabuli_Chr01	NC_021160.1	32080456	GG	CC	CC	INTERGENIC		
SNP_3527B_32080459	Ca_Kabuli_Chr01	NC_021160.1	32080459	GG	AA	AA	INTERGENIC		
SNP_3528B_32080665	Ca_Kabuli_Chr01	NC_021160.1	32080665	TT	AA	AA	URR	101504415	Unknown function
SNP_3529B_32080696	Ca_Kabuli_Chr01	NC_021160.1	32080696	AA	GG	GG	URR	101504415	Unknown function
SNP_3530B_32080739	Ca_Kabuli_Chr01	NC_021160.1	32080739	AA	CC	CC	URR	101504415	Unknown function
SNP_3531B_32083459	Ca_Kabuli_Chr01	NC_021160.1	32083459	CC	TT	TT	SYNONYMOUS_CODING	101504735	uncharacterized LOC101504735
SNP_3532B_32087525	Ca_Kabuli_Chr01	NC_021160.1	32087525	TT	AA	AA	INTRON	101504735	uncharacterized LOC101504735
SNP_3533B_32124624	Ca_Kabuli_Chr01	NC_021160.1	32124624	CC	TT	TT	INTERGENIC		
SNP_3534B_32124810	Ca_Kabuli_Chr01	NC_021160.1	32124810	TT	GG	GG	INTERGENIC		
SNP_3535B_32125358	Ca_Kabuli_Chr01	NC_021160.1	32125358	GG	AA	AA	INTERGENIC		
SNP_3536B_32126767	Ca_Kabuli_Chr01	NC_021160.1	32126767	CC	AA	AA	INTERGENIC		
SNP_3537B_32126860	Ca_Kabuli_Chr01	NC_021160.1	32126860	TT	GG	GG	INTERGENIC		
SNP_3538B_32126900	Ca_Kabuli_Chr01	NC_021160.1	32126900	CC	TT	TT	INTERGENIC		
SNP_3539B_32128231	Ca_Kabuli_Chr01	NC_021160.1	32128231	GG	AA	AA	INTERGENIC		
SNP_3540B_32139298	Ca_Kabuli_Chr01	NC_021160.1	32139298	AA	TT	TT	INTERGENIC		
SNP_3541B_32139790	Ca_Kabuli_Chr01	NC_021160.1	32139790	GG	AA	AA	INTERGENIC		
SNP_3542B_32141246	Ca_Kabuli_Chr01	NC_021160.1	32141246	TT	CC	CC	INTERGENIC		
SNP_3543B_32141321	Ca_Kabuli_Chr01	NC_021160.1	32141321	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3544B_32141349	Ca_Kabuli_Chr01	NC_021160.1	32141349	CC	TT	TT	INTERGENIC		
SNP_3545B_32141350	Ca_Kabuli_Chr01	NC_021160.1	32141350	TT	CC	CC	INTERGENIC		
SNP_3546B_32141356	Ca_Kabuli_Chr01	NC_021160.1	32141356	TT	GG	GG	INTERGENIC		
SNP_3547B_32141365	Ca_Kabuli_Chr01	NC_021160.1	32141365	TT	CC	CC	INTERGENIC		
SNP_3548B_32145583	Ca_Kabuli_Chr01	NC_021160.1	32145583	CC	TT	TT	INTERGENIC		
SNP_3549B_32145938	Ca_Kabuli_Chr01	NC_021160.1	32145938	GG	AA	AA	INTERGENIC		
SNP_3550B_32146643	Ca_Kabuli_Chr01	NC_021160.1	32146643	CC	AA	AA	INTERGENIC		
SNP_3552B_32150287	Ca_Kabuli_Chr01	NC_021160.1	32150287	AA	TT	TT	INTERGENIC		
SNP_3553B_32150288	Ca_Kabuli_Chr01	NC_021160.1	32150288	TT	GG	GG	INTERGENIC		
SNP_3554B_32150355	Ca_Kabuli_Chr01	NC_021160.1	32150355	GG	AA	AA	INTERGENIC		
SNP_3555B_32150510	Ca_Kabuli_Chr01	NC_021160.1	32150510	AA	GG	GG	INTERGENIC		
SNP_3556B_32150603	Ca_Kabuli_Chr01	NC_021160.1	32150603	TT	CC	CC	INTERGENIC		
SNP_3557B_32150639	Ca_Kabuli_Chr01	NC_021160.1	32150639	CC	AA	AA	INTERGENIC		
SNP_3558B_32150819	Ca_Kabuli_Chr01	NC_021160.1	32150819	GG	AA	AA	INTERGENIC		
SNP_3559B_32151737	Ca_Kabuli_Chr01	NC_021160.1	32151737	TT	GG	GG	INTERGENIC		
SNP_3560B_32152033	Ca_Kabuli_Chr01	NC_021160.1	32152033	GG	AA	AA	INTERGENIC		
SNP_3561B_32152241	Ca_Kabuli_Chr01	NC_021160.1	32152241	CC	TT	TT	INTERGENIC		
SNP_3563B_32154834	Ca_Kabuli_Chr01	NC_021160.1	32154834	AA	CC	CC	INTERGENIC		
SNP_3564B_32154876	Ca_Kabuli_Chr01	NC_021160.1	32154876	AA	CC	CC	INTERGENIC		
SNP_3565B_32155025	Ca_Kabuli_Chr01	NC_021160.1	32155025	CC	TT	TT	INTERGENIC		
SNP_3566B_32155031	Ca_Kabuli_Chr01	NC_021160.1	32155031	TT	CC	CC	INTERGENIC		
SNP_3567B_32158328	Ca_Kabuli_Chr01	NC_021160.1	32158328	AA	GG	GG	INTERGENIC		
SNP_3568B_32159539	Ca_Kabuli_Chr01	NC_021160.1	32159539	TT	CC	CC	INTERGENIC		
SNP_3569B_32160754	Ca_Kabuli_Chr01	NC_021160.1	32160754	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3570B_32175687	Ca_Kabuli_Chr01	NC_021160.1	32175687	AA	TT	TT	INTERGENIC		
SNP_3571B_32177250	Ca_Kabuli_Chr01	NC_021160.1	32177250	TT	CC	CC	DRR	101506137	Unknown function
SNP_3572B_32177347	Ca_Kabuli_Chr01	NC_021160.1	32177347	TT	GG	GG	DRR	101506137	Unknown function
SNP_3573B_32179927	Ca_Kabuli_Chr01	NC_021160.1	32179927	CC	TT	TT	URR	101506137	Unknown function
SNP_3574B_32179929	Ca_Kabuli_Chr01	NC_021160.1	32179929	AA	GG	GG	URR	101506137	Unknown function
SNP_3575B_32179933	Ca_Kabuli_Chr01	NC_021160.1	32179933	AA	CC	CC	URR	101506137	Unknown function
SNP_3576B_32179935	Ca_Kabuli_Chr01	NC_021160.1	32179935	TT	GG	GG	URR	101506137	Unknown function
SNP_3578B_32180045	Ca_Kabuli_Chr01	NC_021160.1	32180045	AA	TT	TT	URR	101506137	Unknown function
SNP_3579B_32180064	Ca_Kabuli_Chr01	NC_021160.1	32180064	AA	GG	GG	URR	101506137	Unknown function
SNP_3580B_32183847	Ca_Kabuli_Chr01	NC_021160.1	32183847	TT	AA	AA	INTERGENIC		
SNP_3581B_32183849	Ca_Kabuli_Chr01	NC_021160.1	32183849	TT	CC	CC	INTERGENIC		
SNP_3582B_32183878	Ca_Kabuli_Chr01	NC_021160.1	32183878	GG	AA	AA	INTERGENIC		
SNP_3583B_32186801	Ca_Kabuli_Chr01	NC_021160.1	32186801	AA	TT	TT	DRR	101506469	cytochrome P450 714A2-like
SNP_3584B_32186837	Ca_Kabuli_Chr01	NC_021160.1	32186837	TT	CC	CC	DRR	101506469	cytochrome P450 714A2-like
SNP_3585B_32193373	Ca_Kabuli_Chr01	NC_021160.1	32193373	CC	GG	GG	INTERGENIC		
SNP_3586B_32193378	Ca_Kabuli_Chr01	NC_021160.1	32193378	CC	AA	AA	INTERGENIC		
SNP_3587B_32195318	Ca_Kabuli_Chr01	NC_021160.1	32195318	CC	GG	GG	INTERGENIC		
SNP_3588B_32204161	Ca_Kabuli_Chr01	NC_021160.1	32204161	AA	TT	TT	INTERGENIC		
SNP_3589B_32221523	Ca_Kabuli_Chr01	NC_021160.1	32221523	CC	AA	AA	INTERGENIC		
SNP_3590B_32244132	Ca_Kabuli_Chr01	NC_021160.1	32244132	TT	CC	CC	INTERGENIC		
SNP_3591B_32244133	Ca_Kabuli_Chr01	NC_021160.1	32244133	CC	TT	TT	INTERGENIC		
SNP_3592B_32244175	Ca_Kabuli_Chr01	NC_021160.1	32244175	CC	TT	TT	INTERGENIC		
SNP_3594B_32244212	Ca_Kabuli_Chr01	NC_021160.1	32244212	CC	TT	TT	INTERGENIC		
SNP_3595B_32244389	Ca_Kabuli_Chr01	NC_021160.1	32244389	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3596B_32281797	Ca_Kabuli_Chr01	NC_021160.1	32281797	GG	AA	AA	URR	101505381	INO80 complex subunit C-like
SNP_3597B_32281800	Ca_Kabuli_Chr01	NC_021160.1	32281800	TT	AA	AA	URR	101505381	INO80 complex subunit C-like
SNP_3598B_32282005	Ca_Kabuli_Chr01	NC_021160.1	32282005	TT	GG	GG	DRR	101506795	SKP1-like protein 19
SNP_3599B_32282059	Ca_Kabuli_Chr01	NC_021160.1	32282059	GG	AA	AA	DRR	101506795	SKP1-like protein 19
SNP_3600B_32283198	Ca_Kabuli_Chr01	NC_021160.1	32283198	CC	GG	GG	INTERGENIC		
SNP_3601B_32286534	Ca_Kabuli_Chr01	NC_021160.1	32286534	GG	CC	CC	INTERGENIC		
SNP_3602B_32286535	Ca_Kabuli_Chr01	NC_021160.1	32286535	GG	AA	AA	INTERGENIC		
SNP_3603B_32286544	Ca_Kabuli_Chr01	NC_021160.1	32286544	GG	AA	AA	INTERGENIC		
SNP_3604B_32286545	Ca_Kabuli_Chr01	NC_021160.1	32286545	AA	GG	GG	INTERGENIC		
SNP_3605B_32286555	Ca_Kabuli_Chr01	NC_021160.1	32286555	TT	CC	CC	INTERGENIC		
SNP_3606B_32300319	Ca_Kabuli_Chr01	NC_021160.1	32300319	CC	TT	TT	INTERGENIC		
SNP_3607B_32301100	Ca_Kabuli_Chr01	NC_021160.1	32301100	TT	CC	CC	INTERGENIC		
SNP_3608B_32301103	Ca_Kabuli_Chr01	NC_021160.1	32301103	AA	CC	CC	INTERGENIC		
SNP_3609B_32301267	Ca_Kabuli_Chr01	NC_021160.1	32301267	TT	CC	CC	INTERGENIC		
SNP_3610B_32424628	Ca_Kabuli_Chr01	NC_021160.1	32424628	GG	AA	AA	INTERGENIC		
SNP_3611B_32428589	Ca_Kabuli_Chr01	NC_021160.1	32428589	TT	CC	CC	INTERGENIC		
SNP_3613B_32454431	Ca_Kabuli_Chr01	NC_021160.1	32454431	AA	TT	TT	INTERGENIC		
SNP_3614B_32454432	Ca_Kabuli_Chr01	NC_021160.1	32454432	AA	TT	TT	INTERGENIC		
SNP_3615B_32454434	Ca_Kabuli_Chr01	NC_021160.1	32454434	TT	CC	CC	INTERGENIC		
SNP_3616B_32454438	Ca_Kabuli_Chr01	NC_021160.1	32454438	GG	AA	AA	INTERGENIC		
SNP_3617B_32454477	Ca_Kabuli_Chr01	NC_021160.1	32454477	CC	AA	AA	INTERGENIC		
SNP_3618B_32758587	Ca_Kabuli_Chr01	NC_021160.1	32758587	AA	TT	TT	INTERGENIC		
SNP_3619B_32758640	Ca_Kabuli_Chr01	NC_021160.1	32758640	CC	TT	TT	INTERGENIC		
SNP_3620B_32758642	Ca_Kabuli_Chr01	NC_021160.1	32758642	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3621B_32758692	Ca_Kabuli_Chr01	NC_021160.1	32758692	GG	AA	AA	INTERGENIC		
SNP_3622B_32758715	Ca_Kabuli_Chr01	NC_021160.1	32758715	GG	CC	CC	INTERGENIC		
SNP_3623B_32758718	Ca_Kabuli_Chr01	NC_021160.1	32758718	AA	GG	GG	INTERGENIC		
SNP_3624B_32758734	Ca_Kabuli_Chr01	NC_021160.1	32758734	TT	AA	AA	INTERGENIC		
SNP_3625B_32758770	Ca_Kabuli_Chr01	NC_021160.1	32758770	GG	AA	AA	INTERGENIC		
SNP_3626B_32758773	Ca_Kabuli_Chr01	NC_021160.1	32758773	AA	GG	GG	INTERGENIC		
SNP_3627B_32758781	Ca_Kabuli_Chr01	NC_021160.1	32758781	CC	TT	TT	INTERGENIC		
SNP_3628B_32758861	Ca_Kabuli_Chr01	NC_021160.1	32758861	TT	AA	AA	INTERGENIC		
SNP_3629B_32788553	Ca_Kabuli_Chr01	NC_021160.1	32788553	AA	TT	TT	INTERGENIC		
SNP_3630B_32796080	Ca_Kabuli_Chr01	NC_021160.1	32796080	TT	GG	GG	INTERGENIC		
SNP_3631B_32796086	Ca_Kabuli_Chr01	NC_021160.1	32796086	TT	CC	CC	INTERGENIC		
SNP_3632B_32807873	Ca_Kabuli_Chr01	NC_021160.1	32807873	AA	GG	GG	INTERGENIC		
SNP_3633B_32810187	Ca_Kabuli_Chr01	NC_021160.1	32810187	CC	GG	GG	INTERGENIC		
SNP_3634B_32834033	Ca_Kabuli_Chr01	NC_021160.1	32834033	TT	CC	CC	INTERGENIC		
SNP_3635B_32834099	Ca_Kabuli_Chr01	NC_021160.1	32834099	AA	GG	GG	INTERGENIC		
SNP_3636B_32849558	Ca_Kabuli_Chr01	NC_021160.1	32849558	TT	CC	CC	INTERGENIC		
SNP_3637B_32868520	Ca_Kabuli_Chr01	NC_021160.1	32868520	AA	TT	TT	INTERGENIC		
SNP_3638B_32868553	Ca_Kabuli_Chr01	NC_021160.1	32868553	CC	GG	GG	INTERGENIC		
SNP_3640B_32914427	Ca_Kabuli_Chr01	NC_021160.1	32914427	TT	CC	CC	INTERGENIC		
SNP_3641B_32914665	Ca_Kabuli_Chr01	NC_021160.1	32914665	CC	TT	TT	INTERGENIC		
SNP_3642B_32941061	Ca_Kabuli_Chr01	NC_021160.1	32941061	AA	GG	GG	INTERGENIC		
SNP_3643B_32941412	Ca_Kabuli_Chr01	NC_021160.1	32941412	GG	CC	CC	INTERGENIC		
SNP_3644B_32949227	Ca_Kabuli_Chr01	NC_021160.1	32949227	AA	CC	CC	INTERGENIC		
SNP_3645B_32950484	Ca_Kabuli_Chr01	NC_021160.1	32950484	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3646B_32957577	Ca_Kabuli_Chr01	NC_021160.1	32957577	TT	AA	AA	INTERGENIC		
SNP_3647B_32957590	Ca_Kabuli_Chr01	NC_021160.1	32957590	GG	CC	CC	INTERGENIC		
SNP_3648B_32957728	Ca_Kabuli_Chr01	NC_021160.1	32957728	AA	GG	GG	INTERGENIC		
SNP_3649B_32973886	Ca_Kabuli_Chr01	NC_021160.1	32973886	GG	CC	CC	INTERGENIC		
SNP_3650B_32974240	Ca_Kabuli_Chr01	NC_021160.1	32974240	CC	TT	TT	INTERGENIC		
SNP_3651B_32977228	Ca_Kabuli_Chr01	NC_021160.1	32977228	GG	TT	TT	INTERGENIC		
SNP_3652B_32981502	Ca_Kabuli_Chr01	NC_021160.1	32981502	TT	CC	CC	INTERGENIC		
SNP_3653B_32983455	Ca_Kabuli_Chr01	NC_021160.1	32983455	GG	AA	AA	INTERGENIC		
SNP_3654B_32984083	Ca_Kabuli_Chr01	NC_021160.1	32984083	GG	TT	TT	INTERGENIC		
SNP_3655B_32984121	Ca_Kabuli_Chr01	NC_021160.1	32984121	AA	GG	GG	INTERGENIC		
SNP_3656B_32998589	Ca_Kabuli_Chr01	NC_021160.1	32998589	CC	TT	TT	INTERGENIC		
SNP_3657B_33006065	Ca_Kabuli_Chr01	NC_021160.1	33006065	CC	TT	TT	INTERGENIC		
SNP_3658B_33008475	Ca_Kabuli_Chr01	NC_021160.1	33008475	AA	GG	GG	INTERGENIC		
SNP_3660B_33019147	Ca_Kabuli_Chr01	NC_021160.1	33019147	AA	CC	CC	INTERGENIC		
SNP_3661B_33019157	Ca_Kabuli_Chr01	NC_021160.1	33019157	AA	GG	GG	INTERGENIC		
SNP_3662B_33019614	Ca_Kabuli_Chr01	NC_021160.1	33019614	CC	TT	TT	INTERGENIC		
SNP_3663B_33019665	Ca_Kabuli_Chr01	NC_021160.1	33019665	AA	GG	GG	INTERGENIC		
SNP_3665B_33041047	Ca_Kabuli_Chr01	NC_021160.1	33041047	AA	GG	GG	INTERGENIC		
SNP_3666B_33054193	Ca_Kabuli_Chr01	NC_021160.1	33054193	AA	TT	TT	INTRON	101509023	protein argonaute PNH1-like
SNP_3667B_33088946	Ca_Kabuli_Chr01	NC_021160.1	33088946	CC	TT	TT	INTERGENIC		
SNP_3669B_33102894	Ca_Kabuli_Chr01	NC_021160.1	33102894	AA	CC	CC	INTERGENIC		
SNP_3670B_33120242	Ca_Kabuli_Chr01	NC_021160.1	33120242	CC	TT	TT	INTERGENIC		
SNP_3671B_33126752	Ca_Kabuli_Chr01	NC_021160.1	33126752	CC	TT	TT	INTERGENIC		
SNP_3672B_33129493	Ca_Kabuli_Chr01	NC_021160.1	33129493	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3673B_33159709	Ca_Kabuli_Chr01	NC_021160.1	33159709	CC	TT	TT	INTERGENIC		
SNP_3674B_33159757	Ca_Kabuli_Chr01	NC_021160.1	33159757	GG	TT	TT	INTERGENIC		
SNP_3675B_33167731	Ca_Kabuli_Chr01	NC_021160.1	33167731	AA	TT	TT	DRR	101511069	putative ATP-dependent helicase hrq1
SNP_3676B_33172369	Ca_Kabuli_Chr01	NC_021160.1	33172369	AA	TT	TT	NON_SYNONYMOUS_CODING	101511069	putative ATP-dependent helicase hrq1
SNP_3677B_33184163	Ca_Kabuli_Chr01	NC_021160.1	33184163	AA	GG	GG	INTRON	101511069	putative ATP-dependent helicase hrq1
SNP_3679B_33197142	Ca_Kabuli_Chr01	NC_021160.1	33197142	TT	CC	CC	INTRON	101511069	putative ATP-dependent helicase hrq1
SNP_3680B_33203865	Ca_Kabuli_Chr01	NC_021160.1	33203865	TT	GG	GG	INTRON	101511069	putative ATP-dependent helicase hrq1
SNP_3681B_33231150	Ca_Kabuli_Chr01	NC_021160.1	33231150	GG	AA	AA	INTERGENIC		
SNP_3682B_33241421	Ca_Kabuli_Chr01	NC_021160.1	33241421	CC	TT	TT	INTERGENIC		
SNP_3683B_33241489	Ca_Kabuli_Chr01	NC_021160.1	33241489	TT	GG	GG	INTERGENIC		
SNP_3685B_33247694	Ca_Kabuli_Chr01	NC_021160.1	33247694	GG	AA	AA	INTERGENIC		
SNP_3686B_33253349	Ca_Kabuli_Chr01	NC_021160.1	33253349	TT	GG	GG	INTERGENIC		
SNP_3687B_33253354	Ca_Kabuli_Chr01	NC_021160.1	33253354	AA	GG	GG	INTERGENIC		
SNP_3688B_33258718	Ca_Kabuli_Chr01	NC_021160.1	33258718	TT	CC	CC	INTERGENIC		
SNP_3690B_33261846	Ca_Kabuli_Chr01	NC_021160.1	33261846	AA	GG	GG	INTERGENIC		
SNP_3691B_33261870	Ca_Kabuli_Chr01	NC_021160.1	33261870	GG	AA	AA	INTERGENIC		
SNP_3692B_33269607	Ca_Kabuli_Chr01	NC_021160.1	33269607	GG	TT	TT	INTERGENIC		
SNP_3693B_33271892	Ca_Kabuli_Chr01	NC_021160.1	33271892	AA	GG	GG	INTERGENIC		
SNP_3694B_33278944	Ca_Kabuli_Chr01	NC_021160.1	33278944	CC	TT	TT	INTERGENIC		
SNP_3695B_33283333	Ca_Kabuli_Chr01	NC_021160.1	33283333	GG	TT	TT	INTERGENIC		
SNP_3697B_33288039	Ca_Kabuli_Chr01	NC_021160.1	33288039	TT	CC	CC	INTERGENIC		
SNP_3698B_33288159	Ca_Kabuli_Chr01	NC_021160.1	33288159	TT	GG	GG	INTERGENIC		
SNP_3699B_33288297	Ca_Kabuli_Chr01	NC_021160.1	33288297	CC	AA	AA	INTERGENIC		
SNP_3700B_33303653	Ca_Kabuli_Chr01	NC_021160.1	33303653	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3701B_33304035	Ca_Kabuli_Chr01	NC_021160.1	33304035	GG	CC	CC	INTERGENIC		
SNP_3702B_33306121	Ca_Kabuli_Chr01	NC_021160.1	33306121	AA	TT	TT	INTERGENIC		
SNP_3703B_33306126	Ca_Kabuli_Chr01	NC_021160.1	33306126	AA	GG	GG	INTERGENIC		
SNP_3704B_33307490	Ca_Kabuli_Chr01	NC_021160.1	33307490	AA	TT	TT	INTERGENIC		
SNP_3705B_33307771	Ca_Kabuli_Chr01	NC_021160.1	33307771	AA	CC	CC	INTERGENIC		
SNP_3706B_33307844	Ca_Kabuli_Chr01	NC_021160.1	33307844	TT	CC	CC	INTERGENIC		
SNP_3707B_33307868	Ca_Kabuli_Chr01	NC_021160.1	33307868	TT	CC	CC	INTERGENIC		
SNP_3708B_33307920	Ca_Kabuli_Chr01	NC_021160.1	33307920	AA	GG	GG	INTERGENIC		
SNP_3709B_33320320	Ca_Kabuli_Chr01	NC_021160.1	33320320	GG	TT	TT	INTERGENIC		
SNP_3711B_33339141	Ca_Kabuli_Chr01	NC_021160.1	33339141	CC	TT	TT	INTERGENIC		
SNP_3712B_33340255	Ca_Kabuli_Chr01	NC_021160.1	33340255	TT	CC	CC	INTERGENIC		
SNP_3713B_33350431	Ca_Kabuli_Chr01	NC_021160.1	33350431	CC	TT	TT	INTERGENIC		
SNP_3714B_33350458	Ca_Kabuli_Chr01	NC_021160.1	33350458	TT	CC	CC	INTERGENIC		
SNP_3715B_33351774	Ca_Kabuli_Chr01	NC_021160.1	33351774	GG	CC	CC	INTERGENIC		
SNP_3716B_33354074	Ca_Kabuli_Chr01	NC_021160.1	33354074	AA	TT	TT	INTERGENIC		
SNP_3717B_33357648	Ca_Kabuli_Chr01	NC_021160.1	33357648	TT	GG	GG	INTERGENIC		
SNP_3718B_33357708	Ca_Kabuli_Chr01	NC_021160.1	33357708	TT	GG	GG	INTERGENIC		
SNP_3720B_33389271	Ca_Kabuli_Chr01	NC_021160.1	33389271	AA	GG	GG	INTERGENIC		
SNP_3721B_33394216	Ca_Kabuli_Chr01	NC_021160.1	33394216	GG	TT	TT	INTERGENIC		
SNP_3722B_33400603	Ca_Kabuli_Chr01	NC_021160.1	33400603	TT	CC	CC	INTERGENIC		
SNP_3723B_33402115	Ca_Kabuli_Chr01	NC_021160.1	33402115	TT	CC	CC	INTERGENIC		
SNP_3725B_33407796	Ca_Kabuli_Chr01	NC_021160.1	33407796	AA	GG	GG	INTERGENIC		
SNP_3726B_33446000	Ca_Kabuli_Chr01	NC_021160.1	33446000	GG	AA	AA	INTERGENIC		
SNP_3727B_33452685	Ca_Kabuli_Chr01	NC_021160.1	33452685	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3728B_33459119	Ca_Kabuli_Chr01	NC_021160.1	33459119	AA	GG	GG	INTERGENIC		
SNP_3729B_33459129	Ca_Kabuli_Chr01	NC_021160.1	33459129	TT	CC	CC	INTERGENIC		
SNP_3730B_33459195	Ca_Kabuli_Chr01	NC_021160.1	33459195	AA	GG	GG	INTERGENIC		
SNP_3731B_33459378	Ca_Kabuli_Chr01	NC_021160.1	33459378	AA	GG	GG	INTERGENIC		
SNP_3732B_33462887	Ca_Kabuli_Chr01	NC_021160.1	33462887	AA	GG	GG	INTERGENIC		
SNP_3733B_33465500	Ca_Kabuli_Chr01	NC_021160.1	33465500	CC	TT	TT	INTERGENIC		
SNP_3734B_33488476	Ca_Kabuli_Chr01	NC_021160.1	33488476	TT	CC	CC	INTERGENIC		
SNP_3735B_33488482	Ca_Kabuli_Chr01	NC_021160.1	33488482	AA	GG	GG	INTERGENIC		
SNP_3736B_33488565	Ca_Kabuli_Chr01	NC_021160.1	33488565	AA	GG	GG	INTERGENIC		
SNP_3737B_33488626	Ca_Kabuli_Chr01	NC_021160.1	33488626	CC	AA	AA	INTERGENIC		
SNP_3738B_33488663	Ca_Kabuli_Chr01	NC_021160.1	33488663	TT	CC	CC	INTERGENIC		
SNP_3739B_33488691	Ca_Kabuli_Chr01	NC_021160.1	33488691	AA	CC	CC	INTERGENIC		
SNP_3740B_33489005	Ca_Kabuli_Chr01	NC_021160.1	33489005	TT	GG	GG	INTERGENIC		
SNP_3741B_33493040	Ca_Kabuli_Chr01	NC_021160.1	33493040	CC	TT	TT	INTERGENIC		
SNP_3742B_33493044	Ca_Kabuli_Chr01	NC_021160.1	33493044	GG	TT	TT	INTERGENIC		
SNP_3743B_33493426	Ca_Kabuli_Chr01	NC_021160.1	33493426	CC	TT	TT	INTERGENIC		
SNP_3744B_33493444	Ca_Kabuli_Chr01	NC_021160.1	33493444	GG	CC	CC	INTERGENIC		
SNP_3745B_33506013	Ca_Kabuli_Chr01	NC_021160.1	33506013	AA	GG	GG	NON_SYNONYMOUS_CODING	101490435	Unknown function
SNP_3746B_33506168	Ca_Kabuli_Chr01	NC_021160.1	33506168	GG	AA	AA	NON_SYNONYMOUS_CODING	101490435	Unknown function
SNP_3747B_33506425	Ca_Kabuli_Chr01	NC_021160.1	33506425	TT	CC	CC	NON_SYNONYMOUS_CODING	101490435	Unknown function
SNP_3749B_33506500	Ca_Kabuli_Chr01	NC_021160.1	33506500	GG	AA	AA	NON_SYNONYMOUS_CODING	101490435	Unknown function
SNP_3750B_33526951	Ca_Kabuli_Chr01	NC_021160.1	33526951	TT	CC	CC	INTERGENIC		
SNP_3751B_33565641	Ca_Kabuli_Chr01	NC_021160.1	33565641	AA	GG	GG	INTERGENIC		
SNP_3752B_33573283	Ca_Kabuli_Chr01	NC_021160.1	33573283	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3753B_33630870	Ca_Kabuli_Chr01	NC_021160.1	33630870	AA	GG	GG	INTERGENIC		
SNP_3754B_33630883	Ca_Kabuli_Chr01	NC_021160.1	33630883	TT	CC	CC	INTERGENIC		
SNP_3755B_33639342	Ca_Kabuli_Chr01	NC_021160.1	33639342	AA	CC	CC	INTERGENIC		
SNP_3756B_33639426	Ca_Kabuli_Chr01	NC_021160.1	33639426	AA	GG	GG	INTERGENIC		
SNP_3757B_33639686	Ca_Kabuli_Chr01	NC_021160.1	33639686	TT	AA	AA	INTERGENIC		
SNP_3758B_33640416	Ca_Kabuli_Chr01	NC_021160.1	33640416	GG	AA	AA	INTERGENIC		
SNP_3759B_33640674	Ca_Kabuli_Chr01	NC_021160.1	33640674	TT	AA	AA	INTERGENIC		
SNP_3760B_33652218	Ca_Kabuli_Chr01	NC_021160.1	33652218	TT	CC	CC	URR	101512249	UDP-arabinopyranose mutase 3-like
SNP_3763B_33681818	Ca_Kabuli_Chr01	NC_021160.1	33681818	GG	AA	AA	INTERGENIC		
SNP_3764B_33682109	Ca_Kabuli_Chr01	NC_021160.1	33682109	GG	AA	AA	INTERGENIC		
SNP_3765B_33688956	Ca_Kabuli_Chr01	NC_021160.1	33688956	CC	AA	AA	INTERGENIC		
SNP_3766B_33688984	Ca_Kabuli_Chr01	NC_021160.1	33688984	CC	TT	TT	INTERGENIC		
SNP_3767B_33689818	Ca_Kabuli_Chr01	NC_021160.1	33689818	TT	GG	GG	INTERGENIC		
SNP_3768B_33698929	Ca_Kabuli_Chr01	NC_021160.1	33698929	TT	GG	GG	URR	101512579	COBRA-like protein 4
SNP_3769B_33699652	Ca_Kabuli_Chr01	NC_021160.1	33699652	AA	TT	TT	URR	101512579	COBRA-like protein 4
SNP_3770B_33700031	Ca_Kabuli_Chr01	NC_021160.1	33700031	AA	TT	TT	INTERGENIC		
SNP_3771B_33700032	Ca_Kabuli_Chr01	NC_021160.1	33700032	GG	AA	AA	INTERGENIC		
SNP_3772B_33700042	Ca_Kabuli_Chr01	NC_021160.1	33700042	AA	CC	CC	INTERGENIC		
SNP_3773B_33700050	Ca_Kabuli_Chr01	NC_021160.1	33700050	CC	AA	AA	INTERGENIC		
SNP_3774B_33700065	Ca_Kabuli_Chr01	NC_021160.1	33700065	AA	CC	CC	INTERGENIC		
SNP_3775B_33736069	Ca_Kabuli_Chr01	NC_021160.1	33736069	AA	GG	GG	INTERGENIC		
SNP_3776B_33749811	Ca_Kabuli_Chr01	NC_021160.1	33749811	GG	AA	AA	INTERGENIC		
SNP_3777B_33770181	Ca_Kabuli_Chr01	NC_021160.1	33770181	GG	AA	AA	INTERGENIC		
SNP_3779B_33780296	Ca_Kabuli_Chr01	NC_021160.1	33780296	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3781B_33782230	Ca_Kabuli_Chr01	NC_021160.1	33782230	GG	AA	AA	INTERGENIC		
SNP_3782B_33782240	Ca_Kabuli_Chr01	NC_021160.1	33782240	AA	GG	GG	INTERGENIC		
SNP_3783B_33782247	Ca_Kabuli_Chr01	NC_021160.1	33782247	GG	CC	CC	INTERGENIC		
SNP_3784B_33792104	Ca_Kabuli_Chr01	NC_021160.1	33792104	AA	GG	GG	INTERGENIC		
SNP_3785B_33802890	Ca_Kabuli_Chr01	NC_021160.1	33802890	GG	CC	CC	URR	101492368	F-box/kelch-repeat protein At3g06240-like
SNP_3786B_33803223	Ca_Kabuli_Chr01	NC_021160.1	33803223	GG	CC	CC	INTERGENIC		
SNP_3787B_33803252	Ca_Kabuli_Chr01	NC_021160.1	33803252	TT	CC	CC	INTERGENIC		
SNP_3788B_33803294	Ca_Kabuli_Chr01	NC_021160.1	33803294	GG	AA	AA	INTERGENIC		
SNP_3789B_33803416	Ca_Kabuli_Chr01	NC_021160.1	33803416	CC	TT	TT	INTERGENIC		
SNP_3790B_33826248	Ca_Kabuli_Chr01	NC_021160.1	33826248	TT	CC	CC	INTERGENIC		
SNP_3791B_33826683	Ca_Kabuli_Chr01	NC_021160.1	33826683	TT	CC	CC	INTERGENIC		
SNP_3792B_33826773	Ca_Kabuli_Chr01	NC_021160.1	33826773	TT	AA	AA	INTERGENIC		
SNP_3793B_33844768	Ca_Kabuli_Chr01	NC_021160.1	33844768	AA	GG	GG	INTERGENIC		
SNP_3794B_33844839	Ca_Kabuli_Chr01	NC_021160.1	33844839	TT	CC	CC	INTERGENIC		
SNP_3795B_33844879	Ca_Kabuli_Chr01	NC_021160.1	33844879	AA	GG	GG	INTERGENIC		
SNP_3796B_33844940	Ca_Kabuli_Chr01	NC_021160.1	33844940	AA	CC	CC	INTERGENIC		
SNP_3798B_33848304	Ca_Kabuli_Chr01	NC_021160.1	33848304	GG	AA	AA	DRR	101513737	uncharacterized LOC101513737
SNP_3799B_33854791	Ca_Kabuli_Chr01	NC_021160.1	33854791	GG	AA	AA	INTERGENIC		
SNP_3800B_33857243	Ca_Kabuli_Chr01	NC_021160.1	33857243	GG	AA	AA	INTERGENIC		
SNP_3801B_33863185	Ca_Kabuli_Chr01	NC_021160.1	33863185	TT	GG	GG	INTERGENIC		
SNP_3802B_33915951	Ca_Kabuli_Chr01	NC_021160.1	33915951	TT	CC	CC	INTERGENIC		
SNP_3803B_33915985	Ca_Kabuli_Chr01	NC_021160.1	33915985	AA	GG	GG	INTERGENIC		
SNP_3804B_33916181	Ca_Kabuli_Chr01	NC_021160.1	33916181	AA	GG	GG	INTERGENIC		
SNP_3805B_33916794	Ca_Kabuli_Chr01	NC_021160.1	33916794	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3806B_33923270	Ca_Kabuli_Chr01	NC_021160.1	33923270	TT	CC	CC	INTRON	101493360	uncharacterized LOC101493360
SNP_3807B_33934363	Ca_Kabuli_Chr01	NC_021160.1	33934363	TT	GG	GG	INTERGENIC		
SNP_3808B_33934369	Ca_Kabuli_Chr01	NC_021160.1	33934369	TT	CC	CC	INTERGENIC		
SNP_3809B_33971240	Ca_Kabuli_Chr01	NC_021160.1	33971240	AA	GG	GG	INTERGENIC		
SNP_3810B_34042922	Ca_Kabuli_Chr01	NC_021160.1	34042922	AA	GG	GG	INTERGENIC		
SNP_3811B_34043402	Ca_Kabuli_Chr01	NC_021160.1	34043402	CC	TT	TT	INTERGENIC		
SNP_3812B_34072534	Ca_Kabuli_Chr01	NC_021160.1	34072534	AA	TT	TT	INTERGENIC		
SNP_3813B_34127881	Ca_Kabuli_Chr01	NC_021160.1	34127881	CC	GG	GG	INTERGENIC		
SNP_3814B_34128012	Ca_Kabuli_Chr01	NC_021160.1	34128012	TT	CC	CC	INTERGENIC		
SNP_3815B_34128014	Ca_Kabuli_Chr01	NC_021160.1	34128014	TT	AA	AA	INTERGENIC		
SNP_3816B_34128121	Ca_Kabuli_Chr01	NC_021160.1	34128121	CC	TT	TT	INTERGENIC		
SNP_3817B_34128146	Ca_Kabuli_Chr01	NC_021160.1	34128146	TT	AA	AA	INTERGENIC		
SNP_3818B_34128161	Ca_Kabuli_Chr01	NC_021160.1	34128161	TT	AA	AA	INTERGENIC		
SNP_3819B_34128194	Ca_Kabuli_Chr01	NC_021160.1	34128194	TT	AA	AA	INTERGENIC		
SNP_3820B_34128206	Ca_Kabuli_Chr01	NC_021160.1	34128206	AA	GG	GG	INTERGENIC		
SNP_3821B_34128295	Ca_Kabuli_Chr01	NC_021160.1	34128295	CC	TT	TT	INTERGENIC		
SNP_3822B_34128390	Ca_Kabuli_Chr01	NC_021160.1	34128390	TT	CC	CC	INTERGENIC		
SNP_3823B_34129173	Ca_Kabuli_Chr01	NC_021160.1	34129173	AA	GG	GG	INTERGENIC		
SNP_3824B_34129408	Ca_Kabuli_Chr01	NC_021160.1	34129408	TT	AA	AA	INTERGENIC		
SNP_3825B_34129410	Ca_Kabuli_Chr01	NC_021160.1	34129410	GG	TT	TT	INTERGENIC		
SNP_3826B_34129497	Ca_Kabuli_Chr01	NC_021160.1	34129497	TT	GG	GG	INTERGENIC		
SNP_3827B_34129502	Ca_Kabuli_Chr01	NC_021160.1	34129502	AA	CC	CC	INTERGENIC		
SNP_3828B_34129531	Ca_Kabuli_Chr01	NC_021160.1	34129531	GG	AA	AA	INTERGENIC		
SNP_3829B_34134129	Ca_Kabuli_Chr01	NC_021160.1	34134129	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3830B_34136294	Ca_Kabuli_Chr01	NC_021160.1	34136294	GG	CC	CC	INTERGENIC		
SNP_3831B_34136299	Ca_Kabuli_Chr01	NC_021160.1	34136299	GG	AA	AA	INTERGENIC		
SNP_3832B_34139893	Ca_Kabuli_Chr01	NC_021160.1	34139893	CC	AA	AA	INTRON	101498882	cytochrome P450 714A1-like
SNP_3833B_34145416	Ca_Kabuli_Chr01	NC_021160.1	34145416	AA	GG	GG	INTERGENIC		
SNP_3834B_34145480	Ca_Kabuli_Chr01	NC_021160.1	34145480	CC	TT	TT	INTERGENIC		
SNP_3835B_34145482	Ca_Kabuli_Chr01	NC_021160.1	34145482	AA	GG	GG	INTERGENIC		
SNP_3836B_34146682	Ca_Kabuli_Chr01	NC_021160.1	34146682	AA	GG	GG	INTERGENIC		
SNP_3837B_34158702	Ca_Kabuli_Chr01	NC_021160.1	34158702	TT	CC	CC	INTERGENIC		
SNP_3838B_34158707	Ca_Kabuli_Chr01	NC_021160.1	34158707	GG	AA	AA	INTERGENIC		
SNP_3839B_34159991	Ca_Kabuli_Chr01	NC_021160.1	34159991	CC	TT	TT	INTERGENIC		
SNP_3841B_34164592	Ca_Kabuli_Chr01	NC_021160.1	34164592	CC	TT	TT	URR	101495597	E3 ubiquitin-protein ligase brl2-like
SNP_3843B_34179577	Ca_Kabuli_Chr01	NC_021160.1	34179577	AA	GG	GG	INTERGENIC		
SNP_3844B_34183262	Ca_Kabuli_Chr01	NC_021160.1	34183262	CC	TT	TT	INTERGENIC		
SNP_3845B_34183278	Ca_Kabuli_Chr01	NC_021160.1	34183278	CC	AA	AA	INTERGENIC		
SNP_3846B_34183297	Ca_Kabuli_Chr01	NC_021160.1	34183297	TT	CC	CC	INTERGENIC		
SNP_3847B_34183335	Ca_Kabuli_Chr01	NC_021160.1	34183335	GG	TT	TT	INTERGENIC		
SNP_3848B_34183343	Ca_Kabuli_Chr01	NC_021160.1	34183343	TT	CC	CC	INTERGENIC		
SNP_3849B_34195627	Ca_Kabuli_Chr01	NC_021160.1	34195627	GG	AA	AA	INTERGENIC		
SNP_3850B_34196632	Ca_Kabuli_Chr01	NC_021160.1	34196632	TT	CC	CC	INTERGENIC		
SNP_3851B_34200292	Ca_Kabuli_Chr01	NC_021160.1	34200292	CC	AA	AA	INTERGENIC		
SNP_3852B_34237366	Ca_Kabuli_Chr01	NC_021160.1	34237366	AA	GG	GG	DRR	101499523	uncharacterized LOC101499523
SNP_3853B_34243012	Ca_Kabuli_Chr01	NC_021160.1	34243012	CC	TT	TT	INTERGENIC		
SNP_3854B_34246158	Ca_Kabuli_Chr01	NC_021160.1	34246158	TT	CC	CC	INTERGENIC		
SNP_3855B_34250459	Ca_Kabuli_Chr01	NC_021160.1	34250459	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3857B_34251838	Ca_Kabuli_Chr01	NC_021160.1	34251838	GG	TT	TT	INTERGENIC		
SNP_3859B_34279486	Ca_Kabuli_Chr01	NC_021160.1	34279486	TT	CC	CC	URR	101496366	callose synthase 2-like
SNP_3860B_34288785	Ca_Kabuli_Chr01	NC_021160.1	34288785	AA	GG	GG	INTERGENIC		
SNP_3861B_34302483	Ca_Kabuli_Chr01	NC_021160.1	34302483	GG	AA	AA	INTRON	101497563	uncharacterized LOC101497563
SNP_3862B_34323127	Ca_Kabuli_Chr01	NC_021160.1	34323127	AA	TT	TT	INTRON	101500149	citrate synthase, mitochondrial
SNP_3863B_34328740	Ca_Kabuli_Chr01	NC_021160.1	34328740	AA	TT	TT	URR	101500149	citrate synthase, mitochondrial
SNP_3864B_34331716	Ca_Kabuli_Chr01	NC_021160.1	34331716	GG	TT	TT	INTERGENIC		
SNP_3866B_34342987	Ca_Kabuli_Chr01	NC_021160.1	34342987	CC	AA	AA	INTERGENIC		
SNP_3867B_34346496	Ca_Kabuli_Chr01	NC_021160.1	34346496	TT	GG	GG	INTERGENIC		
SNP_3868B_34361108	Ca_Kabuli_Chr01	NC_021160.1	34361108	AA	GG	GG	INTRON	101500473	keratin, type I cytoskeletal 10-like
SNP_3870B_34363823	Ca_Kabuli_Chr01	NC_021160.1	34363823	TT	AA	AA	INTRON	101500473	keratin, type I cytoskeletal 10-like
SNP_3871B_34367738	Ca_Kabuli_Chr01	NC_021160.1	34367738	TT	CC	CC	INTERGENIC		
SNP_3872B_34367742	Ca_Kabuli_Chr01	NC_021160.1	34367742	TT	GG	GG	INTERGENIC		
SNP_3873B_34370008	Ca_Kabuli_Chr01	NC_021160.1	34370008	CC	AA	AA	INTERGENIC		
SNP_3874B_34377574	Ca_Kabuli_Chr01	NC_021160.1	34377574	CC	TT	TT	INTERGENIC		
SNP_3875B_34384300	Ca_Kabuli_Chr01	NC_021160.1	34384300	CC	TT	TT	INTERGENIC		
SNP_3877B_34386957	Ca_Kabuli_Chr01	NC_021160.1	34386957	GG	TT	TT	INTERGENIC		
SNP_3878B_34403422	Ca_Kabuli_Chr01	NC_021160.1	34403422	AA	GG	GG	INTERGENIC		
SNP_3879B_34415174	Ca_Kabuli_Chr01	NC_021160.1	34415174	TT	CC	CC	INTERGENIC		
SNP_3880B_34426973	Ca_Kabuli_Chr01	NC_021160.1	34426973	GG	AA	AA	INTERGENIC		
SNP_3881B_34432247	Ca_Kabuli_Chr01	NC_021160.1	34432247	AA	GG	GG	DRR	101501110	putative pentatricopeptide repeat-containing protein At1g12700, mitochondrial
SNP_3883B_34479170	Ca_Kabuli_Chr01	NC_021160.1	34479170	CC	AA	AA	INTERGENIC		
SNP_3884B_34576577	Ca_Kabuli_Chr01	NC_021160.1	34576577	GG	AA	AA	URR	101507133	uncharacterized LOC101507133
SNP_3885B_34584992	Ca_Kabuli_Chr01	NC_021160.1	34584992	TT	CC	CC	URR	101507454	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3886B_34599657	Ca_Kabuli_Chr01	NC_021160.1	34599657	GG	AA	AA	INTERGENIC		
SNP_3887B_34624062	Ca_Kabuli_Chr01	NC_021160.1	34624062	AA	GG	GG	INTERGENIC		
SNP_3888B_34625562	Ca_Kabuli_Chr01	NC_021160.1	34625562	GG	CC	CC	INTERGENIC		
SNP_3889B_34634658	Ca_Kabuli_Chr01	NC_021160.1	34634658	GG	AA	AA	DRR	101507758	putative F-box protein At3g16210
SNP_3890B_34646152	Ca_Kabuli_Chr01	NC_021160.1	34646152	TT	GG	GG	INTERGENIC		
SNP_3891B_34653542	Ca_Kabuli_Chr01	NC_021160.1	34653542	TT	CC	CC	INTRON	101503010	cleavage stimulation factor subunit 50
SNP_3892B_34664729	Ca_Kabuli_Chr01	NC_021160.1	34664729	TT	CC	CC	INTERGENIC		
SNP_3893B_34675273	Ca_Kabuli_Chr01	NC_021160.1	34675273	GG	AA	AA	INTERGENIC		
SNP_3894B_34682778	Ca_Kabuli_Chr01	NC_021160.1	34682778	CC	GG	GG	INTERGENIC		
SNP_3895B_34691216	Ca_Kabuli_Chr01	NC_021160.1	34691216	AA	GG	GG	INTERGENIC		
SNP_3896B_34691592	Ca_Kabuli_Chr01	NC_021160.1	34691592	TT	GG	GG	INTERGENIC		
SNP_3897B_34691598	Ca_Kabuli_Chr01	NC_021160.1	34691598	TT	CC	CC	INTERGENIC		
SNP_3898B_34710100	Ca_Kabuli_Chr01	NC_021160.1	34710100	CC	TT	TT	INTERGENIC		
SNP_3899B_34731177	Ca_Kabuli_Chr01	NC_021160.1	34731177	AA	GG	GG	URR	101503336	serine/arginine repetitive matrix protein 2-like
SNP_3900B_34747286	Ca_Kabuli_Chr01	NC_021160.1	34747286	TT	CC	CC	DRR	101503892	uncharacterized LOC101503892
SNP_3901B_34757966	Ca_Kabuli_Chr01	NC_021160.1	34757966	CC	AA	AA	INTERGENIC		
SNP_3903B_34768514	Ca_Kabuli_Chr01	NC_021160.1	34768514	AA	CC	CC	INTERGENIC		
SNP_3907B_34865652	Ca_Kabuli_Chr01	NC_021160.1	34865652	AA	GG	GG	DRR	101504548	uncharacterized LOC101504548
SNP_3909B_34879215	Ca_Kabuli_Chr01	NC_021160.1	34879215	AA	CC	CC	INTERGENIC		
SNP_3910B_34908640	Ca_Kabuli_Chr01	NC_021160.1	34908640	AA	TT	TT	INTRON	101504861	uncharacterized LOC101504861
SNP_3912B_34921142	Ca_Kabuli_Chr01	NC_021160.1	34921142	AA	CC	CC	INTERGENIC		
SNP_3913B_34951368	Ca_Kabuli_Chr01	NC_021160.1	34951368	CC	TT	TT	URR	101505383	proteasome subunit alpha type-6
SNP_3914B_34957116	Ca_Kabuli_Chr01	NC_021160.1	34957116	CC	TT	TT	INTERGENIC		
SNP_3916B_34971488	Ca_Kabuli_Chr01	NC_021160.1	34971488	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3917B_34988990	Ca_Kabuli_Chr01	NC_021160.1	34988990	TT	CC	CC	INTERGENIC		
SNP_3918B_34989029	Ca_Kabuli_Chr01	NC_021160.1	34989029	GG	AA	AA	INTERGENIC		
SNP_3919B_34989034	Ca_Kabuli_Chr01	NC_021160.1	34989034	CC	TT	TT	INTERGENIC		
SNP_3920B_34989057	Ca_Kabuli_Chr01	NC_021160.1	34989057	TT	CC	CC	INTERGENIC		
SNP_3921B_34989064	Ca_Kabuli_Chr01	NC_021160.1	34989064	AA	GG	GG	INTERGENIC		
SNP_3922B_34989079	Ca_Kabuli_Chr01	NC_021160.1	34989079	AA	CC	CC	INTERGENIC		
SNP_3923B_34989095	Ca_Kabuli_Chr01	NC_021160.1	34989095	TT	CC	CC	INTERGENIC		
SNP_3924B_34989128	Ca_Kabuli_Chr01	NC_021160.1	34989128	GG	AA	AA	INTERGENIC		
SNP_3925B_34991825	Ca_Kabuli_Chr01	NC_021160.1	34991825	CC	TT	TT	INTERGENIC		
SNP_3926B_34996650	Ca_Kabuli_Chr01	NC_021160.1	34996650	AA	GG	GG	INTERGENIC		
SNP_3927B_34996667	Ca_Kabuli_Chr01	NC_021160.1	34996667	AA	GG	GG	INTERGENIC		
SNP_3928B_34996970	Ca_Kabuli_Chr01	NC_021160.1	34996970	GG	TT	TT	INTERGENIC		
SNP_3929B_34997012	Ca_Kabuli_Chr01	NC_021160.1	34997012	CC	TT	TT	INTERGENIC		
SNP_3930B_34997060	Ca_Kabuli_Chr01	NC_021160.1	34997060	GG	AA	AA	INTERGENIC		
SNP_3931B_34997070	Ca_Kabuli_Chr01	NC_021160.1	34997070	GG	AA	AA	INTERGENIC		
SNP_3932B_34998131	Ca_Kabuli_Chr01	NC_021160.1	34998131	GG	AA	AA	INTERGENIC		
SNP_3933B_35000035	Ca_Kabuli_Chr01	NC_021160.1	35000035	GG	AA	AA	INTERGENIC		
SNP_3934B_35003812	Ca_Kabuli_Chr01	NC_021160.1	35003812	CC	TT	TT	INTERGENIC		
SNP_3935B_35007373	Ca_Kabuli_Chr01	NC_021160.1	35007373	TT	AA	AA	INTERGENIC		
SNP_3936B_35007713	Ca_Kabuli_Chr01	NC_021160.1	35007713	GG	TT	TT	INTERGENIC		
SNP_3937B_35011571	Ca_Kabuli_Chr01	NC_021160.1	35011571	TT	AA	AA	INTERGENIC		
SNP_3938B_35038844	Ca_Kabuli_Chr01	NC_021160.1	35038844	TT	AA	AA	INTRON	101506470	uncharacterized LOC101506470
SNP_3940B_35068581	Ca_Kabuli_Chr01	NC_021160.1	35068581	TT	CC	CC	INTERGENIC		
SNP_3941B_35072158	Ca_Kabuli_Chr01	NC_021160.1	35072158	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3943B_35075531	Ca_Kabuli_Chr01	NC_021160.1	35075531	AA	TT	TT	INTERGENIC		
SNP_3944B_35077260	Ca_Kabuli_Chr01	NC_021160.1	35077260	AA	GG	GG	INTERGENIC		
SNP_3945B_35078734	Ca_Kabuli_Chr01	NC_021160.1	35078734	AA	CC	CC	INTERGENIC		
SNP_3946B_35078768	Ca_Kabuli_Chr01	NC_021160.1	35078768	CC	AA	AA	INTERGENIC		
SNP_3947B_35084600	Ca_Kabuli_Chr01	NC_021160.1	35084600	GG	AA	AA	INTERGENIC		
SNP_3948B_35100894	Ca_Kabuli_Chr01	NC_021160.1	35100894	GG	AA	AA	INTERGENIC		
SNP_3949B_35100895	Ca_Kabuli_Chr01	NC_021160.1	35100895	AA	TT	TT	INTERGENIC		
SNP_3950B_35108351	Ca_Kabuli_Chr01	NC_021160.1	35108351	GG	CC	CC	INTERGENIC		
SNP_3951B_35111608	Ca_Kabuli_Chr01	NC_021160.1	35111608	TT	AA	AA	DRR	101506796	homeobox-leucine zipper protein HOX11-like
SNP_3952B_35111629	Ca_Kabuli_Chr01	NC_021160.1	35111629	CC	TT	TT	DRR	101506796	homeobox-leucine zipper protein HOX11-like
SNP_3953B_35111644	Ca_Kabuli_Chr01	NC_021160.1	35111644	AA	GG	GG	DRR	101506796	homeobox-leucine zipper protein HOX11-like
SNP_3954B_35125701	Ca_Kabuli_Chr01	NC_021160.1	35125701	GG	TT	TT	INTERGENIC		
SNP_3955B_35135772	Ca_Kabuli_Chr01	NC_021160.1	35135772	CC	TT	TT	INTERGENIC		
SNP_3956B_35142562	Ca_Kabuli_Chr01	NC_021160.1	35142562	TT	CC	CC	INTERGENIC		
SNP_3957B_35142569	Ca_Kabuli_Chr01	NC_021160.1	35142569	TT	AA	AA	INTERGENIC		
SNP_3958B_35142581	Ca_Kabuli_Chr01	NC_021160.1	35142581	AA	CC	CC	INTERGENIC		
SNP_3959B_35142587	Ca_Kabuli_Chr01	NC_021160.1	35142587	CC	TT	TT	INTERGENIC		
SNP_3960B_35149339	Ca_Kabuli_Chr01	NC_021160.1	35149339	TT	AA	AA	INTERGENIC		
SNP_3961B_35154541	Ca_Kabuli_Chr01	NC_021160.1	35154541	AA	GG	GG	INTERGENIC		
SNP_3962B_35158393	Ca_Kabuli_Chr01	NC_021160.1	35158393	AA	GG	GG	INTERGENIC		
SNP_3963B_35158409	Ca_Kabuli_Chr01	NC_021160.1	35158409	CC	TT	TT	INTERGENIC		
SNP_3964B_35158413	Ca_Kabuli_Chr01	NC_021160.1	35158413	TT	CC	CC	INTERGENIC		
SNP_3965B_35158449	Ca_Kabuli_Chr01	NC_021160.1	35158449	GG	AA	AA	INTERGENIC		
SNP_3966B_35171451	Ca_Kabuli_Chr01	NC_021160.1	35171451	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3967B_35183921	Ca_Kabuli_Chr01	NC_021160.1	35183921	TT	CC	CC	INTERGENIC		
SNP_3968B_35183973	Ca_Kabuli_Chr01	NC_021160.1	35183973	CC	TT	TT	INTERGENIC		
SNP_3969B_35184256	Ca_Kabuli_Chr01	NC_021160.1	35184256	TT	CC	CC	INTERGENIC		
SNP_3970B_35184258	Ca_Kabuli_Chr01	NC_021160.1	35184258	GG	TT	TT	INTERGENIC		
SNP_3971B_35184514	Ca_Kabuli_Chr01	NC_021160.1	35184514	CC	TT	TT	INTERGENIC		
SNP_3972B_35184558	Ca_Kabuli_Chr01	NC_021160.1	35184558	TT	CC	CC	INTERGENIC		
SNP_3973B_35185844	Ca_Kabuli_Chr01	NC_021160.1	35185844	AA	GG	GG	INTERGENIC		
SNP_3974B_35215595	Ca_Kabuli_Chr01	NC_021160.1	35215595	AA	GG	GG	INTERGENIC		
SNP_3975B_35215596	Ca_Kabuli_Chr01	NC_021160.1	35215596	GG	TT	TT	INTERGENIC		
SNP_3976B_35216106	Ca_Kabuli_Chr01	NC_021160.1	35216106	GG	AA	AA	INTERGENIC		
SNP_3977B_35223251	Ca_Kabuli_Chr01	NC_021160.1	35223251	GG	AA	AA	INTERGENIC		
SNP_3978B_35223304	Ca_Kabuli_Chr01	NC_021160.1	35223304	CC	GG	GG	INTERGENIC		
SNP_3979B_35223322	Ca_Kabuli_Chr01	NC_021160.1	35223322	TT	CC	CC	INTERGENIC		
SNP_3980B_35225122	Ca_Kabuli_Chr01	NC_021160.1	35225122	CC	GG	GG	INTERGENIC		
SNP_3981B_35227532	Ca_Kabuli_Chr01	NC_021160.1	35227532	GG	AA	AA	INTERGENIC		
SNP_3982B_35232895	Ca_Kabuli_Chr01	NC_021160.1	35232895	AA	TT	TT	INTERGENIC		
SNP_3983B_35232933	Ca_Kabuli_Chr01	NC_021160.1	35232933	CC	GG	GG	INTERGENIC		
SNP_3984B_35233067	Ca_Kabuli_Chr01	NC_021160.1	35233067	AA	GG	GG	INTERGENIC		
SNP_3985B_35233115	Ca_Kabuli_Chr01	NC_021160.1	35233115	TT	AA	AA	INTERGENIC		
SNP_3986B_35238890	Ca_Kabuli_Chr01	NC_021160.1	35238890	GG	TT	TT	INTERGENIC		
SNP_3987B_35239303	Ca_Kabuli_Chr01	NC_021160.1	35239303	TT	CC	CC	INTERGENIC		
SNP_3988B_35239360	Ca_Kabuli_Chr01	NC_021160.1	35239360	GG	CC	CC	INTERGENIC		
SNP_3989B_35240077	Ca_Kabuli_Chr01	NC_021160.1	35240077	GG	AA	AA	INTERGENIC		
SNP_3990B_35240104	Ca_Kabuli_Chr01	NC_021160.1	35240104	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_3991B_35240142	Ca_Kabuli_Chr01	NC_021160.1	35240142	GG	AA	AA	INTERGENIC		
SNP_3992B_35240162	Ca_Kabuli_Chr01	NC_021160.1	35240162	AA	GG	GG	INTERGENIC		
SNP_3993B_35240163	Ca_Kabuli_Chr01	NC_021160.1	35240163	TT	CC	CC	INTERGENIC		
SNP_3995B_35240315	Ca_Kabuli_Chr01	NC_021160.1	35240315	GG	AA	AA	INTERGENIC		
SNP_3996B_35240330	Ca_Kabuli_Chr01	NC_021160.1	35240330	TT	GG	GG	INTERGENIC		
SNP_3997B_35240383	Ca_Kabuli_Chr01	NC_021160.1	35240383	AA	GG	GG	DRR	101511709	cytochrome P450 714A2-like
SNP_3998B_35240424	Ca_Kabuli_Chr01	NC_021160.1	35240424	AA	TT	TT	DRR	101511709	cytochrome P450 714A2-like
SNP_3999B_35240455	Ca_Kabuli_Chr01	NC_021160.1	35240455	GG	TT	TT	DRR	101511709	cytochrome P450 714A2-like
SNP_4000B_35240470	Ca_Kabuli_Chr01	NC_021160.1	35240470	GG	AA	AA	DRR	101511709	cytochrome P450 714A2-like
SNP_4001B_35240543	Ca_Kabuli_Chr01	NC_021160.1	35240543	CC	TT	TT	DRR	101511709	cytochrome P450 714A2-like
SNP_4002B_35240562	Ca_Kabuli_Chr01	NC_021160.1	35240562	AA	CC	CC	DRR	101511709	cytochrome P450 714A2-like
SNP_4003B_35240603	Ca_Kabuli_Chr01	NC_021160.1	35240603	AA	CC	CC	DRR	101511709	cytochrome P450 714A2-like
SNP_4004B_35242978	Ca_Kabuli_Chr01	NC_021160.1	35242978	AA	CC	CC	URR	101511709	cytochrome P450 714A2-like
SNP_4005B_35243736	Ca_Kabuli_Chr01	NC_021160.1	35243736	TT	AA	AA	URR	101511709	cytochrome P450 714A2-like
SNP_4006B_35243773	Ca_Kabuli_Chr01	NC_021160.1	35243773	GG	TT	TT	URR	101511709	cytochrome P450 714A2-like
SNP_4007B_35243804	Ca_Kabuli_Chr01	NC_021160.1	35243804	CC	AA	AA	URR	101511709	cytochrome P450 714A2-like
SNP_4008B_35252264	Ca_Kabuli_Chr01	NC_021160.1	35252264	CC	AA	AA	INTERGENIC		
SNP_4009B_35252272	Ca_Kabuli_Chr01	NC_021160.1	35252272	TT	GG	GG	INTERGENIC		
SNP_4010B_35252552	Ca_Kabuli_Chr01	NC_021160.1	35252552	GG	AA	AA	INTERGENIC		
SNP_4011B_35259781	Ca_Kabuli_Chr01	NC_021160.1	35259781	AA	GG	GG	INTERGENIC		
SNP_4012B_35260430	Ca_Kabuli_Chr01	NC_021160.1	35260430	CC	AA	AA	INTERGENIC		
SNP_4014B_35260510	Ca_Kabuli_Chr01	NC_021160.1	35260510	AA	CC	CC	INTERGENIC		
SNP_4015B_35260627	Ca_Kabuli_Chr01	NC_021160.1	35260627	TT	CC	CC	INTERGENIC		
SNP_4016B_35260785	Ca_Kabuli_Chr01	NC_021160.1	35260785	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_4017B_35260808	Ca_Kabuli_Chr01	NC_021160.1	35260808	GG	AA	AA	INTERGENIC		
SNP_4018B_35260848	Ca_Kabuli_Chr01	NC_021160.1	35260848	AA	GG	GG	INTERGENIC		
SNP_4019B_35260922	Ca_Kabuli_Chr01	NC_021160.1	35260922	TT	CC	CC	INTERGENIC		
SNP_4020B_35261030	Ca_Kabuli_Chr01	NC_021160.1	35261030	TT	GG	GG	INTERGENIC		
SNP_4021B_35261045	Ca_Kabuli_Chr01	NC_021160.1	35261045	GG	TT	TT	INTERGENIC		
SNP_4022B_35261112	Ca_Kabuli_Chr01	NC_021160.1	35261112	GG	AA	AA	INTERGENIC		
SNP_4023B_35261240	Ca_Kabuli_Chr01	NC_021160.1	35261240	CC	TT	TT	INTERGENIC		
SNP_4024B_35261245	Ca_Kabuli_Chr01	NC_021160.1	35261245	AA	GG	GG	INTERGENIC		
SNP_4025B_35261272	Ca_Kabuli_Chr01	NC_021160.1	35261272	GG	AA	AA	INTERGENIC		
SNP_4026B_35261327	Ca_Kabuli_Chr01	NC_021160.1	35261327	AA	GG	GG	INTERGENIC		
SNP_4027B_35261349	Ca_Kabuli_Chr01	NC_021160.1	35261349	AA	TT	TT	INTERGENIC		
SNP_4028B_35261403	Ca_Kabuli_Chr01	NC_021160.1	35261403	TT	AA	AA	INTERGENIC		
SNP_4029B_35261404	Ca_Kabuli_Chr01	NC_021160.1	35261404	TT	AA	AA	INTERGENIC		
SNP_4030B_35261406	Ca_Kabuli_Chr01	NC_021160.1	35261406	TT	AA	AA	INTERGENIC		
SNP_4031B_35261407	Ca_Kabuli_Chr01	NC_021160.1	35261407	CC	TT	TT	INTERGENIC		
SNP_4032B_35261432	Ca_Kabuli_Chr01	NC_021160.1	35261432	CC	AA	AA	INTERGENIC		
SNP_4033B_35261484	Ca_Kabuli_Chr01	NC_021160.1	35261484	AA	TT	TT	INTERGENIC		
SNP_4034B_35261509	Ca_Kabuli_Chr01	NC_021160.1	35261509	TT	AA	AA	INTERGENIC		
SNP_4035B_35261560	Ca_Kabuli_Chr01	NC_021160.1	35261560	TT	CC	CC	INTERGENIC		
SNP_4036B_35261686	Ca_Kabuli_Chr01	NC_021160.1	35261686	GG	AA	AA	INTERGENIC		
SNP_4038B_35261858	Ca_Kabuli_Chr01	NC_021160.1	35261858	AA	CC	CC	INTERGENIC		
SNP_4039B_35261886	Ca_Kabuli_Chr01	NC_021160.1	35261886	AA	CC	CC	INTERGENIC		
SNP_4040B_35261890	Ca_Kabuli_Chr01	NC_021160.1	35261890	CC	GG	GG	INTERGENIC		
SNP_4041B_35261997	Ca_Kabuli_Chr01	NC_021160.1	35261997	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_4042B_35262071	Ca_Kabuli_Chr01	NC_021160.1	35262071	GG	AA	AA	INTERGENIC		
SNP_4043B_35262110	Ca_Kabuli_Chr01	NC_021160.1	35262110	TT	CC	CC	INTERGENIC		
SNP_4044B_35264078	Ca_Kabuli_Chr01	NC_021160.1	35264078	CC	TT	TT	INTERGENIC		
SNP_4045B_35264877	Ca_Kabuli_Chr01	NC_021160.1	35264877	AA	CC	CC	INTERGENIC		
SNP_4046B_35264922	Ca_Kabuli_Chr01	NC_021160.1	35264922	AA	GG	GG	INTERGENIC		
SNP_4047B_35264924	Ca_Kabuli_Chr01	NC_021160.1	35264924	TT	CC	CC	INTERGENIC		
SNP_4048B_35264960	Ca_Kabuli_Chr01	NC_021160.1	35264960	CC	TT	TT	INTERGENIC		
SNP_4049B_35264961	Ca_Kabuli_Chr01	NC_021160.1	35264961	CC	TT	TT	INTERGENIC		
SNP_4050B_35264982	Ca_Kabuli_Chr01	NC_021160.1	35264982	GG	AA	AA	INTERGENIC		
SNP_4051B_35265004	Ca_Kabuli_Chr01	NC_021160.1	35265004	GG	TT	TT	INTERGENIC		
SNP_4052B_35265008	Ca_Kabuli_Chr01	NC_021160.1	35265008	CC	AA	AA	INTERGENIC		
SNP_4053B_35265016	Ca_Kabuli_Chr01	NC_021160.1	35265016	AA	TT	TT	INTERGENIC		
SNP_4054B_35265046	Ca_Kabuli_Chr01	NC_021160.1	35265046	TT	CC	CC	INTERGENIC		
SNP_4055B_35265059	Ca_Kabuli_Chr01	NC_021160.1	35265059	GG	AA	AA	INTERGENIC		
SNP_4056B_35265150	Ca_Kabuli_Chr01	NC_021160.1	35265150	CC	TT	TT	INTERGENIC		
SNP_4057B_35265274	Ca_Kabuli_Chr01	NC_021160.1	35265274	CC	TT	TT	INTERGENIC		
SNP_4058B_35265303	Ca_Kabuli_Chr01	NC_021160.1	35265303	CC	GG	GG	INTERGENIC		
SNP_4059B_35265304	Ca_Kabuli_Chr01	NC_021160.1	35265304	GG	AA	AA	INTERGENIC		
SNP_4060B_35265374	Ca_Kabuli_Chr01	NC_021160.1	35265374	GG	AA	AA	INTERGENIC		
SNP_4061B_35265433	Ca_Kabuli_Chr01	NC_021160.1	35265433	CC	TT	TT	INTERGENIC		
SNP_4062B_35265449	Ca_Kabuli_Chr01	NC_021160.1	35265449	CC	GG	GG	INTERGENIC		
SNP_4063B_35265467	Ca_Kabuli_Chr01	NC_021160.1	35265467	CC	TT	TT	INTERGENIC		
SNP_4065B_35265540	Ca_Kabuli_Chr01	NC_021160.1	35265540	AA	CC	CC	INTERGENIC		
SNP_4066B_35265545	Ca_Kabuli_Chr01	NC_021160.1	35265545	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_4067B_35265724	Ca_Kabuli_Chr01	NC_021160.1	35265724	GG	AA	AA	INTERGENIC		
SNP_4068B_35265852	Ca_Kabuli_Chr01	NC_021160.1	35265852	TT	GG	GG	INTERGENIC		
SNP_4069B_35265887	Ca_Kabuli_Chr01	NC_021160.1	35265887	AA	TT	TT	INTERGENIC		
SNP_4070B_35265916	Ca_Kabuli_Chr01	NC_021160.1	35265916	TT	CC	CC	INTERGENIC		
SNP_4071B_35266005	Ca_Kabuli_Chr01	NC_021160.1	35266005	CC	GG	GG	INTERGENIC		
SNP_4072B_35266006	Ca_Kabuli_Chr01	NC_021160.1	35266006	AA	GG	GG	INTERGENIC		
SNP_4073B_35266060	Ca_Kabuli_Chr01	NC_021160.1	35266060	AA	TT	TT	INTERGENIC		
SNP_4074B_35266088	Ca_Kabuli_Chr01	NC_021160.1	35266088	CC	TT	TT	INTERGENIC		
SNP_4075B_35272700	Ca_Kabuli_Chr01	NC_021160.1	35272700	AA	GG	GG	INTERGENIC		
SNP_4076B_35281147	Ca_Kabuli_Chr01	NC_021160.1	35281147	GG	CC	CC	INTRON	101512027	cytochrome P450 714A2-like
SNP_4077B_35281262	Ca_Kabuli_Chr01	NC_021160.1	35281262	CC	TT	TT	INTRON	101512027	cytochrome P450 714A2-like
SNP_4078B_35281288	Ca_Kabuli_Chr01	NC_021160.1	35281288	CC	TT	TT	INTRON	101512027	cytochrome P450 714A2-like
SNP_4079B_35281315	Ca_Kabuli_Chr01	NC_021160.1	35281315	GG	AA	AA	INTRON	101512027	cytochrome P450 714A2-like
SNP_4080B_35281322	Ca_Kabuli_Chr01	NC_021160.1	35281322	CC	GG	GG	INTRON	101512027	cytochrome P450 714A2-like
SNP_4081B_35281425	Ca_Kabuli_Chr01	NC_021160.1	35281425	AA	TT	TT	INTRON	101512027	cytochrome P450 714A2-like
SNP_4082B_35281431	Ca_Kabuli_Chr01	NC_021160.1	35281431	TT	AA	AA	INTRON	101512027	cytochrome P450 714A2-like
SNP_4084B_35281461	Ca_Kabuli_Chr01	NC_021160.1	35281461	AA	GG	GG	INTRON	101512027	cytochrome P450 714A2-like
SNP_4085B_35281532	Ca_Kabuli_Chr01	NC_021160.1	35281532	AA	CC	CC	INTRON	101512027	cytochrome P450 714A2-like
SNP_4087B_35281605	Ca_Kabuli_Chr01	NC_021160.1	35281605	AA	GG	GG	INTRON	101512027	cytochrome P450 714A2-like
SNP_4088B_35281766	Ca_Kabuli_Chr01	NC_021160.1	35281766	GG	AA	AA	INTRON	101512027	cytochrome P450 714A2-like
SNP_4089B_35281770	Ca_Kabuli_Chr01	NC_021160.1	35281770	CC	TT	TT	INTRON	101512027	cytochrome P450 714A2-like
SNP_4090B_35281863	Ca_Kabuli_Chr01	NC_021160.1	35281863	CC	AA	AA	INTRON	101512027	cytochrome P450 714A2-like
SNP_4091B_35281869	Ca_Kabuli_Chr01	NC_021160.1	35281869	AA	GG	GG	INTRON	101512027	cytochrome P450 714A2-like
SNP_4092B_35281873	Ca_Kabuli_Chr01	NC_021160.1	35281873	AA	TT	TT	INTRON	101512027	cytochrome P450 714A2-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_4094B_35281954	Ca_Kabuli_Chr01	NC_021160.1	35281954	TT	AA	AA	INTRON	101512027	cytochrome P450 714A2-like
SNP_4095B_35281965	Ca_Kabuli_Chr01	NC_021160.1	35281965	AA	CC	CC	INTRON	101512027	cytochrome P450 714A2-like
SNP_4096B_35282203	Ca_Kabuli_Chr01	NC_021160.1	35282203	GG	AA	AA	INTRON	101512027	cytochrome P450 714A2-like
SNP_4097B_35282302	Ca_Kabuli_Chr01	NC_021160.1	35282302	TT	CC	CC	INTRON	101512027	cytochrome P450 714A2-like
SNP_4098B_35282339	Ca_Kabuli_Chr01	NC_021160.1	35282339	TT	CC	CC	INTRON	101512027	cytochrome P450 714A2-like
SNP_4099B_35282348	Ca_Kabuli_Chr01	NC_021160.1	35282348	CC	TT	TT	INTRON	101512027	cytochrome P450 714A2-like
SNP_4100B_35282360	Ca_Kabuli_Chr01	NC_021160.1	35282360	AA	TT	TT	INTRON	101512027	cytochrome P450 714A2-like
SNP_4101B_35282481	Ca_Kabuli_Chr01	NC_021160.1	35282481	TT	CC	CC	SYNONYMOUS_CODING	101512027	cytochrome P450 714A2-like
SNP_4102B_35282657	Ca_Kabuli_Chr01	NC_021160.1	35282657	GG	CC	CC	NON_SYNONYMOUS_CODING	101512027	cytochrome P450 714A2-like
SNP_4103B_35282714	Ca_Kabuli_Chr01	NC_021160.1	35282714	CC	TT	TT	URR	101512027	cytochrome P450 714A2-like
SNP_4104B_35282732	Ca_Kabuli_Chr01	NC_021160.1	35282732	GG	AA	AA	URR	101512027	cytochrome P450 714A2-like
SNP_4105B_35283061	Ca_Kabuli_Chr01	NC_021160.1	35283061	AA	TT	TT	URR	101512027	cytochrome P450 714A2-like
SNP_4106B_35283079	Ca_Kabuli_Chr01	NC_021160.1	35283079	TT	GG	GG	URR	101512027	cytochrome P450 714A2-like
SNP_4107B_35283259	Ca_Kabuli_Chr01	NC_021160.1	35283259	AA	GG	GG	URR	101512027	cytochrome P450 714A2-like
SNP_4108B_35283309	Ca_Kabuli_Chr01	NC_021160.1	35283309	AA	GG	GG	URR	101512027	cytochrome P450 714A2-like
SNP_4109B_35283338	Ca_Kabuli_Chr01	NC_021160.1	35283338	GG	TT	TT	URR	101512027	cytochrome P450 714A2-like
SNP_4110B_35283409	Ca_Kabuli_Chr01	NC_021160.1	35283409	AA	GG	GG	URR	101512027	cytochrome P450 714A2-like
SNP_4111B_35283430	Ca_Kabuli_Chr01	NC_021160.1	35283430	CC	GG	GG	URR	101512027	cytochrome P450 714A2-like
SNP_4112B_35283521	Ca_Kabuli_Chr01	NC_021160.1	35283521	GG	TT	TT	URR	101512027	cytochrome P450 714A2-like
SNP_4113B_35283676	Ca_Kabuli_Chr01	NC_021160.1	35283676	AA	TT	TT	URR	101512027	cytochrome P450 714A2-like
SNP_4114B_35283677	Ca_Kabuli_Chr01	NC_021160.1	35283677	AA	CC	CC	URR	101512027	cytochrome P450 714A2-like
SNP_4115B_35283706	Ca_Kabuli_Chr01	NC_021160.1	35283706	TT	AA	AA	URR	101512027	cytochrome P450 714A2-like
SNP_4116B_35283729	Ca_Kabuli_Chr01	NC_021160.1	35283729	AA	CC	CC	URR	101512027	cytochrome P450 714A2-like
SNP_4118B_35283879	Ca_Kabuli_Chr01	NC_021160.1	35283879	TT	GG	GG	URR	101512027	cytochrome P450 714A2-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_4120B_35284024	Ca_Kabuli_Chr01	NC_021160.1	35284024	CC	TT	TT	URR	101512027	cytochrome P450 714A2-like
SNP_4121B_35284065	Ca_Kabuli_Chr01	NC_021160.1	35284065	CC	TT	TT	URR	101512027	cytochrome P450 714A2-like
SNP_4122B_35284182	Ca_Kabuli_Chr01	NC_021160.1	35284182	TT	AA	AA	URR	101512027	cytochrome P450 714A2-like
SNP_4124B_35284347	Ca_Kabuli_Chr01	NC_021160.1	35284347	AA	TT	TT	URR	101512027	cytochrome P450 714A2-like
SNP_4125B_35284364	Ca_Kabuli_Chr01	NC_021160.1	35284364	TT	AA	AA	URR	101512027	cytochrome P450 714A2-like
SNP_4126B_35284377	Ca_Kabuli_Chr01	NC_021160.1	35284377	TT	AA	AA	URR	101512027	cytochrome P450 714A2-like
SNP_4127B_35284393	Ca_Kabuli_Chr01	NC_021160.1	35284393	GG	TT	TT	URR	101512027	cytochrome P450 714A2-like
SNP_4128B_35284469	Ca_Kabuli_Chr01	NC_021160.1	35284469	GG	TT	TT	URR	101512027	cytochrome P450 714A2-like
SNP_4129B_35284485	Ca_Kabuli_Chr01	NC_021160.1	35284485	GG	AA	AA	URR	101512027	cytochrome P450 714A2-like
SNP_4130B_35284553	Ca_Kabuli_Chr01	NC_021160.1	35284553	GG	AA	AA	URR	101512027	cytochrome P450 714A2-like
SNP_4131B_35284628	Ca_Kabuli_Chr01	NC_021160.1	35284628	AA	CC	CC	URR	101512027	cytochrome P450 714A2-like
SNP_4132B_35284680	Ca_Kabuli_Chr01	NC_021160.1	35284680	AA	GG	GG	URR	101512027	cytochrome P450 714A2-like
SNP_4134B_35284918	Ca_Kabuli_Chr01	NC_021160.1	35284918	GG	TT	TT	INTERGENIC		
SNP_4135B_35285596	Ca_Kabuli_Chr01	NC_021160.1	35285596	CC	TT	TT	INTERGENIC		
SNP_4137B_35285680	Ca_Kabuli_Chr01	NC_021160.1	35285680	TT	CC	CC	INTERGENIC		
SNP_4138B_35286044	Ca_Kabuli_Chr01	NC_021160.1	35286044	GG	AA	AA	INTERGENIC		
SNP_4139B_35287872	Ca_Kabuli_Chr01	NC_021160.1	35287872	CC	TT	TT	INTERGENIC		
SNP_4140B_35288000	Ca_Kabuli_Chr01	NC_021160.1	35288000	CC	TT	TT	INTERGENIC		
SNP_4141B_35288018	Ca_Kabuli_Chr01	NC_021160.1	35288018	GG	AA	AA	INTERGENIC		
SNP_4142B_35288438	Ca_Kabuli_Chr01	NC_021160.1	35288438	AA	GG	GG	DRR	101512351	Unknown function
SNP_4143B_35289295	Ca_Kabuli_Chr01	NC_021160.1	35289295	TT	CC	CC	SYNONYMOUS_CODING	101512351	Unknown function
SNP_4144B_35290342	Ca_Kabuli_Chr01	NC_021160.1	35290342	AA	GG	GG	INTRON	101512351	Unknown function
SNP_4145B_35290632	Ca_Kabuli_Chr01	NC_021160.1	35290632	AA	GG	GG	INTRON	101512351	Unknown function
SNP_4146B_35290673	Ca_Kabuli_Chr01	NC_021160.1	35290673	AA	TT	TT	INTRON	101512351	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_4148B_35290944	Ca_Kabuli_Chr01	NC_021160.1	35290944	TT	CC	CC	INTRON	101512351	Unknown function
SNP_4149B_35292034	Ca_Kabuli_Chr01	NC_021160.1	35292034	GG	AA	AA	INTRON	101512351	Unknown function
SNP_4150B_35292700	Ca_Kabuli_Chr01	NC_021160.1	35292700	AA	GG	GG	INTRON	101512351	Unknown function
SNP_4151B_35292880	Ca_Kabuli_Chr01	NC_021160.1	35292880	AA	TT	TT	INTRON	101512351	Unknown function
SNP_4152B_35293027	Ca_Kabuli_Chr01	NC_021160.1	35293027	AA	GG	GG	INTRON	101512351	Unknown function
SNP_4153B_35293516	Ca_Kabuli_Chr01	NC_021160.1	35293516	TT	CC	CC	INTRON	101512351	Unknown function
SNP_4154B_35295662	Ca_Kabuli_Chr01	NC_021160.1	35295662	CC	GG	GG	INTRON	101512351	Unknown function
SNP_4155B_35296358	Ca_Kabuli_Chr01	NC_021160.1	35296358	CC	TT	TT	NON_SYNONYMOUS_CODING	101512351	Unknown function
SNP_4156B_35296365	Ca_Kabuli_Chr01	NC_021160.1	35296365	GG	CC	CC	NON_SYNONYMOUS_CODING	101512351	Unknown function
SNP_4157B_35296683	Ca_Kabuli_Chr01	NC_021160.1	35296683	TT	CC	CC	SYNONYMOUS_CODING	101512351	Unknown function
SNP_4158B_35305259	Ca_Kabuli_Chr01	NC_021160.1	35305259	CC	TT	TT	INTERGENIC		
SNP_4159B_35310329	Ca_Kabuli_Chr01	NC_021160.1	35310329	TT	GG	GG	INTERGENIC		
SNP_4160B_35310332	Ca_Kabuli_Chr01	NC_021160.1	35310332	TT	AA	AA	INTERGENIC		
SNP_4161B_35310363	Ca_Kabuli_Chr01	NC_021160.1	35310363	AA	TT	TT	INTERGENIC		
SNP_4162B_35310388	Ca_Kabuli_Chr01	NC_021160.1	35310388	AA	TT	TT	INTERGENIC		
SNP_4163B_35310549	Ca_Kabuli_Chr01	NC_021160.1	35310549	CC	GG	GG	INTERGENIC		
SNP_4164B_35310561	Ca_Kabuli_Chr01	NC_021160.1	35310561	CC	TT	TT	INTERGENIC		
SNP_4165B_35310583	Ca_Kabuli_Chr01	NC_021160.1	35310583	TT	GG	GG	INTERGENIC		
SNP_4166B_35310603	Ca_Kabuli_Chr01	NC_021160.1	35310603	AA	GG	GG	INTERGENIC		
SNP_4167B_35310607	Ca_Kabuli_Chr01	NC_021160.1	35310607	TT	CC	CC	INTERGENIC		
SNP_4168B_35310692	Ca_Kabuli_Chr01	NC_021160.1	35310692	TT	AA	AA	INTERGENIC		
SNP_4169B_35310726	Ca_Kabuli_Chr01	NC_021160.1	35310726	GG	AA	AA	INTERGENIC		
SNP_4171B_35310767	Ca_Kabuli_Chr01	NC_021160.1	35310767	AA	TT	TT	INTERGENIC		
SNP_4172B_35310793	Ca_Kabuli_Chr01	NC_021160.1	35310793	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_4173B_35310825	Ca_Kabuli_Chr01	NC_021160.1	35310825	GG	AA	AA	INTERGENIC		
SNP_4175B_35310887	Ca_Kabuli_Chr01	NC_021160.1	35310887	AA	GG	GG	INTERGENIC		
SNP_4176B_35310944	Ca_Kabuli_Chr01	NC_021160.1	35310944	TT	GG	GG	INTERGENIC		
SNP_4177B_35310948	Ca_Kabuli_Chr01	NC_021160.1	35310948	AA	GG	GG	INTERGENIC		
SNP_4178B_35310991	Ca_Kabuli_Chr01	NC_021160.1	35310991	AA	GG	GG	INTERGENIC		
SNP_4179B_35311016	Ca_Kabuli_Chr01	NC_021160.1	35311016	CC	GG	GG	INTERGENIC		
SNP_4180B_35311017	Ca_Kabuli_Chr01	NC_021160.1	35311017	TT	CC	CC	INTERGENIC		
SNP_4181B_35311039	Ca_Kabuli_Chr01	NC_021160.1	35311039	CC	TT	TT	INTERGENIC		
SNP_4182B_35311057	Ca_Kabuli_Chr01	NC_021160.1	35311057	CC	GG	GG	INTERGENIC		
SNP_4183B_35311058	Ca_Kabuli_Chr01	NC_021160.1	35311058	CC	GG	GG	INTERGENIC		
SNP_4184B_35311085	Ca_Kabuli_Chr01	NC_021160.1	35311085	TT	CC	CC	INTERGENIC		
SNP_4185B_35311099	Ca_Kabuli_Chr01	NC_021160.1	35311099	AA	TT	TT	INTERGENIC		
SNP_4186B_35311114	Ca_Kabuli_Chr01	NC_021160.1	35311114	AA	CC	CC	INTERGENIC		
SNP_4187B_35311127	Ca_Kabuli_Chr01	NC_021160.1	35311127	CC	TT	TT	INTERGENIC		
SNP_4188B_35311154	Ca_Kabuli_Chr01	NC_021160.1	35311154	GG	AA	AA	INTERGENIC		
SNP_4189B_35311271	Ca_Kabuli_Chr01	NC_021160.1	35311271	CC	TT	TT	INTERGENIC		
SNP_4190B_35311277	Ca_Kabuli_Chr01	NC_021160.1	35311277	CC	TT	TT	INTERGENIC		
SNP_4191B_35311307	Ca_Kabuli_Chr01	NC_021160.1	35311307	GG	AA	AA	INTERGENIC		
SNP_4192B_35311644	Ca_Kabuli_Chr01	NC_021160.1	35311644	TT	GG	GG	INTERGENIC		
SNP_4193B_35311672	Ca_Kabuli_Chr01	NC_021160.1	35311672	GG	TT	TT	INTERGENIC		
SNP_4194B_35311681	Ca_Kabuli_Chr01	NC_021160.1	35311681	GG	AA	AA	INTERGENIC		
SNP_4195B_35311711	Ca_Kabuli_Chr01	NC_021160.1	35311711	TT	GG	GG	INTERGENIC		
SNP_4196B_35311712	Ca_Kabuli_Chr01	NC_021160.1	35311712	GG	AA	AA	INTERGENIC		
SNP_4197B_35311715	Ca_Kabuli_Chr01	NC_021160.1	35311715	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_4198B_35311758	Ca_Kabuli_Chr01	NC_021160.1	35311758	TT	CC	CC	INTERGENIC		
SNP_4199B_35312148	Ca_Kabuli_Chr01	NC_021160.1	35312148	GG	TT	TT	INTERGENIC		
SNP_4200B_35312154	Ca_Kabuli_Chr01	NC_021160.1	35312154	CC	AA	AA	INTERGENIC		
SNP_4201B_35316773	Ca_Kabuli_Chr01	NC_021160.1	35316773	AA	GG	GG	INTERGENIC		
SNP_4202B_35316851	Ca_Kabuli_Chr01	NC_021160.1	35316851	GG	AA	AA	INTERGENIC		
SNP_4203B_35316894	Ca_Kabuli_Chr01	NC_021160.1	35316894	GG	CC	CC	INTERGENIC		
SNP_4204B_35316899	Ca_Kabuli_Chr01	NC_021160.1	35316899	TT	CC	CC	INTERGENIC		
SNP_4205B_35316903	Ca_Kabuli_Chr01	NC_021160.1	35316903	TT	CC	CC	INTERGENIC		
SNP_4206B_35316904	Ca_Kabuli_Chr01	NC_021160.1	35316904	TT	GG	GG	INTERGENIC		
SNP_4207B_35316905	Ca_Kabuli_Chr01	NC_021160.1	35316905	GG	CC	CC	INTERGENIC		
SNP_4208B_35316931	Ca_Kabuli_Chr01	NC_021160.1	35316931	AA	CC	CC	INTERGENIC		
SNP_4209B_35316969	Ca_Kabuli_Chr01	NC_021160.1	35316969	TT	GG	GG	INTERGENIC		
SNP_4210B_35317003	Ca_Kabuli_Chr01	NC_021160.1	35317003	AA	GG	GG	INTERGENIC		
SNP_4211B_35317034	Ca_Kabuli_Chr01	NC_021160.1	35317034	CC	TT	TT	INTERGENIC		
SNP_4212B_35317036	Ca_Kabuli_Chr01	NC_021160.1	35317036	AA	GG	GG	INTERGENIC		
SNP_4213B_35317039	Ca_Kabuli_Chr01	NC_021160.1	35317039	CC	TT	TT	INTERGENIC		
SNP_4214B_35317049	Ca_Kabuli_Chr01	NC_021160.1	35317049	GG	AA	AA	INTERGENIC		
SNP_4215B_35317066	Ca_Kabuli_Chr01	NC_021160.1	35317066	TT	CC	CC	INTERGENIC		
SNP_4216B_35317067	Ca_Kabuli_Chr01	NC_021160.1	35317067	AA	TT	TT	INTERGENIC		
SNP_4217B_35317134	Ca_Kabuli_Chr01	NC_021160.1	35317134	TT	CC	CC	INTERGENIC		
SNP_4218B_35317277	Ca_Kabuli_Chr01	NC_021160.1	35317277	GG	AA	AA	INTERGENIC		
SNP_4219B_35332905	Ca_Kabuli_Chr01	NC_021160.1	35332905	CC	GG	GG	INTERGENIC		
SNP_4220B_35332928	Ca_Kabuli_Chr01	NC_021160.1	35332928	CC	TT	TT	INTERGENIC		
SNP_4221B_35336546	Ca_Kabuli_Chr01	NC_021160.1	35336546	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_4222B_35337042	Ca_Kabuli_Chr01	NC_021160.1	35337042	AA	GG	GG	INTERGENIC		
SNP_4224B_35337297	Ca_Kabuli_Chr01	NC_021160.1	35337297	TT	GG	GG	INTERGENIC		
SNP_4225B_35348594	Ca_Kabuli_Chr01	NC_021160.1	35348594	GG	AA	AA	INTERGENIC		
SNP_4226B_35348674	Ca_Kabuli_Chr01	NC_021160.1	35348674	CC	GG	GG	INTERGENIC		
SNP_4227B_35349792	Ca_Kabuli_Chr01	NC_021160.1	35349792	CC	TT	TT	INTERGENIC		
SNP_4230B_35355657	Ca_Kabuli_Chr01	NC_021160.1	35355657	TT	GG	GG	INTERGENIC		
SNP_4231B_35357692	Ca_Kabuli_Chr01	NC_021160.1	35357692	AA	GG	GG	INTERGENIC		
SNP_4232B_35359301	Ca_Kabuli_Chr01	NC_021160.1	35359301	TT	CC	CC	DRR	101511487	uncharacterized LOC101511487
SNP_4233B_35359340	Ca_Kabuli_Chr01	NC_021160.1	35359340	GG	AA	AA	DRR	101511487	uncharacterized LOC101511487
SNP_4234B_35359571	Ca_Kabuli_Chr01	NC_021160.1	35359571	CC	AA	AA	DRR	101511487	uncharacterized LOC101511487
SNP_4235B_35359691	Ca_Kabuli_Chr01	NC_021160.1	35359691	GG	TT	TT	DRR	101511487	uncharacterized LOC101511487
SNP_4236B_35360818	Ca_Kabuli_Chr01	NC_021160.1	35360818	AA	GG	GG	INTRON	id21392	Unknown function
SNP_4237B_35363301	Ca_Kabuli_Chr01	NC_021160.1	35363301	TT	CC	CC	NON_SYNONYMOUS_CODING	id21392	Unknown function
SNP_4238B_35363341	Ca_Kabuli_Chr01	NC_021160.1	35363341	CC	GG	GG	SYNONYMOUS_CODING	id21392	Unknown function
SNP_4239B_35374627	Ca_Kabuli_Chr01	NC_021160.1	35374627	TT	CC	CC	INTRON	id21392	Unknown function
SNP_4240B_35383202	Ca_Kabuli_Chr01	NC_021160.1	35383202	CC	AA	AA	INTERGENIC		
SNP_4241B_35404812	Ca_Kabuli_Chr01	NC_021160.1	35404812	AA	TT	TT	INTERGENIC		
SNP_4242B_35404862	Ca_Kabuli_Chr01	NC_021160.1	35404862	GG	AA	AA	INTERGENIC		
SNP_4243B_35404984	Ca_Kabuli_Chr01	NC_021160.1	35404984	AA	CC	CC	INTERGENIC		
SNP_4244B_35404985	Ca_Kabuli_Chr01	NC_021160.1	35404985	AA	GG	GG	INTERGENIC		
SNP_4245B_35405269	Ca_Kabuli_Chr01	NC_021160.1	35405269	CC	AA	AA	INTERGENIC		
SNP_4246B_35405288	Ca_Kabuli_Chr01	NC_021160.1	35405288	TT	AA	AA	INTERGENIC		
SNP_4247B_35405290	Ca_Kabuli_Chr01	NC_021160.1	35405290	TT	CC	CC	INTERGENIC		
SNP_4248B_35405291	Ca_Kabuli_Chr01	NC_021160.1	35405291	TT	GG	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_4249B_35405422	Ca_Kabuli_Chr01	NC_021160.1	35405422	AA	GG	GG	INTERGENIC		
SNP_4250B_35405446	Ca_Kabuli_Chr01	NC_021160.1	35405446	AA	TT	TT	INTERGENIC		
SNP_4251B_35405583	Ca_Kabuli_Chr01	NC_021160.1	35405583	CC	TT	TT	INTERGENIC		
SNP_4252B_35432936	Ca_Kabuli_Chr01	NC_021160.1	35432936	CC	TT	TT	INTERGENIC		
SNP_4253B_35432996	Ca_Kabuli_Chr01	NC_021160.1	35432996	TT	CC	CC	INTERGENIC		
SNP_4254B_35433001	Ca_Kabuli_Chr01	NC_021160.1	35433001	TT	CC	CC	INTERGENIC		
SNP_4255B_35435453	Ca_Kabuli_Chr01	NC_021160.1	35435453	CC	TT	TT	INTERGENIC		
SNP_4256B_35450226	Ca_Kabuli_Chr01	NC_021160.1	35450226	TT	CC	CC	INTERGENIC		
SNP_4257B_35450290	Ca_Kabuli_Chr01	NC_021160.1	35450290	TT	CC	CC	INTERGENIC		
SNP_4258B_35482465	Ca_Kabuli_Chr01	NC_021160.1	35482465	AA	TT	TT	INTERGENIC		
SNP_4260B_35496869	Ca_Kabuli_Chr01	NC_021160.1	35496869	TT	CC	CC	INTERGENIC		
SNP_4261B_35508325	Ca_Kabuli_Chr01	NC_021160.1	35508325	AA	GG	GG	INTERGENIC		
SNP_4262B_35537254	Ca_Kabuli_Chr01	NC_021160.1	35537254	CC	AA	AA	INTERGENIC		
SNP_4264B_35537601	Ca_Kabuli_Chr01	NC_021160.1	35537601	GG	AA	AA	INTERGENIC		
SNP_4265B_35546005	Ca_Kabuli_Chr01	NC_021160.1	35546005	TT	GG	GG	INTERGENIC		
SNP_4267B_35560843	Ca_Kabuli_Chr01	NC_021160.1	35560843	TT	AA	AA	INTERGENIC		
SNP_4268B_35560889	Ca_Kabuli_Chr01	NC_021160.1	35560889	AA	GG	GG	INTERGENIC		
SNP_4269B_35564963	Ca_Kabuli_Chr01	NC_021160.1	35564963	AA	GG	GG	INTERGENIC		
SNP_4270B_35565481	Ca_Kabuli_Chr01	NC_021160.1	35565481	AA	CC	CC	INTERGENIC		
SNP_4272B_35574174	Ca_Kabuli_Chr01	NC_021160.1	35574174	GG	AA	AA	INTERGENIC		
SNP_4273B_35574598	Ca_Kabuli_Chr01	NC_021160.1	35574598	GG	AA	AA	INTERGENIC		
SNP_4274B_35574787	Ca_Kabuli_Chr01	NC_021160.1	35574787	TT	AA	AA	INTERGENIC		
SNP_4275B_35576651	Ca_Kabuli_Chr01	NC_021160.1	35576651	TT	AA	AA	INTERGENIC		
SNP_4276B_35598938	Ca_Kabuli_Chr01	NC_021160.1	35598938	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_4277B_35599089	Ca_Kabuli_Chr01	NC_021160.1	35599089	TT	AA	AA	INTERGENIC		
SNP_4278B_35599440	Ca_Kabuli_Chr01	NC_021160.1	35599440	GG	AA	AA	INTERGENIC		
SNP_4279B_35599723	Ca_Kabuli_Chr01	NC_021160.1	35599723	AA	CC	CC	INTERGENIC		
SNP_4280B_35600276	Ca_Kabuli_Chr01	NC_021160.1	35600276	TT	CC	CC	INTERGENIC		
SNP_4281B_35603548	Ca_Kabuli_Chr01	NC_021160.1	35603548	TT	AA	AA	INTERGENIC		
SNP_4282B_35603597	Ca_Kabuli_Chr01	NC_021160.1	35603597	AA	GG	GG	INTERGENIC		
SNP_4283B_35604086	Ca_Kabuli_Chr01	NC_021160.1	35604086	AA	CC	CC	INTERGENIC		
SNP_4284B_35605598	Ca_Kabuli_Chr01	NC_021160.1	35605598	CC	TT	TT	INTERGENIC		
SNP_4285B_35606185	Ca_Kabuli_Chr01	NC_021160.1	35606185	CC	AA	AA	INTERGENIC		
SNP_4287B_35613739	Ca_Kabuli_Chr01	NC_021160.1	35613739	CC	TT	TT	INTERGENIC		
SNP_4288B_35613740	Ca_Kabuli_Chr01	NC_021160.1	35613740	TT	GG	GG	INTERGENIC		
SNP_4289B_35613978	Ca_Kabuli_Chr01	NC_021160.1	35613978	GG	AA	AA	INTERGENIC		
SNP_4290B_35614055	Ca_Kabuli_Chr01	NC_021160.1	35614055	GG	AA	AA	INTERGENIC		
SNP_4291B_35614124	Ca_Kabuli_Chr01	NC_021160.1	35614124	TT	AA	AA	INTERGENIC		
SNP_4292B_35614152	Ca_Kabuli_Chr01	NC_021160.1	35614152	TT	CC	CC	INTERGENIC		
SNP_4293B_35614164	Ca_Kabuli_Chr01	NC_021160.1	35614164	AA	GG	GG	INTERGENIC		
SNP_4294B_35614173	Ca_Kabuli_Chr01	NC_021160.1	35614173	CC	TT	TT	INTERGENIC		
SNP_4295B_35622006	Ca_Kabuli_Chr01	NC_021160.1	35622006	GG	AA	AA	INTERGENIC		
SNP_4297B_35624413	Ca_Kabuli_Chr01	NC_021160.1	35624413	AA	GG	GG	INTERGENIC		
SNP_4298B_35635848	Ca_Kabuli_Chr01	NC_021160.1	35635848	GG	AA	AA	INTERGENIC		
SNP_4299B_35637131	Ca_Kabuli_Chr01	NC_021160.1	35637131	TT	GG	GG	INTERGENIC		
SNP_4300B_35637212	Ca_Kabuli_Chr01	NC_021160.1	35637212	GG	AA	AA	INTERGENIC		
SNP_4301B_35637222	Ca_Kabuli_Chr01	NC_021160.1	35637222	AA	CC	CC	INTERGENIC		
SNP_4302B_35637224	Ca_Kabuli_Chr01	NC_021160.1	35637224	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_4303B_35656443	Ca_Kabuli_Chr01	NC_021160.1	35656443	GG	AA	AA	INTERGENIC		
SNP_4304B_35660402	Ca_Kabuli_Chr01	NC_021160.1	35660402	GG	AA	AA	INTERGENIC		
SNP_4305B_35663117	Ca_Kabuli_Chr01	NC_021160.1	35663117	GG	CC	CC	INTERGENIC		
SNP_4307B_35681586	Ca_Kabuli_Chr01	NC_021160.1	35681586	GG	CC	CC	INTERGENIC		
SNP_4308B_35689730	Ca_Kabuli_Chr01	NC_021160.1	35689730	TT	CC	CC	INTERGENIC		
SNP_4309B_35713952	Ca_Kabuli_Chr01	NC_021160.1	35713952	TT	CC	CC	INTERGENIC		
SNP_4310B_35714038	Ca_Kabuli_Chr01	NC_021160.1	35714038	TT	CC	CC	INTERGENIC		
SNP_4311B_35717750	Ca_Kabuli_Chr01	NC_021160.1	35717750	TT	GG	GG	INTERGENIC		
SNP_4312B_35725037	Ca_Kabuli_Chr01	NC_021160.1	35725037	GG	AA	AA	INTERGENIC		
SNP_4313B_35727503	Ca_Kabuli_Chr01	NC_021160.1	35727503	TT	GG	GG	INTERGENIC		
SNP_4314B_35747792	Ca_Kabuli_Chr01	NC_021160.1	35747792	GG	AA	AA	INTERGENIC		
SNP_4315B_35749137	Ca_Kabuli_Chr01	NC_021160.1	35749137	GG	AA	AA	INTERGENIC		
SNP_4316B_35759020	Ca_Kabuli_Chr01	NC_021160.1	35759020	AA	TT	TT	INTERGENIC		
SNP_4317B_35784710	Ca_Kabuli_Chr01	NC_021160.1	35784710	GG	TT	TT	INTERGENIC		
SNP_4318B_35788029	Ca_Kabuli_Chr01	NC_021160.1	35788029	TT	GG	GG	INTERGENIC		
SNP_4319B_35788565	Ca_Kabuli_Chr01	NC_021160.1	35788565	AA	GG	GG	INTERGENIC		
SNP_4320B_35791669	Ca_Kabuli_Chr01	NC_021160.1	35791669	CC	TT	TT	URR	101488681	Unknown function
SNP_4321B_35818426	Ca_Kabuli_Chr01	NC_021160.1	35818426	CC	TT	TT	INTERGENIC		
SNP_4322B_35842140	Ca_Kabuli_Chr01	NC_021160.1	35842140	AA	TT	TT	INTERGENIC		
SNP_4323B_35856259	Ca_Kabuli_Chr01	NC_021160.1	35856259	GG	AA	AA	INTERGENIC		
SNP_4324B_35856328	Ca_Kabuli_Chr01	NC_021160.1	35856328	TT	CC	CC	INTERGENIC		
SNP_4325B_35856355	Ca_Kabuli_Chr01	NC_021160.1	35856355	GG	AA	AA	INTERGENIC		
SNP_4326B_35856373	Ca_Kabuli_Chr01	NC_021160.1	35856373	TT	AA	AA	INTERGENIC		
SNP_4327B_35856424	Ca_Kabuli_Chr01	NC_021160.1	35856424	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_4328B_35856427	Ca_Kabuli_Chr01	NC_021160.1	35856427	GG	AA	AA	INTERGENIC		
SNP_4329B_35856635	Ca_Kabuli_Chr01	NC_021160.1	35856635	GG	CC	CC	INTERGENIC		
SNP_4330B_35856779	Ca_Kabuli_Chr01	NC_021160.1	35856779	CC	TT	TT	INTERGENIC		
SNP_4331B_35865971	Ca_Kabuli_Chr01	NC_021160.1	35865971	TT	CC	CC	INTERGENIC		
SNP_4332B_35889331	Ca_Kabuli_Chr01	NC_021160.1	35889331	TT	AA	AA	INTERGENIC		
SNP_4333B_35923274	Ca_Kabuli_Chr01	NC_021160.1	35923274	TT	CC	CC	INTERGENIC		
SNP_4334B_35930314	Ca_Kabuli_Chr01	NC_021160.1	35930314	GG	CC	CC	INTERGENIC		
SNP_4335B_35946059	Ca_Kabuli_Chr01	NC_021160.1	35946059	AA	GG	GG	INTERGENIC		
SNP_4336B_35946076	Ca_Kabuli_Chr01	NC_021160.1	35946076	AA	TT	TT	INTERGENIC		
SNP_4337B_35946082	Ca_Kabuli_Chr01	NC_021160.1	35946082	CC	GG	GG	INTERGENIC		
SNP_4338B_35946836	Ca_Kabuli_Chr01	NC_021160.1	35946836	TT	CC	CC	INTERGENIC		
SNP_4339B_35946837	Ca_Kabuli_Chr01	NC_021160.1	35946837	GG	AA	AA	INTERGENIC		
SNP_4340B_35946951	Ca_Kabuli_Chr01	NC_021160.1	35946951	AA	GG	GG	INTERGENIC		
SNP_4341B_35946984	Ca_Kabuli_Chr01	NC_021160.1	35946984	AA	GG	GG	INTERGENIC		
SNP_4342B_35947016	Ca_Kabuli_Chr01	NC_021160.1	35947016	AA	GG	GG	INTERGENIC		
SNP_4344B_35947059	Ca_Kabuli_Chr01	NC_021160.1	35947059	TT	GG	GG	INTERGENIC		
SNP_4345B_35947087	Ca_Kabuli_Chr01	NC_021160.1	35947087	AA	GG	GG	INTERGENIC		
SNP_4346B_35947252	Ca_Kabuli_Chr01	NC_021160.1	35947252	GG	AA	AA	INTERGENIC		
SNP_4347B_35947330	Ca_Kabuli_Chr01	NC_021160.1	35947330	GG	AA	AA	INTERGENIC		
SNP_4348B_35947341	Ca_Kabuli_Chr01	NC_021160.1	35947341	AA	TT	TT	INTERGENIC		
SNP_4349B_35959170	Ca_Kabuli_Chr01	NC_021160.1	35959170	AA	CC	CC	INTERGENIC		
SNP_4350B_35959172	Ca_Kabuli_Chr01	NC_021160.1	35959172	CC	AA	AA	INTERGENIC		
SNP_4351B_35959215	Ca_Kabuli_Chr01	NC_021160.1	35959215	TT	CC	CC	INTERGENIC		
SNP_4353B_35977337	Ca_Kabuli_Chr01	NC_021160.1	35977337	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_4354B_35977371	Ca_Kabuli_Chr01	NC_021160.1	35977371	CC	TT	TT	INTERGENIC		
SNP_4355B_35977378	Ca_Kabuli_Chr01	NC_021160.1	35977378	TT	GG	GG	INTERGENIC		
SNP_4356B_35977601	Ca_Kabuli_Chr01	NC_021160.1	35977601	GG	CC	CC	INTERGENIC		
SNP_4357B_36012896	Ca_Kabuli_Chr01	NC_021160.1	36012896	TT	AA	AA	INTERGENIC		
SNP_4358B_36012956	Ca_Kabuli_Chr01	NC_021160.1	36012956	TT	AA	AA	INTERGENIC		
SNP_4359B_36012971	Ca_Kabuli_Chr01	NC_021160.1	36012971	GG	AA	AA	INTERGENIC		
SNP_4360B_36012985	Ca_Kabuli_Chr01	NC_021160.1	36012985	AA	GG	GG	INTERGENIC		
SNP_4361B_36012995	Ca_Kabuli_Chr01	NC_021160.1	36012995	AA	GG	GG	INTERGENIC		
SNP_4362B_36012998	Ca_Kabuli_Chr01	NC_021160.1	36012998	CC	TT	TT	INTERGENIC		
SNP_4363B_36013001	Ca_Kabuli_Chr01	NC_021160.1	36013001	AA	CC	CC	INTERGENIC		
SNP_4364B_36013071	Ca_Kabuli_Chr01	NC_021160.1	36013071	GG	TT	TT	INTERGENIC		
SNP_4365B_36013119	Ca_Kabuli_Chr01	NC_021160.1	36013119	TT	CC	CC	INTERGENIC		
SNP_4366B_36013254	Ca_Kabuli_Chr01	NC_021160.1	36013254	GG	AA	AA	INTERGENIC		
SNP_4367B_36013263	Ca_Kabuli_Chr01	NC_021160.1	36013263	TT	CC	CC	INTERGENIC		
SNP_4368B_36013344	Ca_Kabuli_Chr01	NC_021160.1	36013344	CC	TT	TT	INTERGENIC		
SNP_4369B_36013359	Ca_Kabuli_Chr01	NC_021160.1	36013359	TT	AA	AA	INTERGENIC		
SNP_4370B_36013365	Ca_Kabuli_Chr01	NC_021160.1	36013365	AA	CC	CC	INTERGENIC		
SNP_4371B_36013368	Ca_Kabuli_Chr01	NC_021160.1	36013368	TT	CC	CC	INTERGENIC		
SNP_4373B_36081439	Ca_Kabuli_Chr01	NC_021160.1	36081439	CC	TT	TT	INTERGENIC		
SNP_4374B_36081441	Ca_Kabuli_Chr01	NC_021160.1	36081441	AA	GG	GG	INTERGENIC		
SNP_4375B_36081454	Ca_Kabuli_Chr01	NC_021160.1	36081454	CC	TT	TT	INTERGENIC		
SNP_4376B_36081457	Ca_Kabuli_Chr01	NC_021160.1	36081457	AA	GG	GG	INTERGENIC		
SNP_4377B_36081496	Ca_Kabuli_Chr01	NC_021160.1	36081496	AA	GG	GG	INTERGENIC		
SNP_4379B_36081590	Ca_Kabuli_Chr01	NC_021160.1	36081590	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_4380B_36081851	Ca_Kabuli_Chr01	NC_021160.1	36081851	TT	CC	CC	INTERGENIC		
SNP_4381B_36081988	Ca_Kabuli_Chr01	NC_021160.1	36081988	AA	CC	CC	INTERGENIC		
SNP_4382B_36082048	Ca_Kabuli_Chr01	NC_021160.1	36082048	TT	GG	GG	INTERGENIC		
SNP_4383B_36172019	Ca_Kabuli_Chr01	NC_021160.1	36172019	GG	TT	TT	INTERGENIC		
SNP_4384B_36249351	Ca_Kabuli_Chr01	NC_021160.1	36249351	AA	CC	CC	INTERGENIC		
SNP_4385B_36249358	Ca_Kabuli_Chr01	NC_021160.1	36249358	CC	AA	AA	INTERGENIC		
SNP_4386B_36282959	Ca_Kabuli_Chr01	NC_021160.1	36282959	GG	AA	AA	INTERGENIC		
SNP_4387B_36283052	Ca_Kabuli_Chr01	NC_021160.1	36283052	CC	GG	GG	INTERGENIC		
SNP_4388B_36283284	Ca_Kabuli_Chr01	NC_021160.1	36283284	AA	GG	GG	INTERGENIC		
SNP_4389B_36283366	Ca_Kabuli_Chr01	NC_021160.1	36283366	TT	GG	GG	INTERGENIC		
SNP_4390B_36283648	Ca_Kabuli_Chr01	NC_021160.1	36283648	AA	GG	GG	INTERGENIC		
SNP_4391B_36296809	Ca_Kabuli_Chr01	NC_021160.1	36296809	CC	TT	TT	INTERGENIC		
SNP_4392B_36297212	Ca_Kabuli_Chr01	NC_021160.1	36297212	CC	TT	TT	INTERGENIC		
SNP_4393B_36297248	Ca_Kabuli_Chr01	NC_021160.1	36297248	GG	AA	AA	INTERGENIC		
SNP_4394B_36297251	Ca_Kabuli_Chr01	NC_021160.1	36297251	AA	TT	TT	INTERGENIC		
SNP_4395B_36297274	Ca_Kabuli_Chr01	NC_021160.1	36297274	TT	GG	GG	INTERGENIC		
SNP_4396B_36300739	Ca_Kabuli_Chr01	NC_021160.1	36300739	CC	GG	GG	INTERGENIC		
SNP_4397B_36345364	Ca_Kabuli_Chr01	NC_021160.1	36345364	CC	TT	TT	INTERGENIC		
SNP_4398B_36346299	Ca_Kabuli_Chr01	NC_021160.1	36346299	GG	AA	AA	INTERGENIC		
SNP_4399B_36356669	Ca_Kabuli_Chr01	NC_021160.1	36356669	CC	TT	TT	INTERGENIC		
SNP_4400B_36532215	Ca_Kabuli_Chr01	NC_021160.1	36532215	AA	GG	GG	INTRON	101492030	origin of replication complex subunit 3
SNP_4401B_36572403	Ca_Kabuli_Chr01	NC_021160.1	36572403	CC	TT	TT	DRR	101492369	uncharacterized LOC101492369
SNP_4402B_36594295	Ca_Kabuli_Chr01	NC_021160.1	36594295	AA	GG	GG	INTERGENIC		
SNP_4403B_36642427	Ca_Kabuli_Chr01	NC_021160.1	36642427	GG	TT	TT	DRR	101492700	heparanase-like protein 3

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_4404B_36661673	Ca_Kabuli_Chr01	NC_021160.1	36661673	TT	AA	AA	INTERGENIC		
SNP_4405B_36711602	Ca_Kabuli_Chr01	NC_021160.1	36711602	CC	TT	TT	INTERGENIC		
SNP_4406B_36716787	Ca_Kabuli_Chr01	NC_021160.1	36716787	GG	AA	AA	INTRON	101497127	probable pectinesterase/pectinesterase inhibitor 32
SNP_4407B_36719818	Ca_Kabuli_Chr01	NC_021160.1	36719818	GG	CC	CC	INTRON	101497127	probable pectinesterase/pectinesterase inhibitor 32
SNP_4408B_36720183	Ca_Kabuli_Chr01	NC_021160.1	36720183	GG	AA	AA	INTRON	101497127	probable pectinesterase/pectinesterase inhibitor 32
SNP_4409B_36720238	Ca_Kabuli_Chr01	NC_021160.1	36720238	TT	GG	GG	NON_SYNONYMOUS_CODING	101497127	probable pectinesterase/pectinesterase inhibitor 32
SNP_4410B_36720512	Ca_Kabuli_Chr01	NC_021160.1	36720512	AA	CC	CC	NON_SYNONYMOUS_CODING	101497127	probable pectinesterase/pectinesterase inhibitor 32
SNP_4411B_36720676	Ca_Kabuli_Chr01	NC_021160.1	36720676	CC	TT	TT	INTRON	101497127	probable pectinesterase/pectinesterase inhibitor 32
SNP_4412B_36720726	Ca_Kabuli_Chr01	NC_021160.1	36720726	AA	TT	TT	INTRON	101497127	probable pectinesterase/pectinesterase inhibitor 32
SNP_4413B_36720753	Ca_Kabuli_Chr01	NC_021160.1	36720753	AA	GG	GG	INTRON	101497127	probable pectinesterase/pectinesterase inhibitor 32
SNP_4414B_36720797	Ca_Kabuli_Chr01	NC_021160.1	36720797	TT	CC	CC	INTRON	101497127	probable pectinesterase/pectinesterase inhibitor 32
SNP_4415B_36721516	Ca_Kabuli_Chr01	NC_021160.1	36721516	AA	GG	GG	NON_SYNONYMOUS_CODING	101497127	probable pectinesterase/pectinesterase inhibitor 32
SNP_4416B_36721673	Ca_Kabuli_Chr01	NC_021160.1	36721673	CC	TT	TT	SYNONYMOUS_CODING	101497127	probable pectinesterase/pectinesterase inhibitor 32
SNP_4417B_36724371	Ca_Kabuli_Chr01	NC_021160.1	36724371	CC	GG	GG	INTERGENIC		
SNP_4418B_36724411	Ca_Kabuli_Chr01	NC_021160.1	36724411	TT	GG	GG	INTERGENIC		
SNP_4419B_36724418	Ca_Kabuli_Chr01	NC_021160.1	36724418	GG	TT	TT	INTERGENIC		
SNP_4420B_36724484	Ca_Kabuli_Chr01	NC_021160.1	36724484	CC	AA	AA	INTERGENIC		
SNP_4421B_36724490	Ca_Kabuli_Chr01	NC_021160.1	36724490	TT	AA	AA	INTERGENIC		
SNP_4422B_36724560	Ca_Kabuli_Chr01	NC_021160.1	36724560	GG	AA	AA	INTERGENIC		
SNP_4423B_36724578	Ca_Kabuli_Chr01	NC_021160.1	36724578	CC	TT	TT	INTERGENIC		
SNP_4424B_36724627	Ca_Kabuli_Chr01	NC_021160.1	36724627	AA	GG	GG	INTERGENIC		
SNP_4425B_36724684	Ca_Kabuli_Chr01	NC_021160.1	36724684	TT	AA	AA	INTERGENIC		
SNP_4426B_36724691	Ca_Kabuli_Chr01	NC_021160.1	36724691	GG	TT	TT	INTERGENIC		
SNP_4427B_36724698	Ca_Kabuli_Chr01	NC_021160.1	36724698	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_4428B_36724701	Ca_Kabuli_Chr01	NC_021160.1	36724701	CC	TT	TT	INTERGENIC		
SNP_4430B_36724815	Ca_Kabuli_Chr01	NC_021160.1	36724815	GG	AA	AA	INTERGENIC		
SNP_4431B_36724821	Ca_Kabuli_Chr01	NC_021160.1	36724821	GG	TT	TT	INTERGENIC		
SNP_4432B_36725129	Ca_Kabuli_Chr01	NC_021160.1	36725129	TT	CC	CC	INTERGENIC		
SNP_4433B_36725172	Ca_Kabuli_Chr01	NC_021160.1	36725172	TT	CC	CC	INTERGENIC		
SNP_4434B_36725211	Ca_Kabuli_Chr01	NC_021160.1	36725211	TT	CC	CC	INTERGENIC		
SNP_4435B_36725374	Ca_Kabuli_Chr01	NC_021160.1	36725374	TT	GG	GG	INTERGENIC		
SNP_4436B_36725414	Ca_Kabuli_Chr01	NC_021160.1	36725414	TT	CC	CC	INTERGENIC		
SNP_4437B_36725466	Ca_Kabuli_Chr01	NC_021160.1	36725466	AA	GG	GG	INTERGENIC		
SNP_4438B_36725496	Ca_Kabuli_Chr01	NC_021160.1	36725496	TT	AA	AA	INTERGENIC		
SNP_4439B_36725513	Ca_Kabuli_Chr01	NC_021160.1	36725513	CC	TT	TT	INTERGENIC		
SNP_4440B_36725570	Ca_Kabuli_Chr01	NC_021160.1	36725570	CC	TT	TT	INTERGENIC		
SNP_4441B_36725615	Ca_Kabuli_Chr01	NC_021160.1	36725615	CC	GG	GG	INTERGENIC		
SNP_4442B_36725674	Ca_Kabuli_Chr01	NC_021160.1	36725674	TT	CC	CC	INTERGENIC		
SNP_4443B_36725740	Ca_Kabuli_Chr01	NC_021160.1	36725740	GG	TT	TT	INTERGENIC		
SNP_4444B_36725888	Ca_Kabuli_Chr01	NC_021160.1	36725888	CC	TT	TT	INTERGENIC		
SNP_4445B_36725954	Ca_Kabuli_Chr01	NC_021160.1	36725954	GG	TT	TT	INTERGENIC		
SNP_4446B_36725986	Ca_Kabuli_Chr01	NC_021160.1	36725986	AA	GG	GG	INTERGENIC		
SNP_4447B_36726144	Ca_Kabuli_Chr01	NC_021160.1	36726144	CC	TT	TT	INTERGENIC		
SNP_4448B_36726147	Ca_Kabuli_Chr01	NC_021160.1	36726147	TT	CC	CC	INTERGENIC		
SNP_4449B_36726188	Ca_Kabuli_Chr01	NC_021160.1	36726188	AA	CC	CC	INTERGENIC		
SNP_4450B_36726213	Ca_Kabuli_Chr01	NC_021160.1	36726213	CC	TT	TT	INTERGENIC		
SNP_4451B_36726216	Ca_Kabuli_Chr01	NC_021160.1	36726216	CC	AA	AA	INTERGENIC		
SNP_4452B_36726228	Ca_Kabuli_Chr01	NC_021160.1	36726228	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_4453B_36726281	Ca_Kabuli_Chr01	NC_021160.1	36726281	AA	GG	GG	INTERGENIC		
SNP_4454B_36726312	Ca_Kabuli_Chr01	NC_021160.1	36726312	AA	CC	CC	INTERGENIC		
SNP_4455B_36726535	Ca_Kabuli_Chr01	NC_021160.1	36726535	CC	TT	TT	INTERGENIC		
SNP_4456B_36726641	Ca_Kabuli_Chr01	NC_021160.1	36726641	GG	AA	AA	INTERGENIC		
SNP_4457B_36726647	Ca_Kabuli_Chr01	NC_021160.1	36726647	TT	CC	CC	INTERGENIC		
SNP_4458B_36726731	Ca_Kabuli_Chr01	NC_021160.1	36726731	TT	CC	CC	INTERGENIC		
SNP_4459B_36727688	Ca_Kabuli_Chr01	NC_021160.1	36727688	AA	GG	GG	INTERGENIC		
SNP_4460B_36727911	Ca_Kabuli_Chr01	NC_021160.1	36727911	TT	CC	CC	INTERGENIC		
SNP_4461B_36727949	Ca_Kabuli_Chr01	NC_021160.1	36727949	CC	GG	GG	INTERGENIC		
SNP_4462B_36728056	Ca_Kabuli_Chr01	NC_021160.1	36728056	AA	CC	CC	INTERGENIC		
SNP_4463B_36728086	Ca_Kabuli_Chr01	NC_021160.1	36728086	GG	TT	TT	INTERGENIC		
SNP_4464B_36728207	Ca_Kabuli_Chr01	NC_021160.1	36728207	GG	AA	AA	INTERGENIC		
SNP_4465B_36728235	Ca_Kabuli_Chr01	NC_021160.1	36728235	AA	TT	TT	INTERGENIC		
SNP_4466B_36728412	Ca_Kabuli_Chr01	NC_021160.1	36728412	CC	TT	TT	INTERGENIC		
SNP_4467B_36737904	Ca_Kabuli_Chr01	NC_021160.1	36737904	AA	GG	GG	INTRON	101493574	CBL-interacting serine/threonine-protein kinase 23
SNP_4468B_36737930	Ca_Kabuli_Chr01	NC_021160.1	36737930	AA	GG	GG	INTRON	101493574	CBL-interacting serine/threonine-protein kinase 23
SNP_4469B_36738279	Ca_Kabuli_Chr01	NC_021160.1	36738279	CC	AA	AA	INTRON	101493574	CBL-interacting serine/threonine-protein kinase 23
SNP_4470B_36746132	Ca_Kabuli_Chr01	NC_021160.1	36746132	GG	AA	AA	URR	101493574	CBL-interacting serine/threonine-protein kinase 23
SNP_4472B_36869134	Ca_Kabuli_Chr01	NC_021160.1	36869134	GG	TT	TT	INTERGENIC		
SNP_4473B_36869170	Ca_Kabuli_Chr01	NC_021160.1	36869170	TT	GG	GG	INTERGENIC		
SNP_4474B_36869173	Ca_Kabuli_Chr01	NC_021160.1	36869173	AA	CC	GG	INTERGENIC		
SNP_4475B_36869204	Ca_Kabuli_Chr01	NC_021160.1	36869204	TT	AA	AA	INTERGENIC		
SNP_4476B_36869208	Ca_Kabuli_Chr01	NC_021160.1	36869208	TT	CC	CC	INTERGENIC		
SNP_4477B_36869213	Ca_Kabuli_Chr01	NC_021160.1	36869213	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_4478B_36869214	Ca_Kabuli_Chr01	NC_021160.1	36869214	TT	GG	GG	INTERGENIC		
SNP_4479B_36869217	Ca_Kabuli_Chr01	NC_021160.1	36869217	AA	GG	GG	INTERGENIC		
SNP_4480B_36869233	Ca_Kabuli_Chr01	NC_021160.1	36869233	CC	AA	AA	INTERGENIC		
SNP_4481B_36950089	Ca_Kabuli_Chr01	NC_021160.1	36950089	AA	CC	CC	INTERGENIC		
SNP_4482B_36950177	Ca_Kabuli_Chr01	NC_021160.1	36950177	TT	AA	AA	INTERGENIC		
SNP_4483B_36950222	Ca_Kabuli_Chr01	NC_021160.1	36950222	CC	TT	TT	INTERGENIC		
SNP_4484B_36950225	Ca_Kabuli_Chr01	NC_021160.1	36950225	TT	GG	GG	INTERGENIC		
SNP_4485B_36950239	Ca_Kabuli_Chr01	NC_021160.1	36950239	AA	GG	GG	INTERGENIC		
SNP_4486B_36950252	Ca_Kabuli_Chr01	NC_021160.1	36950252	GG	AA	AA	INTERGENIC		
SNP_4487B_36956307	Ca_Kabuli_Chr01	NC_021160.1	36956307	AA	TT	TT	INTERGENIC		
SNP_4488B_37037162	Ca_Kabuli_Chr01	NC_021160.1	37037162	AA	GG	GG	INTERGENIC		
SNP_4489B_37037459	Ca_Kabuli_Chr01	NC_021160.1	37037459	TT	CC	CC	INTERGENIC		
SNP_4490B_37037862	Ca_Kabuli_Chr01	NC_021160.1	37037862	TT	CC	CC	INTERGENIC		
SNP_4491B_37042806	Ca_Kabuli_Chr01	NC_021160.1	37042806	CC	TT	TT	INTERGENIC		
SNP_4492B_37043198	Ca_Kabuli_Chr01	NC_021160.1	37043198	CC	TT	TT	INTERGENIC		
SNP_4493B_37054604	Ca_Kabuli_Chr01	NC_021160.1	37054604	GG	AA	AA	INTRON	101502181	nudix hydrolase 19, chloroplastic-like
SNP_4494B_37054623	Ca_Kabuli_Chr01	NC_021160.1	37054623	CC	AA	AA	INTRON	101502181	nudix hydrolase 19, chloroplastic-like
SNP_4495B_37054693	Ca_Kabuli_Chr01	NC_021160.1	37054693	TT	CC	CC	INTRON	101502181	nudix hydrolase 19, chloroplastic-like
SNP_4496B_37054956	Ca_Kabuli_Chr01	NC_021160.1	37054956	CC	TT	TT	INTRON	101502181	nudix hydrolase 19, chloroplastic-like
SNP_4497B_37055062	Ca_Kabuli_Chr01	NC_021160.1	37055062	CC	TT	TT	INTRON	101502181	nudix hydrolase 19, chloroplastic-like
SNP_4498B_37078520	Ca_Kabuli_Chr01	NC_021160.1	37078520	CC	TT	TT	INTERGENIC		
SNP_4499B_37078526	Ca_Kabuli_Chr01	NC_021160.1	37078526	GG	AA	AA	INTERGENIC		
SNP_4500B_37078539	Ca_Kabuli_Chr01	NC_021160.1	37078539	TT	CC	CC	INTERGENIC		
SNP_4501B_37078592	Ca_Kabuli_Chr01	NC_021160.1	37078592	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_4502B_37078596	Ca_Kabuli_Chr01	NC_021160.1	37078596	GG	AA	AA	INTERGENIC		
SNP_4503B_37078606	Ca_Kabuli_Chr01	NC_021160.1	37078606	TT	GG	GG	INTERGENIC		
SNP_4504B_37078640	Ca_Kabuli_Chr01	NC_021160.1	37078640	CC	TT	TT	INTERGENIC		
SNP_4505B_37078663	Ca_Kabuli_Chr01	NC_021160.1	37078663	AA	TT	TT	INTERGENIC		
SNP_4506B_37078668	Ca_Kabuli_Chr01	NC_021160.1	37078668	AA	GG	GG	INTERGENIC		
SNP_4507B_37078718	Ca_Kabuli_Chr01	NC_021160.1	37078718	CC	AA	AA	INTERGENIC		
SNP_4508B_37078743	Ca_Kabuli_Chr01	NC_021160.1	37078743	AA	GG	GG	INTERGENIC		
SNP_4509B_37078790	Ca_Kabuli_Chr01	NC_021160.1	37078790	AA	GG	GG	INTERGENIC		
SNP_4510B_37078851	Ca_Kabuli_Chr01	NC_021160.1	37078851	TT	CC	CC	INTERGENIC		
SNP_4511B_37078862	Ca_Kabuli_Chr01	NC_021160.1	37078862	AA	TT	TT	INTERGENIC		
SNP_4513B_37078986	Ca_Kabuli_Chr01	NC_021160.1	37078986	CC	AA	AA	INTERGENIC		
SNP_4514B_37079000	Ca_Kabuli_Chr01	NC_021160.1	37079000	TT	GG	GG	INTERGENIC		
SNP_4515B_37079031	Ca_Kabuli_Chr01	NC_021160.1	37079031	AA	CC	CC	INTERGENIC		
SNP_4516B_37079038	Ca_Kabuli_Chr01	NC_021160.1	37079038	CC	GG	GG	INTERGENIC		
SNP_4517B_37081578	Ca_Kabuli_Chr01	NC_021160.1	37081578	GG	CC	CC	INTERGENIC		
SNP_4518B_37081722	Ca_Kabuli_Chr01	NC_021160.1	37081722	CC	TT	TT	INTERGENIC		
SNP_4519B_37081772	Ca_Kabuli_Chr01	NC_021160.1	37081772	GG	TT	TT	INTERGENIC		
SNP_4520B_37113270	Ca_Kabuli_Chr01	NC_021160.1	37113270	TT	CC	CC	NON_SYNONYMOUS_CODING	101503120	Unknown function
SNP_4521B_37120760	Ca_Kabuli_Chr01	NC_021160.1	37120760	TT	AA	AA	INTERGENIC		
SNP_4522B_37120833	Ca_Kabuli_Chr01	NC_021160.1	37120833	AA	CC	CC	INTERGENIC		
SNP_4523B_37120867	Ca_Kabuli_Chr01	NC_021160.1	37120867	TT	AA	AA	INTERGENIC		
SNP_4524B_37120925	Ca_Kabuli_Chr01	NC_021160.1	37120925	AA	GG	GG	INTERGENIC		
SNP_4525B_37120966	Ca_Kabuli_Chr01	NC_021160.1	37120966	AA	GG	GG	INTERGENIC		
SNP_4526B_37120967	Ca_Kabuli_Chr01	NC_021160.1	37120967	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_4527B_37121059	Ca_Kabuli_Chr01	NC_021160.1	37121059	AA	GG	GG	INTERGENIC		
SNP_4528B_37121094	Ca_Kabuli_Chr01	NC_021160.1	37121094	TT	CC	CC	INTERGENIC		
SNP_4529B_37121100	Ca_Kabuli_Chr01	NC_021160.1	37121100	GG	AA	AA	INTERGENIC		
SNP_4530B_37121121	Ca_Kabuli_Chr01	NC_021160.1	37121121	TT	CC	CC	INTERGENIC		
SNP_4531B_37121152	Ca_Kabuli_Chr01	NC_021160.1	37121152	GG	AA	AA	INTERGENIC		
SNP_4532B_37121197	Ca_Kabuli_Chr01	NC_021160.1	37121197	GG	AA	AA	INTERGENIC		
SNP_4533B_37121213	Ca_Kabuli_Chr01	NC_021160.1	37121213	TT	AA	AA	INTERGENIC		
SNP_4534B_37121360	Ca_Kabuli_Chr01	NC_021160.1	37121360	AA	GG	GG	INTERGENIC		
SNP_4535B_37121638	Ca_Kabuli_Chr01	NC_021160.1	37121638	TT	AA	AA	INTERGENIC		
SNP_4536B_37121663	Ca_Kabuli_Chr01	NC_021160.1	37121663	GG	AA	AA	INTERGENIC		
SNP_4537B_37121682	Ca_Kabuli_Chr01	NC_021160.1	37121682	TT	CC	CC	INTERGENIC		
SNP_4538B_37121704	Ca_Kabuli_Chr01	NC_021160.1	37121704	AA	TT	TT	INTERGENIC		
SNP_4539B_37121762	Ca_Kabuli_Chr01	NC_021160.1	37121762	TT	CC	CC	INTERGENIC		
SNP_4540B_37121830	Ca_Kabuli_Chr01	NC_021160.1	37121830	CC	TT	TT	INTERGENIC		
SNP_4541B_37121835	Ca_Kabuli_Chr01	NC_021160.1	37121835	CC	AA	AA	INTERGENIC		
SNP_4542B_37121858	Ca_Kabuli_Chr01	NC_021160.1	37121858	TT	CC	CC	INTERGENIC		
SNP_4543B_37121872	Ca_Kabuli_Chr01	NC_021160.1	37121872	GG	AA	AA	INTERGENIC		
SNP_4544B_37121893	Ca_Kabuli_Chr01	NC_021160.1	37121893	GG	AA	AA	INTERGENIC		
SNP_4545B_37121901	Ca_Kabuli_Chr01	NC_021160.1	37121901	AA	GG	GG	INTERGENIC		
SNP_4546B_37121996	Ca_Kabuli_Chr01	NC_021160.1	37121996	TT	CC	CC	INTERGENIC		
SNP_4547B_37122241	Ca_Kabuli_Chr01	NC_021160.1	37122241	CC	TT	TT	INTERGENIC		
SNP_4548B_37122245	Ca_Kabuli_Chr01	NC_021160.1	37122245	AA	CC	CC	INTERGENIC		
SNP_4549B_37122252	Ca_Kabuli_Chr01	NC_021160.1	37122252	CC	TT	TT	INTERGENIC		
SNP_4550B_37122254	Ca_Kabuli_Chr01	NC_021160.1	37122254	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_4551B_37122278	Ca_Kabuli_Chr01	NC_021160.1	37122278	AA	CC	CC	INTERGENIC		
SNP_4552B_37122355	Ca_Kabuli_Chr01	NC_021160.1	37122355	GG	AA	AA	INTERGENIC		
SNP_4553B_37122468	Ca_Kabuli_Chr01	NC_021160.1	37122468	GG	CC	CC	INTERGENIC		
SNP_4554B_37122479	Ca_Kabuli_Chr01	NC_021160.1	37122479	TT	AA	AA	INTERGENIC		
SNP_4556B_37122670	Ca_Kabuli_Chr01	NC_021160.1	37122670	AA	TT	TT	INTERGENIC		
SNP_4558B_37122755	Ca_Kabuli_Chr01	NC_021160.1	37122755	TT	GG	GG	INTERGENIC		
SNP_4559B_37122764	Ca_Kabuli_Chr01	NC_021160.1	37122764	TT	CC	CC	INTERGENIC		
SNP_4560B_37122783	Ca_Kabuli_Chr01	NC_021160.1	37122783	GG	AA	AA	INTERGENIC		
SNP_4561B_37122797	Ca_Kabuli_Chr01	NC_021160.1	37122797	CC	TT	TT	INTERGENIC		
SNP_4563B_37122886	Ca_Kabuli_Chr01	NC_021160.1	37122886	GG	AA	AA	INTERGENIC		
SNP_4564B_37122903	Ca_Kabuli_Chr01	NC_021160.1	37122903	TT	CC	CC	INTERGENIC		
SNP_4565B_37122921	Ca_Kabuli_Chr01	NC_021160.1	37122921	AA	GG	GG	INTERGENIC		
SNP_4566B_37122983	Ca_Kabuli_Chr01	NC_021160.1	37122983	TT	CC	CC	INTERGENIC		
SNP_4567B_37122986	Ca_Kabuli_Chr01	NC_021160.1	37122986	GG	TT	TT	INTERGENIC		
SNP_4568B_37122993	Ca_Kabuli_Chr01	NC_021160.1	37122993	GG	AA	AA	INTERGENIC		
SNP_4569B_37123014	Ca_Kabuli_Chr01	NC_021160.1	37123014	TT	CC	CC	INTERGENIC		
SNP_4570B_37128375	Ca_Kabuli_Chr01	NC_021160.1	37128375	CC	TT	TT	INTERGENIC		
SNP_4572B_37128912	Ca_Kabuli_Chr01	NC_021160.1	37128912	AA	TT	TT	INTERGENIC		
SNP_4573B_37128921	Ca_Kabuli_Chr01	NC_021160.1	37128921	AA	CC	CC	INTERGENIC		
SNP_4574B_37128931	Ca_Kabuli_Chr01	NC_021160.1	37128931	TT	CC	CC	INTERGENIC		
SNP_4575B_37128964	Ca_Kabuli_Chr01	NC_021160.1	37128964	TT	CC	CC	INTERGENIC		
SNP_4576B_37129025	Ca_Kabuli_Chr01	NC_021160.1	37129025	TT	CC	CC	INTERGENIC		
SNP_4577B_37129151	Ca_Kabuli_Chr01	NC_021160.1	37129151	GG	AA	AA	INTERGENIC		
SNP_4578B_37130856	Ca_Kabuli_Chr01	NC_021160.1	37130856	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_4579B_37157298	Ca_Kabuli_Chr01	NC_021160.1	37157298	TT	CC	CC	INTERGENIC		
SNP_4580B_37190446	Ca_Kabuli_Chr01	NC_021160.1	37190446	TT	CC	CC	DRR	101498115	nudix hydrolase 19, chloroplastic
SNP_4582B_37206621	Ca_Kabuli_Chr01	NC_021160.1	37206621	CC	TT	TT	INTERGENIC		
SNP_4584B_37243095	Ca_Kabuli_Chr01	NC_021160.1	37243095	AA	GG	GG	INTERGENIC		
SNP_4585B_37243424	Ca_Kabuli_Chr01	NC_021160.1	37243424	GG	AA	AA	INTERGENIC		
SNP_4586B_37279850	Ca_Kabuli_Chr01	NC_021160.1	37279850	TT	AA	AA	INTERGENIC		
SNP_4587B_37279854	Ca_Kabuli_Chr01	NC_021160.1	37279854	CC	TT	TT	INTERGENIC		
SNP_4588B_37351390	Ca_Kabuli_Chr01	NC_021160.1	37351390	AA	CC	CC	INTERGENIC		
SNP_4589B_37406232	Ca_Kabuli_Chr01	NC_021160.1	37406232	AA	CC	CC	INTERGENIC		
SNP_4590B_37406323	Ca_Kabuli_Chr01	NC_021160.1	37406323	TT	CC	CC	INTERGENIC		
SNP_4591B_37406566	Ca_Kabuli_Chr01	NC_021160.1	37406566	CC	TT	TT	INTERGENIC		
SNP_4592B_37406586	Ca_Kabuli_Chr01	NC_021160.1	37406586	TT	CC	CC	INTERGENIC		
SNP_4593B_37409796	Ca_Kabuli_Chr01	NC_021160.1	37409796	GG	AA	AA	INTERGENIC		
SNP_4594B_37409823	Ca_Kabuli_Chr01	NC_021160.1	37409823	GG	AA	AA	INTERGENIC		
SNP_4595B_37409842	Ca_Kabuli_Chr01	NC_021160.1	37409842	GG	AA	AA	INTERGENIC		
SNP_4596B_37409886	Ca_Kabuli_Chr01	NC_021160.1	37409886	GG	AA	AA	INTERGENIC		
SNP_4597B_37409918	Ca_Kabuli_Chr01	NC_021160.1	37409918	TT	CC	CC	INTERGENIC		
SNP_4598B_37409960	Ca_Kabuli_Chr01	NC_021160.1	37409960	TT	CC	CC	INTERGENIC		
SNP_4599B_37409983	Ca_Kabuli_Chr01	NC_021160.1	37409983	AA	GG	GG	INTERGENIC		
SNP_4600B_37410020	Ca_Kabuli_Chr01	NC_021160.1	37410020	TT	CC	CC	INTERGENIC		
SNP_4601B_37410040	Ca_Kabuli_Chr01	NC_021160.1	37410040	TT	CC	CC	INTERGENIC		
SNP_4602B_37410061	Ca_Kabuli_Chr01	NC_021160.1	37410061	GG	AA	AA	INTERGENIC		
SNP_4603B_37410106	Ca_Kabuli_Chr01	NC_021160.1	37410106	AA	GG	GG	INTERGENIC		
SNP_4604B_37410115	Ca_Kabuli_Chr01	NC_021160.1	37410115	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_4605B_37410117	Ca_Kabuli_Chr01	NC_021160.1	37410117	AA	GG	GG	INTERGENIC		
SNP_4606B_37410118	Ca_Kabuli_Chr01	NC_021160.1	37410118	TT	AA	AA	INTERGENIC		
SNP_4607B_37410140	Ca_Kabuli_Chr01	NC_021160.1	37410140	GG	AA	AA	INTERGENIC		
SNP_4608B_37410145	Ca_Kabuli_Chr01	NC_021160.1	37410145	GG	TT	TT	INTERGENIC		
SNP_4609B_37410194	Ca_Kabuli_Chr01	NC_021160.1	37410194	AA	GG	GG	INTERGENIC		
SNP_4610B_37410203	Ca_Kabuli_Chr01	NC_021160.1	37410203	GG	AA	AA	INTERGENIC		
SNP_4611B_37410247	Ca_Kabuli_Chr01	NC_021160.1	37410247	TT	GG	GG	INTERGENIC		
SNP_4612B_37410269	Ca_Kabuli_Chr01	NC_021160.1	37410269	TT	CC	CC	INTERGENIC		
SNP_4613B_37410277	Ca_Kabuli_Chr01	NC_021160.1	37410277	GG	CC	CC	INTERGENIC		
SNP_4614B_37410353	Ca_Kabuli_Chr01	NC_021160.1	37410353	CC	GG	GG	INTERGENIC		
SNP_4615B_37410355	Ca_Kabuli_Chr01	NC_021160.1	37410355	AA	GG	GG	INTERGENIC		
SNP_4616B_37410514	Ca_Kabuli_Chr01	NC_021160.1	37410514	GG	TT	TT	INTERGENIC		
SNP_4617B_37412205	Ca_Kabuli_Chr01	NC_021160.1	37412205	CC	AA	AA	INTERGENIC		
SNP_4619B_37419467	Ca_Kabuli_Chr01	NC_021160.1	37419467	AA	GG	GG	INTRON	101504417	NADP-dependent alkenal double bond reductase P1-like
SNP_4620B_37420091	Ca_Kabuli_Chr01	NC_021160.1	37420091	GG	AA	AA	URR	101504417	NADP-dependent alkenal double bond reductase P1-like
SNP_4621B_37420129	Ca_Kabuli_Chr01	NC_021160.1	37420129	TT	CC	CC	URR	101504417	NADP-dependent alkenal double bond reductase P1-like
SNP_4622B_37420247	Ca_Kabuli_Chr01	NC_021160.1	37420247	GG	TT	TT	URR	101504417	NADP-dependent alkenal double bond reductase P1-like
SNP_4624B_37420521	Ca_Kabuli_Chr01	NC_021160.1	37420521	CC	AA	AA	URR	101504417	NADP-dependent alkenal double bond reductase P1-like
SNP_4625B_37420570	Ca_Kabuli_Chr01	NC_021160.1	37420570	TT	GG	GG	URR	101504417	NADP-dependent alkenal double bond reductase P1-like
SNP_4627B_37420755	Ca_Kabuli_Chr01	NC_021160.1	37420755	GG	CC	CC	URR	101504417	NADP-dependent alkenal double bond reductase P1-like
SNP_4629B_37421134	Ca_Kabuli_Chr01	NC_021160.1	37421134	GG	AA	AA	URR	101504417	NADP-dependent alkenal double bond reductase P1-like
SNP_4630B_37421603	Ca_Kabuli_Chr01	NC_021160.1	37421603	TT	AA	AA	URR	101504417	NADP-dependent alkenal double bond reductase P1-like
SNP_4631B_37422161	Ca_Kabuli_Chr01	NC_021160.1	37422161	GG	AA	AA	INTERGENIC		
SNP_4632B_37422166	Ca_Kabuli_Chr01	NC_021160.1	37422166	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_4633B_37422380	Ca_Kabuli_Chr01	NC_021160.1	37422380	TT	AA	AA	INTERGENIC		
SNP_4634B_37422419	Ca_Kabuli_Chr01	NC_021160.1	37422419	TT	AA	AA	INTERGENIC		
SNP_4635B_37422569	Ca_Kabuli_Chr01	NC_021160.1	37422569	AA	TT	TT	INTERGENIC		
SNP_4636B_37422583	Ca_Kabuli_Chr01	NC_021160.1	37422583	TT	AA	AA	INTERGENIC		
SNP_4637B_37422692	Ca_Kabuli_Chr01	NC_021160.1	37422692	CC	TT	TT	INTERGENIC		
SNP_4638B_37423969	Ca_Kabuli_Chr01	NC_021160.1	37423969	GG	AA	AA	INTERGENIC		
SNP_4639B_37424240	Ca_Kabuli_Chr01	NC_021160.1	37424240	CC	TT	TT	INTERGENIC		
SNP_4641B_37424379	Ca_Kabuli_Chr01	NC_021160.1	37424379	TT	CC	CC	INTERGENIC		
SNP_4642B_37424411	Ca_Kabuli_Chr01	NC_021160.1	37424411	GG	TT	TT	INTERGENIC		
SNP_4643B_37424486	Ca_Kabuli_Chr01	NC_021160.1	37424486	CC	GG	GG	INTERGENIC		
SNP_4644B_37424513	Ca_Kabuli_Chr01	NC_021160.1	37424513	TT	GG	GG	INTERGENIC		
SNP_4645B_37424550	Ca_Kabuli_Chr01	NC_021160.1	37424550	CC	TT	TT	INTERGENIC		
SNP_4646B_37424582	Ca_Kabuli_Chr01	NC_021160.1	37424582	GG	TT	TT	INTERGENIC		
SNP_4647B_37424599	Ca_Kabuli_Chr01	NC_021160.1	37424599	TT	GG	GG	INTERGENIC		
SNP_4648B_37424797	Ca_Kabuli_Chr01	NC_021160.1	37424797	TT	GG	GG	INTERGENIC		
SNP_4649B_37424857	Ca_Kabuli_Chr01	NC_021160.1	37424857	CC	TT	TT	INTERGENIC		
SNP_4650B_37424873	Ca_Kabuli_Chr01	NC_021160.1	37424873	GG	TT	TT	INTERGENIC		
SNP_4651B_37424903	Ca_Kabuli_Chr01	NC_021160.1	37424903	GG	AA	AA	INTERGENIC		
SNP_4652B_37424945	Ca_Kabuli_Chr01	NC_021160.1	37424945	GG	TT	TT	INTERGENIC		
SNP_4654B_37424995	Ca_Kabuli_Chr01	NC_021160.1	37424995	AA	GG	GG	INTERGENIC		
SNP_4655B_37425011	Ca_Kabuli_Chr01	NC_021160.1	37425011	AA	GG	GG	INTERGENIC		
SNP_4656B_37425061	Ca_Kabuli_Chr01	NC_021160.1	37425061	TT	GG	GG	INTERGENIC		
SNP_4658B_37425092	Ca_Kabuli_Chr01	NC_021160.1	37425092	CC	TT	TT	INTERGENIC		
SNP_4660B_37425240	Ca_Kabuli_Chr01	NC_021160.1	37425240	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_4662B_37425536	Ca_Kabuli_Chr01	NC_021160.1	37425536	CC	AA	AA	INTERGENIC		
SNP_4663B_37425559	Ca_Kabuli_Chr01	NC_021160.1	37425559	TT	GG	GG	INTERGENIC		
SNP_4664B_37425577	Ca_Kabuli_Chr01	NC_021160.1	37425577	AA	GG	GG	INTERGENIC		
SNP_4666B_37425690	Ca_Kabuli_Chr01	NC_021160.1	37425690	TT	CC	CC	INTERGENIC		
SNP_4667B_37426517	Ca_Kabuli_Chr01	NC_021160.1	37426517	AA	CC	CC	DRR	101504737	serine carboxypeptidase-like 45
SNP_4668B_37432623	Ca_Kabuli_Chr01	NC_021160.1	37432623	TT	AA	AA	INTERGENIC		
SNP_4669B_37433074	Ca_Kabuli_Chr01	NC_021160.1	37433074	TT	CC	CC	INTERGENIC		
SNP_4670B_37433319	Ca_Kabuli_Chr01	NC_021160.1	37433319	CC	AA	AA	INTERGENIC		
SNP_4671B_37433340	Ca_Kabuli_Chr01	NC_021160.1	37433340	TT	AA	AA	INTERGENIC		
SNP_4673B_37433394	Ca_Kabuli_Chr01	NC_021160.1	37433394	CC	AA	AA	INTERGENIC		
SNP_4674B_37433622	Ca_Kabuli_Chr01	NC_021160.1	37433622	CC	TT	TT	INTERGENIC		
SNP_4675B_37433639	Ca_Kabuli_Chr01	NC_021160.1	37433639	AA	GG	GG	INTERGENIC		
SNP_4676B_37450145	Ca_Kabuli_Chr01	NC_021160.1	37450145	AA	TT	TT	INTERGENIC		
SNP_4677B_37450161	Ca_Kabuli_Chr01	NC_021160.1	37450161	CC	GG	GG	INTERGENIC		
SNP_4678B_37450211	Ca_Kabuli_Chr01	NC_021160.1	37450211	CC	TT	TT	INTERGENIC		
SNP_4679B_37450558	Ca_Kabuli_Chr01	NC_021160.1	37450558	AA	CC	CC	INTERGENIC		
SNP_4680B_37450596	Ca_Kabuli_Chr01	NC_021160.1	37450596	CC	TT	TT	INTERGENIC		
SNP_4681B_37450636	Ca_Kabuli_Chr01	NC_021160.1	37450636	GG	CC	CC	INTERGENIC		
SNP_4682B_37450660	Ca_Kabuli_Chr01	NC_021160.1	37450660	GG	TT	TT	INTERGENIC		
SNP_4683B_37450706	Ca_Kabuli_Chr01	NC_021160.1	37450706	CC	TT	TT	INTERGENIC		
SNP_4684B_37450734	Ca_Kabuli_Chr01	NC_021160.1	37450734	TT	AA	AA	INTERGENIC		
SNP_4685B_37450833	Ca_Kabuli_Chr01	NC_021160.1	37450833	AA	TT	TT	INTERGENIC		
SNP_4686B_37453008	Ca_Kabuli_Chr01	NC_021160.1	37453008	AA	TT	TT	INTERGENIC		
SNP_4687B_37465413	Ca_Kabuli_Chr01	NC_021160.1	37465413	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_4688B_37466440	Ca_Kabuli_Chr01	NC_021160.1	37466440	TT	GG	GG	INTERGENIC		
SNP_4689B_37466599	Ca_Kabuli_Chr01	NC_021160.1	37466599	GG	AA	AA	INTERGENIC		
SNP_4690B_37468434	Ca_Kabuli_Chr01	NC_021160.1	37468434	CC	TT	TT	INTERGENIC		
SNP_4691B_37468439	Ca_Kabuli_Chr01	NC_021160.1	37468439	TT	GG	GG	INTERGENIC		
SNP_4692B_37468753	Ca_Kabuli_Chr01	NC_021160.1	37468753	TT	AA	AA	INTERGENIC		
SNP_4693B_37468852	Ca_Kabuli_Chr01	NC_021160.1	37468852	AA	TT	TT	INTERGENIC		
SNP_4694B_37468916	Ca_Kabuli_Chr01	NC_021160.1	37468916	CC	AA	AA	INTERGENIC		
SNP_4695B_37468930	Ca_Kabuli_Chr01	NC_021160.1	37468930	AA	GG	GG	INTERGENIC		
SNP_4696B_37469069	Ca_Kabuli_Chr01	NC_021160.1	37469069	AA	GG	GG	INTERGENIC		
SNP_4697B_37469081	Ca_Kabuli_Chr01	NC_021160.1	37469081	TT	CC	CC	INTERGENIC		
SNP_4698B_37469094	Ca_Kabuli_Chr01	NC_021160.1	37469094	TT	AA	AA	INTERGENIC		
SNP_4699B_37469135	Ca_Kabuli_Chr01	NC_021160.1	37469135	AA	TT	TT	INTERGENIC		
SNP_4700B_37469153	Ca_Kabuli_Chr01	NC_021160.1	37469153	TT	AA	AA	INTERGENIC		
SNP_4701B_37469189	Ca_Kabuli_Chr01	NC_021160.1	37469189	CC	AA	AA	INTERGENIC		
SNP_4702B_37469274	Ca_Kabuli_Chr01	NC_021160.1	37469274	CC	GG	GG	INTERGENIC		
SNP_4703B_37489456	Ca_Kabuli_Chr01	NC_021160.1	37489456	GG	AA	AA	INTERGENIC		
SNP_4704B_37489703	Ca_Kabuli_Chr01	NC_021160.1	37489703	CC	AA	AA	INTERGENIC		
SNP_4705B_37489857	Ca_Kabuli_Chr01	NC_021160.1	37489857	TT	CC	CC	INTERGENIC		
SNP_4708B_37490042	Ca_Kabuli_Chr01	NC_021160.1	37490042	AA	TT	TT	INTERGENIC		
SNP_4710B_37498745	Ca_Kabuli_Chr01	NC_021160.1	37498745	CC	TT	TT	INTERGENIC		
SNP_4711B_37500950	Ca_Kabuli_Chr01	NC_021160.1	37500950	TT	AA	AA	INTERGENIC		
SNP_4712B_37500992	Ca_Kabuli_Chr01	NC_021160.1	37500992	TT	AA	AA	INTERGENIC		
SNP_4713B_37501821	Ca_Kabuli_Chr01	NC_021160.1	37501821	TT	AA	AA	INTERGENIC		
SNP_4714B_37501826	Ca_Kabuli_Chr01	NC_021160.1	37501826	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_4715B_37506284	Ca_Kabuli_Chr01	NC_021160.1	37506284	AA	CC	CC	INTERGENIC		
SNP_4716B_37584720	Ca_Kabuli_Chr01	NC_021160.1	37584720	AA	TT	TT	INTERGENIC		
SNP_4717B_37691522	Ca_Kabuli_Chr01	NC_021160.1	37691522	TT	AA	AA	INTRON	101507545	myb family transcription factor APL
SNP_4718B_37691523	Ca_Kabuli_Chr01	NC_021160.1	37691523	TT	AA	AA	INTRON	101507545	myb family transcription factor APL
SNP_4719B_37691537	Ca_Kabuli_Chr01	NC_021160.1	37691537	TT	AA	AA	INTRON	101507545	myb family transcription factor APL
SNP_4720B_37691542	Ca_Kabuli_Chr01	NC_021160.1	37691542	AA	GG	GG	INTRON	101507545	myb family transcription factor APL
SNP_4721B_37693132	Ca_Kabuli_Chr01	NC_021160.1	37693132	TT	AA	AA	URR	101507545	myb family transcription factor APL
SNP_4723B_37694016	Ca_Kabuli_Chr01	NC_021160.1	37694016	CC	TT	TT	URR	101507545	myb family transcription factor APL
SNP_4724B_37697883	Ca_Kabuli_Chr01	NC_021160.1	37697883	AA	CC	CC	INTERGENIC		
SNP_4725B_37704945	Ca_Kabuli_Chr01	NC_021160.1	37704945	TT	CC	CC	INTERGENIC		
SNP_4726B_37704970	Ca_Kabuli_Chr01	NC_021160.1	37704970	AA	GG	GG	INTERGENIC		
SNP_4728B_37714795	Ca_Kabuli_Chr01	NC_021160.1	37714795	CC	TT	TT	INTERGENIC		
SNP_4729B_37714994	Ca_Kabuli_Chr01	NC_021160.1	37714994	TT	CC	CC	INTERGENIC		
SNP_4730B_37714998	Ca_Kabuli_Chr01	NC_021160.1	37714998	GG	AA	AA	INTERGENIC		
SNP_4731B_37715027	Ca_Kabuli_Chr01	NC_021160.1	37715027	CC	TT	TT	INTERGENIC		
SNP_4732B_37715309	Ca_Kabuli_Chr01	NC_021160.1	37715309	AA	CC	CC	INTERGENIC		
SNP_4733B_37721352	Ca_Kabuli_Chr01	NC_021160.1	37721352	CC	TT	TT	DRR	101508083	uncharacterized LOC101508083
SNP_4736B_37725540	Ca_Kabuli_Chr01	NC_021160.1	37725540	AA	TT	TT	URR	101508083	uncharacterized LOC101508083
SNP_4737B_37738367	Ca_Kabuli_Chr01	NC_021160.1	37738367	GG	AA	AA	INTERGENIC		
SNP_4738B_37747823	Ca_Kabuli_Chr01	NC_021160.1	37747823	AA	TT	TT	INTERGENIC		
SNP_4739B_37758136	Ca_Kabuli_Chr01	NC_021160.1	37758136	GG	AA	AA	INTERGENIC		
SNP_4741B_37761716	Ca_Kabuli_Chr01	NC_021160.1	37761716	AA	GG	GG	INTERGENIC		
SNP_4742B_37761728	Ca_Kabuli_Chr01	NC_021160.1	37761728	CC	TT	TT	INTERGENIC		
SNP_4743B_37761767	Ca_Kabuli_Chr01	NC_021160.1	37761767	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_4744B_37761830	Ca_Kabuli_Chr01	NC_021160.1	37761830	TT	AA	AA	INTERGENIC		
SNP_4745B_37767716	Ca_Kabuli_Chr01	NC_021160.1	37767716	GG	AA	AA	URR	101508397	transcription factor MYB86
SNP_4746B_37769324	Ca_Kabuli_Chr01	NC_021160.1	37769324	GG	TT	TT	INTERGENIC		
SNP_4747B_37776114	Ca_Kabuli_Chr01	NC_021160.1	37776114	TT	AA	AA	INTERGENIC		
SNP_4748B_37777595	Ca_Kabuli_Chr01	NC_021160.1	37777595	GG	AA	AA	INTERGENIC		
SNP_4749B_37777642	Ca_Kabuli_Chr01	NC_021160.1	37777642	TT	CC	CC	INTERGENIC		
SNP_4750B_37783194	Ca_Kabuli_Chr01	NC_021160.1	37783194	CC	TT	TT	INTERGENIC		
SNP_4751B_37796090	Ca_Kabuli_Chr01	NC_021160.1	37796090	TT	GG	GG	INTRON	101508708	NAC domain-containing protein 45
SNP_4752B_37798545	Ca_Kabuli_Chr01	NC_021160.1	37798545	CC	TT	TT	INTRON	101508708	NAC domain-containing protein 45
SNP_4753B_37798548	Ca_Kabuli_Chr01	NC_021160.1	37798548	AA	GG	GG	INTRON	101508708	NAC domain-containing protein 45
SNP_4756B_37803791	Ca_Kabuli_Chr01	NC_021160.1	37803791	CC	TT	TT	INTERGENIC		
SNP_4757B_37806569	Ca_Kabuli_Chr01	NC_021160.1	37806569	CC	TT	TT	INTERGENIC		
SNP_4758B_37806940	Ca_Kabuli_Chr01	NC_021160.1	37806940	TT	GG	GG	INTERGENIC		
SNP_4759B_37808497	Ca_Kabuli_Chr01	NC_021160.1	37808497	AA	CC	CC	INTERGENIC		
SNP_4760B_37825975	Ca_Kabuli_Chr01	NC_021160.1	37825975	TT	AA	AA	INTERGENIC		
SNP_4762B_37838783	Ca_Kabuli_Chr01	NC_021160.1	37838783	TT	CC	CC	URR	101509024	uncharacterized LOC101509024
SNP_4763B_37849089	Ca_Kabuli_Chr01	NC_021160.1	37849089	CC	AA	AA	INTRON	101509230	E3 ubiquitin-protein ligase RGLG2-like
SNP_4764B_37850528	Ca_Kabuli_Chr01	NC_021160.1	37850528	TT	CC	CC	INTRON	101509230	E3 ubiquitin-protein ligase RGLG2-like
SNP_4766B_37854594	Ca_Kabuli_Chr01	NC_021160.1	37854594	AA	TT	TT	INTERGENIC		
SNP_4768B_37886951	Ca_Kabuli_Chr01	NC_021160.1	37886951	AA	TT	TT	INTRON	SBNO1	Unknown function
SNP_4770B_37889429	Ca_Kabuli_Chr01	NC_021160.1	37889429	GG	AA	AA	INTRON	SBNO1	Unknown function
SNP_4771B_37890344	Ca_Kabuli_Chr01	NC_021160.1	37890344	GG	TT	TT	INTRON	SBNO1	Unknown function
SNP_4772B_37898836	Ca_Kabuli_Chr01	NC_021160.1	37898836	CC	TT	TT	INTERGENIC		
SNP_4773B_37899075	Ca_Kabuli_Chr01	NC_021160.1	37899075	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_4774B_37903462	Ca_Kabuli_Chr01	NC_021160.1	37903462	AA	GG	GG	DRR	101511816	peroxidase 7-like
SNP_4775B_37913504	Ca_Kabuli_Chr01	NC_021160.1	37913504	GG	AA	AA	INTERGENIC		
SNP_4776B_37913600	Ca_Kabuli_Chr01	NC_021160.1	37913600	TT	AA	AA	INTERGENIC		
SNP_4778B_37913690	Ca_Kabuli_Chr01	NC_021160.1	37913690	AA	CC	CC	INTERGENIC		
SNP_4779B_37917563	Ca_Kabuli_Chr01	NC_021160.1	37917563	AA	TT	TT	INTERGENIC		
SNP_4780B_37917571	Ca_Kabuli_Chr01	NC_021160.1	37917571	GG	AA	AA	INTERGENIC		
SNP_4781B_37917700	Ca_Kabuli_Chr01	NC_021160.1	37917700	TT	AA	AA	INTERGENIC		
SNP_4782B_37917741	Ca_Kabuli_Chr01	NC_021160.1	37917741	TT	CC	CC	INTERGENIC		
SNP_4783B_37917767	Ca_Kabuli_Chr01	NC_021160.1	37917767	AA	TT	TT	INTERGENIC		
SNP_4784B_37917770	Ca_Kabuli_Chr01	NC_021160.1	37917770	AA	GG	GG	INTERGENIC		
SNP_4785B_37917827	Ca_Kabuli_Chr01	NC_021160.1	37917827	GG	TT	TT	INTERGENIC		
SNP_4786B_37917886	Ca_Kabuli_Chr01	NC_021160.1	37917886	AA	TT	TT	INTERGENIC		
SNP_4787B_37917962	Ca_Kabuli_Chr01	NC_021160.1	37917962	GG	CC	CC	INTERGENIC		
SNP_4789B_37918086	Ca_Kabuli_Chr01	NC_021160.1	37918086	TT	CC	CC	INTERGENIC		
SNP_4790B_37918089	Ca_Kabuli_Chr01	NC_021160.1	37918089	TT	AA	AA	INTERGENIC		
SNP_4791B_37918173	Ca_Kabuli_Chr01	NC_021160.1	37918173	AA	CC	CC	INTERGENIC		
SNP_4792B_37918211	Ca_Kabuli_Chr01	NC_021160.1	37918211	TT	CC	CC	INTERGENIC		
SNP_4793B_37918296	Ca_Kabuli_Chr01	NC_021160.1	37918296	CC	TT	TT	INTERGENIC		
SNP_4794B_37925953	Ca_Kabuli_Chr01	NC_021160.1	37925953	AA	GG	GG	INTERGENIC		
SNP_4795B_37925988	Ca_Kabuli_Chr01	NC_021160.1	37925988	TT	CC	CC	INTERGENIC		
SNP_4797B_37927070	Ca_Kabuli_Chr01	NC_021160.1	37927070	GG	TT	TT	INTERGENIC		
SNP_4798B_37927110	Ca_Kabuli_Chr01	NC_021160.1	37927110	CC	TT	TT	INTERGENIC		
SNP_4799B_37927127	Ca_Kabuli_Chr01	NC_021160.1	37927127	TT	CC	CC	INTERGENIC		
SNP_4800B_37927130	Ca_Kabuli_Chr01	NC_021160.1	37927130	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_4801B_37927207	Ca_Kabuli_Chr01	NC_021160.1	37927207	GG	AA	AA	INTERGENIC		
SNP_4802B_37927227	Ca_Kabuli_Chr01	NC_021160.1	37927227	GG	AA	AA	INTERGENIC		
SNP_4803B_37927230	Ca_Kabuli_Chr01	NC_021160.1	37927230	AA	GG	GG	INTERGENIC		
SNP_4804B_37927234	Ca_Kabuli_Chr01	NC_021160.1	37927234	AA	GG	GG	INTERGENIC		
SNP_4805B_37927235	Ca_Kabuli_Chr01	NC_021160.1	37927235	AA	GG	GG	INTERGENIC		
SNP_4806B_37927252	Ca_Kabuli_Chr01	NC_021160.1	37927252	TT	CC	CC	INTERGENIC		
SNP_4807B_37927306	Ca_Kabuli_Chr01	NC_021160.1	37927306	CC	GG	GG	INTERGENIC		
SNP_4809B_37927384	Ca_Kabuli_Chr01	NC_021160.1	37927384	GG	CC	CC	INTERGENIC		
SNP_4810B_37927393	Ca_Kabuli_Chr01	NC_021160.1	37927393	TT	AA	AA	INTERGENIC		
SNP_4811B_37927577	Ca_Kabuli_Chr01	NC_021160.1	37927577	CC	GG	GG	INTERGENIC		
SNP_4812B_37927609	Ca_Kabuli_Chr01	NC_021160.1	37927609	CC	GG	GG	INTERGENIC		
SNP_4813B_37927658	Ca_Kabuli_Chr01	NC_021160.1	37927658	TT	AA	AA	INTERGENIC		
SNP_4814B_37927679	Ca_Kabuli_Chr01	NC_021160.1	37927679	TT	CC	CC	INTERGENIC		
SNP_4815B_37927711	Ca_Kabuli_Chr01	NC_021160.1	37927711	TT	AA	AA	INTERGENIC		
SNP_4816B_37927731	Ca_Kabuli_Chr01	NC_021160.1	37927731	AA	CC	CC	INTERGENIC		
SNP_4817B_37927772	Ca_Kabuli_Chr01	NC_021160.1	37927772	AA	GG	GG	INTERGENIC		
SNP_4818B_37927801	Ca_Kabuli_Chr01	NC_021160.1	37927801	AA	GG	GG	INTERGENIC		
SNP_4819B_37927829	Ca_Kabuli_Chr01	NC_021160.1	37927829	AA	TT	TT	INTERGENIC		
SNP_4821B_37927978	Ca_Kabuli_Chr01	NC_021160.1	37927978	GG	AA	AA	INTERGENIC		
SNP_4822B_37928063	Ca_Kabuli_Chr01	NC_021160.1	37928063	TT	GG	GG	INTERGENIC		
SNP_4823B_37928138	Ca_Kabuli_Chr01	NC_021160.1	37928138	CC	TT	TT	INTERGENIC		
SNP_4824B_37928144	Ca_Kabuli_Chr01	NC_021160.1	37928144	CC	TT	TT	INTERGENIC		
SNP_4825B_37928164	Ca_Kabuli_Chr01	NC_021160.1	37928164	AA	TT	TT	INTERGENIC		
SNP_4826B_37928384	Ca_Kabuli_Chr01	NC_021160.1	37928384	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_4827B_37928398	Ca_Kabuli_Chr01	NC_021160.1	37928398	AA	GG	GG	INTERGENIC		
SNP_4828B_37928617	Ca_Kabuli_Chr01	NC_021160.1	37928617	CC	AA	AA	INTERGENIC		
SNP_4829B_37928712	Ca_Kabuli_Chr01	NC_021160.1	37928712	AA	GG	GG	INTERGENIC		
SNP_4830B_37928887	Ca_Kabuli_Chr01	NC_021160.1	37928887	CC	TT	TT	INTERGENIC		
SNP_4831B_37928919	Ca_Kabuli_Chr01	NC_021160.1	37928919	AA	CC	CC	INTERGENIC		
SNP_4832B_37929028	Ca_Kabuli_Chr01	NC_021160.1	37929028	GG	TT	TT	INTERGENIC		
SNP_4833B_37929079	Ca_Kabuli_Chr01	NC_021160.1	37929079	CC	AA	AA	INTERGENIC		
SNP_4834B_37929215	Ca_Kabuli_Chr01	NC_021160.1	37929215	CC	TT	TT	INTERGENIC		
SNP_4835B_37929221	Ca_Kabuli_Chr01	NC_021160.1	37929221	CC	GG	GG	INTERGENIC		
SNP_4836B_37929247	Ca_Kabuli_Chr01	NC_021160.1	37929247	GG	TT	TT	INTERGENIC		
SNP_4837B_37929322	Ca_Kabuli_Chr01	NC_021160.1	37929322	GG	TT	TT	INTERGENIC		
SNP_4838B_37929608	Ca_Kabuli_Chr01	NC_021160.1	37929608	AA	GG	GG	INTERGENIC		
SNP_4839B_37929621	Ca_Kabuli_Chr01	NC_021160.1	37929621	CC	AA	AA	INTERGENIC		
SNP_4840B_37929639	Ca_Kabuli_Chr01	NC_021160.1	37929639	CC	GG	GG	INTERGENIC		
SNP_4841B_37929641	Ca_Kabuli_Chr01	NC_021160.1	37929641	AA	GG	GG	INTERGENIC		
SNP_4843B_37929749	Ca_Kabuli_Chr01	NC_021160.1	37929749	TT	GG	GG	INTERGENIC		
SNP_4845B_37929847	Ca_Kabuli_Chr01	NC_021160.1	37929847	AA	TT	TT	INTERGENIC		
SNP_4846B_37929865	Ca_Kabuli_Chr01	NC_021160.1	37929865	TT	CC	CC	INTERGENIC		
SNP_4847B_37929913	Ca_Kabuli_Chr01	NC_021160.1	37929913	AA	TT	TT	INTERGENIC		
SNP_4848B_37930051	Ca_Kabuli_Chr01	NC_021160.1	37930051	AA	TT	TT	INTERGENIC		
SNP_4849B_37930064	Ca_Kabuli_Chr01	NC_021160.1	37930064	CC	AA	AA	INTERGENIC		
SNP_4850B_37930199	Ca_Kabuli_Chr01	NC_021160.1	37930199	AA	TT	TT	INTERGENIC		
SNP_4851B_37930205	Ca_Kabuli_Chr01	NC_021160.1	37930205	CC	TT	TT	INTERGENIC		
SNP_4852B_37930255	Ca_Kabuli_Chr01	NC_021160.1	37930255	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_4853B_37930303	Ca_Kabuli_Chr01	NC_021160.1	37930303	AA	GG	GG	INTERGENIC		
SNP_4854B_37935887	Ca_Kabuli_Chr01	NC_021160.1	37935887	AA	GG	GG	INTERGENIC		
SNP_4855B_37936129	Ca_Kabuli_Chr01	NC_021160.1	37936129	GG	TT	TT	INTERGENIC		
SNP_4856B_37948041	Ca_Kabuli_Chr01	NC_021160.1	37948041	CC	AA	AA	INTERGENIC		
SNP_4857B_37948105	Ca_Kabuli_Chr01	NC_021160.1	37948105	CC	GG	GG	INTERGENIC		
SNP_4858B_37948651	Ca_Kabuli_Chr01	NC_021160.1	37948651	AA	TT	TT	INTERGENIC		
SNP_4859B_37948683	Ca_Kabuli_Chr01	NC_021160.1	37948683	CC	AA	AA	INTERGENIC		
SNP_4861B_37954400	Ca_Kabuli_Chr01	NC_021160.1	37954400	CC	TT	TT	INTERGENIC		
SNP_4862B_37954566	Ca_Kabuli_Chr01	NC_021160.1	37954566	CC	TT	TT	INTERGENIC		
SNP_4863B_37954586	Ca_Kabuli_Chr01	NC_021160.1	37954586	AA	GG	GG	INTERGENIC		
SNP_4864B_37993289	Ca_Kabuli_Chr01	NC_021160.1	37993289	TT	CC	CC	INTERGENIC		
SNP_4865B_37993340	Ca_Kabuli_Chr01	NC_021160.1	37993340	GG	AA	AA	INTERGENIC		
SNP_4866B_37993382	Ca_Kabuli_Chr01	NC_021160.1	37993382	CC	TT	TT	INTERGENIC		
SNP_4867B_37993407	Ca_Kabuli_Chr01	NC_021160.1	37993407	AA	GG	GG	INTERGENIC		
SNP_4868B_37993447	Ca_Kabuli_Chr01	NC_021160.1	37993447	CC	TT	TT	INTERGENIC		
SNP_4870B_37993864	Ca_Kabuli_Chr01	NC_021160.1	37993864	AA	CC	CC	INTERGENIC		
SNP_4871B_38022056	Ca_Kabuli_Chr01	NC_021160.1	38022056	TT	CC	CC	INTRON	101514834	Unknown function
SNP_4872B_38022106	Ca_Kabuli_Chr01	NC_021160.1	38022106	AA	GG	GG	INTRON	101514834	Unknown function
SNP_4873B_38022128	Ca_Kabuli_Chr01	NC_021160.1	38022128	AA	GG	GG	INTRON	101514834	Unknown function
SNP_4874B_38022160	Ca_Kabuli_Chr01	NC_021160.1	38022160	GG	AA	AA	INTRON	101514834	Unknown function
SNP_4875B_38022212	Ca_Kabuli_Chr01	NC_021160.1	38022212	GG	AA	AA	INTRON	101514834	Unknown function
SNP_4876B_38022517	Ca_Kabuli_Chr01	NC_021160.1	38022517	CC	TT	TT	SYNONYMOUS_CODING	101514834	Unknown function
SNP_4877B_38022519	Ca_Kabuli_Chr01	NC_021160.1	38022519	GG	AA	AA	NON_SYNONYMOUS_CODING	101514834	Unknown function
SNP_4878B_38022536	Ca_Kabuli_Chr01	NC_021160.1	38022536	CC	GG	GG	NON_SYNONYMOUS_CODING	101514834	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_4879B_38022542	Ca_Kabuli_Chr01	NC_021160.1	38022542	CC	AA	AA	NON_SYNONYMOUS_CODING	101514834	Unknown function
SNP_4880B_38022554	Ca_Kabuli_Chr01	NC_021160.1	38022554	CC	TT	TT	SYNONYMOUS_CODING	101514834	Unknown function
SNP_4881B_38065005	Ca_Kabuli_Chr01	NC_021160.1	38065005	GG	AA	AA	INTERGENIC		
SNP_4882B_38065060	Ca_Kabuli_Chr01	NC_021160.1	38065060	GG	AA	AA	INTERGENIC		
SNP_4883B_38065284	Ca_Kabuli_Chr01	NC_021160.1	38065284	TT	CC	CC	DRR	101410590	transfer RNA aspartic acid (anticodon GUC)
SNP_4884B_38065291	Ca_Kabuli_Chr01	NC_021160.1	38065291	GG	TT	TT	DRR	101410590	transfer RNA aspartic acid (anticodon GUC)
SNP_4885B_38065884	Ca_Kabuli_Chr01	NC_021160.1	38065884	AA	GG	GG	DRR	101410590	transfer RNA aspartic acid (anticodon GUC)
SNP_4886B_38066127	Ca_Kabuli_Chr01	NC_021160.1	38066127	CC	GG	GG	DRR	101410555	transfer RNA isoleucine (anticodon AAU)
SNP_4887B_38066224	Ca_Kabuli_Chr01	NC_021160.1	38066224	GG	AA	AA	URR	101410590	transfer RNA aspartic acid (anticodon GUC)
SNP_4888B_38066629	Ca_Kabuli_Chr01	NC_021160.1	38066629	TT	GG	GG	URR	101410590	transfer RNA aspartic acid (anticodon GUC)
SNP_4889B_38066745	Ca_Kabuli_Chr01	NC_021160.1	38066745	TT	CC	CC	URR	101410590	transfer RNA aspartic acid (anticodon GUC)
SNP_4890B_38067177	Ca_Kabuli_Chr01	NC_021160.1	38067177	AA	TT	TT	URR	101410590	transfer RNA aspartic acid (anticodon GUC)
SNP_4891B_38067288	Ca_Kabuli_Chr01	NC_021160.1	38067288	AA	CC	CC	URR	101410590	transfer RNA aspartic acid (anticodon GUC)
SNP_4892B_38067743	Ca_Kabuli_Chr01	NC_021160.1	38067743	GG	AA	AA	URR	101410590	transfer RNA aspartic acid (anticodon GUC)
SNP_4893B_38069896	Ca_Kabuli_Chr01	NC_021160.1	38069896	CC	TT	TT	INTERGENIC		
SNP_4894B_38069917	Ca_Kabuli_Chr01	NC_021160.1	38069917	AA	GG	GG	INTERGENIC		
SNP_4895B_38070062	Ca_Kabuli_Chr01	NC_021160.1	38070062	AA	TT	TT	INTERGENIC		
SNP_4896B_38070572	Ca_Kabuli_Chr01	NC_021160.1	38070572	CC	GG	GG	INTERGENIC		
SNP_4897B_38070584	Ca_Kabuli_Chr01	NC_021160.1	38070584	TT	GG	GG	INTERGENIC		
SNP_4899B_38070843	Ca_Kabuli_Chr01	NC_021160.1	38070843	TT	CC	CC	INTERGENIC		
SNP_4902B_38071652	Ca_Kabuli_Chr01	NC_021160.1	38071652	TT	CC	CC	INTERGENIC		
SNP_4903B_38089084	Ca_Kabuli_Chr01	NC_021160.1	38089084	AA	GG	GG	INTERGENIC		
SNP_4904B_38105369	Ca_Kabuli_Chr01	NC_021160.1	38105369	AA	GG	GG	INTERGENIC		
SNP_4905B_38105410	Ca_Kabuli_Chr01	NC_021160.1	38105410	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_4906B_38105429	Ca_Kabuli_Chr01	NC_021160.1	38105429	CC	TT	TT	INTERGENIC		
SNP_4907B_38105996	Ca_Kabuli_Chr01	NC_021160.1	38105996	GG	AA	AA	INTERGENIC		
SNP_4908B_38106513	Ca_Kabuli_Chr01	NC_021160.1	38106513	TT	CC	CC	INTERGENIC		
SNP_4909B_38116430	Ca_Kabuli_Chr01	NC_021160.1	38116430	CC	TT	TT	INTERGENIC		
SNP_4910B_38126506	Ca_Kabuli_Chr01	NC_021160.1	38126506	GG	AA	AA	INTERGENIC		
SNP_4911B_38126753	Ca_Kabuli_Chr01	NC_021160.1	38126753	AA	GG	GG	DRR	101504214	endochitinase A-like
SNP_4912B_38127001	Ca_Kabuli_Chr01	NC_021160.1	38127001	TT	CC	CC	DRR	101504214	endochitinase A-like
SNP_4913B_38127026	Ca_Kabuli_Chr01	NC_021160.1	38127026	CC	TT	TT	DRR	101504214	endochitinase A-like
SNP_4915B_38130613	Ca_Kabuli_Chr01	NC_021160.1	38130613	AA	CC	CC	INTERGENIC		
SNP_4917B_38134339	Ca_Kabuli_Chr01	NC_021160.1	38134339	AA	GG	GG	INTERGENIC		
SNP_4918B_38143625	Ca_Kabuli_Chr01	NC_021160.1	38143625	TT	CC	CC	INTERGENIC		
SNP_4921B_38148421	Ca_Kabuli_Chr01	NC_021160.1	38148421	CC	TT	TT	INTERGENIC		
SNP_4922B_38148541	Ca_Kabuli_Chr01	NC_021160.1	38148541	AA	TT	TT	INTERGENIC		
SNP_4923B_38150454	Ca_Kabuli_Chr01	NC_021160.1	38150454	GG	AA	AA	INTERGENIC		
SNP_4924B_38177665	Ca_Kabuli_Chr01	NC_021160.1	38177665	CC	TT	TT	INTERGENIC		
SNP_4925B_38177701	Ca_Kabuli_Chr01	NC_021160.1	38177701	AA	CC	CC	INTERGENIC		
SNP_4926B_38179886	Ca_Kabuli_Chr01	NC_021160.1	38179886	TT	CC	CC	INTERGENIC		
SNP_4927B_38179898	Ca_Kabuli_Chr01	NC_021160.1	38179898	GG	AA	AA	INTERGENIC		
SNP_4928B_38180189	Ca_Kabuli_Chr01	NC_021160.1	38180189	CC	TT	TT	INTERGENIC		
SNP_4929B_38182743	Ca_Kabuli_Chr01	NC_021160.1	38182743	GG	AA	AA	INTERGENIC		
SNP_4930B_38182752	Ca_Kabuli_Chr01	NC_021160.1	38182752	GG	AA	AA	INTERGENIC		
SNP_4931B_38189317	Ca_Kabuli_Chr01	NC_021160.1	38189317	GG	TT	TT	INTERGENIC		
SNP_4932B_38191354	Ca_Kabuli_Chr01	NC_021160.1	38191354	TT	CC	CC	INTERGENIC		
SNP_4933B_38201951	Ca_Kabuli_Chr01	NC_021160.1	38201951	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_4934B_38201975	Ca_Kabuli_Chr01	NC_021160.1	38201975	GG	AA	AA	INTERGENIC		
SNP_4935B_38203110	Ca_Kabuli_Chr01	NC_021160.1	38203110	AA	GG	GG	INTERGENIC		
SNP_4936B_38203391	Ca_Kabuli_Chr01	NC_021160.1	38203391	CC	GG	GG	INTERGENIC		
SNP_4937B_38214881	Ca_Kabuli_Chr01	NC_021160.1	38214881	CC	GG	GG	INTERGENIC		
SNP_4938B_38214884	Ca_Kabuli_Chr01	NC_021160.1	38214884	AA	TT	TT	INTERGENIC		
SNP_4939B_38226172	Ca_Kabuli_Chr01	NC_021160.1	38226172	TT	CC	CC	URR	101488683	VQ motif-containing protein 25-like
SNP_4940B_38226178	Ca_Kabuli_Chr01	NC_021160.1	38226178	TT	AA	AA	URR	101488683	VQ motif-containing protein 25-like
SNP_4941B_38226400	Ca_Kabuli_Chr01	NC_021160.1	38226400	CC	GG	GG	URR	101488683	VQ motif-containing protein 25-like
SNP_4942B_38228612	Ca_Kabuli_Chr01	NC_021160.1	38228612	GG	TT	TT	INTERGENIC		
SNP_4943B_38242060	Ca_Kabuli_Chr01	NC_021160.1	38242060	TT	GG	GG	INTERGENIC		
SNP_4944B_38242066	Ca_Kabuli_Chr01	NC_021160.1	38242066	TT	CC	CC	INTERGENIC		
SNP_4945B_38242415	Ca_Kabuli_Chr01	NC_021160.1	38242415	AA	GG	GG	INTERGENIC		
SNP_4946B_38242479	Ca_Kabuli_Chr01	NC_021160.1	38242479	AA	GG	GG	INTERGENIC		
SNP_4947B_38244385	Ca_Kabuli_Chr01	NC_021160.1	38244385	GG	AA	AA	INTERGENIC		
SNP_4948B_38248668	Ca_Kabuli_Chr01	NC_021160.1	38248668	GG	CC	CC	INTERGENIC		
SNP_4949B_38262655	Ca_Kabuli_Chr01	NC_021160.1	38262655	AA	GG	GG	INTERGENIC		
SNP_4950B_38266136	Ca_Kabuli_Chr01	NC_021160.1	38266136	TT	CC	CC	INTERGENIC		
SNP_4951B_38273910	Ca_Kabuli_Chr01	NC_021160.1	38273910	TT	AA	AA	URR	101489349	E3 ubiquitin-protein ligase RING1-like
SNP_4952B_38273911	Ca_Kabuli_Chr01	NC_021160.1	38273911	TT	AA	AA	URR	101489349	E3 ubiquitin-protein ligase RING1-like
SNP_4953B_38274100	Ca_Kabuli_Chr01	NC_021160.1	38274100	TT	AA	AA	URR	101489349	E3 ubiquitin-protein ligase RING1-like
SNP_4954B_38274278	Ca_Kabuli_Chr01	NC_021160.1	38274278	AA	TT	TT	URR	101489349	E3 ubiquitin-protein ligase RING1-like
SNP_4955B_38274292	Ca_Kabuli_Chr01	NC_021160.1	38274292	TT	GG	GG	URR	101489349	E3 ubiquitin-protein ligase RING1-like
SNP_4957B_38284286	Ca_Kabuli_Chr01	NC_021160.1	38284286	TT	CC	CC	INTERGENIC		
SNP_4958B_38284482	Ca_Kabuli_Chr01	NC_021160.1	38284482	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_4959B_38284506	Ca_Kabuli_Chr01	NC_021160.1	38284506	AA	TT	TT	INTERGENIC		
SNP_4960B_38284548	Ca_Kabuli_Chr01	NC_021160.1	38284548	TT	CC	CC	INTERGENIC		
SNP_4961B_38286322	Ca_Kabuli_Chr01	NC_021160.1	38286322	GG	AA	AA	INTERGENIC		
SNP_4963B_38316505	Ca_Kabuli_Chr01	NC_021160.1	38316505	AA	CC	CC	INTERGENIC		
SNP_4964B_38317234	Ca_Kabuli_Chr01	NC_021160.1	38317234	AA	GG	GG	INTERGENIC		
SNP_4965B_38320437	Ca_Kabuli_Chr01	NC_021160.1	38320437	TT	CC	CC	INTERGENIC		
SNP_4966B_38322044	Ca_Kabuli_Chr01	NC_021160.1	38322044	CC	TT	TT	INTERGENIC		
SNP_4967B_38322050	Ca_Kabuli_Chr01	NC_021160.1	38322050	CC	AA	AA	INTERGENIC		
SNP_4968B_38322052	Ca_Kabuli_Chr01	NC_021160.1	38322052	AA	GG	GG	INTERGENIC		
SNP_4969B_38322058	Ca_Kabuli_Chr01	NC_021160.1	38322058	TT	GG	GG	INTERGENIC		
SNP_4970B_38322068	Ca_Kabuli_Chr01	NC_021160.1	38322068	CC	AA	AA	INTERGENIC		
SNP_4971B_38338703	Ca_Kabuli_Chr01	NC_021160.1	38338703	AA	GG	GG	URR	101490214	uncharacterized LOC101490214
SNP_4972B_38342113	Ca_Kabuli_Chr01	NC_021160.1	38342113	AA	GG	GG	INTERGENIC		
SNP_4973B_38342474	Ca_Kabuli_Chr01	NC_021160.1	38342474	TT	GG	GG	INTERGENIC		
SNP_4974B_38342494	Ca_Kabuli_Chr01	NC_021160.1	38342494	TT	CC	CC	INTERGENIC		
SNP_4975B_38342585	Ca_Kabuli_Chr01	NC_021160.1	38342585	GG	TT	TT	INTERGENIC		
SNP_4976B_38342845	Ca_Kabuli_Chr01	NC_021160.1	38342845	AA	GG	GG	INTERGENIC		
SNP_4977B_38346178	Ca_Kabuli_Chr01	NC_021160.1	38346178	TT	CC	CC	URR	101490534	uncharacterized LOC101490534
SNP_4978B_38349217	Ca_Kabuli_Chr01	NC_021160.1	38349217	CC	TT	TT	INTERGENIC		
SNP_4979B_38352641	Ca_Kabuli_Chr01	NC_021160.1	38352641	GG	AA	AA	INTERGENIC		
SNP_4980B_38358467	Ca_Kabuli_Chr01	NC_021160.1	38358467	CC	TT	TT	INTERGENIC		
SNP_4982B_38360381	Ca_Kabuli_Chr01	NC_021160.1	38360381	CC	AA	AA	INTERGENIC		
SNP_4983B_38360410	Ca_Kabuli_Chr01	NC_021160.1	38360410	CC	GG	GG	INTERGENIC		
SNP_4984B_38389337	Ca_Kabuli_Chr01	NC_021160.1	38389337	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_4985B_38393063	Ca_Kabuli_Chr01	NC_021160.1	38393063	TT	CC	CC	SYNONYMOUS_CODING	101505825	Unknown function
SNP_4986B_38420937	Ca_Kabuli_Chr01	NC_021160.1	38420937	GG	AA	AA	INTRON	101505825	Unknown function
SNP_4987B_38426687	Ca_Kabuli_Chr01	NC_021160.1	38426687	AA	GG	GG	URR	101505825	Unknown function
SNP_4988B_38442796	Ca_Kabuli_Chr01	NC_021160.1	38442796	CC	TT	TT	INTERGENIC		
SNP_4989B_38448745	Ca_Kabuli_Chr01	NC_021160.1	38448745	GG	AA	AA	INTERGENIC		
SNP_4990B_38463331	Ca_Kabuli_Chr01	NC_021160.1	38463331	AA	GG	GG	INTERGENIC		
SNP_4991B_38479384	Ca_Kabuli_Chr01	NC_021160.1	38479384	TT	AA	AA	INTERGENIC		
SNP_4992B_38484573	Ca_Kabuli_Chr01	NC_021160.1	38484573	TT	CC	CC	DRR	101492370	uncharacterized LOC101492370
SNP_4994B_38523238	Ca_Kabuli_Chr01	NC_021160.1	38523238	TT	CC	CC	INTERGENIC		
SNP_4995B_38524375	Ca_Kabuli_Chr01	NC_021160.1	38524375	CC	TT	TT	INTERGENIC		
SNP_4996B_38535455	Ca_Kabuli_Chr01	NC_021160.1	38535455	GG	AA	AA	INTERGENIC		
SNP_4997B_38537518	Ca_Kabuli_Chr01	NC_021160.1	38537518	GG	AA	AA	INTERGENIC		
SNP_4998B_38539139	Ca_Kabuli_Chr01	NC_021160.1	38539139	AA	GG	GG	INTERGENIC		
SNP_4999B_38539389	Ca_Kabuli_Chr01	NC_021160.1	38539389	GG	CC	CC	INTERGENIC		
SNP_5000B_38547819	Ca_Kabuli_Chr01	NC_021160.1	38547819	AA	GG	GG	INTERGENIC		
SNP_5001B_38548932	Ca_Kabuli_Chr01	NC_021160.1	38548932	AA	GG	GG	INTERGENIC		
SNP_5002B_38562495	Ca_Kabuli_Chr01	NC_021160.1	38562495	TT	CC	CC	URR	101506797	disease resistance protein RGA2-like
SNP_5003B_38563877	Ca_Kabuli_Chr01	NC_021160.1	38563877	TT	CC	CC	URR	101506797	disease resistance protein RGA2-like
SNP_5005B_38571122	Ca_Kabuli_Chr01	NC_021160.1	38571122	AA	GG	GG	INTERGENIC		
SNP_5006B_38571828	Ca_Kabuli_Chr01	NC_021160.1	38571828	CC	TT	TT	INTERGENIC		
SNP_5007B_38576552	Ca_Kabuli_Chr01	NC_021160.1	38576552	AA	GG	GG	INTERGENIC		
SNP_5009B_38597989	Ca_Kabuli_Chr01	NC_021160.1	38597989	TT	AA	AA	DRR	101507134	uncharacterized LOC101507134
SNP_5011B_38631476	Ca_Kabuli_Chr01	NC_021160.1	38631476	AA	CC	CC	INTERGENIC		
SNP_5013B_38638532	Ca_Kabuli_Chr01	NC_021160.1	38638532	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_5014B_38650667	Ca_Kabuli_Chr01	NC_021160.1	38650667	TT	CC	CC	INTERGENIC		
SNP_5015B_38650966	Ca_Kabuli_Chr01	NC_021160.1	38650966	TT	CC	CC	INTERGENIC		
SNP_5016B_38651048	Ca_Kabuli_Chr01	NC_021160.1	38651048	TT	CC	CC	INTERGENIC		
SNP_5017B_38651082	Ca_Kabuli_Chr01	NC_021160.1	38651082	CC	TT	TT	INTERGENIC		
SNP_5018B_38651092	Ca_Kabuli_Chr01	NC_021160.1	38651092	AA	GG	GG	INTERGENIC		
SNP_5019B_38651098	Ca_Kabuli_Chr01	NC_021160.1	38651098	AA	CC	CC	INTERGENIC		
SNP_5020B_38651137	Ca_Kabuli_Chr01	NC_021160.1	38651137	GG	TT	TT	INTERGENIC		
SNP_5021B_38651237	Ca_Kabuli_Chr01	NC_021160.1	38651237	TT	CC	CC	INTERGENIC		
SNP_5022B_38651832	Ca_Kabuli_Chr01	NC_021160.1	38651832	TT	CC	CC	INTERGENIC		
SNP_5023B_38651833	Ca_Kabuli_Chr01	NC_021160.1	38651833	CC	TT	TT	INTERGENIC		
SNP_5024B_38652079	Ca_Kabuli_Chr01	NC_021160.1	38652079	AA	GG	GG	INTERGENIC		
SNP_5026B_38659057	Ca_Kabuli_Chr01	NC_021160.1	38659057	CC	GG	GG	INTERGENIC		
SNP_5027B_38660681	Ca_Kabuli_Chr01	NC_021160.1	38660681	TT	AA	AA	INTERGENIC		
SNP_5029B_38671155	Ca_Kabuli_Chr01	NC_021160.1	38671155	AA	GG	GG	INTERGENIC		
SNP_5030B_38677173	Ca_Kabuli_Chr01	NC_021160.1	38677173	GG	TT	TT	INTERGENIC		
SNP_5031B_38677343	Ca_Kabuli_Chr01	NC_021160.1	38677343	AA	CC	CC	INTERGENIC		
SNP_5032B_38677402	Ca_Kabuli_Chr01	NC_021160.1	38677402	AA	CC	CC	INTERGENIC		
SNP_5033B_38677414	Ca_Kabuli_Chr01	NC_021160.1	38677414	CC	TT	TT	INTERGENIC		
SNP_5034B_38677420	Ca_Kabuli_Chr01	NC_021160.1	38677420	GG	AA	AA	INTERGENIC		
SNP_5035B_38677449	Ca_Kabuli_Chr01	NC_021160.1	38677449	AA	GG	GG	INTERGENIC		
SNP_5036B_38677476	Ca_Kabuli_Chr01	NC_021160.1	38677476	AA	GG	GG	INTERGENIC		
SNP_5037B_38677496	Ca_Kabuli_Chr01	NC_021160.1	38677496	AA	CC	CC	INTERGENIC		
SNP_5038B_38677514	Ca_Kabuli_Chr01	NC_021160.1	38677514	AA	GG	GG	INTERGENIC		
SNP_5039B_38677534	Ca_Kabuli_Chr01	NC_021160.1	38677534	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_5040B_38677577	Ca_Kabuli_Chr01	NC_021160.1	38677577	AA	GG	GG	INTERGENIC		
SNP_5041B_38677591	Ca_Kabuli_Chr01	NC_021160.1	38677591	AA	GG	GG	INTERGENIC		
SNP_5042B_38677622	Ca_Kabuli_Chr01	NC_021160.1	38677622	AA	CC	CC	INTERGENIC		
SNP_5043B_38677646	Ca_Kabuli_Chr01	NC_021160.1	38677646	TT	CC	CC	INTERGENIC		
SNP_5044B_38715112	Ca_Kabuli_Chr01	NC_021160.1	38715112	AA	TT	TT	INTERGENIC		
SNP_5045B_38733196	Ca_Kabuli_Chr01	NC_021160.1	38733196	GG	TT	TT	INTERGENIC		
SNP_5047B_38736414	Ca_Kabuli_Chr01	NC_021160.1	38736414	CC	TT	TT	INTERGENIC		
SNP_5048B_38736426	Ca_Kabuli_Chr01	NC_021160.1	38736426	AA	GG	GG	INTERGENIC		
SNP_5049B_38736435	Ca_Kabuli_Chr01	NC_021160.1	38736435	CC	AA	AA	INTERGENIC		
SNP_5050B_38737796	Ca_Kabuli_Chr01	NC_021160.1	38737796	AA	CC	CC	DRR	101493684	uncharacterized LOC101493684
SNP_5051B_38740718	Ca_Kabuli_Chr01	NC_021160.1	38740718	CC	GG	GG	INTRON	101493684	uncharacterized LOC101493684
SNP_5052B_38744096	Ca_Kabuli_Chr01	NC_021160.1	38744096	AA	CC	CC	INTERGENIC		
SNP_5053B_38751165	Ca_Kabuli_Chr01	NC_021160.1	38751165	GG	AA	AA	INTERGENIC		
SNP_5054B_38751199	Ca_Kabuli_Chr01	NC_021160.1	38751199	AA	TT	TT	INTERGENIC		
SNP_5056B_38752688	Ca_Kabuli_Chr01	NC_021160.1	38752688	CC	TT	TT	INTERGENIC		
SNP_5057B_38752717	Ca_Kabuli_Chr01	NC_021160.1	38752717	GG	AA	AA	INTERGENIC		
SNP_5058B_38754840	Ca_Kabuli_Chr01	NC_021160.1	38754840	TT	GG	GG	DRR	101508398	Unknown function
SNP_5059B_38754853	Ca_Kabuli_Chr01	NC_021160.1	38754853	TT	AA	AA	DRR	101508398	Unknown function
SNP_5060B_38755789	Ca_Kabuli_Chr01	NC_021160.1	38755789	AA	TT	TT	NON_SYNONYMOUS_CODING	101508398	Unknown function
SNP_5061B_38765056	Ca_Kabuli_Chr01	NC_021160.1	38765056	AA	TT	TT	INTERGENIC		
SNP_5062B_38770243	Ca_Kabuli_Chr01	NC_021160.1	38770243	CC	AA	AA	INTERGENIC		
SNP_5063B_38770244	Ca_Kabuli_Chr01	NC_021160.1	38770244	AA	TT	TT	INTERGENIC		
SNP_5065B_38773884	Ca_Kabuli_Chr01	NC_021160.1	38773884	TT	CC	CC	INTERGENIC		
SNP_5066B_38774012	Ca_Kabuli_Chr01	NC_021160.1	38774012	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_5067B_38774194	Ca_Kabuli_Chr01	NC_021160.1	38774194	TT	AA	AA	INTERGENIC		
SNP_5068B_38774262	Ca_Kabuli_Chr01	NC_021160.1	38774262	CC	TT	TT	INTERGENIC		
SNP_5069B_38774274	Ca_Kabuli_Chr01	NC_021160.1	38774274	TT	CC	CC	INTERGENIC		
SNP_5070B_38776199	Ca_Kabuli_Chr01	NC_021160.1	38776199	TT	AA	AA	INTERGENIC		
SNP_5071B_38776209	Ca_Kabuli_Chr01	NC_021160.1	38776209	TT	CC	CC	INTERGENIC		
SNP_5072B_38776230	Ca_Kabuli_Chr01	NC_021160.1	38776230	TT	GG	GG	INTERGENIC		
SNP_5073B_38800633	Ca_Kabuli_Chr01	NC_021160.1	38800633	TT	AA	AA	INTERGENIC		
SNP_5074B_38811946	Ca_Kabuli_Chr01	NC_021160.1	38811946	CC	AA	AA	NON_SYNONYMOUS_CODING	101509026	Unknown function
SNP_5075B_38811964	Ca_Kabuli_Chr01	NC_021160.1	38811964	CC	TT	TT	NON_SYNONYMOUS_CODING	101509026	Unknown function
SNP_5076B_38811965	Ca_Kabuli_Chr01	NC_021160.1	38811965	AA	GG	GG	SYNONYMOUS_CODING	101509026	Unknown function
SNP_5077B_38813346	Ca_Kabuli_Chr01	NC_021160.1	38813346	AA	GG	GG	URR	101509026	Unknown function
SNP_5078B_38841443	Ca_Kabuli_Chr01	NC_021160.1	38841443	TT	GG	GG	INTERGENIC		
SNP_5079B_38841491	Ca_Kabuli_Chr01	NC_021160.1	38841491	AA	GG	GG	INTERGENIC		
SNP_5080B_38847274	Ca_Kabuli_Chr01	NC_021160.1	38847274	CC	TT	TT	INTERGENIC		
SNP_5081B_38853256	Ca_Kabuli_Chr01	NC_021160.1	38853256	CC	TT	TT	INTERGENIC		
SNP_5082B_38873860	Ca_Kabuli_Chr01	NC_021160.1	38873860	TT	CC	CC	INTERGENIC		
SNP_5084B_38875631	Ca_Kabuli_Chr01	NC_021160.1	38875631	GG	AA	AA	INTERGENIC		
SNP_5087B_38886603	Ca_Kabuli_Chr01	NC_021160.1	38886603	CC	TT	TT	INTERGENIC		
SNP_5088B_38886632	Ca_Kabuli_Chr01	NC_021160.1	38886632	AA	GG	GG	INTERGENIC		
SNP_5089B_38886848	Ca_Kabuli_Chr01	NC_021160.1	38886848	GG	AA	AA	INTERGENIC		
SNP_5090B_38894879	Ca_Kabuli_Chr01	NC_021160.1	38894879	TT	AA	AA	INTERGENIC		
SNP_5091B_38897499	Ca_Kabuli_Chr01	NC_021160.1	38897499	AA	GG	GG	INTERGENIC		
SNP_5092B_38914834	Ca_Kabuli_Chr01	NC_021160.1	38914834	GG	TT	TT	INTRON	101509991	non-specific lipid-transfer protein 1-like
SNP_5093B_38914841	Ca_Kabuli_Chr01	NC_021160.1	38914841	TT	AA	AA	INTRON	101509991	non-specific lipid-transfer protein 1-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_5094B_38914851	Ca_Kabuli_Chr01	NC_021160.1	38914851	TT	CC	CC	INTRON	101509991	non-specific lipid-transfer protein 1-like
SNP_5095B_38917237	Ca_Kabuli_Chr01	NC_021160.1	38917237	TT	AA	AA	INTERGENIC		
SNP_5096B_38919267	Ca_Kabuli_Chr01	NC_021160.1	38919267	TT	CC	CC	INTERGENIC		
SNP_5097B_38921725	Ca_Kabuli_Chr01	NC_021160.1	38921725	GG	TT	TT	INTERGENIC		
SNP_5098B_38923552	Ca_Kabuli_Chr01	NC_021160.1	38923552	AA	GG	GG	INTERGENIC		
SNP_5099B_38942638	Ca_Kabuli_Chr01	NC_021160.1	38942638	CC	AA	AA	INTERGENIC		
SNP_5100B_38943000	Ca_Kabuli_Chr01	NC_021160.1	38943000	GG	TT	TT	INTERGENIC		
SNP_5101B_38944752	Ca_Kabuli_Chr01	NC_021160.1	38944752	AA	CC	CC	INTERGENIC		
SNP_5102B_38948311	Ca_Kabuli_Chr01	NC_021160.1	38948311	AA	GG	GG	INTERGENIC		
SNP_5103B_38948627	Ca_Kabuli_Chr01	NC_021160.1	38948627	TT	AA	AA	INTERGENIC		
SNP_5104B_38948675	Ca_Kabuli_Chr01	NC_021160.1	38948675	GG	AA	AA	INTERGENIC		
SNP_5105B_38949715	Ca_Kabuli_Chr01	NC_021160.1	38949715	GG	AA	AA	INTERGENIC		
SNP_5106B_39002482	Ca_Kabuli_Chr01	NC_021160.1	39002482	CC	TT	TT	INTERGENIC		
SNP_5107B_39002532	Ca_Kabuli_Chr01	NC_021160.1	39002532	GG	CC	CC	INTERGENIC		
SNP_5108B_39003776	Ca_Kabuli_Chr01	NC_021160.1	39003776	TT	CC	CC	INTERGENIC		
SNP_5109B_39007275	Ca_Kabuli_Chr01	NC_021160.1	39007275	AA	GG	GG	INTERGENIC		
SNP_5110B_39020771	Ca_Kabuli_Chr01	NC_021160.1	39020771	GG	AA	AA	INTERGENIC		
SNP_5111B_39025304	Ca_Kabuli_Chr01	NC_021160.1	39025304	CC	TT	TT	INTERGENIC		
SNP_5112B_39025307	Ca_Kabuli_Chr01	NC_021160.1	39025307	CC	TT	TT	INTERGENIC		
SNP_5114B_39042562	Ca_Kabuli_Chr01	NC_021160.1	39042562	GG	AA	AA	INTERGENIC		
SNP_5115B_39051000	Ca_Kabuli_Chr01	NC_021160.1	39051000	AA	GG	GG	INTERGENIC		
SNP_5116B_39051202	Ca_Kabuli_Chr01	NC_021160.1	39051202	TT	CC	CC	INTERGENIC		
SNP_5117B_39051214	Ca_Kabuli_Chr01	NC_021160.1	39051214	AA	CC	CC	INTERGENIC		
SNP_5118B_39051233	Ca_Kabuli_Chr01	NC_021160.1	39051233	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_5119B_39051236	Ca_Kabuli_Chr01	NC_021160.1	39051236	AA	GG	GG	INTERGENIC		
SNP_5120B_39051244	Ca_Kabuli_Chr01	NC_021160.1	39051244	AA	CC	CC	INTERGENIC		
SNP_5121B_39051247	Ca_Kabuli_Chr01	NC_021160.1	39051247	AA	CC	CC	INTERGENIC		
SNP_5122B_39051277	Ca_Kabuli_Chr01	NC_021160.1	39051277	AA	GG	GG	INTERGENIC		
SNP_5123B_39051316	Ca_Kabuli_Chr01	NC_021160.1	39051316	TT	CC	CC	INTERGENIC		
SNP_5124B_39051318	Ca_Kabuli_Chr01	NC_021160.1	39051318	TT	GG	GG	INTERGENIC		
SNP_5125B_39051336	Ca_Kabuli_Chr01	NC_021160.1	39051336	GG	TT	TT	INTERGENIC		
SNP_5126B_39051420	Ca_Kabuli_Chr01	NC_021160.1	39051420	TT	AA	AA	INTERGENIC		
SNP_5127B_39051434	Ca_Kabuli_Chr01	NC_021160.1	39051434	AA	CC	CC	INTERGENIC		
SNP_5128B_39051438	Ca_Kabuli_Chr01	NC_021160.1	39051438	GG	AA	AA	INTERGENIC		
SNP_5129B_39051466	Ca_Kabuli_Chr01	NC_021160.1	39051466	CC	AA	AA	INTERGENIC		
SNP_5130B_39051468	Ca_Kabuli_Chr01	NC_021160.1	39051468	GG	TT	TT	INTERGENIC		
SNP_5131B_39065011	Ca_Kabuli_Chr01	NC_021160.1	39065011	TT	CC	CC	INTERGENIC		
SNP_5132B_39065015	Ca_Kabuli_Chr01	NC_021160.1	39065015	CC	TT	TT	INTERGENIC		
SNP_5133B_39072875	Ca_Kabuli_Chr01	NC_021160.1	39072875	AA	TT	TT	INTERGENIC		
SNP_5134B_39073309	Ca_Kabuli_Chr01	NC_021160.1	39073309	GG	CC	CC	INTERGENIC		
SNP_5135B_39073417	Ca_Kabuli_Chr01	NC_021160.1	39073417	TT	AA	AA	INTERGENIC		
SNP_5136B_39073734	Ca_Kabuli_Chr01	NC_021160.1	39073734	TT	AA	AA	INTERGENIC		
SNP_5137B_39074435	Ca_Kabuli_Chr01	NC_021160.1	39074435	TT	GG	GG	INTERGENIC		
SNP_5138B_39074798	Ca_Kabuli_Chr01	NC_021160.1	39074798	AA	CC	CC	INTERGENIC		
SNP_5139B_39074856	Ca_Kabuli_Chr01	NC_021160.1	39074856	CC	TT	TT	INTERGENIC		
SNP_5140B_39074878	Ca_Kabuli_Chr01	NC_021160.1	39074878	AA	TT	TT	INTERGENIC		
SNP_5141B_39074881	Ca_Kabuli_Chr01	NC_021160.1	39074881	AA	TT	TT	INTERGENIC		
SNP_5142B_39074897	Ca_Kabuli_Chr01	NC_021160.1	39074897	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_5143B_39074908	Ca_Kabuli_Chr01	NC_021160.1	39074908	TT	CC	CC	INTERGENIC		
SNP_5144B_39074919	Ca_Kabuli_Chr01	NC_021160.1	39074919	GG	TT	TT	INTERGENIC		
SNP_5145B_39074930	Ca_Kabuli_Chr01	NC_021160.1	39074930	CC	TT	TT	INTERGENIC		
SNP_5146B_39075192	Ca_Kabuli_Chr01	NC_021160.1	39075192	CC	TT	TT	INTERGENIC		
SNP_5147B_39078015	Ca_Kabuli_Chr01	NC_021160.1	39078015	TT	CC	CC	INTERGENIC		
SNP_5148B_39083207	Ca_Kabuli_Chr01	NC_021160.1	39083207	GG	TT	TT	INTERGENIC		
SNP_5149B_39099779	Ca_Kabuli_Chr01	NC_021160.1	39099779	AA	TT	TT	INTERGENIC		
SNP_5150B_39100067	Ca_Kabuli_Chr01	NC_021160.1	39100067	AA	CC	CC	INTERGENIC		
SNP_5151B_39100380	Ca_Kabuli_Chr01	NC_021160.1	39100380	AA	GG	GG	INTERGENIC		
SNP_5152B_39100390	Ca_Kabuli_Chr01	NC_021160.1	39100390	AA	GG	GG	INTERGENIC		
SNP_5153B_39100628	Ca_Kabuli_Chr01	NC_021160.1	39100628	TT	CC	CC	INTERGENIC		
SNP_5154B_39101157	Ca_Kabuli_Chr01	NC_021160.1	39101157	TT	CC	CC	INTERGENIC		
SNP_5156B_39105157	Ca_Kabuli_Chr01	NC_021160.1	39105157	AA	CC	CC	INTERGENIC		
SNP_5157B_39105183	Ca_Kabuli_Chr01	NC_021160.1	39105183	GG	CC	CC	INTERGENIC		
SNP_5158B_39105210	Ca_Kabuli_Chr01	NC_021160.1	39105210	AA	GG	GG	INTERGENIC		
SNP_5159B_39105217	Ca_Kabuli_Chr01	NC_021160.1	39105217	TT	CC	CC	INTERGENIC		
SNP_5160B_39105246	Ca_Kabuli_Chr01	NC_021160.1	39105246	AA	GG	GG	INTERGENIC		
SNP_5161B_39118819	Ca_Kabuli_Chr01	NC_021160.1	39118819	TT	GG	GG	INTERGENIC		
SNP_5162B_39118834	Ca_Kabuli_Chr01	NC_021160.1	39118834	TT	CC	CC	INTERGENIC		
SNP_5163B_39119058	Ca_Kabuli_Chr01	NC_021160.1	39119058	AA	CC	CC	INTERGENIC		
SNP_5164B_39126083	Ca_Kabuli_Chr01	NC_021160.1	39126083	TT	AA	AA	INTERGENIC		
SNP_5165B_39138457	Ca_Kabuli_Chr01	NC_021160.1	39138457	AA	GG	GG	INTERGENIC		
SNP_5166B_39138465	Ca_Kabuli_Chr01	NC_021160.1	39138465	AA	CC	CC	INTERGENIC		
SNP_5167B_39138466	Ca_Kabuli_Chr01	NC_021160.1	39138466	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_5168B_39138623	Ca_Kabuli_Chr01	NC_021160.1	39138623	AA	GG	GG	INTERGENIC		
SNP_5169B_39138649	Ca_Kabuli_Chr01	NC_021160.1	39138649	CC	TT	TT	INTERGENIC		
SNP_5170B_39138650	Ca_Kabuli_Chr01	NC_021160.1	39138650	AA	CC	CC	INTERGENIC		
SNP_5171B_39138698	Ca_Kabuli_Chr01	NC_021160.1	39138698	CC	TT	TT	INTERGENIC		
SNP_5172B_39138715	Ca_Kabuli_Chr01	NC_021160.1	39138715	GG	AA	AA	INTERGENIC		
SNP_5173B_39138728	Ca_Kabuli_Chr01	NC_021160.1	39138728	TT	CC	CC	INTERGENIC		
SNP_5174B_39138747	Ca_Kabuli_Chr01	NC_021160.1	39138747	AA	TT	TT	INTERGENIC		
SNP_5175B_39138755	Ca_Kabuli_Chr01	NC_021160.1	39138755	TT	CC	CC	INTERGENIC		
SNP_5176B_39138759	Ca_Kabuli_Chr01	NC_021160.1	39138759	AA	CC	CC	INTERGENIC		
SNP_5177B_39138787	Ca_Kabuli_Chr01	NC_021160.1	39138787	CC	TT	TT	INTERGENIC		
SNP_5178B_39138863	Ca_Kabuli_Chr01	NC_021160.1	39138863	TT	CC	CC	INTERGENIC		
SNP_5179B_39139025	Ca_Kabuli_Chr01	NC_021160.1	39139025	GG	AA	AA	INTERGENIC		
SNP_5180B_39139032	Ca_Kabuli_Chr01	NC_021160.1	39139032	CC	TT	TT	INTERGENIC		
SNP_5181B_39139080	Ca_Kabuli_Chr01	NC_021160.1	39139080	AA	TT	TT	INTERGENIC		
SNP_5182B_39139087	Ca_Kabuli_Chr01	NC_021160.1	39139087	GG	CC	CC	INTERGENIC		
SNP_5183B_39139097	Ca_Kabuli_Chr01	NC_021160.1	39139097	TT	CC	CC	INTERGENIC		
SNP_5184B_39139110	Ca_Kabuli_Chr01	NC_021160.1	39139110	AA	TT	TT	INTERGENIC		
SNP_5185B_39139146	Ca_Kabuli_Chr01	NC_021160.1	39139146	AA	TT	TT	INTERGENIC		
SNP_5186B_39139159	Ca_Kabuli_Chr01	NC_021160.1	39139159	AA	CC	CC	INTERGENIC		
SNP_5187B_39139230	Ca_Kabuli_Chr01	NC_021160.1	39139230	GG	TT	TT	INTERGENIC		
SNP_5188B_39139275	Ca_Kabuli_Chr01	NC_021160.1	39139275	GG	AA	AA	INTERGENIC		
SNP_5189B_39140389	Ca_Kabuli_Chr01	NC_021160.1	39140389	AA	CC	CC	INTERGENIC		
SNP_5190B_39140455	Ca_Kabuli_Chr01	NC_021160.1	39140455	CC	GG	GG	INTERGENIC		
SNP_5191B_39140473	Ca_Kabuli_Chr01	NC_021160.1	39140473	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_5192B_39140520	Ca_Kabuli_Chr01	NC_021160.1	39140520	TT	CC	CC	INTERGENIC		
SNP_5193B_39140654	Ca_Kabuli_Chr01	NC_021160.1	39140654	CC	TT	TT	INTERGENIC		
SNP_5194B_39140797	Ca_Kabuli_Chr01	NC_021160.1	39140797	TT	AA	AA	INTERGENIC		
SNP_5195B_39140802	Ca_Kabuli_Chr01	NC_021160.1	39140802	CC	AA	AA	INTERGENIC		
SNP_5196B_39141081	Ca_Kabuli_Chr01	NC_021160.1	39141081	TT	CC	CC	INTERGENIC		
SNP_5197B_39141092	Ca_Kabuli_Chr01	NC_021160.1	39141092	CC	TT	TT	INTERGENIC		
SNP_5199B_39144305	Ca_Kabuli_Chr01	NC_021160.1	39144305	CC	GG	GG	INTRON	101494633	non-specific lipid-transfer protein 8
SNP_5200B_39149669	Ca_Kabuli_Chr01	NC_021160.1	39149669	AA	GG	GG	INTERGENIC		
SNP_5201B_39149980	Ca_Kabuli_Chr01	NC_021160.1	39149980	TT	CC	CC	INTERGENIC		
SNP_5202B_39149999	Ca_Kabuli_Chr01	NC_021160.1	39149999	AA	CC	CC	INTERGENIC		
SNP_5204B_39150039	Ca_Kabuli_Chr01	NC_021160.1	39150039	TT	CC	CC	INTERGENIC		
SNP_5205B_39161233	Ca_Kabuli_Chr01	NC_021160.1	39161233	GG	TT	TT	SYNONYMOUS_CODING	101511276	cucumisin-like
SNP_5206B_39166535	Ca_Kabuli_Chr01	NC_021160.1	39166535	GG	AA	AA	INTERGENIC		
SNP_5207B_39166570	Ca_Kabuli_Chr01	NC_021160.1	39166570	AA	TT	TT	INTERGENIC		
SNP_5208B_39166600	Ca_Kabuli_Chr01	NC_021160.1	39166600	CC	AA	AA	INTERGENIC		
SNP_5209B_39166634	Ca_Kabuli_Chr01	NC_021160.1	39166634	CC	GG	GG	INTERGENIC		
SNP_5210B_39166660	Ca_Kabuli_Chr01	NC_021160.1	39166660	CC	TT	TT	INTERGENIC		
SNP_5211B_39166704	Ca_Kabuli_Chr01	NC_021160.1	39166704	GG	CC	CC	INTERGENIC		
SNP_5212B_39166980	Ca_Kabuli_Chr01	NC_021160.1	39166980	AA	GG	GG	INTERGENIC		
SNP_5213B_39227909	Ca_Kabuli_Chr01	NC_021160.1	39227909	TT	AA	AA	INTERGENIC		
SNP_5214B_39240369	Ca_Kabuli_Chr01	NC_021160.1	39240369	CC	TT	TT	INTERGENIC		
SNP_5215B_39261348	Ca_Kabuli_Chr01	NC_021160.1	39261348	AA	GG	GG	INTERGENIC		
SNP_5216B_39261356	Ca_Kabuli_Chr01	NC_021160.1	39261356	GG	AA	AA	INTERGENIC		
SNP_5218B_39262032	Ca_Kabuli_Chr01	NC_021160.1	39262032	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_5219B_39262095	Ca_Kabuli_Chr01	NC_021160.1	39262095	CC	GG	GG	INTERGENIC		
SNP_5220B_39262114	Ca_Kabuli_Chr01	NC_021160.1	39262114	AA	TT	TT	INTERGENIC		
SNP_5221B_39262138	Ca_Kabuli_Chr01	NC_021160.1	39262138	AA	TT	TT	INTERGENIC		
SNP_5222B_39262440	Ca_Kabuli_Chr01	NC_021160.1	39262440	GG	AA	AA	INTERGENIC		
SNP_5223B_39264722	Ca_Kabuli_Chr01	NC_021160.1	39264722	AA	CC	CC	INTERGENIC		
SNP_5224B_39264950	Ca_Kabuli_Chr01	NC_021160.1	39264950	TT	CC	CC	INTERGENIC		
SNP_5225B_39265052	Ca_Kabuli_Chr01	NC_021160.1	39265052	GG	AA	AA	INTERGENIC		
SNP_5226B_39265224	Ca_Kabuli_Chr01	NC_021160.1	39265224	CC	GG	GG	INTERGENIC		
SNP_5227B_39265303	Ca_Kabuli_Chr01	NC_021160.1	39265303	CC	TT	TT	INTERGENIC		
SNP_5228B_39268793	Ca_Kabuli_Chr01	NC_021160.1	39268793	GG	AA	AA	INTERGENIC		
SNP_5229B_39275470	Ca_Kabuli_Chr01	NC_021160.1	39275470	GG	AA	AA	INTERGENIC		
SNP_5230B_39281418	Ca_Kabuli_Chr01	NC_021160.1	39281418	CC	TT	TT	INTERGENIC		
SNP_5231B_39294685	Ca_Kabuli_Chr01	NC_021160.1	39294685	AA	GG	GG	INTERGENIC		
SNP_5232B_39311243	Ca_Kabuli_Chr01	NC_021160.1	39311243	CC	TT	TT	INTERGENIC		
SNP_5233B_39317717	Ca_Kabuli_Chr01	NC_021160.1	39317717	TT	GG	GG	INTERGENIC		
SNP_5234B_39318092	Ca_Kabuli_Chr01	NC_021160.1	39318092	TT	GG	GG	INTERGENIC		
SNP_5236B_39334436	Ca_Kabuli_Chr01	NC_021160.1	39334436	GG	TT	TT	INTERGENIC		
SNP_5237B_39334579	Ca_Kabuli_Chr01	NC_021160.1	39334579	TT	CC	CC	INTERGENIC		
SNP_5238B_39334585	Ca_Kabuli_Chr01	NC_021160.1	39334585	TT	AA	AA	INTERGENIC		
SNP_5239B_39334810	Ca_Kabuli_Chr01	NC_021160.1	39334810	AA	GG	GG	INTERGENIC		
SNP_5240B_39334812	Ca_Kabuli_Chr01	NC_021160.1	39334812	GG	AA	AA	INTERGENIC		
SNP_5241B_39334823	Ca_Kabuli_Chr01	NC_021160.1	39334823	AA	CC	CC	INTERGENIC		
SNP_5243B_39334835	Ca_Kabuli_Chr01	NC_021160.1	39334835	AA	TT	TT	INTERGENIC		
SNP_5244B_39334869	Ca_Kabuli_Chr01	NC_021160.1	39334869	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_5245B_39366286	Ca_Kabuli_Chr01	NC_021160.1	39366286	GG	AA	AA	INTRON	101512250	Unknown function
SNP_5246B_39386977	Ca_Kabuli_Chr01	NC_021160.1	39386977	TT	CC	CC	INTERGENIC		
SNP_5247B_39387026	Ca_Kabuli_Chr01	NC_021160.1	39387026	TT	GG	GG	INTERGENIC		
SNP_5248B_39389924	Ca_Kabuli_Chr01	NC_021160.1	39389924	TT	CC	CC	INTERGENIC		
SNP_5249B_39389940	Ca_Kabuli_Chr01	NC_021160.1	39389940	GG	AA	AA	INTERGENIC		
SNP_5250B_39390705	Ca_Kabuli_Chr01	NC_021160.1	39390705	CC	TT	TT	INTERGENIC		
SNP_5251B_39401147	Ca_Kabuli_Chr01	NC_021160.1	39401147	TT	GG	GG	INTERGENIC		
SNP_5252B_39402387	Ca_Kabuli_Chr01	NC_021160.1	39402387	GG	AA	AA	INTERGENIC		
SNP_5253B_39407258	Ca_Kabuli_Chr01	NC_021160.1	39407258	AA	GG	GG	URR	101512886	uncharacterized LOC101512886
SNP_5254B_39411629	Ca_Kabuli_Chr01	NC_021160.1	39411629	GG	AA	AA	INTERGENIC		
SNP_5255B_39415361	Ca_Kabuli_Chr01	NC_021160.1	39415361	CC	TT	TT	INTERGENIC		
SNP_5256B_39424444	Ca_Kabuli_Chr01	NC_021160.1	39424444	GG	AA	AA	INTERGENIC		
SNP_5257B_39424470	Ca_Kabuli_Chr01	NC_021160.1	39424470	CC	TT	TT	INTERGENIC		
SNP_5259B_39430519	Ca_Kabuli_Chr01	NC_021160.1	39430519	TT	CC	CC	INTERGENIC		
SNP_5260B_39431622	Ca_Kabuli_Chr01	NC_021160.1	39431622	CC	GG	GG	INTERGENIC		
SNP_5261B_39431662	Ca_Kabuli_Chr01	NC_021160.1	39431662	TT	GG	GG	INTERGENIC		
SNP_5262B_39431852	Ca_Kabuli_Chr01	NC_021160.1	39431852	AA	GG	GG	INTERGENIC		
SNP_5265B_39433329	Ca_Kabuli_Chr01	NC_021160.1	39433329	GG	AA	AA	URR	101495600	myosin-12
SNP_5267B_39434262	Ca_Kabuli_Chr01	NC_021160.1	39434262	AA	GG	GG	INTRON	101495600	myosin-12
SNP_5268B_39434519	Ca_Kabuli_Chr01	NC_021160.1	39434519	TT	AA	AA	INTRON	101495600	myosin-12
SNP_5269B_39441360	Ca_Kabuli_Chr01	NC_021160.1	39441360	TT	CC	CC	SYNONYMOUS_CODING	101495600	myosin-12
SNP_5270B_39442784	Ca_Kabuli_Chr01	NC_021160.1	39442784	TT	CC	CC	INTRON	101495600	myosin-12
SNP_5272B_39445828	Ca_Kabuli_Chr01	NC_021160.1	39445828	GG	CC	CC	INTRON	101495600	myosin-12
SNP_5273B_39445839	Ca_Kabuli_Chr01	NC_021160.1	39445839	TT	GG	GG	INTRON	101495600	myosin-12

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_5274B_39446756	Ca_Kabuli_Chr01	NC_021160.1	39446756	CC	TT	TT	URR	101495600	myosin-12
SNP_5278B_39452376	Ca_Kabuli_Chr01	NC_021160.1	39452376	TT	CC	CC	INTRON	101496367	uncharacterized LOC101496367
SNP_5279B_39455748	Ca_Kabuli_Chr01	NC_021160.1	39455748	TT	CC	CC	INTRON	101496367	uncharacterized LOC101496367
SNP_5280B_39455800	Ca_Kabuli_Chr01	NC_021160.1	39455800	TT	CC	CC	INTRON	101496367	uncharacterized LOC101496367
SNP_5281B_39456535	Ca_Kabuli_Chr01	NC_021160.1	39456535	TT	GG	GG	INTERGENIC		
SNP_5282B_39456537	Ca_Kabuli_Chr01	NC_021160.1	39456537	TT	GG	GG	INTERGENIC		
SNP_5283B_39457753	Ca_Kabuli_Chr01	NC_021160.1	39457753	CC	TT	TT	INTERGENIC		
SNP_5284B_39458077	Ca_Kabuli_Chr01	NC_021160.1	39458077	TT	CC	CC	INTERGENIC		
SNP_5285B_39458081	Ca_Kabuli_Chr01	NC_021160.1	39458081	GG	AA	AA	INTERGENIC		
SNP_5286B_39458123	Ca_Kabuli_Chr01	NC_021160.1	39458123	TT	CC	CC	INTERGENIC		
SNP_5287B_39458183	Ca_Kabuli_Chr01	NC_021160.1	39458183	TT	GG	GG	INTERGENIC		
SNP_5288B_39459073	Ca_Kabuli_Chr01	NC_021160.1	39459073	CC	AA	AA	INTERGENIC		
SNP_5289B_39461072	Ca_Kabuli_Chr01	NC_021160.1	39461072	GG	CC	CC	INTERGENIC		
SNP_5291B_39464048	Ca_Kabuli_Chr01	NC_021160.1	39464048	AA	CC	CC	INTERGENIC		
SNP_5292B_39464073	Ca_Kabuli_Chr01	NC_021160.1	39464073	TT	GG	GG	INTERGENIC		
SNP_5293B_39483768	Ca_Kabuli_Chr01	NC_021160.1	39483768	GG	TT	TT	INTERGENIC		
SNP_5294B_39488085	Ca_Kabuli_Chr01	NC_021160.1	39488085	AA	GG	GG	INTERGENIC		
SNP_5295B_39488140	Ca_Kabuli_Chr01	NC_021160.1	39488140	TT	GG	GG	INTERGENIC		
SNP_5296B_39488339	Ca_Kabuli_Chr01	NC_021160.1	39488339	CC	TT	TT	INTERGENIC		
SNP_5297B_39489281	Ca_Kabuli_Chr01	NC_021160.1	39489281	TT	AA	AA	INTERGENIC		
SNP_5298B_39494124	Ca_Kabuli_Chr01	NC_021160.1	39494124	AA	GG	GG	INTERGENIC		
SNP_5299B_39497032	Ca_Kabuli_Chr01	NC_021160.1	39497032	TT	GG	GG	INTERGENIC		
SNP_5302B_39511703	Ca_Kabuli_Chr01	NC_021160.1	39511703	TT	CC	CC	INTERGENIC		
SNP_5303B_39516171	Ca_Kabuli_Chr01	NC_021160.1	39516171	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_5304B_39518284	Ca_Kabuli_Chr01	NC_021160.1	39518284	AA	GG	GG	INTERGENIC		
SNP_5305B_39528889	Ca_Kabuli_Chr01	NC_021160.1	39528889	AA	TT	TT	INTERGENIC		
SNP_5306B_39529164	Ca_Kabuli_Chr01	NC_021160.1	39529164	CC	GG	GG	INTERGENIC		
SNP_5307B_39547376	Ca_Kabuli_Chr01	NC_021160.1	39547376	CC	TT	TT	INTERGENIC		
SNP_5308B_39550681	Ca_Kabuli_Chr01	NC_021160.1	39550681	CC	TT	TT	INTERGENIC		
SNP_5309B_39552305	Ca_Kabuli_Chr01	NC_021160.1	39552305	AA	CC	CC	INTERGENIC		
SNP_5310B_39552336	Ca_Kabuli_Chr01	NC_021160.1	39552336	TT	CC	CC	INTERGENIC		
SNP_5311B_39552408	Ca_Kabuli_Chr01	NC_021160.1	39552408	TT	CC	CC	INTERGENIC		
SNP_5312B_39552452	Ca_Kabuli_Chr01	NC_021160.1	39552452	AA	GG	GG	INTERGENIC		
SNP_5313B_39552482	Ca_Kabuli_Chr01	NC_021160.1	39552482	TT	CC	CC	INTERGENIC		
SNP_5314B_39552526	Ca_Kabuli_Chr01	NC_021160.1	39552526	AA	GG	GG	INTERGENIC		
SNP_5315B_39552748	Ca_Kabuli_Chr01	NC_021160.1	39552748	TT	CC	CC	INTERGENIC		
SNP_5316B_39552759	Ca_Kabuli_Chr01	NC_021160.1	39552759	TT	CC	CC	INTERGENIC		
SNP_5317B_39552989	Ca_Kabuli_Chr01	NC_021160.1	39552989	CC	GG	GG	INTERGENIC		
SNP_5318B_39554304	Ca_Kabuli_Chr01	NC_021160.1	39554304	GG	AA	AA	INTERGENIC		
SNP_5319B_39556922	Ca_Kabuli_Chr01	NC_021160.1	39556922	AA	GG	GG	INTERGENIC		
SNP_5320B_39557347	Ca_Kabuli_Chr01	NC_021160.1	39557347	TT	CC	CC	INTERGENIC		
SNP_5321B_39565139	Ca_Kabuli_Chr01	NC_021160.1	39565139	GG	CC	CC	INTERGENIC		
SNP_5322B_39569455	Ca_Kabuli_Chr01	NC_021160.1	39569455	AA	GG	GG	INTERGENIC		
SNP_5323B_39569808	Ca_Kabuli_Chr01	NC_021160.1	39569808	TT	CC	CC	INTERGENIC		
SNP_5324B_39570842	Ca_Kabuli_Chr01	NC_021160.1	39570842	CC	TT	TT	INTERGENIC		
SNP_5325B_39571934	Ca_Kabuli_Chr01	NC_021160.1	39571934	GG	AA	AA	INTERGENIC		
SNP_5326B_39575413	Ca_Kabuli_Chr01	NC_021160.1	39575413	GG	AA	AA	INTERGENIC		
SNP_5327B_39575435	Ca_Kabuli_Chr01	NC_021160.1	39575435	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_5328B_39578141	Ca_Kabuli_Chr01	NC_021160.1	39578141	TT	GG	GG	INTERGENIC		
SNP_5329B_39581578	Ca_Kabuli_Chr01	NC_021160.1	39581578	GG	TT	TT	INTERGENIC		
SNP_5330B_39582084	Ca_Kabuli_Chr01	NC_021160.1	39582084	GG	AA	AA	INTERGENIC		
SNP_5331B_39590412	Ca_Kabuli_Chr01	NC_021160.1	39590412	TT	CC	CC	INTERGENIC		
SNP_5332B_39591557	Ca_Kabuli_Chr01	NC_021160.1	39591557	AA	GG	GG	INTERGENIC		
SNP_5333B_39593553	Ca_Kabuli_Chr01	NC_021160.1	39593553	GG	AA	AA	INTERGENIC		
SNP_5334B_39594153	Ca_Kabuli_Chr01	NC_021160.1	39594153	AA	GG	GG	INTERGENIC		
SNP_5335B_39594445	Ca_Kabuli_Chr01	NC_021160.1	39594445	GG	AA	AA	INTERGENIC		
SNP_5336B_39595606	Ca_Kabuli_Chr01	NC_021160.1	39595606	TT	AA	AA	INTERGENIC		
SNP_5337B_39601051	Ca_Kabuli_Chr01	NC_021160.1	39601051	GG	CC	CC	INTERGENIC		
SNP_5338B_39601079	Ca_Kabuli_Chr01	NC_021160.1	39601079	TT	CC	CC	INTERGENIC		
SNP_5339B_39605967	Ca_Kabuli_Chr01	NC_021160.1	39605967	CC	TT	TT	INTERGENIC		
SNP_5340B_39606044	Ca_Kabuli_Chr01	NC_021160.1	39606044	CC	AA	AA	INTERGENIC		
SNP_5342B_39609698	Ca_Kabuli_Chr01	NC_021160.1	39609698	TT	CC	CC	INTERGENIC		
SNP_5343B_39612938	Ca_Kabuli_Chr01	NC_021160.1	39612938	GG	TT	TT	INTRON	101497236	CTP synthase-like
SNP_5344B_39621685	Ca_Kabuli_Chr01	NC_021160.1	39621685	TT	GG	GG	INTERGENIC		
SNP_5345B_39621729	Ca_Kabuli_Chr01	NC_021160.1	39621729	AA	TT	TT	INTERGENIC		
SNP_5346B_39650316	Ca_Kabuli_Chr01	NC_021160.1	39650316	AA	GG	GG	INTERGENIC		
SNP_5348B_39652788	Ca_Kabuli_Chr01	NC_021160.1	39652788	AA	TT	TT	INTERGENIC		
SNP_5349B_39669745	Ca_Kabuli_Chr01	NC_021160.1	39669745	TT	CC	CC	INTERGENIC		
SNP_5350B_39673379	Ca_Kabuli_Chr01	NC_021160.1	39673379	AA	GG	GG	INTERGENIC		
SNP_5353B_39686205	Ca_Kabuli_Chr01	NC_021160.1	39686205	GG	TT	TT	INTERGENIC		
SNP_5354B_39694573	Ca_Kabuli_Chr01	NC_021160.1	39694573	TT	CC	CC	INTERGENIC		
SNP_5355B_39694836	Ca_Kabuli_Chr01	NC_021160.1	39694836	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_5356B_39696647	Ca_Kabuli_Chr01	NC_021160.1	39696647	CC	AA	AA	INTERGENIC		
SNP_5357B_39700012	Ca_Kabuli_Chr01	NC_021160.1	39700012	AA	TT	TT	INTERGENIC		
SNP_5358B_39700450	Ca_Kabuli_Chr01	NC_021160.1	39700450	AA	GG	GG	INTERGENIC		
SNP_5359B_39704478	Ca_Kabuli_Chr01	NC_021160.1	39704478	GG	AA	AA	URR	101515483	uncharacterized LOC101515483
SNP_5360B_39720857	Ca_Kabuli_Chr01	NC_021160.1	39720857	AA	GG	GG	SYNONYMOUS_CODING	101498989	isocitrate dehydrogenase [NADP]-like
SNP_5361B_39725479	Ca_Kabuli_Chr01	NC_021160.1	39725479	AA	GG	GG	INTRON	101498989	isocitrate dehydrogenase [NADP]-like
SNP_5362B_39731001	Ca_Kabuli_Chr01	NC_021160.1	39731001	AA	TT	TT	INTERGENIC		
SNP_5363B_39741364	Ca_Kabuli_Chr01	NC_021160.1	39741364	TT	CC	CC	INTERGENIC		
SNP_5364B_39741367	Ca_Kabuli_Chr01	NC_021160.1	39741367	CC	AA	AA	INTERGENIC		
SNP_5366B_39748799	Ca_Kabuli_Chr01	NC_021160.1	39748799	GG	AA	AA	INTRON	101499624	mediator of RNA polymerase II transcription subunit 22a
SNP_5367B_39768633	Ca_Kabuli_Chr01	NC_021160.1	39768633	CC	TT	TT	INTERGENIC		
SNP_5368B_39776247	Ca_Kabuli_Chr01	NC_021160.1	39776247	GG	AA	AA	INTERGENIC		
SNP_5370B_39801893	Ca_Kabuli_Chr01	NC_021160.1	39801893	AA	GG	GG	INTERGENIC		
SNP_5371B_39801896	Ca_Kabuli_Chr01	NC_021160.1	39801896	AA	CC	CC	INTERGENIC		
SNP_5372B_39802069	Ca_Kabuli_Chr01	NC_021160.1	39802069	CC	TT	TT	INTERGENIC		
SNP_5373B_39811373	Ca_Kabuli_Chr01	NC_021160.1	39811373	GG	AA	AA	INTRON	101488237	Unknown function
SNP_5374B_39837538	Ca_Kabuli_Chr01	NC_021160.1	39837538	CC	TT	TT	INTERGENIC		
SNP_5375B_39837554	Ca_Kabuli_Chr01	NC_021160.1	39837554	GG	TT	TT	INTERGENIC		
SNP_5376B_39837555	Ca_Kabuli_Chr01	NC_021160.1	39837555	CC	TT	TT	INTERGENIC		
SNP_5377B_39837556	Ca_Kabuli_Chr01	NC_021160.1	39837556	TT	CC	CC	INTERGENIC		
SNP_5378B_39837561	Ca_Kabuli_Chr01	NC_021160.1	39837561	AA	CC	CC	INTERGENIC		
SNP_5379B_39837858	Ca_Kabuli_Chr01	NC_021160.1	39837858	GG	AA	AA	INTERGENIC		
SNP_5380B_39842458	Ca_Kabuli_Chr01	NC_021160.1	39842458	GG	AA	AA	INTERGENIC		
SNP_5381B_39843039	Ca_Kabuli_Chr01	NC_021160.1	39843039	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_5382B_39843040	Ca_Kabuli_Chr01	NC_021160.1	39843040	CC	TT	TT	INTERGENIC		
SNP_5383B_39843646	Ca_Kabuli_Chr01	NC_021160.1	39843646	CC	TT	TT	INTERGENIC		
SNP_5386B_39891044	Ca_Kabuli_Chr01	NC_021160.1	39891044	TT	CC	CC	INTERGENIC		
SNP_5387B_39913649	Ca_Kabuli_Chr01	NC_021160.1	39913649	TT	AA	AA	INTERGENIC		
SNP_5388B_39930666	Ca_Kabuli_Chr01	NC_021160.1	39930666	TT	GG	GG	INTRON	101488910	Unknown function
SNP_5389B_39930758	Ca_Kabuli_Chr01	NC_021160.1	39930758	GG	AA	AA	NON_SYNONYMOUS_CODING	101488910	Unknown function
SNP_5390B_39930953	Ca_Kabuli_Chr01	NC_021160.1	39930953	TT	AA	AA	INTRON	101488910	Unknown function
SNP_5391B_39931327	Ca_Kabuli_Chr01	NC_021160.1	39931327	TT	GG	GG	INTRON	101488910	Unknown function
SNP_5392B_39937632	Ca_Kabuli_Chr01	NC_021160.1	39937632	AA	GG	GG	INTERGENIC		
SNP_5393B_39955181	Ca_Kabuli_Chr01	NC_021160.1	39955181	AA	CC	CC	INTERGENIC		
SNP_5395B_39968638	Ca_Kabuli_Chr01	NC_021160.1	39968638	TT	CC	CC	INTERGENIC		
SNP_5396B_39973177	Ca_Kabuli_Chr01	NC_021160.1	39973177	CC	TT	TT	INTERGENIC		
SNP_5397B_39994667	Ca_Kabuli_Chr01	NC_021160.1	39994667	AA	GG	GG	INTERGENIC		
SNP_5398B_39994734	Ca_Kabuli_Chr01	NC_021160.1	39994734	TT	GG	GG	INTERGENIC		
SNP_5399B_40010497	Ca_Kabuli_Chr01	NC_021160.1	40010497	TT	AA	AA	INTERGENIC		
SNP_5400B_40013406	Ca_Kabuli_Chr01	NC_021160.1	40013406	CC	AA	AA	INTERGENIC		
SNP_5401B_40035916	Ca_Kabuli_Chr01	NC_021160.1	40035916	AA	GG	GG	INTERGENIC		
SNP_5402B_40052846	Ca_Kabuli_Chr01	NC_021160.1	40052846	GG	AA	AA	INTERGENIC		
SNP_5403B_40068371	Ca_Kabuli_Chr01	NC_021160.1	40068371	GG	TT	TT	INTERGENIC		
SNP_5404B_40068408	Ca_Kabuli_Chr01	NC_021160.1	40068408	TT	GG	GG	INTERGENIC		
SNP_5405B_40074784	Ca_Kabuli_Chr01	NC_021160.1	40074784	TT	CC	CC	INTERGENIC		
SNP_5407B_40110276	Ca_Kabuli_Chr01	NC_021160.1	40110276	TT	CC	CC	INTERGENIC		
SNP_5408B_40119297	Ca_Kabuli_Chr01	NC_021160.1	40119297	GG	AA	AA	INTERGENIC		
SNP_5409B_40119677	Ca_Kabuli_Chr01	NC_021160.1	40119677	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_5410B_40125403	Ca_Kabuli_Chr01	NC_021160.1	40125403	TT	CC	CC	INTERGENIC		
SNP_5411B_40129065	Ca_Kabuli_Chr01	NC_021160.1	40129065	AA	TT	TT	INTERGENIC		
SNP_5412B_40134782	Ca_Kabuli_Chr01	NC_021160.1	40134782	GG	AA	AA	INTERGENIC		
SNP_5413B_40141855	Ca_Kabuli_Chr01	NC_021160.1	40141855	TT	AA	AA	INTERGENIC		
SNP_5414B_40142184	Ca_Kabuli_Chr01	NC_021160.1	40142184	TT	CC	CC	INTERGENIC		
SNP_5415B_40142188	Ca_Kabuli_Chr01	NC_021160.1	40142188	AA	GG	GG	INTERGENIC		
SNP_5416B_40142220	Ca_Kabuli_Chr01	NC_021160.1	40142220	GG	AA	AA	INTERGENIC		
SNP_5417B_40142251	Ca_Kabuli_Chr01	NC_021160.1	40142251	TT	CC	CC	INTERGENIC		
SNP_5418B_40142259	Ca_Kabuli_Chr01	NC_021160.1	40142259	TT	CC	CC	INTERGENIC		
SNP_5419B_40142680	Ca_Kabuli_Chr01	NC_021160.1	40142680	CC	TT	TT	INTERGENIC		
SNP_5421B_40160252	Ca_Kabuli_Chr01	NC_021160.1	40160252	AA	GG	GG	INTERGENIC		
SNP_5422B_40160261	Ca_Kabuli_Chr01	NC_021160.1	40160261	GG	AA	AA	INTERGENIC		
SNP_5423B_40164962	Ca_Kabuli_Chr01	NC_021160.1	40164962	AA	GG	GG	INTERGENIC		
SNP_5424B_40170244	Ca_Kabuli_Chr01	NC_021160.1	40170244	CC	TT	TT	INTERGENIC		
SNP_5425B_40175851	Ca_Kabuli_Chr01	NC_021160.1	40175851	TT	CC	CC	INTERGENIC		
SNP_5426B_40177196	Ca_Kabuli_Chr01	NC_021160.1	40177196	GG	TT	TT	INTERGENIC		
SNP_5427B_40177715	Ca_Kabuli_Chr01	NC_021160.1	40177715	CC	AA	AA	INTERGENIC		
SNP_5428B_40182362	Ca_Kabuli_Chr01	NC_021160.1	40182362	CC	TT	TT	INTERGENIC		
SNP_5429B_40183044	Ca_Kabuli_Chr01	NC_021160.1	40183044	CC	GG	GG	DRR	101503011	protein ASPARTIC PROTEASE IN GUARD CELL 1
SNP_5430B_40183046	Ca_Kabuli_Chr01	NC_021160.1	40183046	TT	CC	CC	DRR	101503011	protein ASPARTIC PROTEASE IN GUARD CELL 1
SNP_5431B_40183056	Ca_Kabuli_Chr01	NC_021160.1	40183056	TT	CC	CC	DRR	101503011	protein ASPARTIC PROTEASE IN GUARD CELL 1
SNP_5432B_40188938	Ca_Kabuli_Chr01	NC_021160.1	40188938	AA	CC	CC	URR	101503011	protein ASPARTIC PROTEASE IN GUARD CELL 1
SNP_5433B_40206927	Ca_Kabuli_Chr01	NC_021160.1	40206927	AA	GG	GG	INTERGENIC		
SNP_5434B_40209170	Ca_Kabuli_Chr01	NC_021160.1	40209170	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_5435B_40209225	Ca_Kabuli_Chr01	NC_021160.1	40209225	TT	CC	CC	INTERGENIC		
SNP_5436B_40209291	Ca_Kabuli_Chr01	NC_021160.1	40209291	GG	AA	AA	INTERGENIC		
SNP_5437B_40209296	Ca_Kabuli_Chr01	NC_021160.1	40209296	TT	CC	CC	INTERGENIC		
SNP_5438B_40209315	Ca_Kabuli_Chr01	NC_021160.1	40209315	TT	CC	CC	INTERGENIC		
SNP_5439B_40209338	Ca_Kabuli_Chr01	NC_021160.1	40209338	AA	GG	GG	INTERGENIC		
SNP_5440B_40209340	Ca_Kabuli_Chr01	NC_021160.1	40209340	CC	AA	AA	INTERGENIC		
SNP_5441B_40219581	Ca_Kabuli_Chr01	NC_021160.1	40219581	GG	AA	AA	INTRON	101489559	Unknown function
SNP_5442B_40219857	Ca_Kabuli_Chr01	NC_021160.1	40219857	GG	AA	AA	NON_SYNONYMOUS_CODING	101489559	Unknown function
SNP_5443B_40224010	Ca_Kabuli_Chr01	NC_021160.1	40224010	AA	TT	TT	INTERGENIC		
SNP_5444B_40230760	Ca_Kabuli_Chr01	NC_021160.1	40230760	AA	GG	GG	INTERGENIC		
SNP_5445B_40248694	Ca_Kabuli_Chr01	NC_021160.1	40248694	AA	GG	GG	INTERGENIC		
SNP_5446B_40261169	Ca_Kabuli_Chr01	NC_021160.1	40261169	CC	AA	AA	INTERGENIC		
SNP_5447B_40266571	Ca_Kabuli_Chr01	NC_021160.1	40266571	CC	TT	TT	INTERGENIC		
SNP_5448B_40266584	Ca_Kabuli_Chr01	NC_021160.1	40266584	AA	GG	GG	INTERGENIC		
SNP_5449B_40266888	Ca_Kabuli_Chr01	NC_021160.1	40266888	TT	CC	CC	INTERGENIC		
SNP_5450B_40266918	Ca_Kabuli_Chr01	NC_021160.1	40266918	CC	GG	GG	INTERGENIC		
SNP_5451B_40270998	Ca_Kabuli_Chr01	NC_021160.1	40270998	GG	AA	AA	INTERGENIC		
SNP_5452B_40273163	Ca_Kabuli_Chr01	NC_021160.1	40273163	CC	TT	TT	INTERGENIC		
SNP_5453B_40273311	Ca_Kabuli_Chr01	NC_021160.1	40273311	GG	TT	TT	INTERGENIC		
SNP_5454B_40296205	Ca_Kabuli_Chr01	NC_021160.1	40296205	TT	CC	CC	INTERGENIC		
SNP_5455B_40296223	Ca_Kabuli_Chr01	NC_021160.1	40296223	GG	AA	AA	INTERGENIC		
SNP_5457B_40299654	Ca_Kabuli_Chr01	NC_021160.1	40299654	TT	CC	CC	INTERGENIC		
SNP_5458B_40299870	Ca_Kabuli_Chr01	NC_021160.1	40299870	GG	CC	CC	INTERGENIC		
SNP_5459B_40319966	Ca_Kabuli_Chr01	NC_021160.1	40319966	GG	AA	AA	URR	101503337	YTH domain-containing family protein 2

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_5460B_40320157	Ca_Kabuli_Chr01	NC_021160.1	40320157	TT	AA	AA	URR	101503337	YTH domain-containing family protein 2
SNP_5461B_40320184	Ca_Kabuli_Chr01	NC_021160.1	40320184	TT	CC	CC	URR	101503337	YTH domain-containing family protein 2
SNP_5462B_40325034	Ca_Kabuli_Chr01	NC_021160.1	40325034	GG	AA	AA	INTERGENIC		
SNP_5463B_40325968	Ca_Kabuli_Chr01	NC_021160.1	40325968	CC	AA	AA	INTERGENIC		
SNP_5464B_40325993	Ca_Kabuli_Chr01	NC_021160.1	40325993	AA	GG	GG	INTERGENIC		
SNP_5465B_40326525	Ca_Kabuli_Chr01	NC_021160.1	40326525	CC	GG	GG	INTERGENIC		
SNP_5467B_40330045	Ca_Kabuli_Chr01	NC_021160.1	40330045	AA	GG	GG	INTERGENIC		
SNP_5468B_40332968	Ca_Kabuli_Chr01	NC_021160.1	40332968	CC	TT	TT	URR	101490859	uncharacterized LOC101490859
SNP_5469B_40340160	Ca_Kabuli_Chr01	NC_021160.1	40340160	CC	AA	AA	INTRON	101503894	nuclear-pore anchor
SNP_5470B_40340183	Ca_Kabuli_Chr01	NC_021160.1	40340183	TT	CC	CC	INTRON	101503894	nuclear-pore anchor
SNP_5471B_40340212	Ca_Kabuli_Chr01	NC_021160.1	40340212	TT	CC	CC	INTRON	101503894	nuclear-pore anchor
SNP_5472B_40340791	Ca_Kabuli_Chr01	NC_021160.1	40340791	TT	CC	CC	INTRON	101503894	nuclear-pore anchor
SNP_5473B_40345679	Ca_Kabuli_Chr01	NC_021160.1	40345679	TT	CC	CC	INTRON	101503894	nuclear-pore anchor
SNP_5474B_40350639	Ca_Kabuli_Chr01	NC_021160.1	40350639	TT	AA	AA	INTRON	101503894	nuclear-pore anchor
SNP_5475B_40355426	Ca_Kabuli_Chr01	NC_021160.1	40355426	AA	TT	TT	INTRON	101503894	nuclear-pore anchor
SNP_5477B_40357085	Ca_Kabuli_Chr01	NC_021160.1	40357085	CC	TT	TT	INTRON	101503894	nuclear-pore anchor
SNP_5478B_40357098	Ca_Kabuli_Chr01	NC_021160.1	40357098	AA	GG	GG	INTRON	101503894	nuclear-pore anchor
SNP_5479B_40358693	Ca_Kabuli_Chr01	NC_021160.1	40358693	CC	TT	TT	INTRON	101503894	nuclear-pore anchor
SNP_5480B_40363822	Ca_Kabuli_Chr01	NC_021160.1	40363822	AA	CC	CC	INTRON	101503894	nuclear-pore anchor
SNP_5481B_40368684	Ca_Kabuli_Chr01	NC_021160.1	40368684	GG	AA	AA	INTRON	101503894	nuclear-pore anchor
SNP_5482B_40373313	Ca_Kabuli_Chr01	NC_021160.1	40373313	AA	TT	TT	INTERGENIC		
SNP_5483B_40373554	Ca_Kabuli_Chr01	NC_021160.1	40373554	GG	AA	AA	INTERGENIC		
SNP_5484B_40373860	Ca_Kabuli_Chr01	NC_021160.1	40373860	TT	AA	AA	INTERGENIC		
SNP_5485B_40393080	Ca_Kabuli_Chr01	NC_021160.1	40393080	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_5486B_40393102	Ca_Kabuli_Chr01	NC_021160.1	40393102	CC	GG	GG	INTERGENIC		
SNP_5487B_40393945	Ca_Kabuli_Chr01	NC_021160.1	40393945	AA	GG	GG	INTERGENIC		
SNP_5488B_40396244	Ca_Kabuli_Chr01	NC_021160.1	40396244	GG	AA	AA	INTERGENIC		
SNP_5489B_40397169	Ca_Kabuli_Chr01	NC_021160.1	40397169	CC	TT	TT	INTERGENIC		
SNP_5490B_40397232	Ca_Kabuli_Chr01	NC_021160.1	40397232	AA	GG	GG	INTERGENIC		
SNP_5491B_40397237	Ca_Kabuli_Chr01	NC_021160.1	40397237	TT	CC	CC	INTERGENIC		
SNP_5492B_40397474	Ca_Kabuli_Chr01	NC_021160.1	40397474	TT	GG	GG	INTERGENIC		
SNP_5493B_40397875	Ca_Kabuli_Chr01	NC_021160.1	40397875	CC	AA	AA	INTERGENIC		
SNP_5494B_40398192	Ca_Kabuli_Chr01	NC_021160.1	40398192	TT	CC	CC	INTERGENIC		
SNP_5495B_40398256	Ca_Kabuli_Chr01	NC_021160.1	40398256	AA	TT	TT	INTERGENIC		
SNP_5496B_40398371	Ca_Kabuli_Chr01	NC_021160.1	40398371	AA	CC	CC	INTERGENIC		
SNP_5498B_40398393	Ca_Kabuli_Chr01	NC_021160.1	40398393	GG	AA	AA	INTERGENIC		
SNP_5499B_40398405	Ca_Kabuli_Chr01	NC_021160.1	40398405	AA	CC	CC	INTERGENIC		
SNP_5500B_40398414	Ca_Kabuli_Chr01	NC_021160.1	40398414	TT	AA	AA	INTERGENIC		
SNP_5501B_40398635	Ca_Kabuli_Chr01	NC_021160.1	40398635	TT	CC	CC	INTERGENIC		
SNP_5502B_40401933	Ca_Kabuli_Chr01	NC_021160.1	40401933	TT	CC	CC	INTERGENIC		
SNP_5503B_40402364	Ca_Kabuli_Chr01	NC_021160.1	40402364	AA	GG	GG	INTERGENIC		
SNP_5504B_40405224	Ca_Kabuli_Chr01	NC_021160.1	40405224	CC	TT	TT	INTERGENIC		
SNP_5505B_40407751	Ca_Kabuli_Chr01	NC_021160.1	40407751	TT	CC	CC	INTERGENIC		
SNP_5506B_40408455	Ca_Kabuli_Chr01	NC_021160.1	40408455	GG	TT	TT	INTERGENIC		
SNP_5508B_40408549	Ca_Kabuli_Chr01	NC_021160.1	40408549	GG	AA	AA	INTERGENIC		
SNP_5510B_40412294	Ca_Kabuli_Chr01	NC_021160.1	40412294	CC	TT	TT	INTERGENIC		
SNP_5511B_40413722	Ca_Kabuli_Chr01	NC_021160.1	40413722	GG	AA	AA	INTERGENIC		
SNP_5512B_40414088	Ca_Kabuli_Chr01	NC_021160.1	40414088	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_5513B_40417256	Ca_Kabuli_Chr01	NC_021160.1	40417256	TT	CC	CC	INTERGENIC		
SNP_5514B_40422082	Ca_Kabuli_Chr01	NC_021160.1	40422082	AA	GG	GG	INTRON	101491491	probable CCR4-associated factor 1 homolog 11
SNP_5515B_40422741	Ca_Kabuli_Chr01	NC_021160.1	40422741	GG	AA	AA	INTRON	101491491	probable CCR4-associated factor 1 homolog 11
SNP_5517B_40425111	Ca_Kabuli_Chr01	NC_021160.1	40425111	CC	TT	TT	INTRON	101491491	probable CCR4-associated factor 1 homolog 11
SNP_5518B_40425222	Ca_Kabuli_Chr01	NC_021160.1	40425222	AA	CC	CC	INTRON	101491491	probable CCR4-associated factor 1 homolog 11
SNP_5522B_40425617	Ca_Kabuli_Chr01	NC_021160.1	40425617	CC	TT	TT	INTRON	101491491	probable CCR4-associated factor 1 homolog 11
SNP_5523B_40425657	Ca_Kabuli_Chr01	NC_021160.1	40425657	CC	AA	AA	INTRON	101491491	probable CCR4-associated factor 1 homolog 11
SNP_5524B_40444723	Ca_Kabuli_Chr01	NC_021160.1	40444723	GG	AA	AA	INTERGENIC		
SNP_5525B_40445006	Ca_Kabuli_Chr01	NC_021160.1	40445006	TT	CC	CC	INTERGENIC		
SNP_5526B_40483777	Ca_Kabuli_Chr01	NC_021160.1	40483777	AA	GG	GG	INTERGENIC		
SNP_5528B_40538435	Ca_Kabuli_Chr01	NC_021160.1	40538435	CC	AA	AA	INTERGENIC		
SNP_5529B_40543474	Ca_Kabuli_Chr01	NC_021160.1	40543474	TT	AA	AA	INTERGENIC		
SNP_5530B_40543475	Ca_Kabuli_Chr01	NC_021160.1	40543475	AA	TT	TT	INTERGENIC		
SNP_5531B_40543476	Ca_Kabuli_Chr01	NC_021160.1	40543476	AA	TT	TT	INTERGENIC		
SNP_5532B_40543543	Ca_Kabuli_Chr01	NC_021160.1	40543543	CC	TT	TT	INTERGENIC		
SNP_5533B_40543556	Ca_Kabuli_Chr01	NC_021160.1	40543556	AA	CC	CC	INTERGENIC		
SNP_5534B_40674866	Ca_Kabuli_Chr01	NC_021160.1	40674866	TT	AA	AA	INTERGENIC		
SNP_5536B_40747601	Ca_Kabuli_Chr01	NC_021160.1	40747601	TT	AA	AA	INTERGENIC		
SNP_5537B_40747881	Ca_Kabuli_Chr01	NC_021160.1	40747881	GG	CC	CC	INTERGENIC		
SNP_5538B_40785395	Ca_Kabuli_Chr01	NC_021160.1	40785395	TT	CC	CC	INTERGENIC		
SNP_5539B_40801221	Ca_Kabuli_Chr01	NC_021160.1	40801221	AA	GG	GG	INTERGENIC		
SNP_5540B_40801224	Ca_Kabuli_Chr01	NC_021160.1	40801224	TT	CC	CC	INTERGENIC		
SNP_5541B_40814686	Ca_Kabuli_Chr01	NC_021160.1	40814686	TT	CC	CC	INTERGENIC		
SNP_5542B_40814731	Ca_Kabuli_Chr01	NC_021160.1	40814731	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_5543B_40814759	Ca_Kabuli_Chr01	NC_021160.1	40814759	TT	CC	CC	INTERGENIC		
SNP_5544B_40814760	Ca_Kabuli_Chr01	NC_021160.1	40814760	TT	CC	CC	INTERGENIC		
SNP_5545B_40814778	Ca_Kabuli_Chr01	NC_021160.1	40814778	GG	TT	TT	INTERGENIC		
SNP_5546B_40814833	Ca_Kabuli_Chr01	NC_021160.1	40814833	TT	CC	CC	INTERGENIC		
SNP_5547B_40814942	Ca_Kabuli_Chr01	NC_021160.1	40814942	TT	GG	GG	INTERGENIC		
SNP_5548B_40814943	Ca_Kabuli_Chr01	NC_021160.1	40814943	GG	TT	TT	INTERGENIC		
SNP_5549B_40827819	Ca_Kabuli_Chr01	NC_021160.1	40827819	CC	TT	TT	INTERGENIC		
SNP_5550B_40827843	Ca_Kabuli_Chr01	NC_021160.1	40827843	CC	GG	GG	INTERGENIC		
SNP_5551B_40838269	Ca_Kabuli_Chr01	NC_021160.1	40838269	TT	AA	AA	INTERGENIC		
SNP_5552B_40838282	Ca_Kabuli_Chr01	NC_021160.1	40838282	GG	TT	TT	INTERGENIC		
SNP_5553B_40838510	Ca_Kabuli_Chr01	NC_021160.1	40838510	GG	AA	AA	INTERGENIC		
SNP_5554B_40838604	Ca_Kabuli_Chr01	NC_021160.1	40838604	TT	CC	CC	INTERGENIC		
SNP_5555B_40859858	Ca_Kabuli_Chr01	NC_021160.1	40859858	GG	AA	AA	INTERGENIC		
SNP_5556B_40862017	Ca_Kabuli_Chr01	NC_021160.1	40862017	AA	GG	GG	INTERGENIC		
SNP_5557B_40862018	Ca_Kabuli_Chr01	NC_021160.1	40862018	CC	TT	TT	INTERGENIC		
SNP_5558B_40871861	Ca_Kabuli_Chr01	NC_021160.1	40871861	CC	TT	TT	DRR	101499524	chitinase 2-like
SNP_5559B_40871869	Ca_Kabuli_Chr01	NC_021160.1	40871869	AA	CC	CC	DRR	101499524	chitinase 2-like
SNP_5560B_40872330	Ca_Kabuli_Chr01	NC_021160.1	40872330	AA	GG	GG	DRR	101499524	chitinase 2-like
SNP_5561B_40872333	Ca_Kabuli_Chr01	NC_021160.1	40872333	CC	TT	TT	DRR	101499524	chitinase 2-like
SNP_5562B_40872354	Ca_Kabuli_Chr01	NC_021160.1	40872354	TT	GG	GG	DRR	101499524	chitinase 2-like
SNP_5563B_40872402	Ca_Kabuli_Chr01	NC_021160.1	40872402	AA	GG	GG	DRR	101499524	chitinase 2-like
SNP_5564B_40872406	Ca_Kabuli_Chr01	NC_021160.1	40872406	AA	GG	GG	DRR	101499524	chitinase 2-like
SNP_5565B_40872426	Ca_Kabuli_Chr01	NC_021160.1	40872426	AA	GG	GG	DRR	101499524	chitinase 2-like
SNP_5566B_40872442	Ca_Kabuli_Chr01	NC_021160.1	40872442	TT	CC	CC	DRR	101499524	chitinase 2-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_5567B_40872459	Ca_Kabuli_Chr01	NC_021160.1	40872459	AA	CC	CC	DRR	101499524	chitinase 2-like
SNP_5568B_40886957	Ca_Kabuli_Chr01	NC_021160.1	40886957	TT	GG	GG	URR	101499824	chitinase 2-like
SNP_5569B_40887554	Ca_Kabuli_Chr01	NC_021160.1	40887554	CC	TT	TT	URR	101499824	chitinase 2-like
SNP_5570B_40887567	Ca_Kabuli_Chr01	NC_021160.1	40887567	GG	AA	AA	URR	101499824	chitinase 2-like
SNP_5571B_40888194	Ca_Kabuli_Chr01	NC_021160.1	40888194	CC	TT	TT	URR	101499824	chitinase 2-like
SNP_5572B_40889660	Ca_Kabuli_Chr01	NC_021160.1	40889660	GG	TT	TT	INTERGENIC		
SNP_5573B_40889662	Ca_Kabuli_Chr01	NC_021160.1	40889662	AA	TT	TT	INTERGENIC		
SNP_5574B_40889664	Ca_Kabuli_Chr01	NC_021160.1	40889664	CC	TT	TT	INTERGENIC		
SNP_5575B_40889742	Ca_Kabuli_Chr01	NC_021160.1	40889742	AA	GG	GG	INTERGENIC		
SNP_5577B_40889817	Ca_Kabuli_Chr01	NC_021160.1	40889817	TT	AA	AA	INTERGENIC		
SNP_5578B_40890118	Ca_Kabuli_Chr01	NC_021160.1	40890118	GG	CC	CC	INTERGENIC		
SNP_5579B_40890134	Ca_Kabuli_Chr01	NC_021160.1	40890134	CC	AA	AA	INTERGENIC		
SNP_5580B_40890162	Ca_Kabuli_Chr01	NC_021160.1	40890162	GG	TT	TT	INTERGENIC		
SNP_5581B_40890181	Ca_Kabuli_Chr01	NC_021160.1	40890181	AA	TT	TT	INTERGENIC		
SNP_5582B_40890183	Ca_Kabuli_Chr01	NC_021160.1	40890183	TT	CC	CC	INTERGENIC		
SNP_5583B_40890201	Ca_Kabuli_Chr01	NC_021160.1	40890201	TT	CC	CC	INTERGENIC		
SNP_5584B_40890259	Ca_Kabuli_Chr01	NC_021160.1	40890259	TT	AA	AA	INTERGENIC		
SNP_5585B_40890260	Ca_Kabuli_Chr01	NC_021160.1	40890260	TT	AA	AA	INTERGENIC		
SNP_5586B_40890357	Ca_Kabuli_Chr01	NC_021160.1	40890357	AA	GG	GG	INTERGENIC		
SNP_5587B_40890419	Ca_Kabuli_Chr01	NC_021160.1	40890419	CC	TT	TT	INTERGENIC		
SNP_5588B_40890432	Ca_Kabuli_Chr01	NC_021160.1	40890432	CC	TT	TT	INTERGENIC		
SNP_5589B_40890472	Ca_Kabuli_Chr01	NC_021160.1	40890472	GG	AA	AA	INTERGENIC		
SNP_5591B_40890650	Ca_Kabuli_Chr01	NC_021160.1	40890650	AA	TT	TT	INTERGENIC		
SNP_5592B_40890656	Ca_Kabuli_Chr01	NC_021160.1	40890656	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_5594B_40890729	Ca_Kabuli_Chr01	NC_021160.1	40890729	TT	GG	GG	INTERGENIC		
SNP_5595B_40896539	Ca_Kabuli_Chr01	NC_021160.1	40896539	TT	CC	CC	INTERGENIC		
SNP_5596B_40899123	Ca_Kabuli_Chr01	NC_021160.1	40899123	GG	TT	TT	INTERGENIC		
SNP_5597B_41103408	Ca_Kabuli_Chr01	NC_021160.1	41103408	AA	GG	GG	INTERGENIC		
SNP_5598B_41103731	Ca_Kabuli_Chr01	NC_021160.1	41103731	TT	CC	CC	INTERGENIC		
SNP_5599B_41103766	Ca_Kabuli_Chr01	NC_021160.1	41103766	TT	CC	CC	INTERGENIC		
SNP_5600B_41187580	Ca_Kabuli_Chr01	NC_021160.1	41187580	GG	AA	AA	URR	101511277	Unknown function
SNP_5601B_41234855	Ca_Kabuli_Chr01	NC_021160.1	41234855	CC	GG	GG	INTERGENIC		
SNP_5602B_41234860	Ca_Kabuli_Chr01	NC_021160.1	41234860	CC	TT	TT	INTERGENIC		
SNP_5603B_41234861	Ca_Kabuli_Chr01	NC_021160.1	41234861	GG	AA	AA	INTERGENIC		
SNP_5604B_41234880	Ca_Kabuli_Chr01	NC_021160.1	41234880	TT	CC	CC	INTERGENIC		
SNP_5605B_41237292	Ca_Kabuli_Chr01	NC_021160.1	41237292	TT	CC	CC	URR	101507760	albumin-2-like
SNP_5606B_41248505	Ca_Kabuli_Chr01	NC_021160.1	41248505	TT	GG	GG	INTERGENIC		
SNP_5607B_41248535	Ca_Kabuli_Chr01	NC_021160.1	41248535	GG	TT	TT	INTERGENIC		
SNP_5608B_41248542	Ca_Kabuli_Chr01	NC_021160.1	41248542	CC	AA	AA	INTERGENIC		
SNP_5609B_41248554	Ca_Kabuli_Chr01	NC_021160.1	41248554	AA	TT	TT	INTERGENIC		
SNP_5610B_41248745	Ca_Kabuli_Chr01	NC_021160.1	41248745	AA	GG	GG	INTERGENIC		
SNP_5611B_41256347	Ca_Kabuli_Chr01	NC_021160.1	41256347	GG	AA	AA	INTERGENIC		
SNP_5612B_41265808	Ca_Kabuli_Chr01	NC_021160.1	41265808	CC	TT	TT	INTERGENIC		
SNP_5613B_41265817	Ca_Kabuli_Chr01	NC_021160.1	41265817	TT	GG	GG	INTERGENIC		
SNP_5614B_41265902	Ca_Kabuli_Chr01	NC_021160.1	41265902	AA	CC	CC	INTERGENIC		
SNP_5615B_41266170	Ca_Kabuli_Chr01	NC_021160.1	41266170	TT	CC	CC	INTERGENIC		
SNP_5616B_41266566	Ca_Kabuli_Chr01	NC_021160.1	41266566	AA	GG	GG	INTERGENIC		
SNP_5617B_41266580	Ca_Kabuli_Chr01	NC_021160.1	41266580	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_5619B_41406982	Ca_Kabuli_Chr01	NC_021160.1	41406982	TT	AA	AA	INTERGENIC		
SNP_5620B_41416035	Ca_Kabuli_Chr01	NC_021160.1	41416035	AA	CC	CC	INTRON	101488911	glutathione S-transferase 3-like
SNP_5621B_41416048	Ca_Kabuli_Chr01	NC_021160.1	41416048	TT	GG	GG	INTRON	101488911	glutathione S-transferase 3-like
SNP_5622B_41416397	Ca_Kabuli_Chr01	NC_021160.1	41416397	CC	AA	AA	INTRON	101488911	glutathione S-transferase 3-like
SNP_5623B_41450454	Ca_Kabuli_Chr01	NC_021160.1	41450454	TT	CC	CC	INTERGENIC		
SNP_5624B_41450808	Ca_Kabuli_Chr01	NC_021160.1	41450808	GG	AA	AA	INTERGENIC		
SNP_5625B_41450818	Ca_Kabuli_Chr01	NC_021160.1	41450818	CC	TT	TT	INTERGENIC		
SNP_5626B_41450840	Ca_Kabuli_Chr01	NC_021160.1	41450840	TT	GG	GG	INTERGENIC		
SNP_5627B_41452590	Ca_Kabuli_Chr01	NC_021160.1	41452590	GG	TT	TT	INTERGENIC		
SNP_5628B_41452788	Ca_Kabuli_Chr01	NC_021160.1	41452788	CC	AA	AA	INTERGENIC		
SNP_5629B_41471888	Ca_Kabuli_Chr01	NC_021160.1	41471888	AA	TT	TT	INTERGENIC		
SNP_5630B_41472079	Ca_Kabuli_Chr01	NC_021160.1	41472079	CC	GG	GG	INTERGENIC		
SNP_5631B_41504309	Ca_Kabuli_Chr01	NC_021160.1	41504309	AA	TT	TT	INTERGENIC		
SNP_5632B_41661736	Ca_Kabuli_Chr01	NC_021160.1	41661736	TT	CC	CC	INTERGENIC		
SNP_5633B_41694808	Ca_Kabuli_Chr01	NC_021160.1	41694808	TT	CC	CC	INTERGENIC		
SNP_5634B_41694942	Ca_Kabuli_Chr01	NC_021160.1	41694942	GG	TT	TT	INTERGENIC		
SNP_5635B_41694965	Ca_Kabuli_Chr01	NC_021160.1	41694965	AA	GG	GG	INTERGENIC		
SNP_5636B_41694969	Ca_Kabuli_Chr01	NC_021160.1	41694969	CC	TT	TT	INTERGENIC		
SNP_5637B_41694972	Ca_Kabuli_Chr01	NC_021160.1	41694972	CC	TT	TT	INTERGENIC		
SNP_5638B_41694997	Ca_Kabuli_Chr01	NC_021160.1	41694997	CC	TT	TT	INTERGENIC		
SNP_5639B_41695044	Ca_Kabuli_Chr01	NC_021160.1	41695044	GG	AA	AA	INTERGENIC		
SNP_5641B_41695387	Ca_Kabuli_Chr01	NC_021160.1	41695387	GG	AA	AA	INTERGENIC		
SNP_5643B_41695474	Ca_Kabuli_Chr01	NC_021160.1	41695474	TT	GG	GG	INTERGENIC		
SNP_5644B_41695682	Ca_Kabuli_Chr01	NC_021160.1	41695682	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_5645B_41695683	Ca_Kabuli_Chr01	NC_021160.1	41695683	TT	AA	AA	INTERGENIC		
SNP_5646B_41696840	Ca_Kabuli_Chr01	NC_021160.1	41696840	TT	CC	CC	INTERGENIC		
SNP_5647B_41697054	Ca_Kabuli_Chr01	NC_021160.1	41697054	AA	CC	CC	INTERGENIC		
SNP_5648B_41704268	Ca_Kabuli_Chr01	NC_021160.1	41704268	GG	AA	AA	INTERGENIC		
SNP_5649B_41704316	Ca_Kabuli_Chr01	NC_021160.1	41704316	GG	AA	AA	INTERGENIC		
SNP_5650B_41704385	Ca_Kabuli_Chr01	NC_021160.1	41704385	CC	AA	AA	INTERGENIC		
SNP_5651B_41704411	Ca_Kabuli_Chr01	NC_021160.1	41704411	AA	GG	GG	INTERGENIC		
SNP_5654B_41704553	Ca_Kabuli_Chr01	NC_021160.1	41704553	AA	TT	TT	INTERGENIC		
SNP_5655B_41704603	Ca_Kabuli_Chr01	NC_021160.1	41704603	AA	TT	TT	INTERGENIC		
SNP_5656B_41704624	Ca_Kabuli_Chr01	NC_021160.1	41704624	TT	AA	AA	INTERGENIC		
SNP_5657B_41704633	Ca_Kabuli_Chr01	NC_021160.1	41704633	CC	TT	TT	INTERGENIC		
SNP_5658B_41705392	Ca_Kabuli_Chr01	NC_021160.1	41705392	CC	TT	TT	INTERGENIC		
SNP_5659B_41712203	Ca_Kabuli_Chr01	NC_021160.1	41712203	GG	AA	AA	DRR	101501741	uncharacterized LOC101501741
SNP_5660B_41712688	Ca_Kabuli_Chr01	NC_021160.1	41712688	GG	AA	AA	DRR	101501741	uncharacterized LOC101501741
SNP_5661B_41718481	Ca_Kabuli_Chr01	NC_021160.1	41718481	CC	TT	TT	INTRON	101501741	uncharacterized LOC101501741
SNP_5662B_41718553	Ca_Kabuli_Chr01	NC_021160.1	41718553	AA	GG	GG	INTRON	101501741	uncharacterized LOC101501741
SNP_5663B_41718683	Ca_Kabuli_Chr01	NC_021160.1	41718683	CC	GG	GG	INTRON	101501741	uncharacterized LOC101501741
SNP_5664B_41718744	Ca_Kabuli_Chr01	NC_021160.1	41718744	CC	AA	AA	INTRON	101501741	uncharacterized LOC101501741
SNP_5666B_41721895	Ca_Kabuli_Chr01	NC_021160.1	41721895	AA	GG	GG	INTRON	101501741	uncharacterized LOC101501741
SNP_5667B_41721944	Ca_Kabuli_Chr01	NC_021160.1	41721944	TT	GG	GG	INTRON	101501741	uncharacterized LOC101501741
SNP_5668B_41722039	Ca_Kabuli_Chr01	NC_021160.1	41722039	TT	AA	AA	INTRON	101501741	uncharacterized LOC101501741
SNP_5669B_41722069	Ca_Kabuli_Chr01	NC_021160.1	41722069	GG	AA	AA	INTRON	101501741	uncharacterized LOC101501741
SNP_5670B_41722411	Ca_Kabuli_Chr01	NC_021160.1	41722411	TT	AA	AA	INTRON	101501741	uncharacterized LOC101501741
SNP_5671B_41727867	Ca_Kabuli_Chr01	NC_021160.1	41727867	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_5672B_41732465	Ca_Kabuli_Chr01	NC_021160.1	41732465	CC	TT	TT	INTERGENIC		
SNP_5673B_41746625	Ca_Kabuli_Chr01	NC_021160.1	41746625	AA	TT	TT	INTERGENIC		
SNP_5674B_41748176	Ca_Kabuli_Chr01	NC_021160.1	41748176	AA	GG	GG	INTERGENIC		
SNP_5675B_41748196	Ca_Kabuli_Chr01	NC_021160.1	41748196	CC	TT	TT	INTERGENIC		
SNP_5676B_41801228	Ca_Kabuli_Chr01	NC_021160.1	41801228	CC	TT	TT	INTERGENIC		
SNP_5677B_41812128	Ca_Kabuli_Chr01	NC_021160.1	41812128	CC	GG	GG	INTERGENIC		
SNP_5678B_41841753	Ca_Kabuli_Chr01	NC_021160.1	41841753	AA	GG	GG	INTERGENIC		
SNP_5679B_41908922	Ca_Kabuli_Chr01	NC_021160.1	41908922	CC	TT	TT	INTERGENIC		
SNP_5681B_42000276	Ca_Kabuli_Chr01	NC_021160.1	42000276	AA	GG	GG	INTERGENIC		
SNP_5682B_42021684	Ca_Kabuli_Chr01	NC_021160.1	42021684	TT	AA	AA	INTERGENIC		
SNP_5683B_42021707	Ca_Kabuli_Chr01	NC_021160.1	42021707	AA	TT	TT	INTERGENIC		
SNP_5685B_42070871	Ca_Kabuli_Chr01	NC_021160.1	42070871	TT	CC	CC	INTERGENIC		
SNP_5686B_42098268	Ca_Kabuli_Chr01	NC_021160.1	42098268	TT	GG	GG	INTERGENIC		
SNP_5688B_42243850	Ca_Kabuli_Chr01	NC_021160.1	42243850	GG	AA	AA	INTERGENIC		
SNP_5689B_42244275	Ca_Kabuli_Chr01	NC_021160.1	42244275	TT	GG	GG	INTERGENIC		
SNP_5690B_42244312	Ca_Kabuli_Chr01	NC_021160.1	42244312	TT	AA	AA	INTERGENIC		
SNP_5691B_42244339	Ca_Kabuli_Chr01	NC_021160.1	42244339	TT	CC	CC	INTERGENIC		
SNP_5692B_42244347	Ca_Kabuli_Chr01	NC_021160.1	42244347	GG	TT	TT	INTERGENIC		
SNP_5693B_42244358	Ca_Kabuli_Chr01	NC_021160.1	42244358	AA	GG	TT	INTERGENIC		
SNP_5694B_42267581	Ca_Kabuli_Chr01	NC_021160.1	42267581	CC	TT	TT	INTERGENIC		
SNP_5695B_42275645	Ca_Kabuli_Chr01	NC_021160.1	42275645	CC	AA	AA	URR	101505600	uncharacterized LOC101505600
SNP_5696B_42332483	Ca_Kabuli_Chr01	NC_021160.1	42332483	TT	AA	AA	INTERGENIC		
SNP_5697B_42379521	Ca_Kabuli_Chr01	NC_021160.1	42379521	AA	CC	CC	INTERGENIC		
SNP_5698B_42392320	Ca_Kabuli_Chr01	NC_021160.1	42392320	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_5699B_42405386	Ca_Kabuli_Chr01	NC_021160.1	42405386	TT	CC	CC	INTERGENIC		
SNP_5700B_42411139	Ca_Kabuli_Chr01	NC_021160.1	42411139	AA	GG	GG	INTERGENIC		
SNP_5701B_42411186	Ca_Kabuli_Chr01	NC_021160.1	42411186	AA	CC	CC	INTERGENIC		
SNP_5702B_42411215	Ca_Kabuli_Chr01	NC_021160.1	42411215	AA	CC	CC	INTERGENIC		
SNP_5703B_42411235	Ca_Kabuli_Chr01	NC_021160.1	42411235	AA	CC	CC	INTERGENIC		
SNP_5704B_42530415	Ca_Kabuli_Chr01	NC_021160.1	42530415	TT	CC	CC	INTERGENIC		
SNP_5705B_42538838	Ca_Kabuli_Chr01	NC_021160.1	42538838	CC	TT	TT	URR	101508502	aspartic proteinase CDR1-like
SNP_5706B_42538849	Ca_Kabuli_Chr01	NC_021160.1	42538849	GG	TT	TT	URR	101508502	aspartic proteinase CDR1-like
SNP_5707B_42538911	Ca_Kabuli_Chr01	NC_021160.1	42538911	TT	AA	AA	URR	101508502	aspartic proteinase CDR1-like
SNP_5708B_42538976	Ca_Kabuli_Chr01	NC_021160.1	42538976	TT	AA	AA	URR	101508502	aspartic proteinase CDR1-like
SNP_5709B_42539212	Ca_Kabuli_Chr01	NC_021160.1	42539212	GG	TT	TT	URR	101508502	aspartic proteinase CDR1-like
SNP_5710B_42540218	Ca_Kabuli_Chr01	NC_021160.1	42540218	AA	GG	GG	INTERGENIC		
SNP_5711B_42635991	Ca_Kabuli_Chr01	NC_021160.1	42635991	TT	CC	CC	INTERGENIC		
SNP_5712B_42636014	Ca_Kabuli_Chr01	NC_021160.1	42636014	CC	TT	TT	INTERGENIC		
SNP_5713B_42636017	Ca_Kabuli_Chr01	NC_021160.1	42636017	TT	AA	AA	INTERGENIC		
SNP_5714B_42641920	Ca_Kabuli_Chr01	NC_021160.1	42641920	GG	AA	AA	INTERGENIC		
SNP_5715B_42692051	Ca_Kabuli_Chr01	NC_021160.1	42692051	GG	AA	AA	INTERGENIC		
SNP_5716B_42762681	Ca_Kabuli_Chr01	NC_021160.1	42762681	CC	GG	GG	INTERGENIC		
SNP_5717B_42791603	Ca_Kabuli_Chr01	NC_021160.1	42791603	GG	AA	AA	INTERGENIC		
SNP_5718B_42793548	Ca_Kabuli_Chr01	NC_021160.1	42793548	TT	CC	CC	INTERGENIC		
SNP_5719B_42793576	Ca_Kabuli_Chr01	NC_021160.1	42793576	TT	CC	CC	INTERGENIC		
SNP_5720B_42793937	Ca_Kabuli_Chr01	NC_021160.1	42793937	TT	CC	CC	INTERGENIC		
SNP_5721B_42800189	Ca_Kabuli_Chr01	NC_021160.1	42800189	GG	AA	AA	INTERGENIC		
SNP_5722B_42902926	Ca_Kabuli_Chr01	NC_021160.1	42902926	TT	CC	CC	INTRON	101489560	myb-related protein Myb4-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_5723B_42903314	Ca_Kabuli_Chr01	NC_021160.1	42903314	AA	GG	GG	INTRON	101489560	myb-related protein Myb4-like
SNP_5724B_42970533	Ca_Kabuli_Chr01	NC_021160.1	42970533	AA	GG	GG	INTERGENIC		
SNP_5725B_42972243	Ca_Kabuli_Chr01	NC_021160.1	42972243	GG	AA	AA	INTERGENIC		
SNP_5726B_42980750	Ca_Kabuli_Chr01	NC_021160.1	42980750	CC	TT	TT	INTERGENIC		
SNP_5727B_43000939	Ca_Kabuli_Chr01	NC_021160.1	43000939	TT	AA	AA	INTERGENIC		
SNP_5728B_43001798	Ca_Kabuli_Chr01	NC_021160.1	43001798	CC	GG	GG	INTERGENIC		
SNP_5729B_43065715	Ca_Kabuli_Chr01	NC_021160.1	43065715	GG	AA	AA	INTERGENIC		
SNP_5730B_43065724	Ca_Kabuli_Chr01	NC_021160.1	43065724	CC	GG	GG	INTERGENIC		
SNP_5731B_43065746	Ca_Kabuli_Chr01	NC_021160.1	43065746	AA	GG	GG	INTERGENIC		
SNP_5732B_43065779	Ca_Kabuli_Chr01	NC_021160.1	43065779	AA	GG	GG	INTERGENIC		
SNP_5733B_43065792	Ca_Kabuli_Chr01	NC_021160.1	43065792	GG	CC	CC	INTERGENIC		
SNP_5734B_43065818	Ca_Kabuli_Chr01	NC_021160.1	43065818	AA	TT	TT	INTERGENIC		
SNP_5735B_43066111	Ca_Kabuli_Chr01	NC_021160.1	43066111	AA	GG	GG	INTERGENIC		
SNP_5736B_43066179	Ca_Kabuli_Chr01	NC_021160.1	43066179	TT	GG	GG	INTERGENIC		
SNP_5737B_43066267	Ca_Kabuli_Chr01	NC_021160.1	43066267	TT	CC	CC	INTERGENIC		
SNP_5738B_43235814	Ca_Kabuli_Chr01	NC_021160.1	43235814	TT	CC	CC	INTERGENIC		
SNP_5739B_43262297	Ca_Kabuli_Chr01	NC_021160.1	43262297	GG	AA	AA	INTERGENIC		
SNP_5740B_43262329	Ca_Kabuli_Chr01	NC_021160.1	43262329	CC	TT	TT	INTERGENIC		
SNP_5741B_43262330	Ca_Kabuli_Chr01	NC_021160.1	43262330	TT	CC	CC	INTERGENIC		
SNP_5742B_43300400	Ca_Kabuli_Chr01	NC_021160.1	43300400	TT	GG	GG	INTERGENIC		
SNP_5743B_43420328	Ca_Kabuli_Chr01	NC_021160.1	43420328	AA	GG	GG	INTERGENIC		
SNP_5744B_43438473	Ca_Kabuli_Chr01	NC_021160.1	43438473	TT	AA	AA	INTERGENIC		
SNP_5745B_43438629	Ca_Kabuli_Chr01	NC_021160.1	43438629	TT	CC	CC	INTERGENIC		
SNP_5746B_43440899	Ca_Kabuli_Chr01	NC_021160.1	43440899	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_5747B_43441260	Ca_Kabuli_Chr01	NC_021160.1	43441260	AA	GG	GG	INTERGENIC		
SNP_5748B_43441496	Ca_Kabuli_Chr01	NC_021160.1	43441496	TT	CC	CC	INTERGENIC		
SNP_5749B_43441530	Ca_Kabuli_Chr01	NC_021160.1	43441530	GG	AA	AA	INTERGENIC		
SNP_5750B_43451961	Ca_Kabuli_Chr01	NC_021160.1	43451961	GG	AA	AA	INTERGENIC		
SNP_5751B_43493313	Ca_Kabuli_Chr01	NC_021160.1	43493313	GG	TT	TT	INTERGENIC		
SNP_5752B_43517104	Ca_Kabuli_Chr01	NC_021160.1	43517104	AA	CC	CC	INTERGENIC		
SNP_5754B_43577928	Ca_Kabuli_Chr01	NC_021160.1	43577928	TT	GG	GG	INTERGENIC		
SNP_5756B_43618073	Ca_Kabuli_Chr01	NC_021160.1	43618073	CC	GG	GG	INTERGENIC		
SNP_5757B_43635450	Ca_Kabuli_Chr01	NC_021160.1	43635450	AA	CC	CC	INTERGENIC		
SNP_5759B_43690265	Ca_Kabuli_Chr01	NC_021160.1	43690265	CC	TT	TT	INTERGENIC		
SNP_5760B_43690272	Ca_Kabuli_Chr01	NC_021160.1	43690272	CC	TT	TT	INTERGENIC		
SNP_5761B_43690281	Ca_Kabuli_Chr01	NC_021160.1	43690281	AA	TT	TT	INTERGENIC		
SNP_5762B_43691303	Ca_Kabuli_Chr01	NC_021160.1	43691303	CC	GG	GG	INTERGENIC		
SNP_5763B_43722807	Ca_Kabuli_Chr01	NC_021160.1	43722807	TT	GG	GG	INTERGENIC		
SNP_5764B_43899281	Ca_Kabuli_Chr01	NC_021160.1	43899281	TT	CC	CC	URR	101491927	uncharacterized LOC101491927
SNP_5765B_43903927	Ca_Kabuli_Chr01	NC_021160.1	43903927	TT	CC	CC	INTERGENIC		
SNP_5766B_43932871	Ca_Kabuli_Chr01	NC_021160.1	43932871	TT	CC	CC	INTRON	101503568	protein RRNAD1
SNP_5767B_43942441	Ca_Kabuli_Chr01	NC_021160.1	43942441	TT	GG	GG	URR	101503895	ribosomal L1 domain-containing protein 1-like
SNP_5768B_43980312	Ca_Kabuli_Chr01	NC_021160.1	43980312	CC	TT	TT	INTERGENIC		
SNP_5769B_43980566	Ca_Kabuli_Chr01	NC_021160.1	43980566	CC	TT	TT	INTERGENIC		
SNP_5770B_44051233	Ca_Kabuli_Chr01	NC_021160.1	44051233	TT	GG	GG	INTERGENIC		
SNP_5771B_44051253	Ca_Kabuli_Chr01	NC_021160.1	44051253	CC	TT	TT	INTERGENIC		
SNP_5772B_44079661	Ca_Kabuli_Chr01	NC_021160.1	44079661	GG	TT	TT	INTERGENIC		
SNP_5773B_44129114	Ca_Kabuli_Chr01	NC_021160.1	44129114	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_5774B_44144751	Ca_Kabuli_Chr01	NC_021160.1	44144751	CC	TT	TT	INTERGENIC		
SNP_5775B_44187293	Ca_Kabuli_Chr01	NC_021160.1	44187293	CC	AA	AA	INTERGENIC		
SNP_5776B_44187546	Ca_Kabuli_Chr01	NC_021160.1	44187546	TT	CC	CC	INTERGENIC		
SNP_5777B_44187597	Ca_Kabuli_Chr01	NC_021160.1	44187597	CC	AA	AA	INTERGENIC		
SNP_5778B_44204372	Ca_Kabuli_Chr01	NC_021160.1	44204372	TT	CC	CC	INTERGENIC		
SNP_5779B_44205988	Ca_Kabuli_Chr01	NC_021160.1	44205988	CC	TT	TT	INTERGENIC		
SNP_5780B_44206007	Ca_Kabuli_Chr01	NC_021160.1	44206007	AA	TT	TT	INTERGENIC		
SNP_5781B_44206019	Ca_Kabuli_Chr01	NC_021160.1	44206019	AA	TT	TT	INTERGENIC		
SNP_5782B_44219433	Ca_Kabuli_Chr01	NC_021160.1	44219433	GG	AA	AA	INTERGENIC		
SNP_5784B_44299925	Ca_Kabuli_Chr01	NC_021160.1	44299925	GG	CC	CC	INTERGENIC		
SNP_5785B_44300198	Ca_Kabuli_Chr01	NC_021160.1	44300198	GG	CC	CC	INTERGENIC		
SNP_5787B_44369615	Ca_Kabuli_Chr01	NC_021160.1	44369615	TT	CC	CC	INTERGENIC		
SNP_5788B_44374687	Ca_Kabuli_Chr01	NC_021160.1	44374687	TT	CC	CC	INTERGENIC		
SNP_5789B_44374697	Ca_Kabuli_Chr01	NC_021160.1	44374697	TT	AA	AA	INTERGENIC		
SNP_5790B_44376340	Ca_Kabuli_Chr01	NC_021160.1	44376340	CC	GG	GG	INTERGENIC		
SNP_5791B_44376431	Ca_Kabuli_Chr01	NC_021160.1	44376431	AA	CC	CC	INTERGENIC		
SNP_5792B_44376464	Ca_Kabuli_Chr01	NC_021160.1	44376464	CC	AA	AA	INTERGENIC		
SNP_5793B_44376467	Ca_Kabuli_Chr01	NC_021160.1	44376467	TT	CC	CC	INTERGENIC		
SNP_5794B_44376506	Ca_Kabuli_Chr01	NC_021160.1	44376506	TT	CC	CC	INTERGENIC		
SNP_5795B_44376512	Ca_Kabuli_Chr01	NC_021160.1	44376512	GG	AA	AA	INTERGENIC		
SNP_5796B_44376690	Ca_Kabuli_Chr01	NC_021160.1	44376690	AA	GG	GG	INTERGENIC		
SNP_5797B_44384701	Ca_Kabuli_Chr01	NC_021160.1	44384701	CC	TT	TT	INTERGENIC		
SNP_5798B_44384708	Ca_Kabuli_Chr01	NC_021160.1	44384708	TT	AA	AA	INTERGENIC		
SNP_5799B_44385027	Ca_Kabuli_Chr01	NC_021160.1	44385027	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_5800B_44402989	Ca_Kabuli_Chr01	NC_021160.1	44402989	TT	CC	CC	INTERGENIC		
SNP_5801B_44402997	Ca_Kabuli_Chr01	NC_021160.1	44402997	TT	CC	CC	INTERGENIC		
SNP_5802B_44403045	Ca_Kabuli_Chr01	NC_021160.1	44403045	TT	CC	CC	INTERGENIC		
SNP_5803B_44427725	Ca_Kabuli_Chr01	NC_021160.1	44427725	GG	AA	AA	INTERGENIC		
SNP_5804B_44428187	Ca_Kabuli_Chr01	NC_021160.1	44428187	AA	GG	GG	INTERGENIC		
SNP_5805B_44428567	Ca_Kabuli_Chr01	NC_021160.1	44428567	TT	GG	GG	INTERGENIC		
SNP_5806B_44467145	Ca_Kabuli_Chr01	NC_021160.1	44467145	CC	TT	TT	INTERGENIC		
SNP_5808B_44467579	Ca_Kabuli_Chr01	NC_021160.1	44467579	TT	CC	CC	INTERGENIC		
SNP_5809B_44467582	Ca_Kabuli_Chr01	NC_021160.1	44467582	GG	AA	AA	INTERGENIC		
SNP_5810B_44487149	Ca_Kabuli_Chr01	NC_021160.1	44487149	CC	TT	TT	INTERGENIC		
SNP_5811B_44537559	Ca_Kabuli_Chr01	NC_021160.1	44537559	AA	GG	GG	URR	101495929	uncharacterized LOC101495929
SNP_5812B_44537587	Ca_Kabuli_Chr01	NC_021160.1	44537587	TT	AA	AA	URR	101495929	uncharacterized LOC101495929
SNP_5813B_44537611	Ca_Kabuli_Chr01	NC_021160.1	44537611	GG	AA	AA	URR	101495929	uncharacterized LOC101495929
SNP_5814B_44537671	Ca_Kabuli_Chr01	NC_021160.1	44537671	TT	CC	CC	URR	101495929	uncharacterized LOC101495929
SNP_5815B_44537679	Ca_Kabuli_Chr01	NC_021160.1	44537679	AA	GG	GG	URR	101495929	uncharacterized LOC101495929
SNP_5816B_44537704	Ca_Kabuli_Chr01	NC_021160.1	44537704	TT	CC	CC	URR	101495929	uncharacterized LOC101495929
SNP_5817B_44537714	Ca_Kabuli_Chr01	NC_021160.1	44537714	CC	AA	AA	URR	101495929	uncharacterized LOC101495929
SNP_5818B_44537725	Ca_Kabuli_Chr01	NC_021160.1	44537725	GG	AA	AA	URR	101495929	uncharacterized LOC101495929
SNP_5819B_44588933	Ca_Kabuli_Chr01	NC_021160.1	44588933	AA	GG	GG	INTERGENIC		
SNP_5820B_44588951	Ca_Kabuli_Chr01	NC_021160.1	44588951	AA	CC	CC	INTERGENIC		
SNP_5821B_44588986	Ca_Kabuli_Chr01	NC_021160.1	44588986	AA	GG	GG	INTERGENIC		
SNP_5822B_44588988	Ca_Kabuli_Chr01	NC_021160.1	44588988	CC	TT	TT	INTERGENIC		
SNP_5823B_44589027	Ca_Kabuli_Chr01	NC_021160.1	44589027	TT	GG	GG	INTERGENIC		
SNP_5824B_44592377	Ca_Kabuli_Chr01	NC_021160.1	44592377	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_5825B_44592395	Ca_Kabuli_Chr01	NC_021160.1	44592395	AA	CC	CC	INTERGENIC		
SNP_5826B_44592416	Ca_Kabuli_Chr01	NC_021160.1	44592416	TT	GG	GG	INTERGENIC		
SNP_5827B_44592563	Ca_Kabuli_Chr01	NC_021160.1	44592563	AA	GG	GG	INTERGENIC		
SNP_5828B_44592574	Ca_Kabuli_Chr01	NC_021160.1	44592574	CC	AA	AA	INTERGENIC		
SNP_5829B_44592576	Ca_Kabuli_Chr01	NC_021160.1	44592576	AA	TT	TT	INTERGENIC		
SNP_5830B_44592606	Ca_Kabuli_Chr01	NC_021160.1	44592606	TT	CC	CC	INTERGENIC		
SNP_5831B_44592626	Ca_Kabuli_Chr01	NC_021160.1	44592626	TT	CC	CC	INTERGENIC		
SNP_5832B_44592641	Ca_Kabuli_Chr01	NC_021160.1	44592641	GG	AA	AA	INTERGENIC		
SNP_5833B_44592660	Ca_Kabuli_Chr01	NC_021160.1	44592660	TT	CC	CC	INTERGENIC		
SNP_5834B_44592673	Ca_Kabuli_Chr01	NC_021160.1	44592673	AA	GG	GG	INTERGENIC		
SNP_5835B_44592807	Ca_Kabuli_Chr01	NC_021160.1	44592807	CC	TT	TT	INTERGENIC		
SNP_5836B_44650041	Ca_Kabuli_Chr01	NC_021160.1	44650041	TT	GG	GG	INTERGENIC		
SNP_5837B_44650125	Ca_Kabuli_Chr01	NC_021160.1	44650125	GG	TT	TT	INTERGENIC		
SNP_5839B_44650377	Ca_Kabuli_Chr01	NC_021160.1	44650377	CC	TT	TT	INTERGENIC		
SNP_5840B_44650756	Ca_Kabuli_Chr01	NC_021160.1	44650756	AA	CC	CC	INTERGENIC		
SNP_5841B_44650825	Ca_Kabuli_Chr01	NC_021160.1	44650825	AA	GG	GG	INTERGENIC		
SNP_5844B_44778653	Ca_Kabuli_Chr01	NC_021160.1	44778653	AA	CC	CC	INTERGENIC		
SNP_5845B_44786318	Ca_Kabuli_Chr01	NC_021160.1	44786318	GG	TT	TT	INTERGENIC		
SNP_5846B_44787874	Ca_Kabuli_Chr01	NC_021160.1	44787874	GG	TT	TT	INTERGENIC		
SNP_5847B_44799723	Ca_Kabuli_Chr01	NC_021160.1	44799723	AA	GG	GG	INTERGENIC		
SNP_5848B_44822591	Ca_Kabuli_Chr01	NC_021160.1	44822591	GG	CC	CC	INTERGENIC		
SNP_5849B_44847011	Ca_Kabuli_Chr01	NC_021160.1	44847011	TT	CC	CC	INTERGENIC		
SNP_5850B_44847118	Ca_Kabuli_Chr01	NC_021160.1	44847118	TT	AA	AA	INTERGENIC		
SNP_5851B_44847153	Ca_Kabuli_Chr01	NC_021160.1	44847153	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_5852B_44847154	Ca_Kabuli_Chr01	NC_021160.1	44847154	TT	AA	AA	INTERGENIC		
SNP_5853B_44847222	Ca_Kabuli_Chr01	NC_021160.1	44847222	CC	AA	AA	INTERGENIC		
SNP_5854B_44847294	Ca_Kabuli_Chr01	NC_021160.1	44847294	GG	AA	AA	INTERGENIC		
SNP_5855B_44847307	Ca_Kabuli_Chr01	NC_021160.1	44847307	TT	CC	CC	INTERGENIC		
SNP_5857B_44848477	Ca_Kabuli_Chr01	NC_021160.1	44848477	CC	TT	TT	INTERGENIC		
SNP_5858B_44848538	Ca_Kabuli_Chr01	NC_021160.1	44848538	AA	GG	GG	INTERGENIC		
SNP_5859B_44852912	Ca_Kabuli_Chr01	NC_021160.1	44852912	GG	AA	AA	INTERGENIC		
SNP_5860B_44906802	Ca_Kabuli_Chr01	NC_021160.1	44906802	CC	TT	TT	INTERGENIC		
SNP_5861B_44921039	Ca_Kabuli_Chr01	NC_021160.1	44921039	CC	TT	TT	INTERGENIC		
SNP_5862B_44921240	Ca_Kabuli_Chr01	NC_021160.1	44921240	TT	CC	CC	INTERGENIC		
SNP_5863B_44921633	Ca_Kabuli_Chr01	NC_021160.1	44921633	CC	TT	TT	INTERGENIC		
SNP_5864B_44921666	Ca_Kabuli_Chr01	NC_021160.1	44921666	TT	CC	CC	INTERGENIC		
SNP_5865B_44952296	Ca_Kabuli_Chr01	NC_021160.1	44952296	AA	GG	GG	URR	101505066	Unknown function
SNP_5866B_44952312	Ca_Kabuli_Chr01	NC_021160.1	44952312	AA	GG	GG	URR	101505066	Unknown function
SNP_5867B_44971201	Ca_Kabuli_Chr01	NC_021160.1	44971201	TT	CC	CC	INTERGENIC		
SNP_5868B_45046073	Ca_Kabuli_Chr01	NC_021160.1	45046073	AA	TT	TT	INTERGENIC		
SNP_5870B_45057944	Ca_Kabuli_Chr01	NC_021160.1	45057944	GG	TT	TT	INTERGENIC		
SNP_5872B_45058381	Ca_Kabuli_Chr01	NC_021160.1	45058381	TT	GG	GG	INTERGENIC		
SNP_5873B_45058454	Ca_Kabuli_Chr01	NC_021160.1	45058454	GG	AA	AA	INTERGENIC		
SNP_5875B_45232277	Ca_Kabuli_Chr01	NC_021160.1	45232277	CC	GG	GG	DRR	101511596	Unknown function
SNP_5876B_45232327	Ca_Kabuli_Chr01	NC_021160.1	45232327	AA	GG	GG	DRR	101511596	Unknown function
SNP_5878B_45241677	Ca_Kabuli_Chr01	NC_021160.1	45241677	CC	GG	GG	URR	101410558	transfer RNA methionine (anticodon CAU)
SNP_5879B_45241764	Ca_Kabuli_Chr01	NC_021160.1	45241764	AA	GG	GG	URR	101410558	transfer RNA methionine (anticodon CAU)
SNP_5880B_45241791	Ca_Kabuli_Chr01	NC_021160.1	45241791	TT	CC	CC	URR	101410558	transfer RNA methionine (anticodon CAU)

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_5882B_45242195	Ca_Kabuli_Chr01	NC_021160.1	45242195	TT	CC	CC	URR	101512582	Unknown function
SNP_5884B_45243808	Ca_Kabuli_Chr01	NC_021160.1	45243808	GG	CC	CC	DRR	101513217	putative protein TIC 214 N-terminal part
SNP_5885B_45243814	Ca_Kabuli_Chr01	NC_021160.1	45243814	GG	CC	CC	DRR	101513217	putative protein TIC 214 N-terminal part
SNP_5886B_45243855	Ca_Kabuli_Chr01	NC_021160.1	45243855	TT	CC	CC	DRR	101513217	putative protein TIC 214 N-terminal part
SNP_5887B_45244149	Ca_Kabuli_Chr01	NC_021160.1	45244149	CC	TT	TT	DRR	101513217	putative protein TIC 214 N-terminal part
SNP_5891B_45332532	Ca_Kabuli_Chr01	NC_021160.1	45332532	TT	GG	GG	INTERGENIC		
SNP_5892B_45332621	Ca_Kabuli_Chr01	NC_021160.1	45332621	AA	CC	CC	INTERGENIC		
SNP_5893B_45332635	Ca_Kabuli_Chr01	NC_021160.1	45332635	AA	CC	CC	INTERGENIC		
SNP_5894B_45332718	Ca_Kabuli_Chr01	NC_021160.1	45332718	CC	TT	TT	INTERGENIC		
SNP_5895B_45332740	Ca_Kabuli_Chr01	NC_021160.1	45332740	AA	GG	GG	INTERGENIC		
SNP_5896B_45332745	Ca_Kabuli_Chr01	NC_021160.1	45332745	TT	CC	CC	INTERGENIC		
SNP_5897B_45332778	Ca_Kabuli_Chr01	NC_021160.1	45332778	GG	AA	AA	INTERGENIC		
SNP_5898B_45332796	Ca_Kabuli_Chr01	NC_021160.1	45332796	CC	TT	TT	INTERGENIC		
SNP_5899B_45333122	Ca_Kabuli_Chr01	NC_021160.1	45333122	TT	CC	CC	INTERGENIC		
SNP_5900B_45372615	Ca_Kabuli_Chr01	NC_021160.1	45372615	CC	TT	TT	INTERGENIC		
SNP_5901B_45372626	Ca_Kabuli_Chr01	NC_021160.1	45372626	TT	CC	CC	INTERGENIC		
SNP_5902B_45378024	Ca_Kabuli_Chr01	NC_021160.1	45378024	AA	GG	GG	INTERGENIC		
SNP_5903B_45378029	Ca_Kabuli_Chr01	NC_021160.1	45378029	AA	GG	GG	INTERGENIC		
SNP_5904B_45378036	Ca_Kabuli_Chr01	NC_021160.1	45378036	AA	GG	GG	INTERGENIC		
SNP_5905B_45392155	Ca_Kabuli_Chr01	NC_021160.1	45392155	AA	GG	GG	INTERGENIC		
SNP_5906B_45392293	Ca_Kabuli_Chr01	NC_021160.1	45392293	AA	CC	CC	INTERGENIC		
SNP_5907B_45392351	Ca_Kabuli_Chr01	NC_021160.1	45392351	TT	AA	AA	INTERGENIC		
SNP_5908B_45392490	Ca_Kabuli_Chr01	NC_021160.1	45392490	GG	CC	CC	INTERGENIC		
SNP_5909B_45392526	Ca_Kabuli_Chr01	NC_021160.1	45392526	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_5910B_45392575	Ca_Kabuli_Chr01	NC_021160.1	45392575	TT	AA	AA	INTERGENIC		
SNP_5912B_45392721	Ca_Kabuli_Chr01	NC_021160.1	45392721	CC	TT	TT	INTERGENIC		
SNP_5913B_45392741	Ca_Kabuli_Chr01	NC_021160.1	45392741	TT	CC	CC	INTERGENIC		
SNP_5914B_45438348	Ca_Kabuli_Chr01	NC_021160.1	45438348	GG	AA	AA	INTERGENIC		
SNP_5915B_45438350	Ca_Kabuli_Chr01	NC_021160.1	45438350	AA	GG	GG	INTERGENIC		
SNP_5916B_45438627	Ca_Kabuli_Chr01	NC_021160.1	45438627	AA	GG	GG	INTERGENIC		
SNP_5917B_45438633	Ca_Kabuli_Chr01	NC_021160.1	45438633	TT	GG	GG	INTERGENIC		
SNP_5919B_45497016	Ca_Kabuli_Chr01	NC_021160.1	45497016	CC	TT	TT	INTERGENIC		
SNP_5920B_45497025	Ca_Kabuli_Chr01	NC_021160.1	45497025	GG	AA	AA	INTERGENIC		
SNP_5921B_45497049	Ca_Kabuli_Chr01	NC_021160.1	45497049	AA	GG	GG	INTERGENIC		
SNP_5922B_45497213	Ca_Kabuli_Chr01	NC_021160.1	45497213	CC	AA	AA	INTERGENIC		
SNP_5923B_45497309	Ca_Kabuli_Chr01	NC_021160.1	45497309	TT	CC	CC	INTERGENIC		
SNP_5924B_45497346	Ca_Kabuli_Chr01	NC_021160.1	45497346	AA	CC	CC	INTERGENIC		
SNP_5925B_45497483	Ca_Kabuli_Chr01	NC_021160.1	45497483	CC	GG	GG	INTERGENIC		
SNP_5926B_45497510	Ca_Kabuli_Chr01	NC_021160.1	45497510	TT	CC	CC	INTERGENIC		
SNP_5927B_45499289	Ca_Kabuli_Chr01	NC_021160.1	45499289	GG	AA	AA	INTERGENIC		
SNP_5928B_45553150	Ca_Kabuli_Chr01	NC_021160.1	45553150	TT	CC	CC	INTERGENIC		
SNP_5929B_45553220	Ca_Kabuli_Chr01	NC_021160.1	45553220	TT	CC	CC	INTERGENIC		
SNP_5930B_45553234	Ca_Kabuli_Chr01	NC_021160.1	45553234	TT	CC	CC	INTERGENIC		
SNP_5931B_45553262	Ca_Kabuli_Chr01	NC_021160.1	45553262	CC	TT	TT	INTERGENIC		
SNP_5932B_45553283	Ca_Kabuli_Chr01	NC_021160.1	45553283	AA	GG	GG	INTERGENIC		
SNP_5933B_45553476	Ca_Kabuli_Chr01	NC_021160.1	45553476	TT	CC	CC	INTERGENIC		
SNP_5934B_45553495	Ca_Kabuli_Chr01	NC_021160.1	45553495	AA	TT	TT	INTERGENIC		
SNP_5935B_45553545	Ca_Kabuli_Chr01	NC_021160.1	45553545	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_5936B_45567957	Ca_Kabuli_Chr01	NC_021160.1	45567957	CC	AA	AA	NON_SYNONYMOUS_CODING	101490981	Unknown function
SNP_5937B_45568196	Ca_Kabuli_Chr01	NC_021160.1	45568196	TT	CC	CC	URR	101490981	Unknown function
SNP_5938B_45593053	Ca_Kabuli_Chr01	NC_021160.1	45593053	AA	GG	GG	INTERGENIC		
SNP_5939B_45593070	Ca_Kabuli_Chr01	NC_021160.1	45593070	GG	TT	TT	INTERGENIC		
SNP_5940B_45593076	Ca_Kabuli_Chr01	NC_021160.1	45593076	CC	GG	GG	INTERGENIC		
SNP_5941B_45593089	Ca_Kabuli_Chr01	NC_021160.1	45593089	CC	TT	TT	INTERGENIC		
SNP_5942B_45605000	Ca_Kabuli_Chr01	NC_021160.1	45605000	TT	GG	GG	INTERGENIC		
SNP_5944B_45613797	Ca_Kabuli_Chr01	NC_021160.1	45613797	GG	AA	AA	INTERGENIC		
SNP_5945B_45662723	Ca_Kabuli_Chr01	NC_021160.1	45662723	GG	AA	AA	INTERGENIC		
SNP_5946B_45663431	Ca_Kabuli_Chr01	NC_021160.1	45663431	TT	GG	GG	INTERGENIC		
SNP_5947B_45788085	Ca_Kabuli_Chr01	NC_021160.1	45788085	CC	TT	TT	INTERGENIC		
SNP_5948B_45914354	Ca_Kabuli_Chr01	NC_021160.1	45914354	TT	CC	CC	INTERGENIC		
SNP_5949B_45914675	Ca_Kabuli_Chr01	NC_021160.1	45914675	TT	AA	AA	INTERGENIC		
SNP_5950B_45958196	Ca_Kabuli_Chr01	NC_021160.1	45958196	AA	TT	TT	INTERGENIC		
SNP_5951B_45958214	Ca_Kabuli_Chr01	NC_021160.1	45958214	AA	TT	TT	INTERGENIC		
SNP_5952B_45993222	Ca_Kabuli_Chr01	NC_021160.1	45993222	AA	CC	CC	INTERGENIC		
SNP_5953B_45993263	Ca_Kabuli_Chr01	NC_021160.1	45993263	TT	CC	CC	INTERGENIC		
SNP_5954B_46065891	Ca_Kabuli_Chr01	NC_021160.1	46065891	AA	GG	GG	INTERGENIC		
SNP_5955B_46066296	Ca_Kabuli_Chr01	NC_021160.1	46066296	GG	AA	AA	INTERGENIC		
SNP_5956B_46066347	Ca_Kabuli_Chr01	NC_021160.1	46066347	GG	TT	TT	INTERGENIC		
SNP_5957B_46083394	Ca_Kabuli_Chr01	NC_021160.1	46083394	CC	TT	TT	INTERGENIC		
SNP_5958B_46083409	Ca_Kabuli_Chr01	NC_021160.1	46083409	CC	AA	AA	INTERGENIC		
SNP_5959B_46086816	Ca_Kabuli_Chr01	NC_021160.1	46086816	GG	TT	TT	INTERGENIC		
SNP_5961B_46169977	Ca_Kabuli_Chr01	NC_021160.1	46169977	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_5962B_46171346	Ca_Kabuli_Chr01	NC_021160.1	46171346	AA	GG	GG	INTERGENIC		
SNP_5963B_46171497	Ca_Kabuli_Chr01	NC_021160.1	46171497	TT	AA	AA	INTERGENIC		
SNP_5964B_46171498	Ca_Kabuli_Chr01	NC_021160.1	46171498	AA	GG	GG	INTERGENIC		
SNP_5965B_46171677	Ca_Kabuli_Chr01	NC_021160.1	46171677	CC	TT	TT	INTERGENIC		
SNP_5966B_46171753	Ca_Kabuli_Chr01	NC_021160.1	46171753	TT	CC	CC	INTERGENIC		
SNP_5967B_46171756	Ca_Kabuli_Chr01	NC_021160.1	46171756	AA	TT	TT	INTERGENIC		
SNP_5968B_46171807	Ca_Kabuli_Chr01	NC_021160.1	46171807	GG	AA	AA	INTERGENIC		
SNP_5969B_46174560	Ca_Kabuli_Chr01	NC_021160.1	46174560	AA	TT	TT	INTERGENIC		
SNP_5970B_46174605	Ca_Kabuli_Chr01	NC_021160.1	46174605	AA	GG	GG	INTERGENIC		
SNP_5971B_46174692	Ca_Kabuli_Chr01	NC_021160.1	46174692	AA	GG	GG	INTERGENIC		
SNP_5972B_46178178	Ca_Kabuli_Chr01	NC_021160.1	46178178	CC	TT	TT	INTERGENIC		
SNP_5973B_46178183	Ca_Kabuli_Chr01	NC_021160.1	46178183	CC	AA	AA	INTERGENIC		
SNP_5974B_46178188	Ca_Kabuli_Chr01	NC_021160.1	46178188	AA	CC	CC	INTERGENIC		
SNP_5976B_46178302	Ca_Kabuli_Chr01	NC_021160.1	46178302	CC	TT	TT	INTERGENIC		
SNP_5977B_46179595	Ca_Kabuli_Chr01	NC_021160.1	46179595	AA	GG	GG	DRR	101493686	Unknown function
SNP_5978B_46192223	Ca_Kabuli_Chr01	NC_021160.1	46192223	AA	TT	TT	INTERGENIC		
SNP_5980B_46278110	Ca_Kabuli_Chr01	NC_021160.1	46278110	TT	GG	GG	INTERGENIC		
SNP_5981B_46278154	Ca_Kabuli_Chr01	NC_021160.1	46278154	GG	TT	TT	INTERGENIC		
SNP_5982B_46278258	Ca_Kabuli_Chr01	NC_021160.1	46278258	TT	CC	CC	INTERGENIC		
SNP_5983B_46278391	Ca_Kabuli_Chr01	NC_021160.1	46278391	GG	AA	AA	INTERGENIC		
SNP_5985B_46278990	Ca_Kabuli_Chr01	NC_021160.1	46278990	GG	TT	TT	INTERGENIC		
SNP_5986B_46279213	Ca_Kabuli_Chr01	NC_021160.1	46279213	TT	AA	AA	INTERGENIC		
SNP_5987B_46279214	Ca_Kabuli_Chr01	NC_021160.1	46279214	TT	AA	AA	INTERGENIC		
SNP_5988B_46279263	Ca_Kabuli_Chr01	NC_021160.1	46279263	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_5989B_46279303	Ca_Kabuli_Chr01	NC_021160.1	46279303	AA	CC	CC	INTERGENIC		
SNP_5990B_46279420	Ca_Kabuli_Chr01	NC_021160.1	46279420	TT	CC	CC	INTERGENIC		
SNP_5991B_46279881	Ca_Kabuli_Chr01	NC_021160.1	46279881	TT	CC	CC	INTERGENIC		
SNP_5992B_46279986	Ca_Kabuli_Chr01	NC_021160.1	46279986	CC	TT	TT	INTERGENIC		
SNP_5993B_46280136	Ca_Kabuli_Chr01	NC_021160.1	46280136	AA	CC	CC	INTERGENIC		
SNP_5994B_46280421	Ca_Kabuli_Chr01	NC_021160.1	46280421	AA	GG	GG	INTERGENIC		
SNP_5995B_46280423	Ca_Kabuli_Chr01	NC_021160.1	46280423	TT	CC	CC	INTERGENIC		
SNP_5996B_46280468	Ca_Kabuli_Chr01	NC_021160.1	46280468	AA	CC	CC	INTERGENIC		
SNP_5997B_46280526	Ca_Kabuli_Chr01	NC_021160.1	46280526	GG	AA	AA	INTERGENIC		
SNP_5998B_46280783	Ca_Kabuli_Chr01	NC_021160.1	46280783	TT	GG	GG	INTERGENIC		
SNP_5999B_46281110	Ca_Kabuli_Chr01	NC_021160.1	46281110	TT	CC	CC	INTERGENIC		
SNP_6000B_46283431	Ca_Kabuli_Chr01	NC_021160.1	46283431	GG	AA	AA	INTERGENIC		
SNP_6001B_46283478	Ca_Kabuli_Chr01	NC_021160.1	46283478	GG	TT	TT	INTERGENIC		
SNP_6002B_46284112	Ca_Kabuli_Chr01	NC_021160.1	46284112	CC	TT	TT	INTERGENIC		
SNP_6003B_46284535	Ca_Kabuli_Chr01	NC_021160.1	46284535	GG	AA	AA	INTERGENIC		
SNP_6004B_46284673	Ca_Kabuli_Chr01	NC_021160.1	46284673	GG	AA	AA	INTERGENIC		
SNP_6005B_46284997	Ca_Kabuli_Chr01	NC_021160.1	46284997	CC	TT	TT	INTERGENIC		
SNP_6006B_46285113	Ca_Kabuli_Chr01	NC_021160.1	46285113	GG	AA	AA	INTERGENIC		
SNP_6007B_46285294	Ca_Kabuli_Chr01	NC_021160.1	46285294	CC	TT	TT	INTERGENIC		
SNP_6008B_46285302	Ca_Kabuli_Chr01	NC_021160.1	46285302	GG	AA	AA	INTERGENIC		
SNP_6009B_46285622	Ca_Kabuli_Chr01	NC_021160.1	46285622	GG	TT	TT	INTERGENIC		
SNP_6010B_46285789	Ca_Kabuli_Chr01	NC_021160.1	46285789	GG	CC	CC	INTERGENIC		
SNP_6011B_46285870	Ca_Kabuli_Chr01	NC_021160.1	46285870	GG	CC	CC	INTERGENIC		
SNP_6012B_46286015	Ca_Kabuli_Chr01	NC_021160.1	46286015	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_6013B_46286059	Ca_Kabuli_Chr01	NC_021160.1	46286059	GG	TT	TT	INTERGENIC		
SNP_6014B_46286066	Ca_Kabuli_Chr01	NC_021160.1	46286066	AA	GG	GG	INTERGENIC		
SNP_6015B_46286530	Ca_Kabuli_Chr01	NC_021160.1	46286530	TT	GG	GG	INTERGENIC		
SNP_6016B_46286560	Ca_Kabuli_Chr01	NC_021160.1	46286560	GG	CC	CC	INTERGENIC		
SNP_6019B_46302167	Ca_Kabuli_Chr01	NC_021160.1	46302167	TT	CC	CC	INTERGENIC		
SNP_6020B_46351263	Ca_Kabuli_Chr01	NC_021160.1	46351263	CC	TT	TT	INTRON	101501118	uncharacterized LOC101501118
SNP_6021B_46351273	Ca_Kabuli_Chr01	NC_021160.1	46351273	GG	AA	AA	INTRON	101501118	uncharacterized LOC101501118
SNP_6022B_46351612	Ca_Kabuli_Chr01	NC_021160.1	46351612	TT	GG	GG	INTRON	101501118	uncharacterized LOC101501118
SNP_6023B_46351630	Ca_Kabuli_Chr01	NC_021160.1	46351630	GG	AA	AA	INTRON	101501118	uncharacterized LOC101501118
SNP_6024B_46351707	Ca_Kabuli_Chr01	NC_021160.1	46351707	TT	AA	AA	INTRON	101501118	uncharacterized LOC101501118
SNP_6025B_46351929	Ca_Kabuli_Chr01	NC_021160.1	46351929	TT	CC	CC	INTRON	101501118	uncharacterized LOC101501118
SNP_6026B_46352041	Ca_Kabuli_Chr01	NC_021160.1	46352041	GG	TT	TT	INTRON	101501118	uncharacterized LOC101501118
SNP_6027B_46352057	Ca_Kabuli_Chr01	NC_021160.1	46352057	AA	CC	CC	INTRON	101501118	uncharacterized LOC101501118
SNP_6028B_46352070	Ca_Kabuli_Chr01	NC_021160.1	46352070	AA	GG	GG	INTRON	101501118	uncharacterized LOC101501118
SNP_6029B_46352104	Ca_Kabuli_Chr01	NC_021160.1	46352104	AA	GG	GG	INTRON	101501118	uncharacterized LOC101501118
SNP_6031B_46352220	Ca_Kabuli_Chr01	NC_021160.1	46352220	TT	GG	GG	INTRON	101501118	uncharacterized LOC101501118
SNP_6032B_46352257	Ca_Kabuli_Chr01	NC_021160.1	46352257	CC	GG	GG	INTRON	101501118	uncharacterized LOC101501118
SNP_6033B_46352258	Ca_Kabuli_Chr01	NC_021160.1	46352258	CC	TT	TT	INTRON	101501118	uncharacterized LOC101501118
SNP_6034B_46352262	Ca_Kabuli_Chr01	NC_021160.1	46352262	TT	CC	CC	INTRON	101501118	uncharacterized LOC101501118
SNP_6035B_46352291	Ca_Kabuli_Chr01	NC_021160.1	46352291	CC	TT	TT	INTRON	101501118	uncharacterized LOC101501118
SNP_6037B_46499742	Ca_Kabuli_Chr01	NC_021160.1	46499742	GG	TT	TT	INTRON	101501431	serine carboxypeptidase-like 45
SNP_6038B_46507224	Ca_Kabuli_Chr01	NC_021160.1	46507224	GG	AA	AA	URR	101501431	serine carboxypeptidase-like 45
SNP_6039B_46523221	Ca_Kabuli_Chr01	NC_021160.1	46523221	TT	CC	CC	NON_SYNONYMOUS_CODING	101501746	ethylene-responsive transcription factor ERF027-like
SNP_6041B_46523582	Ca_Kabuli_Chr01	NC_021160.1	46523582	AA	CC	CC	URR	101501746	ethylene-responsive transcription factor ERF027-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_6042B_46524525	Ca_Kabuli_Chr01	NC_021160.1	46524525	TT	GG	GG	URR	101501746	ethylene-responsive transcription factor ERF027-like
SNP_6043B_46524696	Ca_Kabuli_Chr01	NC_021160.1	46524696	CC	GG	GG	URR	101501746	ethylene-responsive transcription factor ERF027-like
SNP_6044B_46524740	Ca_Kabuli_Chr01	NC_021160.1	46524740	GG	TT	TT	URR	101501746	ethylene-responsive transcription factor ERF027-like
SNP_6045B_46525525	Ca_Kabuli_Chr01	NC_021160.1	46525525	GG	AA	AA	INTERGENIC		
SNP_6046B_46526315	Ca_Kabuli_Chr01	NC_021160.1	46526315	TT	CC	CC	INTERGENIC		
SNP_6048B_46527842	Ca_Kabuli_Chr01	NC_021160.1	46527842	GG	TT	TT	INTERGENIC		
SNP_6049B_46528205	Ca_Kabuli_Chr01	NC_021160.1	46528205	TT	CC	CC	INTERGENIC		
SNP_6051B_46528669	Ca_Kabuli_Chr01	NC_021160.1	46528669	CC	TT	TT	INTERGENIC		
SNP_6052B_46528715	Ca_Kabuli_Chr01	NC_021160.1	46528715	AA	GG	GG	INTERGENIC		
SNP_6054B_46528767	Ca_Kabuli_Chr01	NC_021160.1	46528767	AA	GG	GG	INTERGENIC		
SNP_6055B_46529096	Ca_Kabuli_Chr01	NC_021160.1	46529096	TT	CC	CC	INTERGENIC		
SNP_6056B_46529312	Ca_Kabuli_Chr01	NC_021160.1	46529312	AA	GG	GG	INTERGENIC		
SNP_6057B_46529335	Ca_Kabuli_Chr01	NC_021160.1	46529335	TT	CC	CC	INTERGENIC		
SNP_6058B_46529530	Ca_Kabuli_Chr01	NC_021160.1	46529530	AA	GG	GG	INTERGENIC		
SNP_6059B_46529554	Ca_Kabuli_Chr01	NC_021160.1	46529554	AA	GG	GG	INTERGENIC		
SNP_6060B_46529691	Ca_Kabuli_Chr01	NC_021160.1	46529691	GG	AA	AA	INTERGENIC		
SNP_6061B_46529764	Ca_Kabuli_Chr01	NC_021160.1	46529764	TT	GG	GG	INTERGENIC		
SNP_6062B_46529977	Ca_Kabuli_Chr01	NC_021160.1	46529977	CC	TT	TT	INTERGENIC		
SNP_6063B_46530174	Ca_Kabuli_Chr01	NC_021160.1	46530174	AA	GG	GG	INTERGENIC		
SNP_6064B_46530275	Ca_Kabuli_Chr01	NC_021160.1	46530275	GG	AA	AA	INTERGENIC		
SNP_6065B_46530475	Ca_Kabuli_Chr01	NC_021160.1	46530475	CC	GG	GG	INTERGENIC		
SNP_6066B_46530546	Ca_Kabuli_Chr01	NC_021160.1	46530546	GG	AA	AA	DRR	101497567	uncharacterized LOC101497567
SNP_6067B_46530832	Ca_Kabuli_Chr01	NC_021160.1	46530832	GG	AA	AA	DRR	101497567	uncharacterized LOC101497567
SNP_6069B_46531318	Ca_Kabuli_Chr01	NC_021160.1	46531318	AA	GG	GG	DRR	101497567	uncharacterized LOC101497567

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_6070B_46534819	Ca_Kabuli_Chr01	NC_021160.1	46534819	GG	AA	AA	INTERGENIC		
SNP_6071B_46534829	Ca_Kabuli_Chr01	NC_021160.1	46534829	AA	TT	TT	INTERGENIC		
SNP_6072B_46538684	Ca_Kabuli_Chr01	NC_021160.1	46538684	AA	TT	TT	INTERGENIC		
SNP_6073B_46538685	Ca_Kabuli_Chr01	NC_021160.1	46538685	CC	GG	GG	INTERGENIC		
SNP_6074B_46538708	Ca_Kabuli_Chr01	NC_021160.1	46538708	CC	GG	GG	INTERGENIC		
SNP_6075B_46538713	Ca_Kabuli_Chr01	NC_021160.1	46538713	CC	TT	TT	INTERGENIC		
SNP_6076B_46538715	Ca_Kabuli_Chr01	NC_021160.1	46538715	AA	GG	GG	INTERGENIC		
SNP_6077B_46538857	Ca_Kabuli_Chr01	NC_021160.1	46538857	GG	TT	TT	INTERGENIC		
SNP_6078B_46538858	Ca_Kabuli_Chr01	NC_021160.1	46538858	TT	CC	CC	INTERGENIC		
SNP_6079B_46539156	Ca_Kabuli_Chr01	NC_021160.1	46539156	AA	GG	GG	INTERGENIC		
SNP_6082B_46539601	Ca_Kabuli_Chr01	NC_021160.1	46539601	CC	TT	TT	INTERGENIC		
SNP_6083B_46565798	Ca_Kabuli_Chr01	NC_021160.1	46565798	TT	CC	CC	INTERGENIC		
SNP_6084B_46566162	Ca_Kabuli_Chr01	NC_021160.1	46566162	AA	TT	TT	INTERGENIC		
SNP_6085B_46568456	Ca_Kabuli_Chr01	NC_021160.1	46568456	TT	CC	CC	INTERGENIC		
SNP_6086B_46568457	Ca_Kabuli_Chr01	NC_021160.1	46568457	GG	AA	AA	INTERGENIC		
SNP_6087B_46568793	Ca_Kabuli_Chr01	NC_021160.1	46568793	TT	CC	CC	INTERGENIC		
SNP_6088B_46619680	Ca_Kabuli_Chr01	NC_021160.1	46619680	CC	TT	TT	URR	101502070	omega-hydroxypalmitate O-feruloyl transferase
SNP_6090B_46660539	Ca_Kabuli_Chr01	NC_021160.1	46660539	AA	CC	CC	INTERGENIC		
SNP_6091B_46661624	Ca_Kabuli_Chr01	NC_021160.1	46661624	TT	AA	AA	INTERGENIC		
SNP_6092B_46661658	Ca_Kabuli_Chr01	NC_021160.1	46661658	TT	CC	CC	INTERGENIC		
SNP_6093B_46661756	Ca_Kabuli_Chr01	NC_021160.1	46661756	GG	CC	CC	INTERGENIC		
SNP_6095B_46662080	Ca_Kabuli_Chr01	NC_021160.1	46662080	CC	TT	TT	DRR	101502701	uncharacterized LOC101502701
SNP_6096B_46699359	Ca_Kabuli_Chr01	NC_021160.1	46699359	AA	TT	TT	INTERGENIC		
SNP_6097B_46699362	Ca_Kabuli_Chr01	NC_021160.1	46699362	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_6098B_46699365	Ca_Kabuli_Chr01	NC_021160.1	46699365	TT	AA	AA	INTERGENIC		
SNP_6099B_46699371	Ca_Kabuli_Chr01	NC_021160.1	46699371	AA	GG	GG	INTERGENIC		
SNP_6100B_46699381	Ca_Kabuli_Chr01	NC_021160.1	46699381	TT	CC	CC	INTERGENIC		
SNP_6101B_46699386	Ca_Kabuli_Chr01	NC_021160.1	46699386	GG	AA	AA	INTERGENIC		
SNP_6102B_46699389	Ca_Kabuli_Chr01	NC_021160.1	46699389	CC	AA	AA	INTERGENIC		
SNP_6103B_46701149	Ca_Kabuli_Chr01	NC_021160.1	46701149	AA	TT	TT	INTERGENIC		
SNP_6104B_46701278	Ca_Kabuli_Chr01	NC_021160.1	46701278	AA	GG	GG	INTERGENIC		
SNP_6105B_46701575	Ca_Kabuli_Chr01	NC_021160.1	46701575	GG	AA	AA	INTERGENIC		
SNP_6106B_46801179	Ca_Kabuli_Chr01	NC_021160.1	46801179	AA	GG	GG	INTERGENIC		
SNP_6107B_46801543	Ca_Kabuli_Chr01	NC_021160.1	46801543	TT	AA	AA	INTERGENIC		
SNP_6108B_46801706	Ca_Kabuli_Chr01	NC_021160.1	46801706	CC	AA	AA	INTERGENIC		
SNP_6109B_46819052	Ca_Kabuli_Chr01	NC_021160.1	46819052	CC	TT	TT	INTRON	id24556	Unknown function
SNP_6110B_46819079	Ca_Kabuli_Chr01	NC_021160.1	46819079	TT	AA	AA	INTRON	id24556	Unknown function
SNP_6111B_46819223	Ca_Kabuli_Chr01	NC_021160.1	46819223	AA	GG	GG	INTRON	id24556	Unknown function
SNP_6112B_46819439	Ca_Kabuli_Chr01	NC_021160.1	46819439	GG	AA	AA	INTRON	id24556	Unknown function
SNP_6113B_46819853	Ca_Kabuli_Chr01	NC_021160.1	46819853	CC	TT	TT	INTRON	id24556	Unknown function
SNP_6114B_46819949	Ca_Kabuli_Chr01	NC_021160.1	46819949	GG	AA	AA	INTRON	id24556	Unknown function
SNP_6115B_46822788	Ca_Kabuli_Chr01	NC_021160.1	46822788	CC	TT	TT	INTRON	id24556	Unknown function
SNP_6116B_46831609	Ca_Kabuli_Chr01	NC_021160.1	46831609	TT	GG	GG	INTERGENIC		
SNP_6117B_46831616	Ca_Kabuli_Chr01	NC_021160.1	46831616	GG	CC	CC	INTERGENIC		
SNP_6118B_46831661	Ca_Kabuli_Chr01	NC_021160.1	46831661	AA	TT	TT	INTERGENIC		
SNP_6120B_46831978	Ca_Kabuli_Chr01	NC_021160.1	46831978	AA	GG	GG	INTERGENIC		
SNP_6121B_46831997	Ca_Kabuli_Chr01	NC_021160.1	46831997	GG	AA	AA	INTERGENIC		
SNP_6122B_46832007	Ca_Kabuli_Chr01	NC_021160.1	46832007	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_6123B_46832040	Ca_Kabuli_Chr01	NC_021160.1	46832040	TT	GG	GG	INTERGENIC		
SNP_6124B_46848921	Ca_Kabuli_Chr01	NC_021160.1	46848921	AA	GG	GG	INTRON	101507455	Unknown function
SNP_6125B_46848940	Ca_Kabuli_Chr01	NC_021160.1	46848940	AA	GG	GG	INTRON	101507455	Unknown function
SNP_6126B_46848952	Ca_Kabuli_Chr01	NC_021160.1	46848952	AA	CC	CC	INTRON	101507455	Unknown function
SNP_6127B_46851810	Ca_Kabuli_Chr01	NC_021160.1	46851810	AA	GG	GG	URR	101507455	Unknown function
SNP_6128B_46856189	Ca_Kabuli_Chr01	NC_021160.1	46856189	TT	CC	CC	INTERGENIC		
SNP_6129B_46867324	Ca_Kabuli_Chr01	NC_021160.1	46867324	AA	CC	CC	INTERGENIC		
SNP_6130B_46867345	Ca_Kabuli_Chr01	NC_021160.1	46867345	TT	CC	CC	INTERGENIC		
SNP_6132B_46869159	Ca_Kabuli_Chr01	NC_021160.1	46869159	GG	AA	AA	INTERGENIC		
SNP_6133B_46884109	Ca_Kabuli_Chr01	NC_021160.1	46884109	GG	AA	AA	INTERGENIC		
SNP_6134B_46894685	Ca_Kabuli_Chr01	NC_021160.1	46894685	AA	GG	GG	INTERGENIC		
SNP_6135B_46894736	Ca_Kabuli_Chr01	NC_021160.1	46894736	AA	CC	CC	INTERGENIC		
SNP_6136B_46894766	Ca_Kabuli_Chr01	NC_021160.1	46894766	CC	TT	TT	INTERGENIC		
SNP_6137B_46894790	Ca_Kabuli_Chr01	NC_021160.1	46894790	CC	TT	TT	INTERGENIC		
SNP_6138B_46894870	Ca_Kabuli_Chr01	NC_021160.1	46894870	GG	AA	AA	INTERGENIC		
SNP_6139B_46894878	Ca_Kabuli_Chr01	NC_021160.1	46894878	GG	TT	TT	INTERGENIC		
SNP_6140B_46895162	Ca_Kabuli_Chr01	NC_021160.1	46895162	GG	AA	AA	INTERGENIC		
SNP_6141B_46895210	Ca_Kabuli_Chr01	NC_021160.1	46895210	AA	GG	GG	INTERGENIC		
SNP_6142B_46895231	Ca_Kabuli_Chr01	NC_021160.1	46895231	AA	GG	GG	INTERGENIC		
SNP_6143B_46895234	Ca_Kabuli_Chr01	NC_021160.1	46895234	AA	GG	GG	INTERGENIC		
SNP_6145B_46978546	Ca_Kabuli_Chr01	NC_021160.1	46978546	CC	AA	AA	INTRON	101510529	alpha,alpha-trehalose-phosphate synthase [UDP-forming] 1
SNP_6146B_47058323	Ca_Kabuli_Chr01	NC_021160.1	47058323	TT	AA	AA	INTERGENIC		
SNP_6147B_47058329	Ca_Kabuli_Chr01	NC_021160.1	47058329	TT	GG	GG	INTERGENIC		
SNP_6148B_47058684	Ca_Kabuli_Chr01	NC_021160.1	47058684	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_6149B_47059122	Ca_Kabuli_Chr01	NC_021160.1	47059122	AA	GG	GG	INTERGENIC		
SNP_6150B_47059137	Ca_Kabuli_Chr01	NC_021160.1	47059137	CC	GG	GG	INTERGENIC		
SNP_6151B_47059186	Ca_Kabuli_Chr01	NC_021160.1	47059186	AA	CC	CC	INTERGENIC		
SNP_6152B_47059330	Ca_Kabuli_Chr01	NC_021160.1	47059330	GG	TT	TT	INTERGENIC		
SNP_6153B_47069742	Ca_Kabuli_Chr01	NC_021160.1	47069742	CC	GG	GG	INTERGENIC		
SNP_6154B_47069743	Ca_Kabuli_Chr01	NC_021160.1	47069743	AA	TT	TT	INTERGENIC		
SNP_6156B_47209400	Ca_Kabuli_Chr01	NC_021160.1	47209400	TT	GG	GG	INTRON	101511176	uncharacterized LOC101511176
SNP_6157B_47277083	Ca_Kabuli_Chr01	NC_021160.1	47277083	GG	TT	TT	INTRON	101515283	uncharacterized LOC101515283
SNP_6158B_47303762	Ca_Kabuli_Chr01	NC_021160.1	47303762	AA	TT	TT	INTERGENIC		
SNP_6160B_47507721	Ca_Kabuli_Chr01	NC_021160.1	47507721	CC	AA	AA	INTERGENIC		
SNP_6161B_47510901	Ca_Kabuli_Chr01	NC_021160.1	47510901	AA	GG	GG	INTERGENIC		
SNP_6162B_47519418	Ca_Kabuli_Chr01	NC_021160.1	47519418	CC	AA	AA	INTERGENIC		
SNP_6163B_47585085	Ca_Kabuli_Chr01	NC_021160.1	47585085	CC	TT	TT	INTERGENIC		
SNP_6164B_47626954	Ca_Kabuli_Chr01	NC_021160.1	47626954	CC	TT	TT	INTERGENIC		
SNP_6165B_47630499	Ca_Kabuli_Chr01	NC_021160.1	47630499	TT	CC	CC	NON_SYNONYMOUS_CODING	101514729	uncharacterized LOC101514729
SNP_6166B_47630502	Ca_Kabuli_Chr01	NC_021160.1	47630502	CC	AA	AA	STOP_GAINED	101514729	uncharacterized LOC101514729
SNP_6168B_47630795	Ca_Kabuli_Chr01	NC_021160.1	47630795	AA	GG	GG	URR	101514729	uncharacterized LOC101514729
SNP_6169B_47633364	Ca_Kabuli_Chr01	NC_021160.1	47633364	CC	TT	TT	INTERGENIC		
SNP_6171B_47771112	Ca_Kabuli_Chr01	NC_021160.1	47771112	AA	GG	GG	URR	101495278	tubby-like F-box protein 7
SNP_6172B_47771205	Ca_Kabuli_Chr01	NC_021160.1	47771205	AA	GG	GG	DRR	101515713	uncharacterized LOC101515713
SNP_6174B_47771271	Ca_Kabuli_Chr01	NC_021160.1	47771271	TT	GG	GG	DRR	101515713	uncharacterized LOC101515713
SNP_6175B_47838374	Ca_Kabuli_Chr01	NC_021160.1	47838374	AA	GG	GG	INTERGENIC		
SNP_6176B_47838380	Ca_Kabuli_Chr01	NC_021160.1	47838380	GG	AA	AA	INTERGENIC		
SNP_6177B_47839097	Ca_Kabuli_Chr01	NC_021160.1	47839097	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_6178B_47839636	Ca_Kabuli_Chr01	NC_021160.1	47839636	AA	GG	GG	INTERGENIC		
SNP_6179B_47839661	Ca_Kabuli_Chr01	NC_021160.1	47839661	GG	TT	TT	INTERGENIC		
SNP_6180B_47847397	Ca_Kabuli_Chr01	NC_021160.1	47847397	CC	TT	TT	SYNONYMOUS_CODING	101497568	epidermis-specific secreted glycoprotein EP1
SNP_6181B_47859769	Ca_Kabuli_Chr01	NC_021160.1	47859769	AA	GG	GG	INTERGENIC		
SNP_6182B_47875083	Ca_Kabuli_Chr01	NC_021160.1	47875083	AA	TT	TT	INTERGENIC		
SNP_6183B_47875218	Ca_Kabuli_Chr01	NC_021160.1	47875218	AA	TT	TT	INTERGENIC		
SNP_6184B_47875223	Ca_Kabuli_Chr01	NC_021160.1	47875223	AA	GG	GG	INTERGENIC		
SNP_6185B_47875314	Ca_Kabuli_Chr01	NC_021160.1	47875314	GG	TT	TT	INTERGENIC		
SNP_6186B_47875440	Ca_Kabuli_Chr01	NC_021160.1	47875440	GG	AA	AA	INTERGENIC		
SNP_6187B_47875521	Ca_Kabuli_Chr01	NC_021160.1	47875521	AA	GG	GG	INTERGENIC		
SNP_6188B_47913363	Ca_Kabuli_Chr01	NC_021160.1	47913363	GG	AA	AA	URR	101498552	14-3-3-like protein D
SNP_6189B_47960462	Ca_Kabuli_Chr01	NC_021160.1	47960462	TT	AA	AA	INTERGENIC		
SNP_6191B_48069650	Ca_Kabuli_Chr01	NC_021160.1	48069650	AA	CC	CC	INTERGENIC		
SNP_6192B_48071249	Ca_Kabuli_Chr01	NC_021160.1	48071249	AA	GG	GG	INTERGENIC		
SNP_6193B_48071258	Ca_Kabuli_Chr01	NC_021160.1	48071258	AA	CC	CC	INTERGENIC		
SNP_6194B_48071260	Ca_Kabuli_Chr01	NC_021160.1	48071260	AA	GG	GG	INTERGENIC		
SNP_6195B_48071274	Ca_Kabuli_Chr01	NC_021160.1	48071274	AA	GG	GG	INTERGENIC		
SNP_6196B_48071289	Ca_Kabuli_Chr01	NC_021160.1	48071289	GG	AA	AA	INTERGENIC		
SNP_6197B_48071290	Ca_Kabuli_Chr01	NC_021160.1	48071290	TT	GG	GG	INTERGENIC		
SNP_6198B_48071373	Ca_Kabuli_Chr01	NC_021160.1	48071373	AA	GG	GG	INTERGENIC		
SNP_6199B_48071479	Ca_Kabuli_Chr01	NC_021160.1	48071479	TT	CC	CC	INTERGENIC		
SNP_6200B_48071904	Ca_Kabuli_Chr01	NC_021160.1	48071904	CC	GG	GG	INTERGENIC		
SNP_6201B_48091753	Ca_Kabuli_Chr01	NC_021160.1	48091753	TT	CC	CC	INTERGENIC		
SNP_6202B_48223068	Ca_Kabuli_Chr01	NC_021160.1	48223068	AA	CC	CC	URR	101506680	protein polybromo-1-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_6203B_48223110	Ca_Kabuli_Chr01	NC_021160.1	48223110	CC	TT	TT	URR	101506680	protein polybromo-1-like
SNP_6204B_48240297	Ca_Kabuli_Chr01	NC_021160.1	48240297	TT	AA	AA	INTRON	101490110	uncharacterized LOC101490110
SNP_6205B_48246915	Ca_Kabuli_Chr01	NC_021160.1	48246915	GG	AA	AA	URR	101490438	uncharacterized LOC101490438
SNP_6206B_48350311	Ca_Kabuli_Chr01	NC_021160.1	48350311	TT	CC	CC	INTERGENIC		
SNP_6208B_42046	Ca_Kabuli_Chr02	NC_021161.1	42046	CC	TT	TT	INTERGENIC		
SNP_6210B_42433	Ca_Kabuli_Chr02	NC_021161.1	42433	AA	GG	GG	INTERGENIC		
SNP_6211B_42678	Ca_Kabuli_Chr02	NC_021161.1	42678	AA	GG	GG	INTERGENIC		
SNP_6213B_49284	Ca_Kabuli_Chr02	NC_021161.1	49284	CC	AA	AA	INTERGENIC		
SNP_6214B_70724	Ca_Kabuli_Chr02	NC_021161.1	70724	CC	TT	TT	INTERGENIC		
SNP_6215B_70737	Ca_Kabuli_Chr02	NC_021161.1	70737	TT	CC	CC	INTERGENIC		
SNP_6216B_201151	Ca_Kabuli_Chr02	NC_021161.1	201151	GG	AA	AA	INTERGENIC		
SNP_6217B_213709	Ca_Kabuli_Chr02	NC_021161.1	213709	CC	TT	TT	URR	101497801	mannose-6-phosphate isomerase 1-like
SNP_6218B_390044	Ca_Kabuli_Chr02	NC_021161.1	390044	GG	AA	AA	INTERGENIC		
SNP_6220B_421743	Ca_Kabuli_Chr02	NC_021161.1	421743	TT	AA	AA	INTERGENIC		
SNP_6221B_435691	Ca_Kabuli_Chr02	NC_021161.1	435691	TT	AA	AA	URR	101511924	adenylate isopentenyltransferase 5, chloroplastic-like
SNP_6223B_478241	Ca_Kabuli_Chr02	NC_021161.1	478241	TT	AA	AA	DRR	101501121	uncharacterized LOC101501121
SNP_6224B_488610	Ca_Kabuli_Chr02	NC_021161.1	488610	TT	CC	CC	URR	101501433	NADPH-dependent diflavin oxidoreductase 1
SNP_6225B_496790	Ca_Kabuli_Chr02	NC_021161.1	496790	CC	AA	AA	INTERGENIC		
SNP_6226B_496793	Ca_Kabuli_Chr02	NC_021161.1	496793	AA	GG	GG	INTERGENIC		
SNP_6227B_496811	Ca_Kabuli_Chr02	NC_021161.1	496811	TT	CC	CC	INTERGENIC		
SNP_6228B_503369	Ca_Kabuli_Chr02	NC_021161.1	503369	CC	AA	AA	INTERGENIC		
SNP_6229B_503376	Ca_Kabuli_Chr02	NC_021161.1	503376	AA	TT	TT	INTERGENIC		
SNP_6230B_600871	Ca_Kabuli_Chr02	NC_021161.1	600871	AA	TT	TT	INTERGENIC		
SNP_6231B_621681	Ca_Kabuli_Chr02	NC_021161.1	621681	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_6232B_622070	Ca_Kabuli_Chr02	NC_021161.1	622070	AA	TT	GG	INTERGENIC		
SNP_6233B_622099	Ca_Kabuli_Chr02	NC_021161.1	622099	TT	CC	CC	INTERGENIC		
SNP_6234B_622285	Ca_Kabuli_Chr02	NC_021161.1	622285	AA	GG	GG	INTERGENIC		
SNP_6235B_622304	Ca_Kabuli_Chr02	NC_021161.1	622304	AA	GG	GG	INTERGENIC		
SNP_6236B_622310	Ca_Kabuli_Chr02	NC_021161.1	622310	TT	CC	CC	INTERGENIC		
SNP_6237B_636222	Ca_Kabuli_Chr02	NC_021161.1	636222	GG	TT	TT	INTERGENIC		
SNP_6239B_636296	Ca_Kabuli_Chr02	NC_021161.1	636296	CC	TT	TT	INTERGENIC		
SNP_6240B_636944	Ca_Kabuli_Chr02	NC_021161.1	636944	CC	TT	TT	INTERGENIC		
SNP_6241B_644518	Ca_Kabuli_Chr02	NC_021161.1	644518	GG	AA	AA	INTERGENIC		
SNP_6242B_722961	Ca_Kabuli_Chr02	NC_021161.1	722961	CC	TT	TT	INTERGENIC		
SNP_6244B_857169	Ca_Kabuli_Chr02	NC_021161.1	857169	TT	AA	AA	INTERGENIC		
SNP_6245B_866639	Ca_Kabuli_Chr02	NC_021161.1	866639	CC	TT	TT	INTRON	101513851	uncharacterized LOC101513851
SNP_6246B_931417	Ca_Kabuli_Chr02	NC_021161.1	931417	GG	AA	AA	URR	101514521	uncharacterized LOC101514521
SNP_6247B_931426	Ca_Kabuli_Chr02	NC_021161.1	931426	AA	GG	GG	URR	101514521	uncharacterized LOC101514521
SNP_6249B_1022363	Ca_Kabuli_Chr02	NC_021161.1	1022363	AA	TT	TT	INTRON	101506907	protein NRT1/ PTR FAMILY 6.1
SNP_6250B_1022364	Ca_Kabuli_Chr02	NC_021161.1	1022364	AA	GG	GG	INTRON	101506907	protein NRT1/ PTR FAMILY 6.1
SNP_6252B_1040110	Ca_Kabuli_Chr02	NC_021161.1	1040110	GG	CC	CC	INTRON	SKIV2L2	Unknown function
SNP_6253B_1040111	Ca_Kabuli_Chr02	NC_021161.1	1040111	TT	AA	AA	INTRON	SKIV2L2	Unknown function
SNP_6255B_1040131	Ca_Kabuli_Chr02	NC_021161.1	1040131	TT	CC	CC	SYNONYMOUS_CODING	SKIV2L2	Unknown function
SNP_6256B_1041112	Ca_Kabuli_Chr02	NC_021161.1	1041112	AA	GG	GG	INTRON	SKIV2L2	Unknown function
SNP_6257B_1041136	Ca_Kabuli_Chr02	NC_021161.1	1041136	TT	AA	AA	INTRON	SKIV2L2	Unknown function
SNP_6258B_1041205	Ca_Kabuli_Chr02	NC_021161.1	1041205	AA	GG	GG	INTRON	SKIV2L2	Unknown function
SNP_6259B_1041366	Ca_Kabuli_Chr02	NC_021161.1	1041366	GG	AA	AA	NON_SYNONYMOUS_CODING	SKIV2L2	Unknown function
SNP_6260B_1041434	Ca_Kabuli_Chr02	NC_021161.1	1041434	AA	GG	GG	INTRON	SKIV2L2	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_6261B_1041900	Ca_Kabuli_Chr02	NC_021161.1	1041900	AA	TT	TT	INTRON	SKIV2L2	Unknown function
SNP_6262B_1048553	Ca_Kabuli_Chr02	NC_021161.1	1048553	TT	AA	AA	URR	101507765	superkiller viralicidic activity 2-like 2
SNP_6263B_1048661	Ca_Kabuli_Chr02	NC_021161.1	1048661	CC	GG	GG	URR	101507765	superkiller viralicidic activity 2-like 2
SNP_6264B_1048681	Ca_Kabuli_Chr02	NC_021161.1	1048681	TT	AA	AA	URR	101507765	superkiller viralicidic activity 2-like 2
SNP_6265B_1048683	Ca_Kabuli_Chr02	NC_021161.1	1048683	TT	AA	AA	URR	101507765	superkiller viralicidic activity 2-like 2
SNP_6266B_1048684	Ca_Kabuli_Chr02	NC_021161.1	1048684	TT	AA	AA	URR	101507765	superkiller viralicidic activity 2-like 2
SNP_6267B_1048696	Ca_Kabuli_Chr02	NC_021161.1	1048696	TT	CC	CC	URR	101507765	superkiller viralicidic activity 2-like 2
SNP_6268B_1049048	Ca_Kabuli_Chr02	NC_021161.1	1049048	TT	AA	AA	URR	101507765	superkiller viralicidic activity 2-like 2
SNP_6269B_1049331	Ca_Kabuli_Chr02	NC_021161.1	1049331	TT	CC	CC	URR	101507765	superkiller viralicidic activity 2-like 2
SNP_6270B_1073874	Ca_Kabuli_Chr02	NC_021161.1	1073874	TT	AA	AA	INTERGENIC		
SNP_6271B_1075717	Ca_Kabuli_Chr02	NC_021161.1	1075717	GG	AA	AA	INTERGENIC		
SNP_6272B_1134133	Ca_Kabuli_Chr02	NC_021161.1	1134133	AA	TT	TT	INTERGENIC		
SNP_6273B_1148438	Ca_Kabuli_Chr02	NC_021161.1	1148438	GG	AA	AA	INTERGENIC		
SNP_6274B_1230925	Ca_Kabuli_Chr02	NC_021161.1	1230925	TT	CC	CC	INTRON	101491178	inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2-like
SNP_6275B_1292114	Ca_Kabuli_Chr02	NC_021161.1	1292114	TT	AA	AA	URR	101491494	thioredoxin H2
SNP_6276B_1303231	Ca_Kabuli_Chr02	NC_021161.1	1303231	TT	GG	GG	INTERGENIC		
SNP_6277B_1303503	Ca_Kabuli_Chr02	NC_021161.1	1303503	AA	GG	GG	INTERGENIC		
SNP_6278B_1303510	Ca_Kabuli_Chr02	NC_021161.1	1303510	AA	GG	GG	INTERGENIC		
SNP_6279B_1303532	Ca_Kabuli_Chr02	NC_021161.1	1303532	GG	AA	AA	INTERGENIC		
SNP_6280B_1303601	Ca_Kabuli_Chr02	NC_021161.1	1303601	GG	AA	AA	INTERGENIC		
SNP_6281B_1461064	Ca_Kabuli_Chr02	NC_021161.1	1461064	TT	AA	AA	INTERGENIC		
SNP_6282B_1461130	Ca_Kabuli_Chr02	NC_021161.1	1461130	GG	AA	AA	INTERGENIC		
SNP_6283B_1461166	Ca_Kabuli_Chr02	NC_021161.1	1461166	AA	TT	TT	INTERGENIC		
SNP_6284B_1461181	Ca_Kabuli_Chr02	NC_021161.1	1461181	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_6285B_1461186	Ca_Kabuli_Chr02	NC_021161.1	1461186	CC	TT	TT	INTERGENIC		
SNP_6286B_1461351	Ca_Kabuli_Chr02	NC_021161.1	1461351	AA	GG	GG	INTERGENIC		
SNP_6287B_1461498	Ca_Kabuli_Chr02	NC_021161.1	1461498	AA	GG	GG	INTERGENIC		
SNP_6288B_1461532	Ca_Kabuli_Chr02	NC_021161.1	1461532	CC	TT	TT	INTERGENIC		
SNP_6289B_1461620	Ca_Kabuli_Chr02	NC_021161.1	1461620	CC	TT	TT	INTERGENIC		
SNP_6290B_1461633	Ca_Kabuli_Chr02	NC_021161.1	1461633	AA	GG	GG	INTERGENIC		
SNP_6291B_1462422	Ca_Kabuli_Chr02	NC_021161.1	1462422	AA	GG	GG	INTERGENIC		
SNP_6292B_1462557	Ca_Kabuli_Chr02	NC_021161.1	1462557	GG	AA	AA	INTERGENIC		
SNP_6293B_1462573	Ca_Kabuli_Chr02	NC_021161.1	1462573	GG	AA	AA	INTERGENIC		
SNP_6294B_1468345	Ca_Kabuli_Chr02	NC_021161.1	1468345	CC	TT	TT	INTERGENIC		
SNP_6295B_1469712	Ca_Kabuli_Chr02	NC_021161.1	1469712	AA	GG	GG	INTERGENIC		
SNP_6296B_1486616	Ca_Kabuli_Chr02	NC_021161.1	1486616	GG	AA	AA	INTERGENIC		
SNP_6297B_1487116	Ca_Kabuli_Chr02	NC_021161.1	1487116	CC	GG	GG	INTERGENIC		
SNP_6298B_1487149	Ca_Kabuli_Chr02	NC_021161.1	1487149	TT	GG	GG	INTERGENIC		
SNP_6299B_1487155	Ca_Kabuli_Chr02	NC_021161.1	1487155	AA	CC	CC	INTERGENIC		
SNP_6300B_1487606	Ca_Kabuli_Chr02	NC_021161.1	1487606	CC	TT	TT	INTERGENIC		
SNP_6301B_1541723	Ca_Kabuli_Chr02	NC_021161.1	1541723	AA	GG	GG	INTERGENIC		
SNP_6302B_1544105	Ca_Kabuli_Chr02	NC_021161.1	1544105	AA	GG	GG	INTERGENIC		
SNP_6303B_1639786	Ca_Kabuli_Chr02	NC_021161.1	1639786	AA	TT	TT	INTERGENIC		
SNP_6304B_1640042	Ca_Kabuli_Chr02	NC_021161.1	1640042	GG	TT	TT	INTERGENIC		
SNP_6305B_1640052	Ca_Kabuli_Chr02	NC_021161.1	1640052	GG	TT	TT	INTERGENIC		
SNP_6307B_1640275	Ca_Kabuli_Chr02	NC_021161.1	1640275	AA	GG	GG	INTERGENIC		
SNP_6308B_1640440	Ca_Kabuli_Chr02	NC_021161.1	1640440	TT	AA	AA	INTERGENIC		
SNP_6309B_1640449	Ca_Kabuli_Chr02	NC_021161.1	1640449	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_6310B_1640532	Ca_Kabuli_Chr02	NC_021161.1	1640532	AA	TT	TT	INTERGENIC		
SNP_6311B_1640552	Ca_Kabuli_Chr02	NC_021161.1	1640552	TT	CC	CC	INTERGENIC		
SNP_6313B_1640937	Ca_Kabuli_Chr02	NC_021161.1	1640937	TT	AA	AA	INTERGENIC		
SNP_6314B_1640955	Ca_Kabuli_Chr02	NC_021161.1	1640955	TT	CC	CC	INTERGENIC		
SNP_6315B_1640961	Ca_Kabuli_Chr02	NC_021161.1	1640961	CC	TT	TT	INTERGENIC		
SNP_6316B_1640970	Ca_Kabuli_Chr02	NC_021161.1	1640970	CC	TT	TT	INTERGENIC		
SNP_6317B_1640985	Ca_Kabuli_Chr02	NC_021161.1	1640985	AA	GG	GG	INTERGENIC		
SNP_6318B_1650078	Ca_Kabuli_Chr02	NC_021161.1	1650078	AA	GG	GG	URR	101501749	2-hydroxyacyl-CoA lyase
SNP_6319B_1650101	Ca_Kabuli_Chr02	NC_021161.1	1650101	AA	TT	TT	URR	101501749	2-hydroxyacyl-CoA lyase
SNP_6321B_1730275	Ca_Kabuli_Chr02	NC_021161.1	1730275	GG	TT	TT	DRR	101504648	Unknown function
SNP_6322B_1754562	Ca_Kabuli_Chr02	NC_021161.1	1754562	TT	GG	GG	INTRON	101506043	DNA-directed RNA polymerases II, IV and V subunit 11
SNP_6323B_1792551	Ca_Kabuli_Chr02	NC_021161.1	1792551	CC	TT	TT	DRR	101509783	P24 oleosin isoform A-like
SNP_6324B_1809752	Ca_Kabuli_Chr02	NC_021161.1	1809752	TT	GG	GG	DRR	101510855	pentatricopeptide repeat-containing protein At5g40400
SNP_6327B_1946863	Ca_Kabuli_Chr02	NC_021161.1	1946863	AA	CC	CC	URR	101488816	putative germin-like protein 2-1
SNP_6328B_2073018	Ca_Kabuli_Chr02	NC_021161.1	2073018	AA	GG	GG	INTERGENIC		
SNP_6329B_2073063	Ca_Kabuli_Chr02	NC_021161.1	2073063	GG	TT	TT	INTERGENIC		
SNP_6330B_2156477	Ca_Kabuli_Chr02	NC_021161.1	2156477	AA	CC	CC	INTERGENIC		
SNP_6333B_2186819	Ca_Kabuli_Chr02	NC_021161.1	2186819	CC	TT	TT	INTERGENIC		
SNP_6334B_2326382	Ca_Kabuli_Chr02	NC_021161.1	2326382	TT	CC	CC	INTERGENIC		
SNP_6335B_2338678	Ca_Kabuli_Chr02	NC_021161.1	2338678	AA	CC	CC	INTRON	101489473	disease resistance protein RGA2-like
SNP_6336B_2369686	Ca_Kabuli_Chr02	NC_021161.1	2369686	TT	CC	CC	URR	101505391	peptidyl-prolyl cis-trans isomerase CYP38, chloroplastic
SNP_6337B_2374795	Ca_Kabuli_Chr02	NC_021161.1	2374795	CC	TT	TT	DRR	101505723	bidirectional sugar transporter SWEET7b-like
SNP_6339B_2394580	Ca_Kabuli_Chr02	NC_021161.1	2394580	TT	CC	CC	DRR	101506361	probable calcium-binding protein CML13
SNP_6340B_2481720	Ca_Kabuli_Chr02	NC_021161.1	2481720	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_6341B_2628676	Ca_Kabuli_Chr02	NC_021161.1	2628676	GG	TT	TT	INTERGENIC		
SNP_6342B_2672825	Ca_Kabuli_Chr02	NC_021161.1	2672825	AA	GG	GG	DRR	101514634	uncharacterized LOC101514634
SNP_6344B_2702342	Ca_Kabuli_Chr02	NC_021161.1	2702342	CC	TT	TT	URR	101497245	chloroplastic group IIA intron splicing facilitator CRS1, chloroplastic
SNP_6346B_2854535	Ca_Kabuli_Chr02	NC_021161.1	2854535	AA	GG	GG	INTERGENIC		
SNP_6347B_2879541	Ca_Kabuli_Chr02	NC_021161.1	2879541	AA	GG	GG	URR	101503254	uncharacterized LOC101503254
SNP_6348B_2919159	Ca_Kabuli_Chr02	NC_021161.1	2919159	TT	GG	GG	INTERGENIC		
SNP_6349B_2921467	Ca_Kabuli_Chr02	NC_021161.1	2921467	TT	CC	CC	INTRON	101504218	thaumatin-like protein
SNP_6350B_2934659	Ca_Kabuli_Chr02	NC_021161.1	2934659	AA	GG	GG	INTRON	101489030	probable mitochondrial chaperone BCS1-A
SNP_6351B_2935058	Ca_Kabuli_Chr02	NC_021161.1	2935058	AA	TT	TT	INTRON	101489030	probable mitochondrial chaperone BCS1-A
SNP_6352B_2935191	Ca_Kabuli_Chr02	NC_021161.1	2935191	AA	GG	GG	INTRON	101489030	probable mitochondrial chaperone BCS1-A
SNP_6353B_2940776	Ca_Kabuli_Chr02	NC_021161.1	2940776	CC	TT	TT	INTERGENIC		
SNP_6354B_2940778	Ca_Kabuli_Chr02	NC_021161.1	2940778	GG	AA	AA	INTERGENIC		
SNP_6355B_2940896	Ca_Kabuli_Chr02	NC_021161.1	2940896	TT	CC	CC	INTERGENIC		
SNP_6356B_2941609	Ca_Kabuli_Chr02	NC_021161.1	2941609	CC	TT	TT	INTERGENIC		
SNP_6357B_2942928	Ca_Kabuli_Chr02	NC_021161.1	2942928	AA	GG	GG	DRR	101489360	probable mitochondrial chaperone BCS1-A
SNP_6358B_2950321	Ca_Kabuli_Chr02	NC_021161.1	2950321	AA	CC	CC	INTERGENIC		
SNP_6359B_2950349	Ca_Kabuli_Chr02	NC_021161.1	2950349	AA	GG	GG	INTERGENIC		
SNP_6360B_2950863	Ca_Kabuli_Chr02	NC_021161.1	2950863	AA	GG	GG	INTERGENIC		
SNP_6361B_2950874	Ca_Kabuli_Chr02	NC_021161.1	2950874	AA	GG	GG	INTERGENIC		
SNP_6362B_2950943	Ca_Kabuli_Chr02	NC_021161.1	2950943	TT	CC	CC	INTERGENIC		
SNP_6363B_2951049	Ca_Kabuli_Chr02	NC_021161.1	2951049	TT	CC	CC	INTERGENIC		
SNP_6364B_2960357	Ca_Kabuli_Chr02	NC_021161.1	2960357	GG	CC	CC	INTRON	101505277	probable mitochondrial chaperone BCS1-A
SNP_6365B_2960483	Ca_Kabuli_Chr02	NC_021161.1	2960483	CC	TT	TT	INTRON	101505277	probable mitochondrial chaperone BCS1-A
SNP_6366B_2964905	Ca_Kabuli_Chr02	NC_021161.1	2964905	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_6368B_2984188	Ca_Kabuli_Chr02	NC_021161.1	2984188	AA	TT	TT	INTERGENIC		
SNP_6369B_2985967	Ca_Kabuli_Chr02	NC_021161.1	2985967	CC	TT	TT	INTERGENIC		
SNP_6370B_2996162	Ca_Kabuli_Chr02	NC_021161.1	2996162	TT	CC	CC	DRR	101505930	probable mitochondrial chaperone BCS1-B
SNP_6372B_2996194	Ca_Kabuli_Chr02	NC_021161.1	2996194	AA	TT	TT	DRR	101505930	probable mitochondrial chaperone BCS1-B
SNP_6373B_2996217	Ca_Kabuli_Chr02	NC_021161.1	2996217	TT	AA	AA	DRR	101505930	probable mitochondrial chaperone BCS1-B
SNP_6374B_2996606	Ca_Kabuli_Chr02	NC_021161.1	2996606	AA	CC	CC	URR	101490005	Unknown function
SNP_6376B_2998285	Ca_Kabuli_Chr02	NC_021161.1	2998285	GG	AA	AA	INTERGENIC		
SNP_6377B_2998290	Ca_Kabuli_Chr02	NC_021161.1	2998290	AA	GG	GG	INTERGENIC		
SNP_6378B_2998291	Ca_Kabuli_Chr02	NC_021161.1	2998291	TT	AA	AA	INTERGENIC		
SNP_6379B_2998301	Ca_Kabuli_Chr02	NC_021161.1	2998301	GG	AA	AA	INTERGENIC		
SNP_6380B_2998308	Ca_Kabuli_Chr02	NC_021161.1	2998308	TT	CC	CC	INTERGENIC		
SNP_6381B_3000657	Ca_Kabuli_Chr02	NC_021161.1	3000657	AA	GG	GG	INTERGENIC		
SNP_6382B_3000668	Ca_Kabuli_Chr02	NC_021161.1	3000668	CC	TT	TT	INTERGENIC		
SNP_6383B_3004700	Ca_Kabuli_Chr02	NC_021161.1	3004700	CC	TT	TT	INTERGENIC		
SNP_6384B_3005241	Ca_Kabuli_Chr02	NC_021161.1	3005241	GG	TT	TT	INTERGENIC		
SNP_6385B_3006049	Ca_Kabuli_Chr02	NC_021161.1	3006049	CC	AA	AA	INTERGENIC		
SNP_6387B_3009105	Ca_Kabuli_Chr02	NC_021161.1	3009105	AA	GG	GG	INTRON	101506242	xylosyltransferase
SNP_6388B_3009107	Ca_Kabuli_Chr02	NC_021161.1	3009107	GG	TT	TT	INTRON	101506242	xylosyltransferase
SNP_6389B_3013821	Ca_Kabuli_Chr02	NC_021161.1	3013821	CC	TT	TT	INTERGENIC		
SNP_6390B_3015948	Ca_Kabuli_Chr02	NC_021161.1	3015948	TT	GG	GG	INTERGENIC		
SNP_6391B_3016068	Ca_Kabuli_Chr02	NC_021161.1	3016068	TT	CC	CC	INTERGENIC		
SNP_6392B_3016069	Ca_Kabuli_Chr02	NC_021161.1	3016069	CC	AA	AA	INTERGENIC		
SNP_6393B_3016078	Ca_Kabuli_Chr02	NC_021161.1	3016078	TT	CC	CC	INTERGENIC		
SNP_6394B_3018719	Ca_Kabuli_Chr02	NC_021161.1	3018719	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_6395B_3018752	Ca_Kabuli_Chr02	NC_021161.1	3018752	AA	GG	GG	INTERGENIC		
SNP_6396B_3025626	Ca_Kabuli_Chr02	NC_021161.1	3025626	AA	TT	TT	INTERGENIC		
SNP_6397B_3025844	Ca_Kabuli_Chr02	NC_021161.1	3025844	TT	CC	CC	INTERGENIC		
SNP_6398B_3025867	Ca_Kabuli_Chr02	NC_021161.1	3025867	CC	TT	TT	INTERGENIC		
SNP_6399B_3025891	Ca_Kabuli_Chr02	NC_021161.1	3025891	CC	TT	TT	INTERGENIC		
SNP_6400B_3031031	Ca_Kabuli_Chr02	NC_021161.1	3031031	CC	TT	TT	INTERGENIC		
SNP_6401B_3031036	Ca_Kabuli_Chr02	NC_021161.1	3031036	AA	CC	CC	INTERGENIC		
SNP_6402B_3031049	Ca_Kabuli_Chr02	NC_021161.1	3031049	AA	GG	GG	INTERGENIC		
SNP_6403B_3031083	Ca_Kabuli_Chr02	NC_021161.1	3031083	GG	AA	AA	INTERGENIC		
SNP_6404B_3031197	Ca_Kabuli_Chr02	NC_021161.1	3031197	GG	CC	CC	INTERGENIC		
SNP_6405B_3031215	Ca_Kabuli_Chr02	NC_021161.1	3031215	CC	TT	TT	INTERGENIC		
SNP_6407B_3031550	Ca_Kabuli_Chr02	NC_021161.1	3031550	AA	TT	TT	INTERGENIC		
SNP_6409B_3031697	Ca_Kabuli_Chr02	NC_021161.1	3031697	AA	GG	GG	INTERGENIC		
SNP_6410B_3031726	Ca_Kabuli_Chr02	NC_021161.1	3031726	GG	AA	AA	INTERGENIC		
SNP_6411B_3033335	Ca_Kabuli_Chr02	NC_021161.1	3033335	AA	CC	CC	INTERGENIC		
SNP_6412B_3041980	Ca_Kabuli_Chr02	NC_021161.1	3041980	AA	GG	GG	INTERGENIC		
SNP_6413B_3042020	Ca_Kabuli_Chr02	NC_021161.1	3042020	CC	TT	TT	INTERGENIC		
SNP_6416B_3045486	Ca_Kabuli_Chr02	NC_021161.1	3045486	AA	GG	GG	INTRON	101506908	uncharacterized LOC101506908
SNP_6418B_3049345	Ca_Kabuli_Chr02	NC_021161.1	3049345	CC	GG	GG	URR	101506908	uncharacterized LOC101506908
SNP_6420B_3050194	Ca_Kabuli_Chr02	NC_021161.1	3050194	TT	CC	CC	INTERGENIC		
SNP_6421B_3050198	Ca_Kabuli_Chr02	NC_021161.1	3050198	AA	GG	GG	INTERGENIC		
SNP_6422B_3050202	Ca_Kabuli_Chr02	NC_021161.1	3050202	CC	TT	TT	INTERGENIC		
SNP_6423B_3050205	Ca_Kabuli_Chr02	NC_021161.1	3050205	CC	TT	TT	INTERGENIC		
SNP_6424B_3050210	Ca_Kabuli_Chr02	NC_021161.1	3050210	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_6425B_3050250	Ca_Kabuli_Chr02	NC_021161.1	3050250	AA	CC	CC	INTERGENIC		
SNP_6426B_3283404	Ca_Kabuli_Chr02	NC_021161.1	3283404	TT	AA	AA	INTERGENIC		
SNP_6427B_3283408	Ca_Kabuli_Chr02	NC_021161.1	3283408	TT	CC	CC	INTERGENIC		
SNP_6429B_3403994	Ca_Kabuli_Chr02	NC_021161.1	3403994	TT	CC	CC	INTERGENIC		
SNP_6430B_3424690	Ca_Kabuli_Chr02	NC_021161.1	3424690	TT	AA	AA	INTERGENIC		
SNP_6431B_3464758	Ca_Kabuli_Chr02	NC_021161.1	3464758	TT	CC	CC	INTERGENIC		
SNP_6432B_3464830	Ca_Kabuli_Chr02	NC_021161.1	3464830	GG	AA	AA	INTERGENIC		
SNP_6433B_3465184	Ca_Kabuli_Chr02	NC_021161.1	3465184	TT	CC	CC	INTERGENIC		
SNP_6434B_3465368	Ca_Kabuli_Chr02	NC_021161.1	3465368	TT	CC	CC	INTERGENIC		
SNP_6435B_3465370	Ca_Kabuli_Chr02	NC_021161.1	3465370	CC	TT	TT	INTERGENIC		
SNP_6436B_3465379	Ca_Kabuli_Chr02	NC_021161.1	3465379	GG	AA	AA	INTERGENIC		
SNP_6437B_3465395	Ca_Kabuli_Chr02	NC_021161.1	3465395	CC	AA	AA	INTERGENIC		
SNP_6438B_3465396	Ca_Kabuli_Chr02	NC_021161.1	3465396	GG	CC	CC	INTERGENIC		
SNP_6439B_3532699	Ca_Kabuli_Chr02	NC_021161.1	3532699	AA	GG	GG	DRR	101492037	KH domain-containing protein At4g18375
SNP_6440B_3577333	Ca_Kabuli_Chr02	NC_021161.1	3577333	TT	CC	CC	INTERGENIC		
SNP_6441B_3577335	Ca_Kabuli_Chr02	NC_021161.1	3577335	TT	GG	GG	INTERGENIC		
SNP_6442B_3667385	Ca_Kabuli_Chr02	NC_021161.1	3667385	AA	TT	TT	URR	101496701	vesicle transport v-SNARE 13
SNP_6443B_3723075	Ca_Kabuli_Chr02	NC_021161.1	3723075	CC	AA	AA	INTERGENIC		
SNP_6444B_3724991	Ca_Kabuli_Chr02	NC_021161.1	3724991	TT	CC	CC	INTERGENIC		
SNP_6445B_3787731	Ca_Kabuli_Chr02	NC_021161.1	3787731	GG	AA	AA	URR	101501012	probable mitochondrial saccharopine dehydrogenase-like oxidoreductase At5g39410
SNP_6447B_3901632	Ca_Kabuli_Chr02	NC_021161.1	3901632	AA	GG	GG	INTERGENIC		
SNP_6448B_3901640	Ca_Kabuli_Chr02	NC_021161.1	3901640	TT	CC	CC	URR	101506144	alpha-1,4 glucan phosphorylase L isozyme, chloroplastic/amyloplastic
SNP_6449B_3901712	Ca_Kabuli_Chr02	NC_021161.1	3901712	AA	CC	CC	URR	101506144	alpha-1,4 glucan phosphorylase L isozyme, chloroplastic/amyloplastic
SNP_6450B_3901717	Ca_Kabuli_Chr02	NC_021161.1	3901717	TT	GG	GG	URR	101506144	alpha-1,4 glucan phosphorylase L isozyme, chloroplastic/amyloplastic

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_6451B_3901729	Ca_Kabuli_Chr02	NC_021161.1	3901729	CC	AA	AA	URR	101506144	alpha-1,4 glucan phosphorylase L isozyme, chloroplastic/amyloplastic
SNP_6455B_4012541	Ca_Kabuli_Chr02	NC_021161.1	4012541	GG	AA	AA	URR	101510753	phenolic glucoside malonyltransferase 1-like
SNP_6456B_4163297	Ca_Kabuli_Chr02	NC_021161.1	4163297	GG	AA	AA	INTERGENIC		
SNP_6457B_4186706	Ca_Kabuli_Chr02	NC_021161.1	4186706	AA	GG	GG	INTERGENIC		
SNP_6458B_4192590	Ca_Kabuli_Chr02	NC_021161.1	4192590	GG	AA	AA	INTERGENIC		
SNP_6459B_4192625	Ca_Kabuli_Chr02	NC_021161.1	4192625	CC	AA	AA	INTERGENIC		
SNP_6460B_4192693	Ca_Kabuli_Chr02	NC_021161.1	4192693	AA	CC	CC	INTERGENIC		
SNP_6463B_4239436	Ca_Kabuli_Chr02	NC_021161.1	4239436	GG	TT	TT	INTRON	101506573	GDSL esterase/lipase At5g45910-like
SNP_6464B_4242997	Ca_Kabuli_Chr02	NC_021161.1	4242997	CC	TT	TT	INTRON	101506573	GDSL esterase/lipase At5g45910-like
SNP_6465B_4243037	Ca_Kabuli_Chr02	NC_021161.1	4243037	GG	TT	TT	INTRON	101506573	GDSL esterase/lipase At5g45910-like
SNP_6466B_4243057	Ca_Kabuli_Chr02	NC_021161.1	4243057	GG	TT	TT	INTRON	101506573	GDSL esterase/lipase At5g45910-like
SNP_6467B_4253384	Ca_Kabuli_Chr02	NC_021161.1	4253384	TT	AA	AA	INTERGENIC		
SNP_6469B_4277755	Ca_Kabuli_Chr02	NC_021161.1	4277755	GG	TT	TT	INTERGENIC		
SNP_6470B_4277777	Ca_Kabuli_Chr02	NC_021161.1	4277777	TT	GG	GG	INTERGENIC		
SNP_6471B_4277948	Ca_Kabuli_Chr02	NC_021161.1	4277948	GG	AA	AA	INTERGENIC		
SNP_6472B_4278175	Ca_Kabuli_Chr02	NC_021161.1	4278175	TT	CC	CC	INTERGENIC		
SNP_6473B_4278192	Ca_Kabuli_Chr02	NC_021161.1	4278192	AA	GG	GG	INTERGENIC		
SNP_6475B_4342027	Ca_Kabuli_Chr02	NC_021161.1	4342027	GG	CC	CC	INTERGENIC		
SNP_6476B_4342031	Ca_Kabuli_Chr02	NC_021161.1	4342031	CC	TT	TT	INTERGENIC		
SNP_6477B_4342055	Ca_Kabuli_Chr02	NC_021161.1	4342055	CC	TT	TT	INTERGENIC		
SNP_6478B_4345068	Ca_Kabuli_Chr02	NC_021161.1	4345068	TT	CC	CC	INTERGENIC		
SNP_6479B_4449356	Ca_Kabuli_Chr02	NC_021161.1	4449356	GG	AA	AA	INTERGENIC		
SNP_6480B_4450985	Ca_Kabuli_Chr02	NC_021161.1	4450985	AA	GG	GG	INTERGENIC		
SNP_6483B_4549766	Ca_Kabuli_Chr02	NC_021161.1	4549766	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_6484B_4549770	Ca_Kabuli_Chr02	NC_021161.1	4549770	GG	TT	TT	INTERGENIC		
SNP_6485B_4551277	Ca_Kabuli_Chr02	NC_021161.1	4551277	TT	AA	AA	INTERGENIC		
SNP_6486B_4551279	Ca_Kabuli_Chr02	NC_021161.1	4551279	TT	GG	GG	INTERGENIC		
SNP_6487B_4557347	Ca_Kabuli_Chr02	NC_021161.1	4557347	CC	TT	TT	INTERGENIC		
SNP_6488B_4557481	Ca_Kabuli_Chr02	NC_021161.1	4557481	TT	CC	CC	INTERGENIC		
SNP_6489B_4557484	Ca_Kabuli_Chr02	NC_021161.1	4557484	TT	GG	GG	INTERGENIC		
SNP_6490B_4594128	Ca_Kabuli_Chr02	NC_021161.1	4594128	CC	TT	TT	INTERGENIC		
SNP_6491B_4620728	Ca_Kabuli_Chr02	NC_021161.1	4620728	GG	AA	AA	INTERGENIC		
SNP_6492B_4620809	Ca_Kabuli_Chr02	NC_021161.1	4620809	AA	TT	TT	INTERGENIC		
SNP_6494B_4677963	Ca_Kabuli_Chr02	NC_021161.1	4677963	AA	GG	GG	INTERGENIC		
SNP_6495B_4678270	Ca_Kabuli_Chr02	NC_021161.1	4678270	CC	TT	TT	INTERGENIC		
SNP_6496B_4678358	Ca_Kabuli_Chr02	NC_021161.1	4678358	CC	TT	TT	INTERGENIC		
SNP_6497B_4731884	Ca_Kabuli_Chr02	NC_021161.1	4731884	AA	CC	CC	INTERGENIC		
SNP_6498B_4747812	Ca_Kabuli_Chr02	NC_021161.1	4747812	AA	TT	TT	INTERGENIC		
SNP_6499B_4766082	Ca_Kabuli_Chr02	NC_021161.1	4766082	CC	TT	TT	INTERGENIC		
SNP_6500B_4766566	Ca_Kabuli_Chr02	NC_021161.1	4766566	TT	AA	AA	DRR	101509463	Unknown function
SNP_6501B_4767130	Ca_Kabuli_Chr02	NC_021161.1	4767130	CC	TT	TT	SYNONYMOUS_CODING	101509463	Unknown function
SNP_6502B_4767165	Ca_Kabuli_Chr02	NC_021161.1	4767165	AA	CC	CC	NON_SYNONYMOUS_CODING	101509463	Unknown function
SNP_6503B_4812595	Ca_Kabuli_Chr02	NC_021161.1	4812595	CC	TT	TT	INTRON	101505279	phenolic glucoside malonyltransferase 1-like
SNP_6504B_4812788	Ca_Kabuli_Chr02	NC_021161.1	4812788	AA	GG	GG	INTRON	101505279	phenolic glucoside malonyltransferase 1-like
SNP_6505B_4812851	Ca_Kabuli_Chr02	NC_021161.1	4812851	CC	TT	TT	INTRON	101505279	phenolic glucoside malonyltransferase 1-like
SNP_6507B_4812911	Ca_Kabuli_Chr02	NC_021161.1	4812911	TT	CC	CC	INTRON	101505279	phenolic glucoside malonyltransferase 1-like
SNP_6508B_4812950	Ca_Kabuli_Chr02	NC_021161.1	4812950	GG	TT	TT	INTRON	101505279	phenolic glucoside malonyltransferase 1-like
SNP_6509B_4812979	Ca_Kabuli_Chr02	NC_021161.1	4812979	GG	AA	AA	INTRON	101505279	phenolic glucoside malonyltransferase 1-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_6510B_4813128	Ca_Kabuli_Chr02	NC_021161.1	4813128	AA	GG	GG	INTRON	101505279	phenolic glucoside malonyltransferase 1-like
SNP_6511B_4813151	Ca_Kabuli_Chr02	NC_021161.1	4813151	AA	TT	TT	INTRON	101505279	phenolic glucoside malonyltransferase 1-like
SNP_6512B_4813161	Ca_Kabuli_Chr02	NC_021161.1	4813161	GG	AA	AA	INTRON	101505279	phenolic glucoside malonyltransferase 1-like
SNP_6513B_4813168	Ca_Kabuli_Chr02	NC_021161.1	4813168	CC	TT	TT	INTRON	101505279	phenolic glucoside malonyltransferase 1-like
SNP_6514B_4813172	Ca_Kabuli_Chr02	NC_021161.1	4813172	AA	GG	GG	INTRON	101505279	phenolic glucoside malonyltransferase 1-like
SNP_6515B_4829772	Ca_Kabuli_Chr02	NC_021161.1	4829772	TT	CC	CC	INTERGENIC		
SNP_6516B_4890866	Ca_Kabuli_Chr02	NC_021161.1	4890866	GG	TT	TT	INTERGENIC		
SNP_6517B_4890869	Ca_Kabuli_Chr02	NC_021161.1	4890869	TT	GG	GG	INTERGENIC		
SNP_6518B_4890940	Ca_Kabuli_Chr02	NC_021161.1	4890940	AA	TT	TT	INTERGENIC		
SNP_6521B_4891402	Ca_Kabuli_Chr02	NC_021161.1	4891402	GG	AA	AA	INTERGENIC		
SNP_6522B_4891487	Ca_Kabuli_Chr02	NC_021161.1	4891487	AA	GG	GG	INTERGENIC		
SNP_6523B_4892429	Ca_Kabuli_Chr02	NC_021161.1	4892429	CC	TT	TT	INTERGENIC		
SNP_6524B_4892489	Ca_Kabuli_Chr02	NC_021161.1	4892489	AA	CC	CC	INTERGENIC		
SNP_6525B_4892541	Ca_Kabuli_Chr02	NC_021161.1	4892541	TT	AA	AA	INTERGENIC		
SNP_6526B_4892639	Ca_Kabuli_Chr02	NC_021161.1	4892639	GG	AA	AA	INTERGENIC		
SNP_6528B_4892894	Ca_Kabuli_Chr02	NC_021161.1	4892894	AA	TT	TT	INTERGENIC		
SNP_6529B_4893002	Ca_Kabuli_Chr02	NC_021161.1	4893002	TT	GG	GG	INTERGENIC		
SNP_6530B_4893011	Ca_Kabuli_Chr02	NC_021161.1	4893011	CC	TT	TT	INTERGENIC		
SNP_6531B_4893356	Ca_Kabuli_Chr02	NC_021161.1	4893356	AA	GG	GG	INTERGENIC		
SNP_6532B_4893522	Ca_Kabuli_Chr02	NC_021161.1	4893522	CC	AA	AA	INTERGENIC		
SNP_6533B_4893902	Ca_Kabuli_Chr02	NC_021161.1	4893902	CC	TT	TT	INTERGENIC		
SNP_6534B_4893941	Ca_Kabuli_Chr02	NC_021161.1	4893941	AA	GG	GG	INTERGENIC		
SNP_6535B_4894008	Ca_Kabuli_Chr02	NC_021161.1	4894008	AA	TT	TT	INTERGENIC		
SNP_6536B_4894056	Ca_Kabuli_Chr02	NC_021161.1	4894056	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_6538B_4894300	Ca_Kabuli_Chr02	NC_021161.1	4894300	TT	GG	GG	INTERGENIC		
SNP_6539B_4894639	Ca_Kabuli_Chr02	NC_021161.1	4894639	GG	TT	TT	INTERGENIC		
SNP_6540B_4894701	Ca_Kabuli_Chr02	NC_021161.1	4894701	CC	AA	AA	INTERGENIC		
SNP_6542B_4895096	Ca_Kabuli_Chr02	NC_021161.1	4895096	TT	GG	GG	INTERGENIC		
SNP_6543B_4895476	Ca_Kabuli_Chr02	NC_021161.1	4895476	CC	AA	AA	INTERGENIC		
SNP_6544B_4895477	Ca_Kabuli_Chr02	NC_021161.1	4895477	GG	AA	AA	INTERGENIC		
SNP_6545B_4895494	Ca_Kabuli_Chr02	NC_021161.1	4895494	AA	GG	GG	INTERGENIC		
SNP_6546B_4895497	Ca_Kabuli_Chr02	NC_021161.1	4895497	CC	TT	TT	INTERGENIC		
SNP_6547B_4895508	Ca_Kabuli_Chr02	NC_021161.1	4895508	GG	AA	AA	INTERGENIC		
SNP_6548B_4895575	Ca_Kabuli_Chr02	NC_021161.1	4895575	CC	TT	TT	INTERGENIC		
SNP_6549B_4895580	Ca_Kabuli_Chr02	NC_021161.1	4895580	GG	AA	AA	INTERGENIC		
SNP_6550B_4895614	Ca_Kabuli_Chr02	NC_021161.1	4895614	TT	CC	CC	INTERGENIC		
SNP_6551B_4895622	Ca_Kabuli_Chr02	NC_021161.1	4895622	TT	CC	CC	INTERGENIC		
SNP_6552B_4895627	Ca_Kabuli_Chr02	NC_021161.1	4895627	AA	GG	GG	INTERGENIC		
SNP_6553B_4895718	Ca_Kabuli_Chr02	NC_021161.1	4895718	GG	AA	AA	INTERGENIC		
SNP_6555B_4974322	Ca_Kabuli_Chr02	NC_021161.1	4974322	AA	GG	GG	INTRON	101505725	DNA ligase 1-like
SNP_6556B_5003733	Ca_Kabuli_Chr02	NC_021161.1	5003733	AA	CC	CC	INTERGENIC		
SNP_6557B_5107850	Ca_Kabuli_Chr02	NC_021161.1	5107850	TT	CC	CC	INTERGENIC		
SNP_6558B_5112758	Ca_Kabuli_Chr02	NC_021161.1	5112758	AA	GG	GG	INTERGENIC		
SNP_6559B_5135328	Ca_Kabuli_Chr02	NC_021161.1	5135328	AA	CC	CC	INTERGENIC		
SNP_6561B_5312249	Ca_Kabuli_Chr02	NC_021161.1	5312249	AA	CC	CC	INTERGENIC		
SNP_6562B_5347609	Ca_Kabuli_Chr02	NC_021161.1	5347609	GG	AA	AA	INTRON	101495934	glucose-6-phosphate 1-dehydrogenase, cytoplasmic isoform-like
SNP_6563B_5347610	Ca_Kabuli_Chr02	NC_021161.1	5347610	TT	CC	CC	INTRON	101495934	glucose-6-phosphate 1-dehydrogenase, cytoplasmic isoform-like
SNP_6564B_5347642	Ca_Kabuli_Chr02	NC_021161.1	5347642	AA	GG	GG	INTRON	101495934	glucose-6-phosphate 1-dehydrogenase, cytoplasmic isoform-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_6565B_5347931	Ca_Kabuli_Chr02	NC_021161.1	5347931	CC	TT	TT	INTRON	101495934	glucose-6-phosphate 1-dehydrogenase, cytoplasmic isoform-like
SNP_6566B_5347997	Ca_Kabuli_Chr02	NC_021161.1	5347997	TT	AA	AA	INTRON	101495934	glucose-6-phosphate 1-dehydrogenase, cytoplasmic isoform-like
SNP_6567B_5476879	Ca_Kabuli_Chr02	NC_021161.1	5476879	GG	AA	AA	URR	101500162	COP9 signalosome complex subunit 3
SNP_6568B_5522691	Ca_Kabuli_Chr02	NC_021161.1	5522691	AA	GG	GG	INTERGENIC		
SNP_6569B_5522912	Ca_Kabuli_Chr02	NC_021161.1	5522912	AA	GG	GG	INTERGENIC		
SNP_6570B_5522930	Ca_Kabuli_Chr02	NC_021161.1	5522930	GG	TT	TT	INTERGENIC		
SNP_6571B_5522950	Ca_Kabuli_Chr02	NC_021161.1	5522950	AA	GG	GG	INTERGENIC		
SNP_6572B_5524339	Ca_Kabuli_Chr02	NC_021161.1	5524339	TT	GG	GG	INTERGENIC		
SNP_6573B_5524431	Ca_Kabuli_Chr02	NC_021161.1	5524431	AA	GG	GG	INTERGENIC		
SNP_6574B_5524436	Ca_Kabuli_Chr02	NC_021161.1	5524436	GG	AA	AA	INTERGENIC		
SNP_6575B_5524451	Ca_Kabuli_Chr02	NC_021161.1	5524451	CC	TT	TT	INTERGENIC		
SNP_6576B_5524462	Ca_Kabuli_Chr02	NC_021161.1	5524462	AA	GG	GG	INTERGENIC		
SNP_6577B_5524465	Ca_Kabuli_Chr02	NC_021161.1	5524465	AA	TT	TT	INTERGENIC		
SNP_6578B_5524479	Ca_Kabuli_Chr02	NC_021161.1	5524479	AA	CC	CC	INTERGENIC		
SNP_6579B_5524663	Ca_Kabuli_Chr02	NC_021161.1	5524663	TT	CC	CC	INTERGENIC		
SNP_6580B_5524783	Ca_Kabuli_Chr02	NC_021161.1	5524783	TT	AA	AA	INTERGENIC		
SNP_6581B_5526209	Ca_Kabuli_Chr02	NC_021161.1	5526209	CC	TT	TT	INTERGENIC		
SNP_6582B_5566157	Ca_Kabuli_Chr02	NC_021161.1	5566157	TT	CC	CC	INTRON	101501862	probable dolichyl pyrophosphate Glc1Man9GlcNAc2 alpha-1,3-glucosyltransferase
SNP_6583B_5566217	Ca_Kabuli_Chr02	NC_021161.1	5566217	GG	AA	AA	INTRON	101501862	probable dolichyl pyrophosphate Glc1Man9GlcNAc2 alpha-1,3-glucosyltransferase
SNP_6584B_5566225	Ca_Kabuli_Chr02	NC_021161.1	5566225	AA	CC	CC	INTRON	101501862	probable dolichyl pyrophosphate Glc1Man9GlcNAc2 alpha-1,3-glucosyltransferase
SNP_6585B_5579488	Ca_Kabuli_Chr02	NC_021161.1	5579488	TT	CC	CC	INTERGENIC		
SNP_6586B_5579489	Ca_Kabuli_Chr02	NC_021161.1	5579489	TT	GG	GG	INTERGENIC		
SNP_6588B_5676434	Ca_Kabuli_Chr02	NC_021161.1	5676434	CC	TT	TT	DRR	101505070	uncharacterized LOC101505070
SNP_6589B_5703431	Ca_Kabuli_Chr02	NC_021161.1	5703431	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_6590B_5703482	Ca_Kabuli_Chr02	NC_021161.1	5703482	TT	CC	CC	INTERGENIC		
SNP_6591B_5703508	Ca_Kabuli_Chr02	NC_021161.1	5703508	TT	CC	CC	INTERGENIC		
SNP_6592B_5703686	Ca_Kabuli_Chr02	NC_021161.1	5703686	TT	CC	CC	INTERGENIC		
SNP_6593B_5703730	Ca_Kabuli_Chr02	NC_021161.1	5703730	GG	AA	AA	INTERGENIC		
SNP_6594B_5703750	Ca_Kabuli_Chr02	NC_021161.1	5703750	GG	AA	AA	INTERGENIC		
SNP_6595B_5706190	Ca_Kabuli_Chr02	NC_021161.1	5706190	GG	AA	AA	INTERGENIC		
SNP_6596B_5706194	Ca_Kabuli_Chr02	NC_021161.1	5706194	CC	TT	TT	INTERGENIC		
SNP_6597B_5706552	Ca_Kabuli_Chr02	NC_021161.1	5706552	AA	GG	GG	INTERGENIC		
SNP_6598B_5706583	Ca_Kabuli_Chr02	NC_021161.1	5706583	CC	TT	TT	INTERGENIC		
SNP_6599B_5720055	Ca_Kabuli_Chr02	NC_021161.1	5720055	CC	TT	TT	INTERGENIC		
SNP_6600B_5720149	Ca_Kabuli_Chr02	NC_021161.1	5720149	GG	AA	AA	INTERGENIC		
SNP_6601B_5720340	Ca_Kabuli_Chr02	NC_021161.1	5720340	TT	CC	CC	INTERGENIC		
SNP_6602B_5725057	Ca_Kabuli_Chr02	NC_021161.1	5725057	AA	GG	GG	INTERGENIC		
SNP_6603B_5728899	Ca_Kabuli_Chr02	NC_021161.1	5728899	GG	CC	CC	URR	101509881	uncharacterized LOC101509881
SNP_6604B_5751359	Ca_Kabuli_Chr02	NC_021161.1	5751359	CC	TT	TT	INTERGENIC		
SNP_6605B_5751600	Ca_Kabuli_Chr02	NC_021161.1	5751600	TT	AA	AA	INTERGENIC		
SNP_6606B_5751629	Ca_Kabuli_Chr02	NC_021161.1	5751629	TT	GG	GG	INTERGENIC		
SNP_6607B_5751653	Ca_Kabuli_Chr02	NC_021161.1	5751653	TT	CC	CC	INTERGENIC		
SNP_6608B_5753041	Ca_Kabuli_Chr02	NC_021161.1	5753041	AA	TT	TT	INTERGENIC		
SNP_6609B_5753072	Ca_Kabuli_Chr02	NC_021161.1	5753072	AA	TT	TT	INTERGENIC		
SNP_6610B_5753212	Ca_Kabuli_Chr02	NC_021161.1	5753212	TT	CC	CC	INTERGENIC		
SNP_6611B_5753292	Ca_Kabuli_Chr02	NC_021161.1	5753292	TT	GG	GG	INTERGENIC		
SNP_6612B_5753309	Ca_Kabuli_Chr02	NC_021161.1	5753309	GG	CC	CC	INTERGENIC		
SNP_6613B_5767688	Ca_Kabuli_Chr02	NC_021161.1	5767688	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_6614B_5767704	Ca_Kabuli_Chr02	NC_021161.1	5767704	CC	TT	TT	INTERGENIC		
SNP_6615B_5767711	Ca_Kabuli_Chr02	NC_021161.1	5767711	AA	TT	TT	INTERGENIC		
SNP_6616B_5768066	Ca_Kabuli_Chr02	NC_021161.1	5768066	TT	GG	GG	INTERGENIC		
SNP_6617B_5768761	Ca_Kabuli_Chr02	NC_021161.1	5768761	GG	AA	AA	INTERGENIC		
SNP_6618B_5768805	Ca_Kabuli_Chr02	NC_021161.1	5768805	TT	CC	CC	INTERGENIC		
SNP_6619B_5768826	Ca_Kabuli_Chr02	NC_021161.1	5768826	CC	AA	AA	INTERGENIC		
SNP_6620B_5810819	Ca_Kabuli_Chr02	NC_021161.1	5810819	GG	AA	AA	INTERGENIC		
SNP_6621B_5928311	Ca_Kabuli_Chr02	NC_021161.1	5928311	CC	TT	TT	INTERGENIC		
SNP_6622B_6020369	Ca_Kabuli_Chr02	NC_021161.1	6020369	AA	GG	GG	INTERGENIC		
SNP_6625B_6065444	Ca_Kabuli_Chr02	NC_021161.1	6065444	AA	TT	TT	DRR	101497343	ATP-dependent DNA helicase PIF1-like
SNP_6626B_6075504	Ca_Kabuli_Chr02	NC_021161.1	6075504	TT	CC	CC	INTRON	101498001	Unknown function
SNP_6627B_6075849	Ca_Kabuli_Chr02	NC_021161.1	6075849	TT	CC	CC	NON_SYNONYMOUS_CODING	101498001	Unknown function
SNP_6628B_6075939	Ca_Kabuli_Chr02	NC_021161.1	6075939	CC	GG	GG	INTRON	101498001	Unknown function
SNP_6629B_6319382	Ca_Kabuli_Chr02	NC_021161.1	6319382	GG	AA	AA	INTERGENIC		
SNP_6630B_6329061	Ca_Kabuli_Chr02	NC_021161.1	6329061	GG	AA	AA	INTERGENIC		
SNP_6631B_6334362	Ca_Kabuli_Chr02	NC_021161.1	6334362	CC	AA	AA	URR	101506364	shikimate O-hydroxycinnamoyltransferase-like
SNP_6632B_6334365	Ca_Kabuli_Chr02	NC_021161.1	6334365	TT	CC	CC	URR	101506364	shikimate O-hydroxycinnamoyltransferase-like
SNP_6633B_6334367	Ca_Kabuli_Chr02	NC_021161.1	6334367	GG	AA	AA	URR	101506364	shikimate O-hydroxycinnamoyltransferase-like
SNP_6634B_6334408	Ca_Kabuli_Chr02	NC_021161.1	6334408	TT	GG	GG	URR	101506364	shikimate O-hydroxycinnamoyltransferase-like
SNP_6635B_6334417	Ca_Kabuli_Chr02	NC_021161.1	6334417	GG	CC	CC	URR	101506364	shikimate O-hydroxycinnamoyltransferase-like
SNP_6636B_6455880	Ca_Kabuli_Chr02	NC_021161.1	6455880	TT	AA	AA	INTRON	101506686	probable polygalacturonase At3g15720
SNP_6637B_6455882	Ca_Kabuli_Chr02	NC_021161.1	6455882	AA	CC	CC	INTRON	101506686	probable polygalacturonase At3g15720
SNP_6638B_6505082	Ca_Kabuli_Chr02	NC_021161.1	6505082	AA	GG	GG	URR	101507974	Unknown function
SNP_6639B_6505170	Ca_Kabuli_Chr02	NC_021161.1	6505170	AA	TT	TT	URR	101507974	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_6642B_6538985	Ca_Kabuli_Chr02	NC_021161.1	6538985	CC	TT	TT	URR	101504003	syntaxin-132-like
SNP_6643B_6618359	Ca_Kabuli_Chr02	NC_021161.1	6618359	AA	GG	GG	INTERGENIC		
SNP_6644B_6618369	Ca_Kabuli_Chr02	NC_021161.1	6618369	AA	GG	GG	INTERGENIC		
SNP_6645B_6618376	Ca_Kabuli_Chr02	NC_021161.1	6618376	AA	CC	CC	INTERGENIC		
SNP_6646B_6618378	Ca_Kabuli_Chr02	NC_021161.1	6618378	TT	CC	CC	INTERGENIC		
SNP_6647B_6638603	Ca_Kabuli_Chr02	NC_021161.1	6638603	AA	GG	GG	URR	101493586	Unknown function
SNP_6648B_6639137	Ca_Kabuli_Chr02	NC_021161.1	6639137	GG	AA	AA	INTERGENIC		
SNP_6649B_6639244	Ca_Kabuli_Chr02	NC_021161.1	6639244	AA	CC	CC	INTERGENIC		
SNP_6650B_6639484	Ca_Kabuli_Chr02	NC_021161.1	6639484	AA	GG	GG	INTERGENIC		
SNP_6651B_6640297	Ca_Kabuli_Chr02	NC_021161.1	6640297	GG	AA	AA	INTERGENIC		
SNP_6653B_6640408	Ca_Kabuli_Chr02	NC_021161.1	6640408	AA	CC	CC	INTERGENIC		
SNP_6654B_6640498	Ca_Kabuli_Chr02	NC_021161.1	6640498	AA	CC	CC	INTERGENIC		
SNP_6655B_6640533	Ca_Kabuli_Chr02	NC_021161.1	6640533	CC	TT	TT	INTERGENIC		
SNP_6656B_6640540	Ca_Kabuli_Chr02	NC_021161.1	6640540	CC	TT	TT	INTERGENIC		
SNP_6657B_6640571	Ca_Kabuli_Chr02	NC_021161.1	6640571	AA	GG	GG	INTERGENIC		
SNP_6658B_6640625	Ca_Kabuli_Chr02	NC_021161.1	6640625	CC	TT	TT	INTERGENIC		
SNP_6659B_6640702	Ca_Kabuli_Chr02	NC_021161.1	6640702	CC	TT	TT	INTERGENIC		
SNP_6660B_6640779	Ca_Kabuli_Chr02	NC_021161.1	6640779	CC	TT	TT	INTERGENIC		
SNP_6661B_6640852	Ca_Kabuli_Chr02	NC_021161.1	6640852	CC	TT	TT	INTERGENIC		
SNP_6662B_6640889	Ca_Kabuli_Chr02	NC_021161.1	6640889	AA	TT	TT	INTERGENIC		
SNP_6663B_6640951	Ca_Kabuli_Chr02	NC_021161.1	6640951	TT	CC	CC	INTERGENIC		
SNP_6664B_6641068	Ca_Kabuli_Chr02	NC_021161.1	6641068	AA	GG	GG	INTERGENIC		
SNP_6665B_6641252	Ca_Kabuli_Chr02	NC_021161.1	6641252	GG	AA	AA	INTERGENIC		
SNP_6666B_6641353	Ca_Kabuli_Chr02	NC_021161.1	6641353	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_6667B_6641462	Ca_Kabuli_Chr02	NC_021161.1	6641462	CC	AA	AA	INTERGENIC		
SNP_6668B_6641550	Ca_Kabuli_Chr02	NC_021161.1	6641550	AA	TT	TT	INTERGENIC		
SNP_6670B_6641754	Ca_Kabuli_Chr02	NC_021161.1	6641754	TT	CC	CC	INTERGENIC		
SNP_6671B_6641774	Ca_Kabuli_Chr02	NC_021161.1	6641774	GG	AA	AA	INTERGENIC		
SNP_6672B_6641798	Ca_Kabuli_Chr02	NC_021161.1	6641798	CC	TT	TT	INTERGENIC		
SNP_6673B_6641799	Ca_Kabuli_Chr02	NC_021161.1	6641799	GG	AA	AA	INTERGENIC		
SNP_6674B_6641836	Ca_Kabuli_Chr02	NC_021161.1	6641836	CC	TT	TT	INTERGENIC		
SNP_6676B_6642168	Ca_Kabuli_Chr02	NC_021161.1	6642168	CC	AA	AA	INTERGENIC		
SNP_6677B_6642216	Ca_Kabuli_Chr02	NC_021161.1	6642216	AA	GG	GG	INTERGENIC		
SNP_6678B_6642298	Ca_Kabuli_Chr02	NC_021161.1	6642298	GG	TT	TT	INTERGENIC		
SNP_6679B_6642329	Ca_Kabuli_Chr02	NC_021161.1	6642329	TT	AA	AA	INTERGENIC		
SNP_6680B_6642359	Ca_Kabuli_Chr02	NC_021161.1	6642359	AA	CC	CC	INTERGENIC		
SNP_6681B_6642448	Ca_Kabuli_Chr02	NC_021161.1	6642448	GG	TT	TT	INTERGENIC		
SNP_6682B_6642481	Ca_Kabuli_Chr02	NC_021161.1	6642481	GG	AA	AA	INTERGENIC		
SNP_6684B_6642564	Ca_Kabuli_Chr02	NC_021161.1	6642564	CC	AA	AA	INTERGENIC		
SNP_6685B_6642720	Ca_Kabuli_Chr02	NC_021161.1	6642720	CC	TT	TT	INTERGENIC		
SNP_6686B_6642729	Ca_Kabuli_Chr02	NC_021161.1	6642729	TT	AA	AA	INTERGENIC		
SNP_6687B_6642762	Ca_Kabuli_Chr02	NC_021161.1	6642762	GG	TT	TT	INTERGENIC		
SNP_6688B_6642785	Ca_Kabuli_Chr02	NC_021161.1	6642785	AA	TT	TT	INTERGENIC		
SNP_6689B_6643125	Ca_Kabuli_Chr02	NC_021161.1	6643125	CC	GG	GG	INTERGENIC		
SNP_6690B_6643264	Ca_Kabuli_Chr02	NC_021161.1	6643264	TT	AA	AA	INTERGENIC		
SNP_6691B_6643272	Ca_Kabuli_Chr02	NC_021161.1	6643272	AA	CC	CC	INTERGENIC		
SNP_6692B_6643331	Ca_Kabuli_Chr02	NC_021161.1	6643331	CC	AA	AA	INTERGENIC		
SNP_6693B_6643355	Ca_Kabuli_Chr02	NC_021161.1	6643355	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_6694B_6643418	Ca_Kabuli_Chr02	NC_021161.1	6643418	CC	TT	TT	INTERGENIC		
SNP_6695B_6643563	Ca_Kabuli_Chr02	NC_021161.1	6643563	AA	TT	TT	INTERGENIC		
SNP_6696B_6643589	Ca_Kabuli_Chr02	NC_021161.1	6643589	CC	TT	TT	INTERGENIC		
SNP_6697B_6643784	Ca_Kabuli_Chr02	NC_021161.1	6643784	CC	TT	TT	INTERGENIC		
SNP_6699B_6644812	Ca_Kabuli_Chr02	NC_021161.1	6644812	CC	GG	GG	INTERGENIC		
SNP_6700B_6644903	Ca_Kabuli_Chr02	NC_021161.1	6644903	AA	CC	CC	INTERGENIC		
SNP_6701B_6644904	Ca_Kabuli_Chr02	NC_021161.1	6644904	CC	TT	TT	INTERGENIC		
SNP_6702B_6644964	Ca_Kabuli_Chr02	NC_021161.1	6644964	TT	CC	CC	INTERGENIC		
SNP_6703B_6645276	Ca_Kabuli_Chr02	NC_021161.1	6645276	AA	GG	GG	INTERGENIC		
SNP_6704B_6645291	Ca_Kabuli_Chr02	NC_021161.1	6645291	AA	GG	GG	INTERGENIC		
SNP_6705B_6645327	Ca_Kabuli_Chr02	NC_021161.1	6645327	CC	TT	TT	INTERGENIC		
SNP_6706B_6645440	Ca_Kabuli_Chr02	NC_021161.1	6645440	AA	GG	GG	INTERGENIC		
SNP_6707B_6645522	Ca_Kabuli_Chr02	NC_021161.1	6645522	TT	CC	CC	INTERGENIC		
SNP_6708B_6645608	Ca_Kabuli_Chr02	NC_021161.1	6645608	AA	GG	GG	INTERGENIC		
SNP_6709B_6645737	Ca_Kabuli_Chr02	NC_021161.1	6645737	CC	GG	GG	INTERGENIC		
SNP_6710B_6645747	Ca_Kabuli_Chr02	NC_021161.1	6645747	TT	AA	AA	INTERGENIC		
SNP_6711B_6646210	Ca_Kabuli_Chr02	NC_021161.1	6646210	GG	AA	AA	INTERGENIC		
SNP_6712B_6648216	Ca_Kabuli_Chr02	NC_021161.1	6648216	TT	CC	CC	INTERGENIC		
SNP_6714B_6649839	Ca_Kabuli_Chr02	NC_021161.1	6649839	AA	TT	TT	INTERGENIC		
SNP_6715B_6650404	Ca_Kabuli_Chr02	NC_021161.1	6650404	GG	AA	AA	INTERGENIC		
SNP_6716B_6650405	Ca_Kabuli_Chr02	NC_021161.1	6650405	CC	TT	TT	INTERGENIC		
SNP_6717B_6656227	Ca_Kabuli_Chr02	NC_021161.1	6656227	TT	GG	GG	INTERGENIC		
SNP_6718B_6656696	Ca_Kabuli_Chr02	NC_021161.1	6656696	AA	TT	TT	INTERGENIC		
SNP_6719B_6656699	Ca_Kabuli_Chr02	NC_021161.1	6656699	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_6721B_6659310	Ca_Kabuli_Chr02	NC_021161.1	6659310	GG	AA	AA	INTERGENIC		
SNP_6722B_6670897	Ca_Kabuli_Chr02	NC_021161.1	6670897	TT	AA	AA	INTERGENIC		
SNP_6723B_6680993	Ca_Kabuli_Chr02	NC_021161.1	6680993	CC	TT	TT	INTERGENIC		
SNP_6724B_6681008	Ca_Kabuli_Chr02	NC_021161.1	6681008	GG	TT	TT	INTERGENIC		
SNP_6725B_6687463	Ca_Kabuli_Chr02	NC_021161.1	6687463	CC	TT	TT	INTERGENIC		
SNP_6726B_6687518	Ca_Kabuli_Chr02	NC_021161.1	6687518	AA	TT	TT	INTERGENIC		
SNP_6727B_6687519	Ca_Kabuli_Chr02	NC_021161.1	6687519	AA	TT	TT	INTERGENIC		
SNP_6728B_6687523	Ca_Kabuli_Chr02	NC_021161.1	6687523	CC	TT	TT	INTERGENIC		
SNP_6729B_6687530	Ca_Kabuli_Chr02	NC_021161.1	6687530	TT	GG	GG	INTERGENIC		
SNP_6730B_6687606	Ca_Kabuli_Chr02	NC_021161.1	6687606	CC	TT	TT	INTERGENIC		
SNP_6731B_6687616	Ca_Kabuli_Chr02	NC_021161.1	6687616	AA	GG	GG	INTERGENIC		
SNP_6732B_6687638	Ca_Kabuli_Chr02	NC_021161.1	6687638	TT	GG	GG	INTERGENIC		
SNP_6733B_6687791	Ca_Kabuli_Chr02	NC_021161.1	6687791	AA	GG	GG	INTERGENIC		
SNP_6734B_6687926	Ca_Kabuli_Chr02	NC_021161.1	6687926	TT	CC	CC	INTERGENIC		
SNP_6735B_6690146	Ca_Kabuli_Chr02	NC_021161.1	6690146	GG	AA	AA	INTERGENIC		
SNP_6736B_6703400	Ca_Kabuli_Chr02	NC_021161.1	6703400	GG	AA	AA	INTERGENIC		
SNP_6737B_6782056	Ca_Kabuli_Chr02	NC_021161.1	6782056	GG	AA	AA	INTERGENIC		
SNP_6738B_6782432	Ca_Kabuli_Chr02	NC_021161.1	6782432	CC	TT	TT	INTERGENIC		
SNP_6739B_6811064	Ca_Kabuli_Chr02	NC_021161.1	6811064	TT	AA	AA	INTERGENIC		
SNP_6740B_6811065	Ca_Kabuli_Chr02	NC_021161.1	6811065	AA	TT	TT	INTERGENIC		
SNP_6741B_6811067	Ca_Kabuli_Chr02	NC_021161.1	6811067	AA	GG	GG	INTERGENIC		
SNP_6742B_6811084	Ca_Kabuli_Chr02	NC_021161.1	6811084	TT	CC	CC	INTERGENIC		
SNP_6743B_6811092	Ca_Kabuli_Chr02	NC_021161.1	6811092	CC	TT	TT	INTERGENIC		
SNP_6744B_6814275	Ca_Kabuli_Chr02	NC_021161.1	6814275	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_6745B_6815088	Ca_Kabuli_Chr02	NC_021161.1	6815088	AA	CC	CC	INTERGENIC		
SNP_6746B_6815091	Ca_Kabuli_Chr02	NC_021161.1	6815091	TT	CC	CC	INTERGENIC		
SNP_6747B_6815432	Ca_Kabuli_Chr02	NC_021161.1	6815432	AA	GG	GG	INTERGENIC		
SNP_6748B_6815464	Ca_Kabuli_Chr02	NC_021161.1	6815464	TT	CC	CC	INTERGENIC		
SNP_6749B_6815526	Ca_Kabuli_Chr02	NC_021161.1	6815526	GG	AA	AA	INTERGENIC		
SNP_6750B_6815556	Ca_Kabuli_Chr02	NC_021161.1	6815556	TT	CC	CC	INTERGENIC		
SNP_6751B_6815581	Ca_Kabuli_Chr02	NC_021161.1	6815581	TT	CC	CC	INTERGENIC		
SNP_6752B_6815582	Ca_Kabuli_Chr02	NC_021161.1	6815582	AA	GG	GG	INTERGENIC		
SNP_6753B_6815586	Ca_Kabuli_Chr02	NC_021161.1	6815586	GG	TT	TT	INTERGENIC		
SNP_6754B_6828384	Ca_Kabuli_Chr02	NC_021161.1	6828384	CC	TT	TT	INTERGENIC		
SNP_6755B_7002435	Ca_Kabuli_Chr02	NC_021161.1	7002435	AA	GG	GG	INTERGENIC		
SNP_6757B_7002783	Ca_Kabuli_Chr02	NC_021161.1	7002783	TT	GG	GG	INTERGENIC		
SNP_6758B_7002840	Ca_Kabuli_Chr02	NC_021161.1	7002840	CC	TT	TT	INTERGENIC		
SNP_6760B_7062808	Ca_Kabuli_Chr02	NC_021161.1	7062808	AA	GG	GG	INTRON	101489147	protein S-acyltransferase 8-like
SNP_6761B_7075601	Ca_Kabuli_Chr02	NC_021161.1	7075601	AA	GG	GG	INTERGENIC		
SNP_6762B_7151392	Ca_Kabuli_Chr02	NC_021161.1	7151392	GG	CC	CC	INTERGENIC		
SNP_6763B_7171728	Ca_Kabuli_Chr02	NC_021161.1	7171728	AA	CC	CC	INTERGENIC		
SNP_6766B_7171984	Ca_Kabuli_Chr02	NC_021161.1	7171984	TT	CC	CC	INTERGENIC		
SNP_6769B_7172745	Ca_Kabuli_Chr02	NC_021161.1	7172745	CC	TT	TT	DRR	101497470	ruBisCO-associated protein-like
SNP_6770B_7173097	Ca_Kabuli_Chr02	NC_021161.1	7173097	AA	TT	TT	DRR	101497470	ruBisCO-associated protein-like
SNP_6771B_7256769	Ca_Kabuli_Chr02	NC_021161.1	7256769	TT	CC	CC	URR	101497806	uncharacterized LOC101497806
SNP_6772B_7261353	Ca_Kabuli_Chr02	NC_021161.1	7261353	GG	AA	AA	SYNONYMOUS_CODING	101498999	uncharacterized LOC101498999
SNP_6773B_7261687	Ca_Kabuli_Chr02	NC_021161.1	7261687	CC	AA	AA	URR	101498999	uncharacterized LOC101498999
SNP_6774B_7275018	Ca_Kabuli_Chr02	NC_021161.1	7275018	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_6775B_7275026	Ca_Kabuli_Chr02	NC_021161.1	7275026	AA	GG	GG	INTERGENIC		
SNP_6777B_7279611	Ca_Kabuli_Chr02	NC_021161.1	7279611	TT	CC	CC	INTERGENIC		
SNP_6778B_7280130	Ca_Kabuli_Chr02	NC_021161.1	7280130	AA	GG	GG	INTERGENIC		
SNP_6779B_7280160	Ca_Kabuli_Chr02	NC_021161.1	7280160	AA	GG	GG	INTERGENIC		
SNP_6780B_7280227	Ca_Kabuli_Chr02	NC_021161.1	7280227	GG	AA	AA	INTERGENIC		
SNP_6781B_7342830	Ca_Kabuli_Chr02	NC_021161.1	7342830	AA	GG	GG	INTERGENIC		
SNP_6782B_7349219	Ca_Kabuli_Chr02	NC_021161.1	7349219	GG	CC	CC	INTERGENIC		
SNP_6783B_7416441	Ca_Kabuli_Chr02	NC_021161.1	7416441	TT	AA	AA	INTERGENIC		
SNP_6784B_7417287	Ca_Kabuli_Chr02	NC_021161.1	7417287	CC	TT	TT	INTERGENIC		
SNP_6785B_7524633	Ca_Kabuli_Chr02	NC_021161.1	7524633	TT	CC	CC	INTERGENIC		
SNP_6786B_7524638	Ca_Kabuli_Chr02	NC_021161.1	7524638	TT	CC	CC	INTERGENIC		
SNP_6787B_7524642	Ca_Kabuli_Chr02	NC_021161.1	7524642	TT	CC	CC	INTERGENIC		
SNP_6788B_7524644	Ca_Kabuli_Chr02	NC_021161.1	7524644	TT	AA	AA	INTERGENIC		
SNP_6789B_7524675	Ca_Kabuli_Chr02	NC_021161.1	7524675	CC	TT	TT	INTERGENIC		
SNP_6790B_7524676	Ca_Kabuli_Chr02	NC_021161.1	7524676	AA	GG	GG	INTERGENIC		
SNP_6791B_7524991	Ca_Kabuli_Chr02	NC_021161.1	7524991	TT	CC	CC	INTERGENIC		
SNP_6792B_7525000	Ca_Kabuli_Chr02	NC_021161.1	7525000	AA	TT	TT	INTERGENIC		
SNP_6793B_7525006	Ca_Kabuli_Chr02	NC_021161.1	7525006	CC	TT	TT	INTERGENIC		
SNP_6794B_7525096	Ca_Kabuli_Chr02	NC_021161.1	7525096	TT	CC	CC	INTERGENIC		
SNP_6795B_7525134	Ca_Kabuli_Chr02	NC_021161.1	7525134	TT	CC	CC	INTERGENIC		
SNP_6796B_7525144	Ca_Kabuli_Chr02	NC_021161.1	7525144	CC	GG	GG	INTERGENIC		
SNP_6797B_7525247	Ca_Kabuli_Chr02	NC_021161.1	7525247	AA	GG	GG	INTERGENIC		
SNP_6798B_7525288	Ca_Kabuli_Chr02	NC_021161.1	7525288	TT	AA	AA	INTERGENIC		
SNP_6802B_7645538	Ca_Kabuli_Chr02	NC_021161.1	7645538	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_6803B_7651574	Ca_Kabuli_Chr02	NC_021161.1	7651574	AA	GG	GG	INTERGENIC		
SNP_6804B_7651635	Ca_Kabuli_Chr02	NC_021161.1	7651635	AA	GG	GG	INTERGENIC		
SNP_6806B_7657166	Ca_Kabuli_Chr02	NC_021161.1	7657166	TT	CC	CC	INTERGENIC		
SNP_6807B_7657183	Ca_Kabuli_Chr02	NC_021161.1	7657183	GG	AA	AA	INTERGENIC		
SNP_6808B_7657185	Ca_Kabuli_Chr02	NC_021161.1	7657185	GG	AA	AA	INTERGENIC		
SNP_6809B_7657220	Ca_Kabuli_Chr02	NC_021161.1	7657220	TT	CC	CC	INTERGENIC		
SNP_6810B_7657226	Ca_Kabuli_Chr02	NC_021161.1	7657226	GG	AA	AA	INTERGENIC		
SNP_6811B_7657598	Ca_Kabuli_Chr02	NC_021161.1	7657598	TT	CC	CC	INTERGENIC		
SNP_6812B_7657664	Ca_Kabuli_Chr02	NC_021161.1	7657664	GG	AA	AA	INTERGENIC		
SNP_6813B_7657665	Ca_Kabuli_Chr02	NC_021161.1	7657665	GG	CC	CC	INTERGENIC		
SNP_6814B_7665815	Ca_Kabuli_Chr02	NC_021161.1	7665815	TT	AA	AA	INTERGENIC		
SNP_6815B_7669054	Ca_Kabuli_Chr02	NC_021161.1	7669054	CC	TT	TT	URR	101502810	glycine-rich cell wall structural protein 1.0-like
SNP_6816B_7669067	Ca_Kabuli_Chr02	NC_021161.1	7669067	CC	TT	TT	URR	101502810	glycine-rich cell wall structural protein 1.0-like
SNP_6817B_7669113	Ca_Kabuli_Chr02	NC_021161.1	7669113	GG	CC	CC	URR	101502810	glycine-rich cell wall structural protein 1.0-like
SNP_6819B_7669973	Ca_Kabuli_Chr02	NC_021161.1	7669973	AA	TT	TT	URR	101502810	glycine-rich cell wall structural protein 1.0-like
SNP_6820B_7674468	Ca_Kabuli_Chr02	NC_021161.1	7674468	TT	GG	GG	INTERGENIC		
SNP_6821B_7674753	Ca_Kabuli_Chr02	NC_021161.1	7674753	TT	GG	GG	INTERGENIC		
SNP_6822B_7674754	Ca_Kabuli_Chr02	NC_021161.1	7674754	GG	TT	TT	INTERGENIC		
SNP_6823B_7674760	Ca_Kabuli_Chr02	NC_021161.1	7674760	AA	GG	GG	INTERGENIC		
SNP_6824B_7679317	Ca_Kabuli_Chr02	NC_021161.1	7679317	TT	CC	CC	INTRON	101503133	protein TRANSPARENT TESTA 12-like
SNP_6825B_7680372	Ca_Kabuli_Chr02	NC_021161.1	7680372	AA	GG	GG	INTRON	101503133	protein TRANSPARENT TESTA 12-like
SNP_6826B_7684146	Ca_Kabuli_Chr02	NC_021161.1	7684146	GG	AA	AA	URR	101503133	protein TRANSPARENT TESTA 12-like
SNP_6827B_7689939	Ca_Kabuli_Chr02	NC_021161.1	7689939	GG	AA	AA	INTERGENIC		
SNP_6828B_7691410	Ca_Kabuli_Chr02	NC_021161.1	7691410	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_6829B_7691414	Ca_Kabuli_Chr02	NC_021161.1	7691414	CC	GG	GG	INTERGENIC		
SNP_6830B_7691415	Ca_Kabuli_Chr02	NC_021161.1	7691415	TT	CC	CC	INTERGENIC		
SNP_6831B_7691448	Ca_Kabuli_Chr02	NC_021161.1	7691448	TT	CC	CC	INTERGENIC		
SNP_6832B_7691458	Ca_Kabuli_Chr02	NC_021161.1	7691458	GG	AA	AA	INTERGENIC		
SNP_6833B_7691463	Ca_Kabuli_Chr02	NC_021161.1	7691463	TT	CC	CC	INTERGENIC		
SNP_6834B_7702813	Ca_Kabuli_Chr02	NC_021161.1	7702813	AA	TT	TT	INTRON	101503455	protein TRANSPARENT TESTA 12-like
SNP_6835B_7703082	Ca_Kabuli_Chr02	NC_021161.1	7703082	AA	GG	GG	INTRON	101503455	protein TRANSPARENT TESTA 12-like
SNP_6836B_7705682	Ca_Kabuli_Chr02	NC_021161.1	7705682	GG	AA	AA	INTERGENIC		
SNP_6837B_7705683	Ca_Kabuli_Chr02	NC_021161.1	7705683	AA	GG	GG	INTERGENIC		
SNP_6838B_7711949	Ca_Kabuli_Chr02	NC_021161.1	7711949	TT	GG	GG	DRR	101410558	transfer RNA methionine (anticodon CAU)
SNP_6839B_7712262	Ca_Kabuli_Chr02	NC_021161.1	7712262	AA	GG	GG	DRR	101410558	transfer RNA methionine (anticodon CAU)
SNP_6840B_7712313	Ca_Kabuli_Chr02	NC_021161.1	7712313	TT	CC	CC	DRR	101410558	transfer RNA methionine (anticodon CAU)
SNP_6841B_7713953	Ca_Kabuli_Chr02	NC_021161.1	7713953	GG	AA	AA	URR	101410558	transfer RNA methionine (anticodon CAU)
SNP_6842B_7713962	Ca_Kabuli_Chr02	NC_021161.1	7713962	CC	GG	GG	URR	101410558	transfer RNA methionine (anticodon CAU)
SNP_6843B_7714061	Ca_Kabuli_Chr02	NC_021161.1	7714061	TT	AA	AA	URR	101410558	transfer RNA methionine (anticodon CAU)
SNP_6845B_7723269	Ca_Kabuli_Chr02	NC_021161.1	7723269	GG	TT	TT	INTERGENIC		
SNP_6846B_7723620	Ca_Kabuli_Chr02	NC_021161.1	7723620	CC	TT	TT	INTERGENIC		
SNP_6847B_7723683	Ca_Kabuli_Chr02	NC_021161.1	7723683	TT	GG	GG	INTERGENIC		
SNP_6849B_7727899	Ca_Kabuli_Chr02	NC_021161.1	7727899	AA	GG	GG	INTERGENIC		
SNP_6850B_7728067	Ca_Kabuli_Chr02	NC_021161.1	7728067	CC	GG	GG	INTERGENIC		
SNP_6851B_7728069	Ca_Kabuli_Chr02	NC_021161.1	7728069	GG	AA	AA	INTERGENIC		
SNP_6852B_7728073	Ca_Kabuli_Chr02	NC_021161.1	7728073	AA	GG	GG	INTERGENIC		
SNP_6853B_7738423	Ca_Kabuli_Chr02	NC_021161.1	7738423	CC	GG	GG	INTERGENIC		
SNP_6854B_7738756	Ca_Kabuli_Chr02	NC_021161.1	7738756	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_6855B_7739058	Ca_Kabuli_Chr02	NC_021161.1	7739058	AA	TT	TT	INTERGENIC		
SNP_6857B_7744969	Ca_Kabuli_Chr02	NC_021161.1	7744969	TT	GG	GG	INTERGENIC		
SNP_6858B_7744973	Ca_Kabuli_Chr02	NC_021161.1	7744973	GG	TT	TT	INTERGENIC		
SNP_6860B_7745268	Ca_Kabuli_Chr02	NC_021161.1	7745268	TT	AA	AA	INTERGENIC		
SNP_6861B_7746725	Ca_Kabuli_Chr02	NC_021161.1	7746725	AA	GG	GG	INTERGENIC		
SNP_6862B_7749930	Ca_Kabuli_Chr02	NC_021161.1	7749930	TT	CC	CC	DRR	101504653	BTB/POZ domain-containing protein At1g67900-like
SNP_6863B_7749951	Ca_Kabuli_Chr02	NC_021161.1	7749951	CC	TT	TT	DRR	101504653	BTB/POZ domain-containing protein At1g67900-like
SNP_6864B_7749954	Ca_Kabuli_Chr02	NC_021161.1	7749954	AA	GG	GG	DRR	101504653	BTB/POZ domain-containing protein At1g67900-like
SNP_6866B_7750167	Ca_Kabuli_Chr02	NC_021161.1	7750167	AA	CC	CC	DRR	101504653	BTB/POZ domain-containing protein At1g67900-like
SNP_6867B_7752958	Ca_Kabuli_Chr02	NC_021161.1	7752958	CC	TT	TT	INTERGENIC		
SNP_6869B_7753419	Ca_Kabuli_Chr02	NC_021161.1	7753419	GG	CC	CC	INTERGENIC		
SNP_6870B_7753425	Ca_Kabuli_Chr02	NC_021161.1	7753425	TT	CC	CC	INTERGENIC		
SNP_6872B_7759184	Ca_Kabuli_Chr02	NC_021161.1	7759184	GG	AA	AA	INTERGENIC		
SNP_6873B_7759186	Ca_Kabuli_Chr02	NC_021161.1	7759186	GG	AA	AA	INTERGENIC		
SNP_6875B_7772542	Ca_Kabuli_Chr02	NC_021161.1	7772542	CC	AA	AA	INTERGENIC		
SNP_6877B_7772793	Ca_Kabuli_Chr02	NC_021161.1	7772793	CC	GG	GG	INTERGENIC		
SNP_6879B_7779390	Ca_Kabuli_Chr02	NC_021161.1	7779390	CC	TT	TT	INTERGENIC		
SNP_6881B_7783624	Ca_Kabuli_Chr02	NC_021161.1	7783624	TT	CC	CC	DRR	101515490	serine/threonine-protein phosphatase 7 long form homolog
SNP_6882B_7789252	Ca_Kabuli_Chr02	NC_021161.1	7789252	GG	CC	CC	INTERGENIC		
SNP_6883B_7789262	Ca_Kabuli_Chr02	NC_021161.1	7789262	CC	TT	TT	INTERGENIC		
SNP_6884B_7789264	Ca_Kabuli_Chr02	NC_021161.1	7789264	GG	TT	TT	INTERGENIC		
SNP_6885B_7789288	Ca_Kabuli_Chr02	NC_021161.1	7789288	GG	TT	TT	INTERGENIC		
SNP_6887B_7804995	Ca_Kabuli_Chr02	NC_021161.1	7804995	TT	AA	AA	INTERGENIC		
SNP_6888B_7810039	Ca_Kabuli_Chr02	NC_021161.1	7810039	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_6889B_7810042	Ca_Kabuli_Chr02	NC_021161.1	7810042	TT	GG	GG	INTERGENIC		
SNP_6890B_7810792	Ca_Kabuli_Chr02	NC_021161.1	7810792	TT	GG	GG	INTERGENIC		
SNP_6892B_7812232	Ca_Kabuli_Chr02	NC_021161.1	7812232	CC	TT	TT	INTERGENIC		
SNP_6893B_7812237	Ca_Kabuli_Chr02	NC_021161.1	7812237	GG	AA	AA	INTERGENIC		
SNP_6894B_7817277	Ca_Kabuli_Chr02	NC_021161.1	7817277	TT	AA	AA	INTERGENIC		
SNP_6895B_7817305	Ca_Kabuli_Chr02	NC_021161.1	7817305	CC	TT	TT	INTERGENIC		
SNP_6897B_7818720	Ca_Kabuli_Chr02	NC_021161.1	7818720	AA	GG	GG	DRR	101505281	flavonol synthase/flavanone 3-hydroxylase-like
SNP_6898B_7818722	Ca_Kabuli_Chr02	NC_021161.1	7818722	GG	AA	AA	DRR	101505281	flavonol synthase/flavanone 3-hydroxylase-like
SNP_6899B_7863068	Ca_Kabuli_Chr02	NC_021161.1	7863068	AA	TT	TT	URR	101507021	peroxisomal primary amine oxidase-like
SNP_6900B_7864532	Ca_Kabuli_Chr02	NC_021161.1	7864532	GG	AA	AA	DRR	101507342	uncharacterized LOC101507342
SNP_6901B_7864535	Ca_Kabuli_Chr02	NC_021161.1	7864535	AA	TT	TT	DRR	101507342	uncharacterized LOC101507342
SNP_6902B_7894513	Ca_Kabuli_Chr02	NC_021161.1	7894513	AA	GG	GG	URR	101508288	glutamate--glyoxylate aminotransferase 2
SNP_6903B_7894657	Ca_Kabuli_Chr02	NC_021161.1	7894657	TT	CC	CC	URR	101508288	glutamate--glyoxylate aminotransferase 2
SNP_6904B_7894701	Ca_Kabuli_Chr02	NC_021161.1	7894701	AA	TT	TT	URR	101508288	glutamate--glyoxylate aminotransferase 2
SNP_6906B_7915549	Ca_Kabuli_Chr02	NC_021161.1	7915549	GG	AA	AA	URR	101509139	peroxidase 57-like
SNP_6907B_7919605	Ca_Kabuli_Chr02	NC_021161.1	7919605	AA	TT	TT	INTRON	101509466	lysM domain receptor-like kinase 3
SNP_6908B_7919628	Ca_Kabuli_Chr02	NC_021161.1	7919628	TT	GG	GG	INTRON	101509466	lysM domain receptor-like kinase 3
SNP_6909B_7919630	Ca_Kabuli_Chr02	NC_021161.1	7919630	GG	AA	AA	INTRON	101509466	lysM domain receptor-like kinase 3
SNP_6910B_7920385	Ca_Kabuli_Chr02	NC_021161.1	7920385	GG	AA	AA	INTRON	101509466	lysM domain receptor-like kinase 3
SNP_6911B_7921905	Ca_Kabuli_Chr02	NC_021161.1	7921905	AA	CC	CC	INTRON	101509466	lysM domain receptor-like kinase 3
SNP_6912B_7923401	Ca_Kabuli_Chr02	NC_021161.1	7923401	GG	AA	AA	URR	101509466	lysM domain receptor-like kinase 3
SNP_6913B_7923414	Ca_Kabuli_Chr02	NC_021161.1	7923414	AA	CC	CC	URR	101509466	lysM domain receptor-like kinase 3
SNP_6914B_7923642	Ca_Kabuli_Chr02	NC_021161.1	7923642	AA	CC	CC	URR	101509466	lysM domain receptor-like kinase 3
SNP_6915B_7923654	Ca_Kabuli_Chr02	NC_021161.1	7923654	CC	TT	TT	URR	101509466	lysM domain receptor-like kinase 3

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_6916B_7924051	Ca_Kabuli_Chr02	NC_021161.1	7924051	GG	TT	TT	URR	101509466	lysM domain receptor-like kinase 3
SNP_6917B_7926366	Ca_Kabuli_Chr02	NC_021161.1	7926366	GG	AA	AA	INTERGENIC		
SNP_6918B_7926412	Ca_Kabuli_Chr02	NC_021161.1	7926412	AA	GG	GG	INTERGENIC		
SNP_6921B_7935407	Ca_Kabuli_Chr02	NC_021161.1	7935407	GG	AA	AA	INTRON	101489241	tryptophan aminotransferase-related protein 1-like
SNP_6922B_7935690	Ca_Kabuli_Chr02	NC_021161.1	7935690	GG	AA	AA	INTRON	101489241	tryptophan aminotransferase-related protein 1-like
SNP_6923B_7936619	Ca_Kabuli_Chr02	NC_021161.1	7936619	TT	CC	CC	INTRON	101489241	tryptophan aminotransferase-related protein 1-like
SNP_6924B_7938466	Ca_Kabuli_Chr02	NC_021161.1	7938466	GG	CC	CC	INTRON	101489241	tryptophan aminotransferase-related protein 1-like
SNP_6928B_7940162	Ca_Kabuli_Chr02	NC_021161.1	7940162	AA	GG	GG	URR	101489241	tryptophan aminotransferase-related protein 1-like
SNP_6929B_8005170	Ca_Kabuli_Chr02	NC_021161.1	8005170	AA	GG	GG	INTERGENIC		
SNP_6930B_8005421	Ca_Kabuli_Chr02	NC_021161.1	8005421	CC	GG	GG	INTERGENIC		
SNP_6931B_8005445	Ca_Kabuli_Chr02	NC_021161.1	8005445	AA	TT	TT	INTERGENIC		
SNP_6932B_8005487	Ca_Kabuli_Chr02	NC_021161.1	8005487	GG	AA	AA	INTERGENIC		
SNP_6933B_8005500	Ca_Kabuli_Chr02	NC_021161.1	8005500	AA	GG	GG	INTERGENIC		
SNP_6934B_8005534	Ca_Kabuli_Chr02	NC_021161.1	8005534	GG	AA	AA	INTERGENIC		
SNP_6935B_8005544	Ca_Kabuli_Chr02	NC_021161.1	8005544	AA	GG	GG	INTERGENIC		
SNP_6936B_8005546	Ca_Kabuli_Chr02	NC_021161.1	8005546	CC	TT	TT	INTERGENIC		
SNP_6937B_8005614	Ca_Kabuli_Chr02	NC_021161.1	8005614	TT	AA	AA	INTERGENIC		
SNP_6938B_8005624	Ca_Kabuli_Chr02	NC_021161.1	8005624	TT	CC	CC	INTERGENIC		
SNP_6939B_8005637	Ca_Kabuli_Chr02	NC_021161.1	8005637	AA	CC	CC	INTERGENIC		
SNP_6940B_8005661	Ca_Kabuli_Chr02	NC_021161.1	8005661	AA	GG	GG	INTERGENIC		
SNP_6941B_8005704	Ca_Kabuli_Chr02	NC_021161.1	8005704	AA	CC	CC	INTERGENIC		
SNP_6942B_8005747	Ca_Kabuli_Chr02	NC_021161.1	8005747	AA	GG	GG	INTERGENIC		
SNP_6943B_8006030	Ca_Kabuli_Chr02	NC_021161.1	8006030	TT	CC	CC	INTERGENIC		
SNP_6944B_8006201	Ca_Kabuli_Chr02	NC_021161.1	8006201	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_6945B_8010680	Ca_Kabuli_Chr02	NC_021161.1	8010680	TT	AA	AA	INTERGENIC		
SNP_6946B_8163210	Ca_Kabuli_Chr02	NC_021161.1	8163210	GG	AA	AA	INTERGENIC		
SNP_6947B_8163246	Ca_Kabuli_Chr02	NC_021161.1	8163246	CC	TT	TT	INTERGENIC		
SNP_6948B_8163280	Ca_Kabuli_Chr02	NC_021161.1	8163280	GG	AA	AA	INTERGENIC		
SNP_6949B_8228432	Ca_Kabuli_Chr02	NC_021161.1	8228432	CC	TT	TT	INTERGENIC		
SNP_6950B_8228471	Ca_Kabuli_Chr02	NC_021161.1	8228471	AA	GG	GG	INTERGENIC		
SNP_6951B_8228505	Ca_Kabuli_Chr02	NC_021161.1	8228505	CC	TT	TT	INTERGENIC		
SNP_6952B_8228506	Ca_Kabuli_Chr02	NC_021161.1	8228506	TT	GG	GG	INTERGENIC		
SNP_6953B_8269876	Ca_Kabuli_Chr02	NC_021161.1	8269876	TT	GG	GG	URR	101493790	uncharacterized LOC101493790
SNP_6954B_8269877	Ca_Kabuli_Chr02	NC_021161.1	8269877	TT	GG	GG	URR	101493790	uncharacterized LOC101493790
SNP_6959B_8420352	Ca_Kabuli_Chr02	NC_021161.1	8420352	CC	TT	TT	INTERGENIC		
SNP_6960B_8420560	Ca_Kabuli_Chr02	NC_021161.1	8420560	AA	CC	CC	INTERGENIC		
SNP_6961B_8420671	Ca_Kabuli_Chr02	NC_021161.1	8420671	TT	AA	AA	INTERGENIC		
SNP_6962B_8423651	Ca_Kabuli_Chr02	NC_021161.1	8423651	AA	GG	GG	INTERGENIC		
SNP_6963B_8425858	Ca_Kabuli_Chr02	NC_021161.1	8425858	AA	TT	TT	INTRON	101499637	Unknown function
SNP_6964B_8428868	Ca_Kabuli_Chr02	NC_021161.1	8428868	TT	CC	CC	INTRON	101499637	Unknown function
SNP_6965B_8433706	Ca_Kabuli_Chr02	NC_021161.1	8433706	GG	CC	CC	DRR	101499940	Unknown function
SNP_6966B_8434653	Ca_Kabuli_Chr02	NC_021161.1	8434653	AA	TT	TT	URR	101499940	Unknown function
SNP_6967B_8478740	Ca_Kabuli_Chr02	NC_021161.1	8478740	AA	CC	CC	INTERGENIC		
SNP_6968B_8478767	Ca_Kabuli_Chr02	NC_021161.1	8478767	GG	TT	TT	INTERGENIC		
SNP_6970B_8478860	Ca_Kabuli_Chr02	NC_021161.1	8478860	GG	CC	CC	INTERGENIC		
SNP_6971B_8478862	Ca_Kabuli_Chr02	NC_021161.1	8478862	GG	TT	TT	INTERGENIC		
SNP_6973B_8478939	Ca_Kabuli_Chr02	NC_021161.1	8478939	CC	AA	AA	INTERGENIC		
SNP_6974B_8479011	Ca_Kabuli_Chr02	NC_021161.1	8479011	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_6975B_8479012	Ca_Kabuli_Chr02	NC_021161.1	8479012	TT	AA	AA	INTERGENIC		
SNP_6976B_8479013	Ca_Kabuli_Chr02	NC_021161.1	8479013	GG	AA	AA	INTERGENIC		
SNP_6977B_8479119	Ca_Kabuli_Chr02	NC_021161.1	8479119	TT	AA	AA	INTERGENIC		
SNP_6978B_8479141	Ca_Kabuli_Chr02	NC_021161.1	8479141	TT	AA	AA	INTERGENIC		
SNP_6979B_8479455	Ca_Kabuli_Chr02	NC_021161.1	8479455	CC	TT	TT	INTERGENIC		
SNP_6980B_8479579	Ca_Kabuli_Chr02	NC_021161.1	8479579	CC	TT	TT	INTERGENIC		
SNP_6981B_8479616	Ca_Kabuli_Chr02	NC_021161.1	8479616	GG	AA	AA	INTERGENIC		
SNP_6982B_8479622	Ca_Kabuli_Chr02	NC_021161.1	8479622	GG	CC	CC	INTERGENIC		
SNP_6983B_8479643	Ca_Kabuli_Chr02	NC_021161.1	8479643	AA	GG	GG	INTERGENIC		
SNP_6984B_8479662	Ca_Kabuli_Chr02	NC_021161.1	8479662	GG	AA	AA	INTERGENIC		
SNP_6985B_8479675	Ca_Kabuli_Chr02	NC_021161.1	8479675	GG	AA	AA	INTERGENIC		
SNP_6986B_8479746	Ca_Kabuli_Chr02	NC_021161.1	8479746	AA	GG	GG	INTERGENIC		
SNP_6987B_8479768	Ca_Kabuli_Chr02	NC_021161.1	8479768	GG	AA	AA	INTERGENIC		
SNP_6988B_8479795	Ca_Kabuli_Chr02	NC_021161.1	8479795	AA	GG	GG	INTERGENIC		
SNP_6989B_8479829	Ca_Kabuli_Chr02	NC_021161.1	8479829	TT	CC	CC	INTERGENIC		
SNP_6990B_8480020	Ca_Kabuli_Chr02	NC_021161.1	8480020	GG	CC	CC	INTERGENIC		
SNP_6991B_8542285	Ca_Kabuli_Chr02	NC_021161.1	8542285	TT	CC	CC	INTERGENIC		
SNP_6992B_8586851	Ca_Kabuli_Chr02	NC_021161.1	8586851	AA	TT	TT	URR	101509033	probably inactive leucine-rich repeat receptor-like protein kinase At5g48380
SNP_6993B_8664225	Ca_Kabuli_Chr02	NC_021161.1	8664225	TT	GG	GG	INTERGENIC		
SNP_6994B_8716399	Ca_Kabuli_Chr02	NC_021161.1	8716399	TT	CC	CC	INTRON	101506366	AP-1 complex subunit gamma-2-like
SNP_6995B_8724174	Ca_Kabuli_Chr02	NC_021161.1	8724174	AA	GG	GG	INTRON	101506366	AP-1 complex subunit gamma-2-like
SNP_6996B_8808469	Ca_Kabuli_Chr02	NC_021161.1	8808469	TT	AA	AA	INTERGENIC		
SNP_6997B_8821604	Ca_Kabuli_Chr02	NC_021161.1	8821604	TT	GG	GG	INTERGENIC		
SNP_6998B_9256869	Ca_Kabuli_Chr02	NC_021161.1	9256869	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_6999B_9272879	Ca_Kabuli_Chr02	NC_021161.1	9272879	CC	GG	GG	INTERGENIC		
SNP_7000B_9311830	Ca_Kabuli_Chr02	NC_021161.1	9311830	CC	TT	TT	INTERGENIC		
SNP_7001B_9311834	Ca_Kabuli_Chr02	NC_021161.1	9311834	AA	GG	GG	INTERGENIC		
SNP_7002B_9311854	Ca_Kabuli_Chr02	NC_021161.1	9311854	CC	GG	GG	INTERGENIC		
SNP_7003B_9360423	Ca_Kabuli_Chr02	NC_021161.1	9360423	TT	GG	GG	INTERGENIC		
SNP_7004B_9408298	Ca_Kabuli_Chr02	NC_021161.1	9408298	TT	CC	CC	INTERGENIC		
SNP_7005B_9494001	Ca_Kabuli_Chr02	NC_021161.1	9494001	CC	TT	TT	INTERGENIC		
SNP_7007B_9494121	Ca_Kabuli_Chr02	NC_021161.1	9494121	AA	GG	GG	INTERGENIC		
SNP_7008B_9494315	Ca_Kabuli_Chr02	NC_021161.1	9494315	CC	GG	GG	INTERGENIC		
SNP_7009B_9494327	Ca_Kabuli_Chr02	NC_021161.1	9494327	CC	GG	GG	INTERGENIC		
SNP_7010B_9494348	Ca_Kabuli_Chr02	NC_021161.1	9494348	AA	CC	CC	INTERGENIC		
SNP_7011B_9494377	Ca_Kabuli_Chr02	NC_021161.1	9494377	TT	CC	CC	INTERGENIC		
SNP_7012B_9494399	Ca_Kabuli_Chr02	NC_021161.1	9494399	CC	GG	GG	INTERGENIC		
SNP_7013B_9494402	Ca_Kabuli_Chr02	NC_021161.1	9494402	CC	AA	AA	INTERGENIC		
SNP_7014B_9494473	Ca_Kabuli_Chr02	NC_021161.1	9494473	CC	TT	TT	INTERGENIC		
SNP_7015B_9498604	Ca_Kabuli_Chr02	NC_021161.1	9498604	AA	GG	GG	DRR	101490118	uncharacterized LOC101490118
SNP_7016B_9498620	Ca_Kabuli_Chr02	NC_021161.1	9498620	TT	CC	CC	DRR	101490118	uncharacterized LOC101490118
SNP_7017B_9498863	Ca_Kabuli_Chr02	NC_021161.1	9498863	TT	AA	AA	DRR	101490118	uncharacterized LOC101490118
SNP_7018B_9498915	Ca_Kabuli_Chr02	NC_021161.1	9498915	TT	CC	CC	DRR	101490118	uncharacterized LOC101490118
SNP_7019B_9498966	Ca_Kabuli_Chr02	NC_021161.1	9498966	AA	GG	GG	DRR	101490118	uncharacterized LOC101490118
SNP_7020B_9499244	Ca_Kabuli_Chr02	NC_021161.1	9499244	AA	GG	GG	URR	101491932	uncharacterized LOC101491932
SNP_7021B_9499509	Ca_Kabuli_Chr02	NC_021161.1	9499509	CC	TT	TT	URR	101491932	uncharacterized LOC101491932
SNP_7023B_9500251	Ca_Kabuli_Chr02	NC_021161.1	9500251	TT	CC	CC	NON_SYNONYMOUS_CODING	id30839	Unknown function
SNP_7024B_9609320	Ca_Kabuli_Chr02	NC_021161.1	9609320	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7025B_9612949	Ca_Kabuli_Chr02	NC_021161.1	9612949	GG	AA	AA	INTERGENIC		
SNP_7026B_9612958	Ca_Kabuli_Chr02	NC_021161.1	9612958	AA	CC	CC	INTERGENIC		
SNP_7027B_9612976	Ca_Kabuli_Chr02	NC_021161.1	9612976	TT	CC	CC	INTERGENIC		
SNP_7028B_9613228	Ca_Kabuli_Chr02	NC_021161.1	9613228	TT	CC	CC	INTERGENIC		
SNP_7029B_9613235	Ca_Kabuli_Chr02	NC_021161.1	9613235	AA	GG	GG	INTERGENIC		
SNP_7030B_9613266	Ca_Kabuli_Chr02	NC_021161.1	9613266	CC	TT	TT	INTERGENIC		
SNP_7031B_9613343	Ca_Kabuli_Chr02	NC_021161.1	9613343	AA	GG	GG	INTERGENIC		
SNP_7032B_9613366	Ca_Kabuli_Chr02	NC_021161.1	9613366	GG	AA	AA	INTERGENIC		
SNP_7033B_9613372	Ca_Kabuli_Chr02	NC_021161.1	9613372	AA	GG	GG	INTERGENIC		
SNP_7034B_9613376	Ca_Kabuli_Chr02	NC_021161.1	9613376	TT	CC	CC	INTERGENIC		
SNP_7035B_9647537	Ca_Kabuli_Chr02	NC_021161.1	9647537	TT	CC	CC	INTRON	101495609	uncharacterized LOC101495609
SNP_7036B_9647556	Ca_Kabuli_Chr02	NC_021161.1	9647556	GG	AA	AA	INTRON	101495609	uncharacterized LOC101495609
SNP_7037B_9647583	Ca_Kabuli_Chr02	NC_021161.1	9647583	AA	TT	TT	INTRON	101495609	uncharacterized LOC101495609
SNP_7038B_9647585	Ca_Kabuli_Chr02	NC_021161.1	9647585	TT	AA	AA	INTRON	101495609	uncharacterized LOC101495609
SNP_7039B_9647944	Ca_Kabuli_Chr02	NC_021161.1	9647944	TT	GG	GG	NON_SYNONYMOUS_CODING	101495609	uncharacterized LOC101495609
SNP_7040B_9652756	Ca_Kabuli_Chr02	NC_021161.1	9652756	TT	AA	AA	INTERGENIC		
SNP_7041B_9689649	Ca_Kabuli_Chr02	NC_021161.1	9689649	TT	CC	CC	URR	101493694	paired amphipathic helix protein Sin3-like 4
SNP_7043B_9694205	Ca_Kabuli_Chr02	NC_021161.1	9694205	AA	GG	GG	INTERGENIC		
SNP_7045B_9737338	Ca_Kabuli_Chr02	NC_021161.1	9737338	TT	CC	CC	INTERGENIC		
SNP_7046B_9737339	Ca_Kabuli_Chr02	NC_021161.1	9737339	GG	TT	TT	INTERGENIC		
SNP_7047B_9776583	Ca_Kabuli_Chr02	NC_021161.1	9776583	TT	CC	CC	INTERGENIC		
SNP_7048B_9776726	Ca_Kabuli_Chr02	NC_021161.1	9776726	GG	TT	TT	INTERGENIC		
SNP_7049B_9782308	Ca_Kabuli_Chr02	NC_021161.1	9782308	CC	TT	TT	INTERGENIC		
SNP_7050B_9782636	Ca_Kabuli_Chr02	NC_021161.1	9782636	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7051B_9782825	Ca_Kabuli_Chr02	NC_021161.1	9782825	AA	GG	GG	INTERGENIC		
SNP_7052B_9881706	Ca_Kabuli_Chr02	NC_021161.1	9881706	TT	CC	CC	INTERGENIC		
SNP_7054B_9929836	Ca_Kabuli_Chr02	NC_021161.1	9929836	AA	CC	CC	INTERGENIC		
SNP_7055B_9929872	Ca_Kabuli_Chr02	NC_021161.1	9929872	TT	CC	CC	INTERGENIC		
SNP_7056B_9929873	Ca_Kabuli_Chr02	NC_021161.1	9929873	AA	GG	GG	INTERGENIC		
SNP_7057B_9929920	Ca_Kabuli_Chr02	NC_021161.1	9929920	TT	CC	CC	INTERGENIC		
SNP_7059B_10083364	Ca_Kabuli_Chr02	NC_021161.1	10083364	TT	AA	AA	INTERGENIC		
SNP_7060B_10104782	Ca_Kabuli_Chr02	NC_021161.1	10104782	AA	GG	GG	URR	101507143	nucleolar complex protein 2 homolog
SNP_7061B_10175093	Ca_Kabuli_Chr02	NC_021161.1	10175093	CC	TT	TT	INTERGENIC		
SNP_7062B_10202073	Ca_Kabuli_Chr02	NC_021161.1	10202073	TT	AA	AA	INTERGENIC		
SNP_7063B_10208016	Ca_Kabuli_Chr02	NC_021161.1	10208016	AA	GG	GG	INTERGENIC		
SNP_7064B_10362088	Ca_Kabuli_Chr02	NC_021161.1	10362088	TT	CC	CC	INTERGENIC		
SNP_7065B_10362144	Ca_Kabuli_Chr02	NC_021161.1	10362144	AA	GG	GG	INTERGENIC		
SNP_7066B_10362153	Ca_Kabuli_Chr02	NC_021161.1	10362153	TT	CC	CC	INTERGENIC		
SNP_7067B_10362194	Ca_Kabuli_Chr02	NC_021161.1	10362194	CC	GG	GG	INTERGENIC		
SNP_7068B_10362507	Ca_Kabuli_Chr02	NC_021161.1	10362507	AA	TT	TT	URR	101513982	shootin-1
SNP_7069B_10473937	Ca_Kabuli_Chr02	NC_021161.1	10473937	GG	TT	TT	INTRON	101489362	uncharacterized LOC101489362
SNP_7070B_10540564	Ca_Kabuli_Chr02	NC_021161.1	10540564	CC	AA	AA	INTERGENIC		
SNP_7071B_10540607	Ca_Kabuli_Chr02	NC_021161.1	10540607	CC	GG	GG	INTERGENIC		
SNP_7072B_10540612	Ca_Kabuli_Chr02	NC_021161.1	10540612	TT	CC	CC	INTERGENIC		
SNP_7073B_10541017	Ca_Kabuli_Chr02	NC_021161.1	10541017	TT	GG	GG	INTERGENIC		
SNP_7074B_10541106	Ca_Kabuli_Chr02	NC_021161.1	10541106	TT	GG	GG	INTERGENIC		
SNP_7075B_10541135	Ca_Kabuli_Chr02	NC_021161.1	10541135	AA	TT	TT	INTERGENIC		
SNP_7076B_10541144	Ca_Kabuli_Chr02	NC_021161.1	10541144	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7077B_10541157	Ca_Kabuli_Chr02	NC_021161.1	10541157	AA	GG	GG	INTERGENIC		
SNP_7078B_10541166	Ca_Kabuli_Chr02	NC_021161.1	10541166	AA	CC	CC	INTERGENIC		
SNP_7079B_10541193	Ca_Kabuli_Chr02	NC_021161.1	10541193	AA	GG	GG	INTERGENIC		
SNP_7080B_10544398	Ca_Kabuli_Chr02	NC_021161.1	10544398	AA	TT	TT	INTERGENIC		
SNP_7081B_10544629	Ca_Kabuli_Chr02	NC_021161.1	10544629	GG	AA	AA	INTERGENIC		
SNP_7082B_10554065	Ca_Kabuli_Chr02	NC_021161.1	10554065	CC	TT	TT	INTERGENIC		
SNP_7083B_10599713	Ca_Kabuli_Chr02	NC_021161.1	10599713	AA	CC	CC	INTERGENIC		
SNP_7084B_10599714	Ca_Kabuli_Chr02	NC_021161.1	10599714	AA	TT	TT	INTERGENIC		
SNP_7085B_10664264	Ca_Kabuli_Chr02	NC_021161.1	10664264	GG	CC	CC	INTERGENIC		
SNP_7086B_10664697	Ca_Kabuli_Chr02	NC_021161.1	10664697	TT	CC	CC	DRR	101497809	uncharacterized LOC101497809
SNP_7087B_10664711	Ca_Kabuli_Chr02	NC_021161.1	10664711	TT	CC	CC	DRR	101497809	uncharacterized LOC101497809
SNP_7088B_10664715	Ca_Kabuli_Chr02	NC_021161.1	10664715	TT	GG	GG	DRR	101497809	uncharacterized LOC101497809
SNP_7089B_10664729	Ca_Kabuli_Chr02	NC_021161.1	10664729	TT	CC	CC	DRR	101497809	uncharacterized LOC101497809
SNP_7090B_10664751	Ca_Kabuli_Chr02	NC_021161.1	10664751	AA	GG	GG	DRR	101497809	uncharacterized LOC101497809
SNP_7091B_10664753	Ca_Kabuli_Chr02	NC_021161.1	10664753	AA	CC	CC	DRR	101497809	uncharacterized LOC101497809
SNP_7092B_10682185	Ca_Kabuli_Chr02	NC_021161.1	10682185	AA	CC	CC	INTRON	101497809	uncharacterized LOC101497809
SNP_7093B_10696997	Ca_Kabuli_Chr02	NC_021161.1	10696997	TT	CC	CC	INTRON	101498127	protein NRT1/ PTR FAMILY 2.13-like
SNP_7094B_10719924	Ca_Kabuli_Chr02	NC_021161.1	10719924	TT	CC	CC	INTERGENIC		
SNP_7095B_10722930	Ca_Kabuli_Chr02	NC_021161.1	10722930	GG	AA	AA	INTERGENIC		
SNP_7096B_10767213	Ca_Kabuli_Chr02	NC_021161.1	10767213	AA	GG	GG	INTERGENIC		
SNP_7097B_10767573	Ca_Kabuli_Chr02	NC_021161.1	10767573	GG	AA	AA	INTERGENIC		
SNP_7098B_10767614	Ca_Kabuli_Chr02	NC_021161.1	10767614	TT	CC	CC	INTERGENIC		
SNP_7099B_10767631	Ca_Kabuli_Chr02	NC_021161.1	10767631	TT	AA	AA	INTERGENIC		
SNP_7100B_10767634	Ca_Kabuli_Chr02	NC_021161.1	10767634	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7101B_10777522	Ca_Kabuli_Chr02	NC_021161.1	10777522	TT	CC	CC	INTERGENIC		
SNP_7102B_10777577	Ca_Kabuli_Chr02	NC_021161.1	10777577	GG	AA	AA	INTERGENIC		
SNP_7103B_10777582	Ca_Kabuli_Chr02	NC_021161.1	10777582	AA	GG	GG	INTERGENIC		
SNP_7104B_10778739	Ca_Kabuli_Chr02	NC_021161.1	10778739	AA	TT	TT	INTERGENIC		
SNP_7105B_10778744	Ca_Kabuli_Chr02	NC_021161.1	10778744	TT	CC	CC	INTERGENIC		
SNP_7106B_10778745	Ca_Kabuli_Chr02	NC_021161.1	10778745	CC	TT	TT	INTERGENIC		
SNP_7107B_10778781	Ca_Kabuli_Chr02	NC_021161.1	10778781	TT	CC	CC	INTERGENIC		
SNP_7108B_10778787	Ca_Kabuli_Chr02	NC_021161.1	10778787	AA	CC	CC	INTERGENIC		
SNP_7109B_10778789	Ca_Kabuli_Chr02	NC_021161.1	10778789	AA	GG	GG	INTERGENIC		
SNP_7110B_10779028	Ca_Kabuli_Chr02	NC_021161.1	10779028	CC	TT	TT	INTERGENIC		
SNP_7111B_10779054	Ca_Kabuli_Chr02	NC_021161.1	10779054	TT	CC	CC	INTERGENIC		
SNP_7112B_10779060	Ca_Kabuli_Chr02	NC_021161.1	10779060	GG	AA	AA	INTERGENIC		
SNP_7113B_10779069	Ca_Kabuli_Chr02	NC_021161.1	10779069	TT	CC	CC	INTERGENIC		
SNP_7115B_10779312	Ca_Kabuli_Chr02	NC_021161.1	10779312	TT	CC	CC	INTERGENIC		
SNP_7116B_10779338	Ca_Kabuli_Chr02	NC_021161.1	10779338	CC	TT	TT	INTERGENIC		
SNP_7117B_10779374	Ca_Kabuli_Chr02	NC_021161.1	10779374	TT	CC	CC	INTERGENIC		
SNP_7118B_10779384	Ca_Kabuli_Chr02	NC_021161.1	10779384	TT	CC	CC	INTERGENIC		
SNP_7119B_10779528	Ca_Kabuli_Chr02	NC_021161.1	10779528	CC	TT	TT	INTERGENIC		
SNP_7120B_10789973	Ca_Kabuli_Chr02	NC_021161.1	10789973	AA	GG	GG	INTERGENIC		
SNP_7121B_10794596	Ca_Kabuli_Chr02	NC_021161.1	10794596	GG	AA	AA	INTERGENIC		
SNP_7122B_10796725	Ca_Kabuli_Chr02	NC_021161.1	10796725	GG	AA	AA	INTERGENIC		
SNP_7123B_10796916	Ca_Kabuli_Chr02	NC_021161.1	10796916	CC	TT	TT	INTERGENIC		
SNP_7124B_10834714	Ca_Kabuli_Chr02	NC_021161.1	10834714	CC	TT	TT	INTERGENIC		
SNP_7125B_10834756	Ca_Kabuli_Chr02	NC_021161.1	10834756	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7126B_10834792	Ca_Kabuli_Chr02	NC_021161.1	10834792	TT	CC	CC	INTERGENIC		
SNP_7127B_10834837	Ca_Kabuli_Chr02	NC_021161.1	10834837	CC	TT	TT	INTERGENIC		
SNP_7128B_10834867	Ca_Kabuli_Chr02	NC_021161.1	10834867	CC	TT	TT	INTERGENIC		
SNP_7129B_10834879	Ca_Kabuli_Chr02	NC_021161.1	10834879	TT	CC	CC	INTERGENIC		
SNP_7130B_10834882	Ca_Kabuli_Chr02	NC_021161.1	10834882	GG	AA	AA	INTERGENIC		
SNP_7131B_10834891	Ca_Kabuli_Chr02	NC_021161.1	10834891	TT	CC	CC	INTERGENIC		
SNP_7132B_10835167	Ca_Kabuli_Chr02	NC_021161.1	10835167	TT	CC	CC	INTERGENIC		
SNP_7133B_10835173	Ca_Kabuli_Chr02	NC_021161.1	10835173	CC	TT	TT	INTERGENIC		
SNP_7134B_10835179	Ca_Kabuli_Chr02	NC_021161.1	10835179	AA	GG	GG	INTERGENIC		
SNP_7135B_10835201	Ca_Kabuli_Chr02	NC_021161.1	10835201	TT	CC	CC	INTERGENIC		
SNP_7136B_10840879	Ca_Kabuli_Chr02	NC_021161.1	10840879	AA	GG	GG	INTERGENIC		
SNP_7137B_10840939	Ca_Kabuli_Chr02	NC_021161.1	10840939	AA	GG	GG	INTERGENIC		
SNP_7138B_10850021	Ca_Kabuli_Chr02	NC_021161.1	10850021	AA	CC	CC	INTERGENIC		
SNP_7139B_10851085	Ca_Kabuli_Chr02	NC_021161.1	10851085	GG	AA	AA	INTERGENIC		
SNP_7140B_10851090	Ca_Kabuli_Chr02	NC_021161.1	10851090	CC	TT	TT	INTERGENIC		
SNP_7141B_10851224	Ca_Kabuli_Chr02	NC_021161.1	10851224	AA	GG	GG	INTERGENIC		
SNP_7142B_10851248	Ca_Kabuli_Chr02	NC_021161.1	10851248	CC	TT	TT	INTERGENIC		
SNP_7143B_10878862	Ca_Kabuli_Chr02	NC_021161.1	10878862	TT	CC	CC	INTERGENIC		
SNP_7144B_10878921	Ca_Kabuli_Chr02	NC_021161.1	10878921	AA	GG	GG	INTERGENIC		
SNP_7145B_10888810	Ca_Kabuli_Chr02	NC_021161.1	10888810	TT	CC	CC	INTERGENIC		
SNP_7146B_10888814	Ca_Kabuli_Chr02	NC_021161.1	10888814	GG	AA	AA	INTERGENIC		
SNP_7147B_10888820	Ca_Kabuli_Chr02	NC_021161.1	10888820	CC	GG	GG	INTERGENIC		
SNP_7148B_10890774	Ca_Kabuli_Chr02	NC_021161.1	10890774	AA	TT	TT	INTERGENIC		
SNP_7149B_10947995	Ca_Kabuli_Chr02	NC_021161.1	10947995	AA	GG	GG	URR	101493589	5-formyltetrahydrofolate cyclo-ligase, mitochondrial

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7151B_11010066	Ca_Kabuli_Chr02	NC_021161.1	11010066	GG	AA	AA	INTERGENIC		
SNP_7152B_11031029	Ca_Kabuli_Chr02	NC_021161.1	11031029	AA	TT	TT	INTERGENIC		
SNP_7153B_11055863	Ca_Kabuli_Chr02	NC_021161.1	11055863	GG	AA	AA	INTERGENIC		
SNP_7154B_11055915	Ca_Kabuli_Chr02	NC_021161.1	11055915	AA	GG	GG	INTERGENIC		
SNP_7155B_11056205	Ca_Kabuli_Chr02	NC_021161.1	11056205	AA	GG	GG	INTERGENIC		
SNP_7156B_11056309	Ca_Kabuli_Chr02	NC_021161.1	11056309	AA	GG	GG	INTERGENIC		
SNP_7157B_11056315	Ca_Kabuli_Chr02	NC_021161.1	11056315	TT	CC	CC	INTERGENIC		
SNP_7158B_11056326	Ca_Kabuli_Chr02	NC_021161.1	11056326	AA	GG	GG	INTERGENIC		
SNP_7159B_11056356	Ca_Kabuli_Chr02	NC_021161.1	11056356	AA	TT	TT	INTERGENIC		
SNP_7160B_11056375	Ca_Kabuli_Chr02	NC_021161.1	11056375	GG	AA	AA	INTERGENIC		
SNP_7161B_11063613	Ca_Kabuli_Chr02	NC_021161.1	11063613	TT	CC	CC	INTERGENIC		
SNP_7162B_11063643	Ca_Kabuli_Chr02	NC_021161.1	11063643	CC	AA	AA	INTERGENIC		
SNP_7163B_11063719	Ca_Kabuli_Chr02	NC_021161.1	11063719	GG	TT	TT	INTERGENIC		
SNP_7164B_11063749	Ca_Kabuli_Chr02	NC_021161.1	11063749	GG	TT	TT	INTERGENIC		
SNP_7165B_11063764	Ca_Kabuli_Chr02	NC_021161.1	11063764	GG	AA	AA	INTERGENIC		
SNP_7166B_11063774	Ca_Kabuli_Chr02	NC_021161.1	11063774	TT	CC	CC	INTERGENIC		
SNP_7167B_11063914	Ca_Kabuli_Chr02	NC_021161.1	11063914	AA	GG	GG	INTERGENIC		
SNP_7169B_11144016	Ca_Kabuli_Chr02	NC_021161.1	11144016	TT	CC	CC	INTERGENIC		
SNP_7170B_11144035	Ca_Kabuli_Chr02	NC_021161.1	11144035	AA	GG	GG	INTERGENIC		
SNP_7171B_11144068	Ca_Kabuli_Chr02	NC_021161.1	11144068	TT	CC	CC	INTERGENIC		
SNP_7172B_11144093	Ca_Kabuli_Chr02	NC_021161.1	11144093	GG	AA	AA	INTERGENIC		
SNP_7173B_11144095	Ca_Kabuli_Chr02	NC_021161.1	11144095	AA	GG	GG	INTERGENIC		
SNP_7174B_11144114	Ca_Kabuli_Chr02	NC_021161.1	11144114	TT	CC	CC	INTERGENIC		
SNP_7175B_11144152	Ca_Kabuli_Chr02	NC_021161.1	11144152	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7176B_11144153	Ca_Kabuli_Chr02	NC_021161.1	11144153	TT	CC	CC	INTERGENIC		
SNP_7177B_11144181	Ca_Kabuli_Chr02	NC_021161.1	11144181	AA	GG	GG	INTERGENIC		
SNP_7178B_11144339	Ca_Kabuli_Chr02	NC_021161.1	11144339	AA	GG	GG	INTERGENIC		
SNP_7179B_11144354	Ca_Kabuli_Chr02	NC_021161.1	11144354	AA	GG	GG	INTERGENIC		
SNP_7180B_11144366	Ca_Kabuli_Chr02	NC_021161.1	11144366	GG	TT	TT	INTERGENIC		
SNP_7181B_11144393	Ca_Kabuli_Chr02	NC_021161.1	11144393	AA	CC	CC	INTERGENIC		
SNP_7182B_11223010	Ca_Kabuli_Chr02	NC_021161.1	11223010	TT	AA	AA	INTERGENIC		
SNP_7183B_11240139	Ca_Kabuli_Chr02	NC_021161.1	11240139	GG	TT	TT	INTERGENIC		
SNP_7184B_11240143	Ca_Kabuli_Chr02	NC_021161.1	11240143	GG	AA	AA	INTERGENIC		
SNP_7185B_11312434	Ca_Kabuli_Chr02	NC_021161.1	11312434	AA	TT	TT	INTERGENIC		
SNP_7186B_11327567	Ca_Kabuli_Chr02	NC_021161.1	11327567	CC	AA	AA	INTRON	101500597	protein NRT1/ PTR FAMILY 4.6-like
SNP_7187B_11482428	Ca_Kabuli_Chr02	NC_021161.1	11482428	TT	CC	CC	URR	101507653	protein IQ-DOMAIN 31
SNP_7188B_11507000	Ca_Kabuli_Chr02	NC_021161.1	11507000	CC	TT	TT	INTERGENIC		
SNP_7189B_11648754	Ca_Kabuli_Chr02	NC_021161.1	11648754	AA	GG	GG	INTERGENIC		
SNP_7190B_11653666	Ca_Kabuli_Chr02	NC_021161.1	11653666	TT	AA	AA	INTERGENIC		
SNP_7191B_11670804	Ca_Kabuli_Chr02	NC_021161.1	11670804	GG	AA	AA	INTERGENIC		
SNP_7192B_11670811	Ca_Kabuli_Chr02	NC_021161.1	11670811	AA	TT	TT	INTERGENIC		
SNP_7193B_11671192	Ca_Kabuli_Chr02	NC_021161.1	11671192	CC	TT	TT	INTERGENIC		
SNP_7194B_11690234	Ca_Kabuli_Chr02	NC_021161.1	11690234	CC	GG	GG	DRR	101510537	uncharacterized LOC101510537
SNP_7195B_11726429	Ca_Kabuli_Chr02	NC_021161.1	11726429	GG	AA	AA	INTRON	101492937	uncharacterized LOC101492937
SNP_7196B_11726460	Ca_Kabuli_Chr02	NC_021161.1	11726460	AA	TT	TT	INTRON	101492937	uncharacterized LOC101492937
SNP_7197B_11786744	Ca_Kabuli_Chr02	NC_021161.1	11786744	TT	AA	AA	INTERGENIC		
SNP_7198B_12040168	Ca_Kabuli_Chr02	NC_021161.1	12040168	TT	AA	AA	INTERGENIC		
SNP_7199B_12040465	Ca_Kabuli_Chr02	NC_021161.1	12040465	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7200B_12041119	Ca_Kabuli_Chr02	NC_021161.1	12041119	TT	CC	CC	INTERGENIC		
SNP_7201B_12042054	Ca_Kabuli_Chr02	NC_021161.1	12042054	TT	AA	AA	INTERGENIC		
SNP_7202B_12042070	Ca_Kabuli_Chr02	NC_021161.1	12042070	TT	CC	CC	INTERGENIC		
SNP_7203B_12042071	Ca_Kabuli_Chr02	NC_021161.1	12042071	CC	AA	AA	INTERGENIC		
SNP_7204B_12042279	Ca_Kabuli_Chr02	NC_021161.1	12042279	CC	TT	TT	INTERGENIC		
SNP_7205B_12048433	Ca_Kabuli_Chr02	NC_021161.1	12048433	TT	CC	CC	INTERGENIC		
SNP_7206B_12048443	Ca_Kabuli_Chr02	NC_021161.1	12048443	GG	AA	AA	INTERGENIC		
SNP_7207B_12048453	Ca_Kabuli_Chr02	NC_021161.1	12048453	TT	AA	AA	INTERGENIC		
SNP_7208B_12048467	Ca_Kabuli_Chr02	NC_021161.1	12048467	TT	CC	CC	INTERGENIC		
SNP_7209B_12048571	Ca_Kabuli_Chr02	NC_021161.1	12048571	CC	TT	TT	INTERGENIC		
SNP_7211B_12048735	Ca_Kabuli_Chr02	NC_021161.1	12048735	TT	AA	AA	INTERGENIC		
SNP_7212B_12048736	Ca_Kabuli_Chr02	NC_021161.1	12048736	TT	AA	AA	INTERGENIC		
SNP_7213B_12048759	Ca_Kabuli_Chr02	NC_021161.1	12048759	CC	TT	TT	INTERGENIC		
SNP_7214B_12074805	Ca_Kabuli_Chr02	NC_021161.1	12074805	CC	GG	GG	DRR	101515493	uncharacterized LOC101515493
SNP_7215B_12098957	Ca_Kabuli_Chr02	NC_021161.1	12098957	TT	CC	CC	URR	101494230	Unknown function
SNP_7216B_12128684	Ca_Kabuli_Chr02	NC_021161.1	12128684	AA	TT	TT	INTERGENIC		
SNP_7217B_12220529	Ca_Kabuli_Chr02	NC_021161.1	12220529	AA	GG	GG	INTRON	101509885	glutathione S-transferase U10-like
SNP_7218B_12220537	Ca_Kabuli_Chr02	NC_021161.1	12220537	TT	GG	GG	INTRON	101509885	glutathione S-transferase U10-like
SNP_7219B_12303588	Ca_Kabuli_Chr02	NC_021161.1	12303588	CC	TT	TT	INTERGENIC		
SNP_7220B_12321261	Ca_Kabuli_Chr02	NC_021161.1	12321261	CC	TT	TT	INTRON	101497674	acetolactate synthase small subunit 2, chloroplastic-like
SNP_7221B_12321873	Ca_Kabuli_Chr02	NC_021161.1	12321873	TT	CC	CC	INTRON	101497674	acetolactate synthase small subunit 2, chloroplastic-like
SNP_7222B_12326757	Ca_Kabuli_Chr02	NC_021161.1	12326757	CC	TT	TT	DRR	101510202	sugar transport protein 14-like
SNP_7223B_12326927	Ca_Kabuli_Chr02	NC_021161.1	12326927	AA	GG	GG	DRR	101510202	sugar transport protein 14-like
SNP_7224B_12333114	Ca_Kabuli_Chr02	NC_021161.1	12333114	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7225B_12333162	Ca_Kabuli_Chr02	NC_021161.1	12333162	AA	TT	TT	INTERGENIC		
SNP_7226B_12333163	Ca_Kabuli_Chr02	NC_021161.1	12333163	TT	CC	CC	INTERGENIC		
SNP_7227B_12333427	Ca_Kabuli_Chr02	NC_021161.1	12333427	TT	AA	AA	INTERGENIC		
SNP_7228B_12345042	Ca_Kabuli_Chr02	NC_021161.1	12345042	CC	AA	AA	INTERGENIC		
SNP_7229B_12380198	Ca_Kabuli_Chr02	NC_021161.1	12380198	TT	CC	CC	INTERGENIC		
SNP_7231B_12380263	Ca_Kabuli_Chr02	NC_021161.1	12380263	AA	GG	GG	INTERGENIC		
SNP_7232B_12380293	Ca_Kabuli_Chr02	NC_021161.1	12380293	GG	AA	AA	INTERGENIC		
SNP_7234B_12380303	Ca_Kabuli_Chr02	NC_021161.1	12380303	CC	TT	TT	INTERGENIC		
SNP_7235B_12380323	Ca_Kabuli_Chr02	NC_021161.1	12380323	TT	CC	CC	INTERGENIC		
SNP_7236B_12384683	Ca_Kabuli_Chr02	NC_021161.1	12384683	GG	AA	AA	INTERGENIC		
SNP_7237B_12435317	Ca_Kabuli_Chr02	NC_021161.1	12435317	GG	AA	AA	INTERGENIC		
SNP_7238B_12472187	Ca_Kabuli_Chr02	NC_021161.1	12472187	CC	GG	GG	INTERGENIC		
SNP_7239B_12475594	Ca_Kabuli_Chr02	NC_021161.1	12475594	CC	TT	TT	INTERGENIC		
SNP_7240B_12475600	Ca_Kabuli_Chr02	NC_021161.1	12475600	CC	TT	TT	INTERGENIC		
SNP_7243B_12602433	Ca_Kabuli_Chr02	NC_021161.1	12602433	TT	CC	CC	URR	101504432	uncharacterized LOC101504432
SNP_7245B_12639796	Ca_Kabuli_Chr02	NC_021161.1	12639796	TT	CC	CC	INTERGENIC		
SNP_7246B_12689932	Ca_Kabuli_Chr02	NC_021161.1	12689932	GG	AA	AA	INTERGENIC		
SNP_7247B_12785232	Ca_Kabuli_Chr02	NC_021161.1	12785232	GG	AA	AA	INTERGENIC		
SNP_7248B_12785412	Ca_Kabuli_Chr02	NC_021161.1	12785412	GG	AA	AA	INTERGENIC		
SNP_7249B_12843150	Ca_Kabuli_Chr02	NC_021161.1	12843150	GG	AA	AA	INTRON	101514411	uncharacterized LOC101514411
SNP_7250B_12931829	Ca_Kabuli_Chr02	NC_021161.1	12931829	AA	CC	CC	INTERGENIC		
SNP_7251B_12931949	Ca_Kabuli_Chr02	NC_021161.1	12931949	AA	TT	TT	INTERGENIC		
SNP_7252B_12932069	Ca_Kabuli_Chr02	NC_021161.1	12932069	AA	GG	GG	INTERGENIC		
SNP_7253B_12932254	Ca_Kabuli_Chr02	NC_021161.1	12932254	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7254B_12932440	Ca_Kabuli_Chr02	NC_021161.1	12932440	GG	TT	TT	INTERGENIC		
SNP_7255B_12932512	Ca_Kabuli_Chr02	NC_021161.1	12932512	GG	AA	AA	INTERGENIC		
SNP_7256B_12932557	Ca_Kabuli_Chr02	NC_021161.1	12932557	TT	AA	AA	INTERGENIC		
SNP_7257B_12932646	Ca_Kabuli_Chr02	NC_021161.1	12932646	AA	CC	CC	INTERGENIC		
SNP_7258B_12932706	Ca_Kabuli_Chr02	NC_021161.1	12932706	AA	GG	GG	INTERGENIC		
SNP_7259B_12932725	Ca_Kabuli_Chr02	NC_021161.1	12932725	CC	TT	TT	INTERGENIC		
SNP_7260B_12932783	Ca_Kabuli_Chr02	NC_021161.1	12932783	AA	GG	GG	INTERGENIC		
SNP_7261B_12932795	Ca_Kabuli_Chr02	NC_021161.1	12932795	AA	GG	GG	INTERGENIC		
SNP_7262B_12932856	Ca_Kabuli_Chr02	NC_021161.1	12932856	AA	GG	GG	INTERGENIC		
SNP_7263B_12932903	Ca_Kabuli_Chr02	NC_021161.1	12932903	GG	CC	CC	INTERGENIC		
SNP_7264B_12933069	Ca_Kabuli_Chr02	NC_021161.1	12933069	GG	AA	AA	INTERGENIC		
SNP_7265B_12933101	Ca_Kabuli_Chr02	NC_021161.1	12933101	CC	TT	TT	INTERGENIC		
SNP_7267B_12933135	Ca_Kabuli_Chr02	NC_021161.1	12933135	GG	AA	AA	INTERGENIC		
SNP_7268B_12933149	Ca_Kabuli_Chr02	NC_021161.1	12933149	AA	GG	GG	INTERGENIC		
SNP_7269B_12933198	Ca_Kabuli_Chr02	NC_021161.1	12933198	TT	CC	CC	INTERGENIC		
SNP_7270B_12933215	Ca_Kabuli_Chr02	NC_021161.1	12933215	AA	TT	TT	INTERGENIC		
SNP_7271B_12933258	Ca_Kabuli_Chr02	NC_021161.1	12933258	GG	CC	CC	INTERGENIC		
SNP_7272B_12933374	Ca_Kabuli_Chr02	NC_021161.1	12933374	CC	GG	GG	INTERGENIC		
SNP_7273B_12933548	Ca_Kabuli_Chr02	NC_021161.1	12933548	AA	CC	CC	INTERGENIC		
SNP_7274B_12933568	Ca_Kabuli_Chr02	NC_021161.1	12933568	CC	TT	TT	INTERGENIC		
SNP_7276B_12933627	Ca_Kabuli_Chr02	NC_021161.1	12933627	AA	GG	GG	INTERGENIC		
SNP_7277B_12933654	Ca_Kabuli_Chr02	NC_021161.1	12933654	CC	TT	TT	INTERGENIC		
SNP_7278B_12933665	Ca_Kabuli_Chr02	NC_021161.1	12933665	CC	TT	TT	INTERGENIC		
SNP_7279B_12933751	Ca_Kabuli_Chr02	NC_021161.1	12933751	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7280B_12933915	Ca_Kabuli_Chr02	NC_021161.1	12933915	CC	GG	GG	INTERGENIC		
SNP_7281B_12934183	Ca_Kabuli_Chr02	NC_021161.1	12934183	TT	AA	AA	INTERGENIC		
SNP_7283B_12934365	Ca_Kabuli_Chr02	NC_021161.1	12934365	AA	GG	GG	INTERGENIC		
SNP_7284B_12934382	Ca_Kabuli_Chr02	NC_021161.1	12934382	AA	CC	CC	INTERGENIC		
SNP_7285B_12934497	Ca_Kabuli_Chr02	NC_021161.1	12934497	GG	AA	AA	INTERGENIC		
SNP_7286B_12934516	Ca_Kabuli_Chr02	NC_021161.1	12934516	AA	TT	TT	INTERGENIC		
SNP_7287B_12934572	Ca_Kabuli_Chr02	NC_021161.1	12934572	TT	GG	GG	INTERGENIC		
SNP_7288B_12934749	Ca_Kabuli_Chr02	NC_021161.1	12934749	TT	AA	AA	INTERGENIC		
SNP_7289B_12934776	Ca_Kabuli_Chr02	NC_021161.1	12934776	AA	CC	CC	INTERGENIC		
SNP_7290B_12934794	Ca_Kabuli_Chr02	NC_021161.1	12934794	AA	GG	GG	INTERGENIC		
SNP_7291B_12935442	Ca_Kabuli_Chr02	NC_021161.1	12935442	TT	GG	GG	INTERGENIC		
SNP_7292B_12935449	Ca_Kabuli_Chr02	NC_021161.1	12935449	CC	TT	TT	INTERGENIC		
SNP_7293B_12935582	Ca_Kabuli_Chr02	NC_021161.1	12935582	CC	TT	TT	INTERGENIC		
SNP_7294B_12935639	Ca_Kabuli_Chr02	NC_021161.1	12935639	AA	GG	GG	INTERGENIC		
SNP_7295B_12935645	Ca_Kabuli_Chr02	NC_021161.1	12935645	AA	GG	GG	INTERGENIC		
SNP_7296B_12935805	Ca_Kabuli_Chr02	NC_021161.1	12935805	GG	AA	AA	INTERGENIC		
SNP_7297B_12935824	Ca_Kabuli_Chr02	NC_021161.1	12935824	TT	CC	CC	INTERGENIC		
SNP_7298B_12935932	Ca_Kabuli_Chr02	NC_021161.1	12935932	TT	GG	GG	INTERGENIC		
SNP_7299B_12935948	Ca_Kabuli_Chr02	NC_021161.1	12935948	TT	CC	CC	INTERGENIC		
SNP_7300B_12936060	Ca_Kabuli_Chr02	NC_021161.1	12936060	CC	TT	TT	INTERGENIC		
SNP_7301B_12936096	Ca_Kabuli_Chr02	NC_021161.1	12936096	TT	AA	AA	INTERGENIC		
SNP_7302B_12936177	Ca_Kabuli_Chr02	NC_021161.1	12936177	AA	GG	GG	INTERGENIC		
SNP_7303B_12936246	Ca_Kabuli_Chr02	NC_021161.1	12936246	AA	GG	GG	INTERGENIC		
SNP_7304B_12936360	Ca_Kabuli_Chr02	NC_021161.1	12936360	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7305B_12936559	Ca_Kabuli_Chr02	NC_021161.1	12936559	TT	AA	AA	INTERGENIC		
SNP_7306B_12936662	Ca_Kabuli_Chr02	NC_021161.1	12936662	GG	AA	AA	INTERGENIC		
SNP_7307B_12936741	Ca_Kabuli_Chr02	NC_021161.1	12936741	AA	GG	GG	INTERGENIC		
SNP_7308B_12937028	Ca_Kabuli_Chr02	NC_021161.1	12937028	AA	GG	GG	INTERGENIC		
SNP_7309B_12937051	Ca_Kabuli_Chr02	NC_021161.1	12937051	CC	TT	TT	INTERGENIC		
SNP_7310B_12937059	Ca_Kabuli_Chr02	NC_021161.1	12937059	CC	AA	AA	INTERGENIC		
SNP_7311B_12937070	Ca_Kabuli_Chr02	NC_021161.1	12937070	TT	AA	AA	INTERGENIC		
SNP_7312B_12937071	Ca_Kabuli_Chr02	NC_021161.1	12937071	GG	AA	AA	INTERGENIC		
SNP_7313B_12937177	Ca_Kabuli_Chr02	NC_021161.1	12937177	CC	TT	TT	INTERGENIC		
SNP_7314B_12937180	Ca_Kabuli_Chr02	NC_021161.1	12937180	AA	TT	TT	INTERGENIC		
SNP_7315B_12937185	Ca_Kabuli_Chr02	NC_021161.1	12937185	CC	TT	TT	INTERGENIC		
SNP_7316B_12937265	Ca_Kabuli_Chr02	NC_021161.1	12937265	TT	AA	AA	INTERGENIC		
SNP_7317B_12937368	Ca_Kabuli_Chr02	NC_021161.1	12937368	AA	GG	GG	INTERGENIC		
SNP_7318B_12937377	Ca_Kabuli_Chr02	NC_021161.1	12937377	TT	CC	CC	INTERGENIC		
SNP_7319B_12937379	Ca_Kabuli_Chr02	NC_021161.1	12937379	AA	TT	TT	INTERGENIC		
SNP_7320B_12937426	Ca_Kabuli_Chr02	NC_021161.1	12937426	CC	AA	AA	INTERGENIC		
SNP_7321B_12937445	Ca_Kabuli_Chr02	NC_021161.1	12937445	CC	AA	AA	INTERGENIC		
SNP_7322B_12937451	Ca_Kabuli_Chr02	NC_021161.1	12937451	CC	AA	AA	INTERGENIC		
SNP_7323B_12937472	Ca_Kabuli_Chr02	NC_021161.1	12937472	CC	TT	TT	INTERGENIC		
SNP_7324B_12937522	Ca_Kabuli_Chr02	NC_021161.1	12937522	TT	AA	AA	INTERGENIC		
SNP_7325B_12937572	Ca_Kabuli_Chr02	NC_021161.1	12937572	AA	CC	CC	INTERGENIC		
SNP_7327B_12937663	Ca_Kabuli_Chr02	NC_021161.1	12937663	AA	CC	CC	INTERGENIC		
SNP_7328B_12937683	Ca_Kabuli_Chr02	NC_021161.1	12937683	CC	TT	TT	INTERGENIC		
SNP_7329B_12937684	Ca_Kabuli_Chr02	NC_021161.1	12937684	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7330B_12937693	Ca_Kabuli_Chr02	NC_021161.1	12937693	CC	TT	TT	INTERGENIC		
SNP_7331B_12937825	Ca_Kabuli_Chr02	NC_021161.1	12937825	AA	TT	TT	INTERGENIC		
SNP_7332B_12937896	Ca_Kabuli_Chr02	NC_021161.1	12937896	AA	GG	GG	INTERGENIC		
SNP_7333B_12937966	Ca_Kabuli_Chr02	NC_021161.1	12937966	TT	AA	AA	INTERGENIC		
SNP_7334B_12939274	Ca_Kabuli_Chr02	NC_021161.1	12939274	GG	CC	CC	INTERGENIC		
SNP_7335B_12939296	Ca_Kabuli_Chr02	NC_021161.1	12939296	CC	GG	GG	INTERGENIC		
SNP_7336B_12939560	Ca_Kabuli_Chr02	NC_021161.1	12939560	TT	CC	CC	INTERGENIC		
SNP_7338B_12939751	Ca_Kabuli_Chr02	NC_021161.1	12939751	AA	TT	TT	INTERGENIC		
SNP_7339B_12940026	Ca_Kabuli_Chr02	NC_021161.1	12940026	GG	AA	AA	INTERGENIC		
SNP_7340B_12940554	Ca_Kabuli_Chr02	NC_021161.1	12940554	GG	CC	CC	INTERGENIC		
SNP_7341B_12940590	Ca_Kabuli_Chr02	NC_021161.1	12940590	AA	GG	GG	INTERGENIC		
SNP_7342B_12940634	Ca_Kabuli_Chr02	NC_021161.1	12940634	TT	AA	AA	INTERGENIC		
SNP_7343B_12940667	Ca_Kabuli_Chr02	NC_021161.1	12940667	TT	CC	CC	INTERGENIC		
SNP_7344B_12940985	Ca_Kabuli_Chr02	NC_021161.1	12940985	TT	CC	CC	INTERGENIC		
SNP_7345B_12941032	Ca_Kabuli_Chr02	NC_021161.1	12941032	GG	AA	AA	INTERGENIC		
SNP_7346B_12941052	Ca_Kabuli_Chr02	NC_021161.1	12941052	AA	GG	GG	INTERGENIC		
SNP_7347B_12941162	Ca_Kabuli_Chr02	NC_021161.1	12941162	AA	GG	GG	INTERGENIC		
SNP_7349B_12941376	Ca_Kabuli_Chr02	NC_021161.1	12941376	AA	CC	CC	INTERGENIC		
SNP_7350B_12941452	Ca_Kabuli_Chr02	NC_021161.1	12941452	AA	TT	TT	INTERGENIC		
SNP_7351B_12941511	Ca_Kabuli_Chr02	NC_021161.1	12941511	GG	AA	AA	INTERGENIC		
SNP_7352B_12941535	Ca_Kabuli_Chr02	NC_021161.1	12941535	AA	GG	GG	INTERGENIC		
SNP_7353B_12941537	Ca_Kabuli_Chr02	NC_021161.1	12941537	GG	CC	CC	INTERGENIC		
SNP_7354B_12941742	Ca_Kabuli_Chr02	NC_021161.1	12941742	CC	AA	AA	INTERGENIC		
SNP_7356B_12941838	Ca_Kabuli_Chr02	NC_021161.1	12941838	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7357B_12941843	Ca_Kabuli_Chr02	NC_021161.1	12941843	TT	CC	CC	INTERGENIC		
SNP_7358B_12941877	Ca_Kabuli_Chr02	NC_021161.1	12941877	AA	CC	CC	INTERGENIC		
SNP_7359B_12941902	Ca_Kabuli_Chr02	NC_021161.1	12941902	GG	AA	AA	INTERGENIC		
SNP_7360B_12942158	Ca_Kabuli_Chr02	NC_021161.1	12942158	AA	GG	GG	INTERGENIC		
SNP_7361B_12942218	Ca_Kabuli_Chr02	NC_021161.1	12942218	TT	GG	GG	INTERGENIC		
SNP_7362B_12942223	Ca_Kabuli_Chr02	NC_021161.1	12942223	GG	AA	AA	INTERGENIC		
SNP_7363B_12942260	Ca_Kabuli_Chr02	NC_021161.1	12942260	AA	CC	CC	INTERGENIC		
SNP_7365B_12948047	Ca_Kabuli_Chr02	NC_021161.1	12948047	CC	TT	TT	INTERGENIC		
SNP_7366B_12948167	Ca_Kabuli_Chr02	NC_021161.1	12948167	AA	GG	GG	INTERGENIC		
SNP_7367B_12948606	Ca_Kabuli_Chr02	NC_021161.1	12948606	CC	TT	TT	INTERGENIC		
SNP_7368B_12948609	Ca_Kabuli_Chr02	NC_021161.1	12948609	CC	TT	TT	INTERGENIC		
SNP_7369B_12949123	Ca_Kabuli_Chr02	NC_021161.1	12949123	AA	TT	TT	INTERGENIC		
SNP_7370B_12949132	Ca_Kabuli_Chr02	NC_021161.1	12949132	GG	AA	AA	INTERGENIC		
SNP_7371B_12949188	Ca_Kabuli_Chr02	NC_021161.1	12949188	GG	AA	AA	INTERGENIC		
SNP_7372B_12949192	Ca_Kabuli_Chr02	NC_021161.1	12949192	GG	TT	TT	INTERGENIC		
SNP_7373B_12949628	Ca_Kabuli_Chr02	NC_021161.1	12949628	CC	TT	TT	INTERGENIC		
SNP_7374B_12949637	Ca_Kabuli_Chr02	NC_021161.1	12949637	CC	TT	TT	INTERGENIC		
SNP_7375B_12949881	Ca_Kabuli_Chr02	NC_021161.1	12949881	GG	AA	AA	INTERGENIC		
SNP_7376B_12950095	Ca_Kabuli_Chr02	NC_021161.1	12950095	CC	TT	TT	INTERGENIC		
SNP_7377B_12950303	Ca_Kabuli_Chr02	NC_021161.1	12950303	AA	CC	CC	INTERGENIC		
SNP_7378B_12950357	Ca_Kabuli_Chr02	NC_021161.1	12950357	TT	AA	AA	INTERGENIC		
SNP_7379B_12950375	Ca_Kabuli_Chr02	NC_021161.1	12950375	AA	CC	CC	INTERGENIC		
SNP_7380B_12951621	Ca_Kabuli_Chr02	NC_021161.1	12951621	CC	AA	AA	INTERGENIC		
SNP_7381B_12951649	Ca_Kabuli_Chr02	NC_021161.1	12951649	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7382B_12951684	Ca_Kabuli_Chr02	NC_021161.1	12951684	GG	AA	AA	INTERGENIC		
SNP_7383B_12951701	Ca_Kabuli_Chr02	NC_021161.1	12951701	GG	AA	AA	INTERGENIC		
SNP_7384B_12951955	Ca_Kabuli_Chr02	NC_021161.1	12951955	GG	AA	AA	INTERGENIC		
SNP_7385B_12952122	Ca_Kabuli_Chr02	NC_021161.1	12952122	TT	AA	AA	INTERGENIC		
SNP_7386B_12952300	Ca_Kabuli_Chr02	NC_021161.1	12952300	TT	GG	GG	INTERGENIC		
SNP_7387B_12952375	Ca_Kabuli_Chr02	NC_021161.1	12952375	TT	CC	CC	INTERGENIC		
SNP_7388B_12952438	Ca_Kabuli_Chr02	NC_021161.1	12952438	GG	AA	AA	INTERGENIC		
SNP_7390B_12952924	Ca_Kabuli_Chr02	NC_021161.1	12952924	GG	AA	AA	INTERGENIC		
SNP_7392B_12953578	Ca_Kabuli_Chr02	NC_021161.1	12953578	AA	GG	GG	INTERGENIC		
SNP_7393B_12959961	Ca_Kabuli_Chr02	NC_021161.1	12959961	AA	GG	GG	INTERGENIC		
SNP_7394B_12959975	Ca_Kabuli_Chr02	NC_021161.1	12959975	CC	AA	AA	INTERGENIC		
SNP_7395B_12960138	Ca_Kabuli_Chr02	NC_021161.1	12960138	AA	GG	GG	INTERGENIC		
SNP_7397B_12960309	Ca_Kabuli_Chr02	NC_021161.1	12960309	TT	AA	AA	INTERGENIC		
SNP_7398B_12960530	Ca_Kabuli_Chr02	NC_021161.1	12960530	CC	GG	GG	INTERGENIC		
SNP_7399B_12960568	Ca_Kabuli_Chr02	NC_021161.1	12960568	AA	GG	GG	INTERGENIC		
SNP_7400B_12987750	Ca_Kabuli_Chr02	NC_021161.1	12987750	AA	GG	GG	INTERGENIC		
SNP_7401B_12994069	Ca_Kabuli_Chr02	NC_021161.1	12994069	CC	AA	AA	INTERGENIC		
SNP_7402B_12994214	Ca_Kabuli_Chr02	NC_021161.1	12994214	GG	AA	AA	INTERGENIC		
SNP_7403B_12994250	Ca_Kabuli_Chr02	NC_021161.1	12994250	AA	TT	TT	INTERGENIC		
SNP_7404B_12994277	Ca_Kabuli_Chr02	NC_021161.1	12994277	AA	GG	GG	INTERGENIC		
SNP_7405B_13026451	Ca_Kabuli_Chr02	NC_021161.1	13026451	TT	CC	CC	INTERGENIC		
SNP_7407B_13026512	Ca_Kabuli_Chr02	NC_021161.1	13026512	CC	TT	TT	INTERGENIC		
SNP_7408B_13026514	Ca_Kabuli_Chr02	NC_021161.1	13026514	AA	GG	GG	INTERGENIC		
SNP_7409B_13026537	Ca_Kabuli_Chr02	NC_021161.1	13026537	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7410B_13027643	Ca_Kabuli_Chr02	NC_021161.1	13027643	GG	AA	AA	INTERGENIC		
SNP_7411B_13120547	Ca_Kabuli_Chr02	NC_021161.1	13120547	GG	CC	CC	INTERGENIC		
SNP_7412B_13234554	Ca_Kabuli_Chr02	NC_021161.1	13234554	AA	GG	GG	INTERGENIC		
SNP_7413B_13234555	Ca_Kabuli_Chr02	NC_021161.1	13234555	TT	GG	GG	INTERGENIC		
SNP_7414B_13270501	Ca_Kabuli_Chr02	NC_021161.1	13270501	GG	AA	AA	INTERGENIC		
SNP_7415B_13270533	Ca_Kabuli_Chr02	NC_021161.1	13270533	GG	CC	CC	INTERGENIC		
SNP_7416B_13297834	Ca_Kabuli_Chr02	NC_021161.1	13297834	TT	CC	CC	INTERGENIC		
SNP_7417B_13347443	Ca_Kabuli_Chr02	NC_021161.1	13347443	GG	AA	AA	INTERGENIC		
SNP_7418B_13365478	Ca_Kabuli_Chr02	NC_021161.1	13365478	TT	CC	CC	URR	101508292	serine/threonine-protein phosphatase 7 long form homolog
SNP_7419B_13365487	Ca_Kabuli_Chr02	NC_021161.1	13365487	TT	GG	GG	URR	101508292	serine/threonine-protein phosphatase 7 long form homolog
SNP_7420B_13365650	Ca_Kabuli_Chr02	NC_021161.1	13365650	AA	TT	TT	URR	101508292	serine/threonine-protein phosphatase 7 long form homolog
SNP_7421B_13365688	Ca_Kabuli_Chr02	NC_021161.1	13365688	TT	AA	AA	URR	101508292	serine/threonine-protein phosphatase 7 long form homolog
SNP_7422B_13365704	Ca_Kabuli_Chr02	NC_021161.1	13365704	AA	CC	CC	URR	101508292	serine/threonine-protein phosphatase 7 long form homolog
SNP_7423B_13365722	Ca_Kabuli_Chr02	NC_021161.1	13365722	AA	CC	CC	URR	101508292	serine/threonine-protein phosphatase 7 long form homolog
SNP_7424B_13365950	Ca_Kabuli_Chr02	NC_021161.1	13365950	AA	GG	GG	URR	101508292	serine/threonine-protein phosphatase 7 long form homolog
SNP_7425B_13400798	Ca_Kabuli_Chr02	NC_021161.1	13400798	TT	GG	GG	INTRON	101508610	mitotic checkpoint protein BUB3.3-like
SNP_7426B_13584155	Ca_Kabuli_Chr02	NC_021161.1	13584155	GG	AA	AA	INTERGENIC		
SNP_7427B_13584547	Ca_Kabuli_Chr02	NC_021161.1	13584547	TT	AA	AA	INTERGENIC		
SNP_7429B_13694933	Ca_Kabuli_Chr02	NC_021161.1	13694933	TT	GG	GG	INTERGENIC		
SNP_7430B_13695383	Ca_Kabuli_Chr02	NC_021161.1	13695383	AA	GG	GG	INTERGENIC		
SNP_7431B_13695415	Ca_Kabuli_Chr02	NC_021161.1	13695415	TT	GG	GG	INTERGENIC		
SNP_7432B_13695430	Ca_Kabuli_Chr02	NC_021161.1	13695430	TT	GG	GG	INTERGENIC		
SNP_7434B_13807594	Ca_Kabuli_Chr02	NC_021161.1	13807594	GG	AA	AA	INTERGENIC		
SNP_7435B_13807814	Ca_Kabuli_Chr02	NC_021161.1	13807814	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7436B_13808127	Ca_Kabuli_Chr02	NC_021161.1	13808127	CC	AA	AA	INTERGENIC		
SNP_7437B_13880251	Ca_Kabuli_Chr02	NC_021161.1	13880251	GG	TT	TT	INTERGENIC		
SNP_7438B_13909164	Ca_Kabuli_Chr02	NC_021161.1	13909164	TT	CC	CC	INTERGENIC		
SNP_7439B_13909449	Ca_Kabuli_Chr02	NC_021161.1	13909449	AA	TT	TT	INTERGENIC		
SNP_7440B_13909466	Ca_Kabuli_Chr02	NC_021161.1	13909466	TT	CC	CC	INTERGENIC		
SNP_7441B_13909471	Ca_Kabuli_Chr02	NC_021161.1	13909471	CC	GG	GG	INTERGENIC		
SNP_7442B_13923419	Ca_Kabuli_Chr02	NC_021161.1	13923419	GG	CC	CC	SYNONYMOUS_CODING	101512138	Unknown function
SNP_7443B_13923648	Ca_Kabuli_Chr02	NC_021161.1	13923648	GG	CC	CC	INTRON	101512138	Unknown function
SNP_7444B_13955242	Ca_Kabuli_Chr02	NC_021161.1	13955242	TT	AA	AA	INTERGENIC		
SNP_7445B_13956332	Ca_Kabuli_Chr02	NC_021161.1	13956332	TT	CC	CC	INTERGENIC		
SNP_7446B_13956364	Ca_Kabuli_Chr02	NC_021161.1	13956364	AA	CC	CC	INTERGENIC		
SNP_7447B_13957910	Ca_Kabuli_Chr02	NC_021161.1	13957910	CC	AA	AA	INTERGENIC		
SNP_7448B_13957982	Ca_Kabuli_Chr02	NC_021161.1	13957982	AA	CC	CC	INTERGENIC		
SNP_7449B_13989506	Ca_Kabuli_Chr02	NC_021161.1	13989506	GG	AA	AA	INTERGENIC		
SNP_7450B_14025834	Ca_Kabuli_Chr02	NC_021161.1	14025834	TT	AA	AA	INTERGENIC		
SNP_7452B_14044779	Ca_Kabuli_Chr02	NC_021161.1	14044779	TT	CC	CC	INTERGENIC		
SNP_7453B_14044837	Ca_Kabuli_Chr02	NC_021161.1	14044837	CC	TT	TT	INTERGENIC		
SNP_7454B_14086046	Ca_Kabuli_Chr02	NC_021161.1	14086046	GG	AA	AA	INTERGENIC		
SNP_7455B_14086162	Ca_Kabuli_Chr02	NC_021161.1	14086162	TT	CC	CC	INTERGENIC		
SNP_7456B_14086178	Ca_Kabuli_Chr02	NC_021161.1	14086178	TT	CC	CC	INTERGENIC		
SNP_7457B_14086380	Ca_Kabuli_Chr02	NC_021161.1	14086380	TT	CC	CC	INTERGENIC		
SNP_7458B_14086408	Ca_Kabuli_Chr02	NC_021161.1	14086408	AA	GG	GG	INTERGENIC		
SNP_7459B_14150159	Ca_Kabuli_Chr02	NC_021161.1	14150159	CC	TT	TT	INTERGENIC		
SNP_7460B_14150162	Ca_Kabuli_Chr02	NC_021161.1	14150162	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7462B_14196053	Ca_Kabuli_Chr02	NC_021161.1	14196053	TT	GG	GG	INTERGENIC		
SNP_7463B_15200367	Ca_Kabuli_Chr02	NC_021161.1	15200367	AA	CC	CC	INTERGENIC		
SNP_7464B_15252815	Ca_Kabuli_Chr02	NC_021161.1	15252815	CC	AA	AA	INTERGENIC		
SNP_7466B_15363231	Ca_Kabuli_Chr02	NC_021161.1	15363231	AA	GG	GG	URR	101500166	uncharacterized protein At4g04775-like
SNP_7467B_15363526	Ca_Kabuli_Chr02	NC_021161.1	15363526	AA	GG	GG	URR	101500166	uncharacterized protein At4g04775-like
SNP_7468B_15401206	Ca_Kabuli_Chr02	NC_021161.1	15401206	AA	CC	CC	INTERGENIC		
SNP_7469B_15453885	Ca_Kabuli_Chr02	NC_021161.1	15453885	GG	TT	TT	INTERGENIC		
SNP_7470B_15454027	Ca_Kabuli_Chr02	NC_021161.1	15454027	AA	GG	GG	INTERGENIC		
SNP_7471B_15454074	Ca_Kabuli_Chr02	NC_021161.1	15454074	GG	CC	CC	INTERGENIC		
SNP_7472B_15454160	Ca_Kabuli_Chr02	NC_021161.1	15454160	TT	GG	GG	INTERGENIC		
SNP_7473B_15454328	Ca_Kabuli_Chr02	NC_021161.1	15454328	TT	AA	AA	INTERGENIC		
SNP_7474B_15454350	Ca_Kabuli_Chr02	NC_021161.1	15454350	TT	CC	CC	INTERGENIC		
SNP_7475B_15550249	Ca_Kabuli_Chr02	NC_021161.1	15550249	GG	AA	AA	INTERGENIC		
SNP_7476B_15569768	Ca_Kabuli_Chr02	NC_021161.1	15569768	AA	CC	CC	INTERGENIC		
SNP_7478B_15589189	Ca_Kabuli_Chr02	NC_021161.1	15589189	CC	TT	TT	INTERGENIC		
SNP_7479B_15589436	Ca_Kabuli_Chr02	NC_021161.1	15589436	GG	CC	CC	INTERGENIC		
SNP_7480B_15595260	Ca_Kabuli_Chr02	NC_021161.1	15595260	AA	GG	GG	INTERGENIC		
SNP_7481B_15596867	Ca_Kabuli_Chr02	NC_021161.1	15596867	TT	CC	CC	INTERGENIC		
SNP_7482B_15598338	Ca_Kabuli_Chr02	NC_021161.1	15598338	TT	CC	CC	INTERGENIC		
SNP_7484B_15598998	Ca_Kabuli_Chr02	NC_021161.1	15598998	GG	TT	TT	INTERGENIC		
SNP_7485B_15615948	Ca_Kabuli_Chr02	NC_021161.1	15615948	GG	AA	AA	INTERGENIC		
SNP_7486B_15735568	Ca_Kabuli_Chr02	NC_021161.1	15735568	TT	CC	CC	INTERGENIC		
SNP_7487B_15737281	Ca_Kabuli_Chr02	NC_021161.1	15737281	GG	AA	AA	INTERGENIC		
SNP_7488B_15737283	Ca_Kabuli_Chr02	NC_021161.1	15737283	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7489B_15737706	Ca_Kabuli_Chr02	NC_021161.1	15737706	CC	TT	TT	INTERGENIC		
SNP_7490B_15737710	Ca_Kabuli_Chr02	NC_021161.1	15737710	GG	AA	AA	INTERGENIC		
SNP_7491B_15737719	Ca_Kabuli_Chr02	NC_021161.1	15737719	TT	CC	CC	INTERGENIC		
SNP_7492B_15737734	Ca_Kabuli_Chr02	NC_021161.1	15737734	TT	CC	CC	INTERGENIC		
SNP_7493B_15804889	Ca_Kabuli_Chr02	NC_021161.1	15804889	AA	GG	GG	INTERGENIC		
SNP_7495B_15889749	Ca_Kabuli_Chr02	NC_021161.1	15889749	CC	GG	GG	INTERGENIC		
SNP_7496B_15902864	Ca_Kabuli_Chr02	NC_021161.1	15902864	GG	CC	CC	INTERGENIC		
SNP_7497B_15917479	Ca_Kabuli_Chr02	NC_021161.1	15917479	CC	AA	AA	INTERGENIC		
SNP_7499B_15965181	Ca_Kabuli_Chr02	NC_021161.1	15965181	AA	GG	GG	DRR	101505936	uncharacterized LOC101505936
SNP_7500B_16082137	Ca_Kabuli_Chr02	NC_021161.1	16082137	GG	CC	CC	INTERGENIC		
SNP_7501B_16171087	Ca_Kabuli_Chr02	NC_021161.1	16171087	CC	TT	TT	INTERGENIC		
SNP_7502B_16171088	Ca_Kabuli_Chr02	NC_021161.1	16171088	CC	GG	GG	INTERGENIC		
SNP_7503B_16171156	Ca_Kabuli_Chr02	NC_021161.1	16171156	CC	TT	TT	INTERGENIC		
SNP_7504B_16220849	Ca_Kabuli_Chr02	NC_021161.1	16220849	CC	TT	TT	INTERGENIC		
SNP_7505B_16252132	Ca_Kabuli_Chr02	NC_021161.1	16252132	AA	GG	GG	INTERGENIC		
SNP_7506B_16252501	Ca_Kabuli_Chr02	NC_021161.1	16252501	TT	CC	CC	INTERGENIC		
SNP_7507B_16252603	Ca_Kabuli_Chr02	NC_021161.1	16252603	TT	CC	CC	INTERGENIC		
SNP_7508B_16341342	Ca_Kabuli_Chr02	NC_021161.1	16341342	GG	CC	CC	INTERGENIC		
SNP_7509B_16341343	Ca_Kabuli_Chr02	NC_021161.1	16341343	AA	CC	CC	INTERGENIC		
SNP_7510B_16341392	Ca_Kabuli_Chr02	NC_021161.1	16341392	TT	GG	GG	INTERGENIC		
SNP_7511B_16341460	Ca_Kabuli_Chr02	NC_021161.1	16341460	GG	AA	AA	INTERGENIC		
SNP_7512B_16365662	Ca_Kabuli_Chr02	NC_021161.1	16365662	TT	CC	CC	INTRON	101510111	clavaminate synthase-like protein At3g21360
SNP_7513B_16368219	Ca_Kabuli_Chr02	NC_021161.1	16368219	CC	AA	AA	URR	101510111	clavaminate synthase-like protein At3g21360
SNP_7514B_16416345	Ca_Kabuli_Chr02	NC_021161.1	16416345	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7515B_16433264	Ca_Kabuli_Chr02	NC_021161.1	16433264	TT	CC	CC	INTERGENIC		
SNP_7516B_16456492	Ca_Kabuli_Chr02	NC_021161.1	16456492	GG	AA	AA	INTERGENIC		
SNP_7517B_16456500	Ca_Kabuli_Chr02	NC_021161.1	16456500	AA	GG	GG	INTERGENIC		
SNP_7518B_16456508	Ca_Kabuli_Chr02	NC_021161.1	16456508	AA	CC	CC	INTERGENIC		
SNP_7519B_16456524	Ca_Kabuli_Chr02	NC_021161.1	16456524	CC	AA	AA	INTERGENIC		
SNP_7521B_16456591	Ca_Kabuli_Chr02	NC_021161.1	16456591	CC	TT	TT	INTERGENIC		
SNP_7522B_16456731	Ca_Kabuli_Chr02	NC_021161.1	16456731	TT	CC	CC	INTERGENIC		
SNP_7523B_16458241	Ca_Kabuli_Chr02	NC_021161.1	16458241	CC	TT	TT	INTERGENIC		
SNP_7524B_16465565	Ca_Kabuli_Chr02	NC_021161.1	16465565	GG	TT	TT	INTERGENIC		
SNP_7526B_16507755	Ca_Kabuli_Chr02	NC_021161.1	16507755	AA	TT	TT	INTERGENIC		
SNP_7527B_16508483	Ca_Kabuli_Chr02	NC_021161.1	16508483	TT	CC	CC	INTERGENIC		
SNP_7528B_16508764	Ca_Kabuli_Chr02	NC_021161.1	16508764	CC	TT	TT	INTERGENIC		
SNP_7529B_16509102	Ca_Kabuli_Chr02	NC_021161.1	16509102	TT	CC	CC	INTERGENIC		
SNP_7530B_16509316	Ca_Kabuli_Chr02	NC_021161.1	16509316	TT	CC	CC	INTERGENIC		
SNP_7531B_16509586	Ca_Kabuli_Chr02	NC_021161.1	16509586	CC	TT	TT	INTERGENIC		
SNP_7532B_16510339	Ca_Kabuli_Chr02	NC_021161.1	16510339	GG	AA	AA	INTERGENIC		
SNP_7533B_16510350	Ca_Kabuli_Chr02	NC_021161.1	16510350	AA	GG	GG	INTERGENIC		
SNP_7534B_16511747	Ca_Kabuli_Chr02	NC_021161.1	16511747	GG	AA	AA	INTERGENIC		
SNP_7535B_16513075	Ca_Kabuli_Chr02	NC_021161.1	16513075	TT	GG	GG	INTERGENIC		
SNP_7536B_16514414	Ca_Kabuli_Chr02	NC_021161.1	16514414	GG	AA	AA	INTERGENIC		
SNP_7537B_16514419	Ca_Kabuli_Chr02	NC_021161.1	16514419	TT	AA	AA	INTERGENIC		
SNP_7538B_16514432	Ca_Kabuli_Chr02	NC_021161.1	16514432	AA	GG	GG	INTERGENIC		
SNP_7540B_16565488	Ca_Kabuli_Chr02	NC_021161.1	16565488	TT	CC	CC	URR	101511284	uncharacterized LOC101511284
SNP_7541B_16604893	Ca_Kabuli_Chr02	NC_021161.1	16604893	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7542B_16864702	Ca_Kabuli_Chr02	NC_021161.1	16864702	AA	GG	GG	INTERGENIC		
SNP_7543B_16864729	Ca_Kabuli_Chr02	NC_021161.1	16864729	TT	CC	CC	INTERGENIC		
SNP_7544B_16864811	Ca_Kabuli_Chr02	NC_021161.1	16864811	GG	AA	AA	INTERGENIC		
SNP_7545B_16905687	Ca_Kabuli_Chr02	NC_021161.1	16905687	TT	CC	CC	INTERGENIC		
SNP_7546B_16905744	Ca_Kabuli_Chr02	NC_021161.1	16905744	GG	AA	AA	INTERGENIC		
SNP_7547B_16984549	Ca_Kabuli_Chr02	NC_021161.1	16984549	GG	AA	AA	INTERGENIC		
SNP_7548B_16991361	Ca_Kabuli_Chr02	NC_021161.1	16991361	CC	AA	AA	INTERGENIC		
SNP_7549B_16991365	Ca_Kabuli_Chr02	NC_021161.1	16991365	CC	TT	TT	INTERGENIC		
SNP_7550B_16991367	Ca_Kabuli_Chr02	NC_021161.1	16991367	CC	GG	GG	INTERGENIC		
SNP_7551B_16991372	Ca_Kabuli_Chr02	NC_021161.1	16991372	CC	TT	TT	INTERGENIC		
SNP_7552B_16991409	Ca_Kabuli_Chr02	NC_021161.1	16991409	GG	AA	AA	INTERGENIC		
SNP_7553B_17030318	Ca_Kabuli_Chr02	NC_021161.1	17030318	CC	AA	AA	INTERGENIC		
SNP_7554B_17030590	Ca_Kabuli_Chr02	NC_021161.1	17030590	CC	AA	AA	INTERGENIC		
SNP_7555B_17039027	Ca_Kabuli_Chr02	NC_021161.1	17039027	GG	TT	TT	NON_SYNONYMOUS_CODING	101493793	uncharacterized LOC101493793
SNP_7556B_17050371	Ca_Kabuli_Chr02	NC_021161.1	17050371	TT	GG	GG	INTERGENIC		
SNP_7558B_17062079	Ca_Kabuli_Chr02	NC_021161.1	17062079	AA	GG	GG	INTERGENIC		
SNP_7559B_17161727	Ca_Kabuli_Chr02	NC_021161.1	17161727	TT	CC	CC	NON_SYNONYMOUS_CODING	101494422	phosphoenolpyruvate carboxylase 4-like
SNP_7560B_17161737	Ca_Kabuli_Chr02	NC_021161.1	17161737	GG	AA	AA	STOP_GAINED	101494422	phosphoenolpyruvate carboxylase 4-like
SNP_7561B_17203869	Ca_Kabuli_Chr02	NC_021161.1	17203869	GG	AA	AA	NON_SYNONYMOUS_CODING	101512465	metal-nicotianamine transporter YSL3-like
SNP_7562B_17208801	Ca_Kabuli_Chr02	NC_021161.1	17208801	AA	GG	GG	INTERGENIC		
SNP_7563B_17208805	Ca_Kabuli_Chr02	NC_021161.1	17208805	GG	AA	AA	INTERGENIC		
SNP_7564B_17208814	Ca_Kabuli_Chr02	NC_021161.1	17208814	AA	CC	CC	INTERGENIC		
SNP_7565B_17208826	Ca_Kabuli_Chr02	NC_021161.1	17208826	GG	AA	AA	INTERGENIC		
SNP_7566B_17208829	Ca_Kabuli_Chr02	NC_021161.1	17208829	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7567B_17208837	Ca_Kabuli_Chr02	NC_021161.1	17208837	TT	GG	GG	INTERGENIC		
SNP_7568B_17208851	Ca_Kabuli_Chr02	NC_021161.1	17208851	CC	TT	TT	INTERGENIC		
SNP_7569B_17208855	Ca_Kabuli_Chr02	NC_021161.1	17208855	AA	GG	GG	INTERGENIC		
SNP_7570B_17209014	Ca_Kabuli_Chr02	NC_021161.1	17209014	TT	CC	CC	INTERGENIC		
SNP_7571B_17209030	Ca_Kabuli_Chr02	NC_021161.1	17209030	TT	CC	CC	INTERGENIC		
SNP_7572B_17209152	Ca_Kabuli_Chr02	NC_021161.1	17209152	TT	CC	CC	INTERGENIC		
SNP_7573B_17209200	Ca_Kabuli_Chr02	NC_021161.1	17209200	TT	CC	CC	INTERGENIC		
SNP_7574B_17209236	Ca_Kabuli_Chr02	NC_021161.1	17209236	TT	CC	CC	INTERGENIC		
SNP_7575B_17209271	Ca_Kabuli_Chr02	NC_021161.1	17209271	TT	AA	AA	INTERGENIC		
SNP_7576B_17209272	Ca_Kabuli_Chr02	NC_021161.1	17209272	AA	CC	CC	INTERGENIC		
SNP_7577B_17209316	Ca_Kabuli_Chr02	NC_021161.1	17209316	GG	AA	AA	INTERGENIC		
SNP_7578B_17209350	Ca_Kabuli_Chr02	NC_021161.1	17209350	CC	TT	TT	INTERGENIC		
SNP_7579B_17238401	Ca_Kabuli_Chr02	NC_021161.1	17238401	TT	AA	AA	DRR	101496043	HD domain-containing protein C4G3.17
SNP_7580B_17257270	Ca_Kabuli_Chr02	NC_021161.1	17257270	TT	GG	GG	INTERGENIC		
SNP_7581B_17257421	Ca_Kabuli_Chr02	NC_021161.1	17257421	GG	AA	AA	INTERGENIC		
SNP_7582B_17257469	Ca_Kabuli_Chr02	NC_021161.1	17257469	AA	GG	GG	INTERGENIC		
SNP_7583B_17257480	Ca_Kabuli_Chr02	NC_021161.1	17257480	AA	GG	GG	INTERGENIC		
SNP_7584B_17257544	Ca_Kabuli_Chr02	NC_021161.1	17257544	AA	GG	GG	INTERGENIC		
SNP_7585B_17301938	Ca_Kabuli_Chr02	NC_021161.1	17301938	GG	AA	AA	INTERGENIC		
SNP_7586B_17402394	Ca_Kabuli_Chr02	NC_021161.1	17402394	AA	GG	GG	NON_SYNONYMOUS_CODING	101513439	Unknown function
SNP_7587B_17406919	Ca_Kabuli_Chr02	NC_021161.1	17406919	AA	GG	GG	INTERGENIC		
SNP_7588B_17407191	Ca_Kabuli_Chr02	NC_021161.1	17407191	TT	CC	CC	INTERGENIC		
SNP_7589B_17407192	Ca_Kabuli_Chr02	NC_021161.1	17407192	TT	AA	AA	INTERGENIC		
SNP_7590B_17407228	Ca_Kabuli_Chr02	NC_021161.1	17407228	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7591B_17407243	Ca_Kabuli_Chr02	NC_021161.1	17407243	TT	CC	CC	INTERGENIC		
SNP_7592B_17412122	Ca_Kabuli_Chr02	NC_021161.1	17412122	CC	TT	TT	INTERGENIC		
SNP_7593B_17435982	Ca_Kabuli_Chr02	NC_021161.1	17435982	CC	TT	TT	INTRON	101497018	importin-9
SNP_7594B_17487287	Ca_Kabuli_Chr02	NC_021161.1	17487287	TT	CC	CC	INTERGENIC		
SNP_7595B_17490061	Ca_Kabuli_Chr02	NC_021161.1	17490061	TT	GG	GG	INTERGENIC		
SNP_7596B_17490078	Ca_Kabuli_Chr02	NC_021161.1	17490078	AA	GG	GG	INTERGENIC		
SNP_7597B_17491195	Ca_Kabuli_Chr02	NC_021161.1	17491195	AA	CC	CC	INTERGENIC		
SNP_7598B_17551577	Ca_Kabuli_Chr02	NC_021161.1	17551577	AA	CC	CC	DRR	101514415	cytosolic sulfotransferase 14-like
SNP_7599B_17551656	Ca_Kabuli_Chr02	NC_021161.1	17551656	AA	GG	GG	DRR	101514415	cytosolic sulfotransferase 14-like
SNP_7601B_17551859	Ca_Kabuli_Chr02	NC_021161.1	17551859	AA	CC	CC	DRR	101514415	cytosolic sulfotransferase 14-like
SNP_7602B_17551912	Ca_Kabuli_Chr02	NC_021161.1	17551912	GG	AA	AA	DRR	101514415	cytosolic sulfotransferase 14-like
SNP_7603B_17562940	Ca_Kabuli_Chr02	NC_021161.1	17562940	CC	TT	TT	INTERGENIC		
SNP_7604B_17563229	Ca_Kabuli_Chr02	NC_021161.1	17563229	AA	TT	TT	INTERGENIC		
SNP_7605B_17565172	Ca_Kabuli_Chr02	NC_021161.1	17565172	CC	AA	AA	INTERGENIC		
SNP_7606B_17587727	Ca_Kabuli_Chr02	NC_021161.1	17587727	TT	CC	CC	INTERGENIC		
SNP_7607B_17595233	Ca_Kabuli_Chr02	NC_021161.1	17595233	AA	GG	GG	INTERGENIC		
SNP_7608B_17892538	Ca_Kabuli_Chr02	NC_021161.1	17892538	TT	CC	CC	INTERGENIC		
SNP_7609B_17892566	Ca_Kabuli_Chr02	NC_021161.1	17892566	AA	GG	GG	INTERGENIC		
SNP_7610B_17892567	Ca_Kabuli_Chr02	NC_021161.1	17892567	AA	GG	GG	INTERGENIC		
SNP_7611B_17892640	Ca_Kabuli_Chr02	NC_021161.1	17892640	AA	GG	GG	INTERGENIC		
SNP_7612B_17915067	Ca_Kabuli_Chr02	NC_021161.1	17915067	TT	GG	GG	INTERGENIC		
SNP_7613B_17915098	Ca_Kabuli_Chr02	NC_021161.1	17915098	CC	GG	GG	INTERGENIC		
SNP_7614B_17916155	Ca_Kabuli_Chr02	NC_021161.1	17916155	AA	CC	CC	INTERGENIC		
SNP_7615B_17981411	Ca_Kabuli_Chr02	NC_021161.1	17981411	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7616B_17997698	Ca_Kabuli_Chr02	NC_021161.1	17997698	AA	GG	GG	INTERGENIC		
SNP_7617B_17997822	Ca_Kabuli_Chr02	NC_021161.1	17997822	TT	CC	CC	INTERGENIC		
SNP_7618B_17997827	Ca_Kabuli_Chr02	NC_021161.1	17997827	GG	AA	AA	INTERGENIC		
SNP_7619B_18101647	Ca_Kabuli_Chr02	NC_021161.1	18101647	CC	TT	TT	INTERGENIC		
SNP_7620B_18125602	Ca_Kabuli_Chr02	NC_021161.1	18125602	TT	CC	CC	INTERGENIC		
SNP_7621B_18169694	Ca_Kabuli_Chr02	NC_021161.1	18169694	GG	AA	AA	INTERGENIC		
SNP_7622B_18169897	Ca_Kabuli_Chr02	NC_021161.1	18169897	GG	AA	AA	INTERGENIC		
SNP_7623B_18170055	Ca_Kabuli_Chr02	NC_021161.1	18170055	TT	AA	AA	INTERGENIC		
SNP_7624B_18170062	Ca_Kabuli_Chr02	NC_021161.1	18170062	AA	CC	CC	INTERGENIC		
SNP_7625B_18170071	Ca_Kabuli_Chr02	NC_021161.1	18170071	TT	AA	AA	INTERGENIC		
SNP_7626B_18381798	Ca_Kabuli_Chr02	NC_021161.1	18381798	AA	GG	GG	INTERGENIC		
SNP_7627B_18409012	Ca_Kabuli_Chr02	NC_021161.1	18409012	GG	CC	CC	INTERGENIC		
SNP_7628B_18409050	Ca_Kabuli_Chr02	NC_021161.1	18409050	CC	TT	TT	INTERGENIC		
SNP_7629B_18409151	Ca_Kabuli_Chr02	NC_021161.1	18409151	AA	TT	TT	INTERGENIC		
SNP_7630B_18409472	Ca_Kabuli_Chr02	NC_021161.1	18409472	TT	CC	CC	INTERGENIC		
SNP_7631B_18410980	Ca_Kabuli_Chr02	NC_021161.1	18410980	TT	CC	CC	INTERGENIC		
SNP_7632B_18516994	Ca_Kabuli_Chr02	NC_021161.1	18516994	GG	AA	AA	INTERGENIC		
SNP_7633B_18587045	Ca_Kabuli_Chr02	NC_021161.1	18587045	TT	CC	CC	INTERGENIC		
SNP_7634B_18587192	Ca_Kabuli_Chr02	NC_021161.1	18587192	GG	AA	AA	INTERGENIC		
SNP_7635B_18699680	Ca_Kabuli_Chr02	NC_021161.1	18699680	TT	CC	CC	INTERGENIC		
SNP_7636B_18699681	Ca_Kabuli_Chr02	NC_021161.1	18699681	GG	AA	AA	INTERGENIC		
SNP_7637B_18707482	Ca_Kabuli_Chr02	NC_021161.1	18707482	GG	TT	TT	INTERGENIC		
SNP_7638B_18755446	Ca_Kabuli_Chr02	NC_021161.1	18755446	CC	GG	GG	INTERGENIC		
SNP_7639B_18776632	Ca_Kabuli_Chr02	NC_021161.1	18776632	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7640B_18776637	Ca_Kabuli_Chr02	NC_021161.1	18776637	CC	TT	TT	INTERGENIC		
SNP_7641B_18776649	Ca_Kabuli_Chr02	NC_021161.1	18776649	GG	AA	AA	INTERGENIC		
SNP_7643B_18944165	Ca_Kabuli_Chr02	NC_021161.1	18944165	CC	AA	AA	INTERGENIC		
SNP_7645B_18944612	Ca_Kabuli_Chr02	NC_021161.1	18944612	TT	CC	CC	INTERGENIC		
SNP_7646B_19008991	Ca_Kabuli_Chr02	NC_021161.1	19008991	GG	TT	TT	INTRON	101511182	probable terpene synthase 2
SNP_7647B_19009078	Ca_Kabuli_Chr02	NC_021161.1	19009078	GG	AA	AA	INTRON	101511182	probable terpene synthase 2
SNP_7648B_19009112	Ca_Kabuli_Chr02	NC_021161.1	19009112	GG	CC	CC	INTRON	101511182	probable terpene synthase 2
SNP_7649B_19009207	Ca_Kabuli_Chr02	NC_021161.1	19009207	CC	TT	TT	INTRON	101511182	probable terpene synthase 2
SNP_7650B_19009219	Ca_Kabuli_Chr02	NC_021161.1	19009219	GG	AA	AA	INTRON	101511182	probable terpene synthase 2
SNP_7651B_19009234	Ca_Kabuli_Chr02	NC_021161.1	19009234	AA	CC	CC	INTRON	101511182	probable terpene synthase 2
SNP_7652B_19009310	Ca_Kabuli_Chr02	NC_021161.1	19009310	TT	GG	GG	INTRON	101511182	probable terpene synthase 2
SNP_7653B_19009436	Ca_Kabuli_Chr02	NC_021161.1	19009436	CC	TT	TT	NON_SYNONYMOUS_CODING	101511182	probable terpene synthase 2
SNP_7654B_19015885	Ca_Kabuli_Chr02	NC_021161.1	19015885	CC	TT	TT	INTERGENIC		
SNP_7655B_19015940	Ca_Kabuli_Chr02	NC_021161.1	19015940	GG	TT	TT	INTERGENIC		
SNP_7656B_19016105	Ca_Kabuli_Chr02	NC_021161.1	19016105	GG	CC	CC	INTERGENIC		
SNP_7657B_19016117	Ca_Kabuli_Chr02	NC_021161.1	19016117	GG	AA	AA	INTERGENIC		
SNP_7658B_19016130	Ca_Kabuli_Chr02	NC_021161.1	19016130	TT	CC	CC	INTERGENIC		
SNP_7659B_19016165	Ca_Kabuli_Chr02	NC_021161.1	19016165	TT	CC	CC	INTERGENIC		
SNP_7660B_19016194	Ca_Kabuli_Chr02	NC_021161.1	19016194	AA	GG	GG	INTERGENIC		
SNP_7661B_19016195	Ca_Kabuli_Chr02	NC_021161.1	19016195	CC	TT	TT	INTERGENIC		
SNP_7662B_19016204	Ca_Kabuli_Chr02	NC_021161.1	19016204	CC	GG	GG	INTERGENIC		
SNP_7663B_19016206	Ca_Kabuli_Chr02	NC_021161.1	19016206	AA	GG	GG	INTERGENIC		
SNP_7664B_19016276	Ca_Kabuli_Chr02	NC_021161.1	19016276	TT	GG	GG	INTERGENIC		
SNP_7665B_19016301	Ca_Kabuli_Chr02	NC_021161.1	19016301	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7666B_19016382	Ca_Kabuli_Chr02	NC_021161.1	19016382	CC	TT	TT	INTERGENIC		
SNP_7667B_19016562	Ca_Kabuli_Chr02	NC_021161.1	19016562	AA	CC	CC	INTERGENIC		
SNP_7668B_19016599	Ca_Kabuli_Chr02	NC_021161.1	19016599	CC	AA	AA	INTERGENIC		
SNP_7669B_19026318	Ca_Kabuli_Chr02	NC_021161.1	19026318	CC	TT	TT	URR	101494014	probable terpene synthase 2
SNP_7670B_19026700	Ca_Kabuli_Chr02	NC_021161.1	19026700	TT	CC	CC	URR	101494014	probable terpene synthase 2
SNP_7671B_19101582	Ca_Kabuli_Chr02	NC_021161.1	19101582	AA	CC	CC	INTERGENIC		
SNP_7672B_19101914	Ca_Kabuli_Chr02	NC_021161.1	19101914	TT	GG	GG	INTERGENIC		
SNP_7673B_19130490	Ca_Kabuli_Chr02	NC_021161.1	19130490	CC	TT	TT	INTERGENIC		
SNP_7674B_19134629	Ca_Kabuli_Chr02	NC_021161.1	19134629	GG	AA	AA	INTERGENIC		
SNP_7675B_19134647	Ca_Kabuli_Chr02	NC_021161.1	19134647	CC	GG	GG	INTERGENIC		
SNP_7676B_19134875	Ca_Kabuli_Chr02	NC_021161.1	19134875	AA	CC	CC	INTERGENIC		
SNP_7677B_19139071	Ca_Kabuli_Chr02	NC_021161.1	19139071	TT	CC	CC	INTERGENIC		
SNP_7678B_19139815	Ca_Kabuli_Chr02	NC_021161.1	19139815	GG	AA	AA	INTERGENIC		
SNP_7679B_19164413	Ca_Kabuli_Chr02	NC_021161.1	19164413	TT	AA	AA	INTERGENIC		
SNP_7680B_19180056	Ca_Kabuli_Chr02	NC_021161.1	19180056	TT	GG	GG	INTERGENIC		
SNP_7681B_19192840	Ca_Kabuli_Chr02	NC_021161.1	19192840	GG	AA	AA	INTERGENIC		
SNP_7682B_19198280	Ca_Kabuli_Chr02	NC_021161.1	19198280	AA	GG	GG	INTERGENIC		
SNP_7684B_19219073	Ca_Kabuli_Chr02	NC_021161.1	19219073	GG	AA	AA	INTERGENIC		
SNP_7685B_19219080	Ca_Kabuli_Chr02	NC_021161.1	19219080	GG	TT	TT	INTERGENIC		
SNP_7686B_19219139	Ca_Kabuli_Chr02	NC_021161.1	19219139	TT	CC	CC	INTERGENIC		
SNP_7687B_19251509	Ca_Kabuli_Chr02	NC_021161.1	19251509	TT	AA	AA	INTERGENIC		
SNP_7688B_19251538	Ca_Kabuli_Chr02	NC_021161.1	19251538	AA	GG	GG	INTERGENIC		
SNP_7689B_19251940	Ca_Kabuli_Chr02	NC_021161.1	19251940	GG	AA	AA	INTERGENIC		
SNP_7690B_19261293	Ca_Kabuli_Chr02	NC_021161.1	19261293	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7691B_19281257	Ca_Kabuli_Chr02	NC_021161.1	19281257	AA	CC	CC	INTERGENIC		
SNP_7692B_19283935	Ca_Kabuli_Chr02	NC_021161.1	19283935	AA	TT	TT	INTERGENIC		
SNP_7693B_19314605	Ca_Kabuli_Chr02	NC_021161.1	19314605	TT	AA	AA	INTERGENIC		
SNP_7694B_19314681	Ca_Kabuli_Chr02	NC_021161.1	19314681	TT	GG	GG	INTERGENIC		
SNP_7695B_19326624	Ca_Kabuli_Chr02	NC_021161.1	19326624	TT	CC	CC	INTERGENIC		
SNP_7696B_19327297	Ca_Kabuli_Chr02	NC_021161.1	19327297	GG	AA	AA	INTERGENIC		
SNP_7697B_19328010	Ca_Kabuli_Chr02	NC_021161.1	19328010	CC	TT	TT	INTERGENIC		
SNP_7699B_19447731	Ca_Kabuli_Chr02	NC_021161.1	19447731	CC	AA	AA	INTERGENIC		
SNP_7700B_19501220	Ca_Kabuli_Chr02	NC_021161.1	19501220	CC	TT	TT	INTERGENIC		
SNP_7701B_19501270	Ca_Kabuli_Chr02	NC_021161.1	19501270	AA	CC	CC	INTERGENIC		
SNP_7702B_19501354	Ca_Kabuli_Chr02	NC_021161.1	19501354	GG	AA	AA	INTERGENIC		
SNP_7703B_19516489	Ca_Kabuli_Chr02	NC_021161.1	19516489	TT	AA	AA	INTERGENIC		
SNP_7704B_19516490	Ca_Kabuli_Chr02	NC_021161.1	19516490	AA	TT	TT	INTERGENIC		
SNP_7705B_19516514	Ca_Kabuli_Chr02	NC_021161.1	19516514	CC	TT	TT	INTERGENIC		
SNP_7706B_19516537	Ca_Kabuli_Chr02	NC_021161.1	19516537	TT	CC	CC	INTERGENIC		
SNP_7707B_19516618	Ca_Kabuli_Chr02	NC_021161.1	19516618	GG	AA	AA	INTERGENIC		
SNP_7708B_19516714	Ca_Kabuli_Chr02	NC_021161.1	19516714	AA	GG	GG	INTERGENIC		
SNP_7709B_19516742	Ca_Kabuli_Chr02	NC_021161.1	19516742	AA	TT	TT	INTERGENIC		
SNP_7710B_19516834	Ca_Kabuli_Chr02	NC_021161.1	19516834	CC	TT	TT	INTERGENIC		
SNP_7711B_19517140	Ca_Kabuli_Chr02	NC_021161.1	19517140	GG	AA	AA	INTERGENIC		
SNP_7712B_19517421	Ca_Kabuli_Chr02	NC_021161.1	19517421	CC	AA	AA	INTERGENIC		
SNP_7713B_19517439	Ca_Kabuli_Chr02	NC_021161.1	19517439	AA	TT	TT	INTERGENIC		
SNP_7714B_19570572	Ca_Kabuli_Chr02	NC_021161.1	19570572	AA	CC	CC	INTERGENIC		
SNP_7715B_19590168	Ca_Kabuli_Chr02	NC_021161.1	19590168	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7716B_19590522	Ca_Kabuli_Chr02	NC_021161.1	19590522	GG	CC	CC	INTERGENIC		
SNP_7717B_19590627	Ca_Kabuli_Chr02	NC_021161.1	19590627	TT	GG	GG	INTERGENIC		
SNP_7718B_19590633	Ca_Kabuli_Chr02	NC_021161.1	19590633	CC	TT	TT	INTERGENIC		
SNP_7719B_19602666	Ca_Kabuli_Chr02	NC_021161.1	19602666	AA	GG	GG	INTERGENIC		
SNP_7720B_19602728	Ca_Kabuli_Chr02	NC_021161.1	19602728	CC	GG	GG	INTERGENIC		
SNP_7721B_19602798	Ca_Kabuli_Chr02	NC_021161.1	19602798	TT	GG	GG	INTERGENIC		
SNP_7722B_19602813	Ca_Kabuli_Chr02	NC_021161.1	19602813	GG	TT	TT	INTERGENIC		
SNP_7723B_19603085	Ca_Kabuli_Chr02	NC_021161.1	19603085	GG	AA	AA	INTERGENIC		
SNP_7724B_19603097	Ca_Kabuli_Chr02	NC_021161.1	19603097	GG	AA	AA	INTERGENIC		
SNP_7725B_19603219	Ca_Kabuli_Chr02	NC_021161.1	19603219	AA	GG	GG	INTERGENIC		
SNP_7726B_19603231	Ca_Kabuli_Chr02	NC_021161.1	19603231	TT	CC	CC	INTERGENIC		
SNP_7727B_19615414	Ca_Kabuli_Chr02	NC_021161.1	19615414	AA	TT	TT	INTERGENIC		
SNP_7728B_19615434	Ca_Kabuli_Chr02	NC_021161.1	19615434	CC	AA	AA	INTERGENIC		
SNP_7729B_19617026	Ca_Kabuli_Chr02	NC_021161.1	19617026	AA	GG	GG	INTERGENIC		
SNP_7730B_19617047	Ca_Kabuli_Chr02	NC_021161.1	19617047	AA	GG	GG	INTERGENIC		
SNP_7731B_19617390	Ca_Kabuli_Chr02	NC_021161.1	19617390	AA	GG	GG	INTERGENIC		
SNP_7732B_19617438	Ca_Kabuli_Chr02	NC_021161.1	19617438	TT	AA	AA	INTERGENIC		
SNP_7733B_19620639	Ca_Kabuli_Chr02	NC_021161.1	19620639	TT	GG	GG	INTERGENIC		
SNP_7734B_19620942	Ca_Kabuli_Chr02	NC_021161.1	19620942	TT	GG	GG	INTERGENIC		
SNP_7735B_19646159	Ca_Kabuli_Chr02	NC_021161.1	19646159	TT	AA	AA	INTERGENIC		
SNP_7736B_19649822	Ca_Kabuli_Chr02	NC_021161.1	19649822	GG	AA	AA	INTERGENIC		
SNP_7737B_19650150	Ca_Kabuli_Chr02	NC_021161.1	19650150	CC	TT	TT	INTERGENIC		
SNP_7738B_19650154	Ca_Kabuli_Chr02	NC_021161.1	19650154	GG	AA	AA	INTERGENIC		
SNP_7739B_19650171	Ca_Kabuli_Chr02	NC_021161.1	19650171	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7740B_19650204	Ca_Kabuli_Chr02	NC_021161.1	19650204	AA	GG	GG	INTERGENIC		
SNP_7741B_19650221	Ca_Kabuli_Chr02	NC_021161.1	19650221	AA	GG	GG	INTERGENIC		
SNP_7742B_19705581	Ca_Kabuli_Chr02	NC_021161.1	19705581	GG	AA	AA	INTERGENIC		
SNP_7743B_19705604	Ca_Kabuli_Chr02	NC_021161.1	19705604	AA	TT	TT	INTERGENIC		
SNP_7744B_19706059	Ca_Kabuli_Chr02	NC_021161.1	19706059	CC	TT	TT	INTERGENIC		
SNP_7745B_19728776	Ca_Kabuli_Chr02	NC_021161.1	19728776	AA	GG	GG	INTERGENIC		
SNP_7746B_19767952	Ca_Kabuli_Chr02	NC_021161.1	19767952	AA	GG	GG	INTERGENIC		
SNP_7747B_19768142	Ca_Kabuli_Chr02	NC_021161.1	19768142	CC	TT	TT	INTERGENIC		
SNP_7748B_19768158	Ca_Kabuli_Chr02	NC_021161.1	19768158	CC	TT	TT	INTERGENIC		
SNP_7749B_19768159	Ca_Kabuli_Chr02	NC_021161.1	19768159	AA	GG	GG	INTERGENIC		
SNP_7750B_19769243	Ca_Kabuli_Chr02	NC_021161.1	19769243	AA	GG	GG	DRR	101501018	Unknown function
SNP_7751B_19769347	Ca_Kabuli_Chr02	NC_021161.1	19769347	CC	TT	TT	DRR	101501018	Unknown function
SNP_7752B_19769366	Ca_Kabuli_Chr02	NC_021161.1	19769366	GG	TT	TT	DRR	101501018	Unknown function
SNP_7753B_19769453	Ca_Kabuli_Chr02	NC_021161.1	19769453	GG	AA	AA	DRR	101501018	Unknown function
SNP_7754B_19769456	Ca_Kabuli_Chr02	NC_021161.1	19769456	CC	TT	TT	DRR	101501018	Unknown function
SNP_7755B_19769528	Ca_Kabuli_Chr02	NC_021161.1	19769528	GG	AA	AA	DRR	101501018	Unknown function
SNP_7757B_19769771	Ca_Kabuli_Chr02	NC_021161.1	19769771	GG	AA	AA	DRR	101501018	Unknown function
SNP_7758B_19769792	Ca_Kabuli_Chr02	NC_021161.1	19769792	GG	AA	AA	DRR	101501018	Unknown function
SNP_7759B_19772423	Ca_Kabuli_Chr02	NC_021161.1	19772423	TT	CC	CC	URR	101501018	Unknown function
SNP_7760B_19772482	Ca_Kabuli_Chr02	NC_021161.1	19772482	CC	TT	TT	URR	101501018	Unknown function
SNP_7761B_19772773	Ca_Kabuli_Chr02	NC_021161.1	19772773	TT	GG	GG	URR	101501018	Unknown function
SNP_7762B_19772802	Ca_Kabuli_Chr02	NC_021161.1	19772802	AA	GG	GG	URR	101501018	Unknown function
SNP_7763B_19772990	Ca_Kabuli_Chr02	NC_021161.1	19772990	AA	GG	GG	URR	101501018	Unknown function
SNP_7764B_19786029	Ca_Kabuli_Chr02	NC_021161.1	19786029	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7765B_19786066	Ca_Kabuli_Chr02	NC_021161.1	19786066	GG	AA	AA	INTERGENIC		
SNP_7766B_19786067	Ca_Kabuli_Chr02	NC_021161.1	19786067	GG	AA	AA	INTERGENIC		
SNP_7767B_19786073	Ca_Kabuli_Chr02	NC_021161.1	19786073	GG	AA	AA	INTERGENIC		
SNP_7768B_19791497	Ca_Kabuli_Chr02	NC_021161.1	19791497	TT	GG	GG	INTERGENIC		
SNP_7770B_19791817	Ca_Kabuli_Chr02	NC_021161.1	19791817	TT	GG	GG	INTERGENIC		
SNP_7771B_19824392	Ca_Kabuli_Chr02	NC_021161.1	19824392	TT	AA	AA	INTERGENIC		
SNP_7772B_19824469	Ca_Kabuli_Chr02	NC_021161.1	19824469	AA	TT	TT	INTERGENIC		
SNP_7773B_19825207	Ca_Kabuli_Chr02	NC_021161.1	19825207	TT	GG	GG	INTERGENIC		
SNP_7774B_19881320	Ca_Kabuli_Chr02	NC_021161.1	19881320	GG	AA	AA	INTERGENIC		
SNP_7775B_19881322	Ca_Kabuli_Chr02	NC_021161.1	19881322	TT	AA	AA	INTERGENIC		
SNP_7776B_19881323	Ca_Kabuli_Chr02	NC_021161.1	19881323	CC	AA	AA	INTERGENIC		
SNP_7777B_19881330	Ca_Kabuli_Chr02	NC_021161.1	19881330	TT	GG	GG	INTERGENIC		
SNP_7778B_19901438	Ca_Kabuli_Chr02	NC_021161.1	19901438	TT	CC	CC	INTERGENIC		
SNP_7779B_19927222	Ca_Kabuli_Chr02	NC_021161.1	19927222	AA	CC	CC	INTERGENIC		
SNP_7780B_19927232	Ca_Kabuli_Chr02	NC_021161.1	19927232	CC	TT	TT	INTERGENIC		
SNP_7781B_19927263	Ca_Kabuli_Chr02	NC_021161.1	19927263	CC	TT	TT	INTERGENIC		
SNP_7782B_19931473	Ca_Kabuli_Chr02	NC_021161.1	19931473	AA	GG	GG	INTERGENIC		
SNP_7783B_19931495	Ca_Kabuli_Chr02	NC_021161.1	19931495	CC	TT	TT	INTERGENIC		
SNP_7784B_19966961	Ca_Kabuli_Chr02	NC_021161.1	19966961	GG	TT	TT	INTERGENIC		
SNP_7785B_19971784	Ca_Kabuli_Chr02	NC_021161.1	19971784	CC	TT	TT	INTERGENIC		
SNP_7786B_20069542	Ca_Kabuli_Chr02	NC_021161.1	20069542	AA	CC	CC	INTERGENIC		
SNP_7787B_20069635	Ca_Kabuli_Chr02	NC_021161.1	20069635	AA	GG	GG	INTERGENIC		
SNP_7788B_20069645	Ca_Kabuli_Chr02	NC_021161.1	20069645	GG	AA	AA	INTERGENIC		
SNP_7789B_20074904	Ca_Kabuli_Chr02	NC_021161.1	20074904	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7790B_20074944	Ca_Kabuli_Chr02	NC_021161.1	20074944	CC	TT	TT	INTERGENIC		
SNP_7791B_20075016	Ca_Kabuli_Chr02	NC_021161.1	20075016	TT	CC	CC	INTERGENIC		
SNP_7792B_20077433	Ca_Kabuli_Chr02	NC_021161.1	20077433	GG	AA	AA	INTERGENIC		
SNP_7793B_20077515	Ca_Kabuli_Chr02	NC_021161.1	20077515	AA	GG	GG	INTERGENIC		
SNP_7794B_20078380	Ca_Kabuli_Chr02	NC_021161.1	20078380	AA	GG	GG	INTERGENIC		
SNP_7795B_20078391	Ca_Kabuli_Chr02	NC_021161.1	20078391	CC	AA	AA	INTERGENIC		
SNP_7796B_20078394	Ca_Kabuli_Chr02	NC_021161.1	20078394	GG	AA	AA	INTERGENIC		
SNP_7797B_20084229	Ca_Kabuli_Chr02	NC_021161.1	20084229	TT	AA	AA	INTERGENIC		
SNP_7798B_20085836	Ca_Kabuli_Chr02	NC_021161.1	20085836	GG	AA	AA	INTERGENIC		
SNP_7799B_20085840	Ca_Kabuli_Chr02	NC_021161.1	20085840	AA	GG	GG	INTERGENIC		
SNP_7800B_20087699	Ca_Kabuli_Chr02	NC_021161.1	20087699	AA	GG	GG	INTERGENIC		
SNP_7801B_20088108	Ca_Kabuli_Chr02	NC_021161.1	20088108	AA	GG	GG	INTERGENIC		
SNP_7802B_20088146	Ca_Kabuli_Chr02	NC_021161.1	20088146	TT	CC	CC	INTERGENIC		
SNP_7803B_20088176	Ca_Kabuli_Chr02	NC_021161.1	20088176	CC	AA	AA	INTERGENIC		
SNP_7804B_20150952	Ca_Kabuli_Chr02	NC_021161.1	20150952	GG	AA	AA	INTERGENIC		
SNP_7805B_20151212	Ca_Kabuli_Chr02	NC_021161.1	20151212	TT	AA	AA	INTERGENIC		
SNP_7806B_20151693	Ca_Kabuli_Chr02	NC_021161.1	20151693	GG	CC	CC	INTERGENIC		
SNP_7807B_20151773	Ca_Kabuli_Chr02	NC_021161.1	20151773	CC	TT	TT	INTERGENIC		
SNP_7808B_20151779	Ca_Kabuli_Chr02	NC_021161.1	20151779	GG	AA	AA	INTERGENIC		
SNP_7809B_20151811	Ca_Kabuli_Chr02	NC_021161.1	20151811	TT	AA	AA	INTERGENIC		
SNP_7811B_20151865	Ca_Kabuli_Chr02	NC_021161.1	20151865	GG	AA	AA	INTERGENIC		
SNP_7812B_20151878	Ca_Kabuli_Chr02	NC_021161.1	20151878	AA	TT	TT	INTERGENIC		
SNP_7813B_20151988	Ca_Kabuli_Chr02	NC_021161.1	20151988	TT	CC	CC	INTERGENIC		
SNP_7814B_20153803	Ca_Kabuli_Chr02	NC_021161.1	20153803	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7815B_20155366	Ca_Kabuli_Chr02	NC_021161.1	20155366	AA	TT	TT	INTERGENIC		
SNP_7816B_20169428	Ca_Kabuli_Chr02	NC_021161.1	20169428	AA	TT	TT	INTERGENIC		
SNP_7817B_20171788	Ca_Kabuli_Chr02	NC_021161.1	20171788	AA	TT	TT	INTERGENIC		
SNP_7818B_20171798	Ca_Kabuli_Chr02	NC_021161.1	20171798	TT	AA	AA	INTERGENIC		
SNP_7820B_20171813	Ca_Kabuli_Chr02	NC_021161.1	20171813	TT	AA	AA	INTERGENIC		
SNP_7822B_20176382	Ca_Kabuli_Chr02	NC_021161.1	20176382	GG	AA	AA	INTERGENIC		
SNP_7823B_20177743	Ca_Kabuli_Chr02	NC_021161.1	20177743	AA	GG	GG	INTERGENIC		
SNP_7824B_20177855	Ca_Kabuli_Chr02	NC_021161.1	20177855	TT	GG	GG	INTERGENIC		
SNP_7825B_20177903	Ca_Kabuli_Chr02	NC_021161.1	20177903	CC	TT	TT	INTERGENIC		
SNP_7826B_20178169	Ca_Kabuli_Chr02	NC_021161.1	20178169	GG	CC	CC	INTERGENIC		
SNP_7827B_20191468	Ca_Kabuli_Chr02	NC_021161.1	20191468	TT	CC	CC	INTERGENIC		
SNP_7828B_20191667	Ca_Kabuli_Chr02	NC_021161.1	20191667	AA	CC	CC	INTERGENIC		
SNP_7829B_20191716	Ca_Kabuli_Chr02	NC_021161.1	20191716	AA	GG	GG	INTERGENIC		
SNP_7830B_20191809	Ca_Kabuli_Chr02	NC_021161.1	20191809	TT	CC	CC	INTERGENIC		
SNP_7831B_20191906	Ca_Kabuli_Chr02	NC_021161.1	20191906	TT	CC	CC	INTERGENIC		
SNP_7832B_20191911	Ca_Kabuli_Chr02	NC_021161.1	20191911	GG	AA	AA	INTERGENIC		
SNP_7833B_20192073	Ca_Kabuli_Chr02	NC_021161.1	20192073	GG	AA	AA	INTERGENIC		
SNP_7834B_20192087	Ca_Kabuli_Chr02	NC_021161.1	20192087	CC	TT	TT	INTERGENIC		
SNP_7835B_20192088	Ca_Kabuli_Chr02	NC_021161.1	20192088	GG	TT	TT	INTERGENIC		
SNP_7836B_20192175	Ca_Kabuli_Chr02	NC_021161.1	20192175	TT	CC	CC	INTERGENIC		
SNP_7837B_20192176	Ca_Kabuli_Chr02	NC_021161.1	20192176	TT	CC	CC	INTERGENIC		
SNP_7838B_20192196	Ca_Kabuli_Chr02	NC_021161.1	20192196	GG	TT	TT	INTERGENIC		
SNP_7839B_20192556	Ca_Kabuli_Chr02	NC_021161.1	20192556	CC	TT	TT	INTERGENIC		
SNP_7840B_20210466	Ca_Kabuli_Chr02	NC_021161.1	20210466	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7841B_20235128	Ca_Kabuli_Chr02	NC_021161.1	20235128	AA	TT	TT	INTERGENIC		
SNP_7842B_20313597	Ca_Kabuli_Chr02	NC_021161.1	20313597	GG	CC	CC	INTERGENIC		
SNP_7843B_20321668	Ca_Kabuli_Chr02	NC_021161.1	20321668	AA	TT	TT	INTERGENIC		
SNP_7845B_20353213	Ca_Kabuli_Chr02	NC_021161.1	20353213	CC	TT	TT	INTERGENIC		
SNP_7846B_20353217	Ca_Kabuli_Chr02	NC_021161.1	20353217	TT	AA	AA	INTERGENIC		
SNP_7847B_20353233	Ca_Kabuli_Chr02	NC_021161.1	20353233	AA	GG	GG	INTERGENIC		
SNP_7848B_20353286	Ca_Kabuli_Chr02	NC_021161.1	20353286	AA	GG	GG	INTERGENIC		
SNP_7849B_20353565	Ca_Kabuli_Chr02	NC_021161.1	20353565	CC	GG	GG	INTERGENIC		
SNP_7850B_20355723	Ca_Kabuli_Chr02	NC_021161.1	20355723	AA	GG	GG	INTERGENIC		
SNP_7851B_20424875	Ca_Kabuli_Chr02	NC_021161.1	20424875	AA	GG	GG	INTERGENIC		
SNP_7852B_20448963	Ca_Kabuli_Chr02	NC_021161.1	20448963	GG	TT	TT	INTRON	101504223	nodulin-26-like
SNP_7854B_20474887	Ca_Kabuli_Chr02	NC_021161.1	20474887	CC	GG	GG	INTERGENIC		
SNP_7855B_20475172	Ca_Kabuli_Chr02	NC_021161.1	20475172	AA	CC	CC	INTERGENIC		
SNP_7856B_20475175	Ca_Kabuli_Chr02	NC_021161.1	20475175	TT	CC	CC	INTERGENIC		
SNP_7857B_20479799	Ca_Kabuli_Chr02	NC_021161.1	20479799	TT	CC	CC	INTERGENIC		
SNP_7858B_20490402	Ca_Kabuli_Chr02	NC_021161.1	20490402	AA	GG	GG	INTERGENIC		
SNP_7859B_20490410	Ca_Kabuli_Chr02	NC_021161.1	20490410	TT	CC	CC	INTERGENIC		
SNP_7860B_20490458	Ca_Kabuli_Chr02	NC_021161.1	20490458	AA	GG	GG	INTERGENIC		
SNP_7861B_20490587	Ca_Kabuli_Chr02	NC_021161.1	20490587	AA	GG	GG	INTERGENIC		
SNP_7862B_20490601	Ca_Kabuli_Chr02	NC_021161.1	20490601	AA	GG	GG	INTERGENIC		
SNP_7863B_20490794	Ca_Kabuli_Chr02	NC_021161.1	20490794	CC	TT	TT	INTERGENIC		
SNP_7864B_20493815	Ca_Kabuli_Chr02	NC_021161.1	20493815	GG	AA	AA	INTERGENIC		
SNP_7865B_20568619	Ca_Kabuli_Chr02	NC_021161.1	20568619	GG	TT	TT	INTERGENIC		
SNP_7866B_20579482	Ca_Kabuli_Chr02	NC_021161.1	20579482	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7867B_20579513	Ca_Kabuli_Chr02	NC_021161.1	20579513	TT	GG	GG	INTERGENIC		
SNP_7868B_20579556	Ca_Kabuli_Chr02	NC_021161.1	20579556	CC	AA	AA	INTERGENIC		
SNP_7869B_20587697	Ca_Kabuli_Chr02	NC_021161.1	20587697	AA	GG	GG	INTERGENIC		
SNP_7870B_20587704	Ca_Kabuli_Chr02	NC_021161.1	20587704	AA	CC	CC	INTERGENIC		
SNP_7871B_20587737	Ca_Kabuli_Chr02	NC_021161.1	20587737	TT	AA	AA	INTERGENIC		
SNP_7872B_20587744	Ca_Kabuli_Chr02	NC_021161.1	20587744	TT	CC	CC	INTERGENIC		
SNP_7873B_20587746	Ca_Kabuli_Chr02	NC_021161.1	20587746	AA	TT	TT	INTERGENIC		
SNP_7874B_20620733	Ca_Kabuli_Chr02	NC_021161.1	20620733	CC	GG	GG	INTERGENIC		
SNP_7875B_20620736	Ca_Kabuli_Chr02	NC_021161.1	20620736	AA	TT	TT	INTERGENIC		
SNP_7876B_20620745	Ca_Kabuli_Chr02	NC_021161.1	20620745	GG	CC	CC	INTERGENIC		
SNP_7877B_20620782	Ca_Kabuli_Chr02	NC_021161.1	20620782	TT	GG	GG	INTERGENIC		
SNP_7878B_20621016	Ca_Kabuli_Chr02	NC_021161.1	20621016	TT	CC	CC	INTERGENIC		
SNP_7879B_20621757	Ca_Kabuli_Chr02	NC_021161.1	20621757	TT	GG	GG	INTERGENIC		
SNP_7880B_20621766	Ca_Kabuli_Chr02	NC_021161.1	20621766	CC	TT	TT	INTERGENIC		
SNP_7881B_20621772	Ca_Kabuli_Chr02	NC_021161.1	20621772	TT	CC	CC	INTERGENIC		
SNP_7882B_20621820	Ca_Kabuli_Chr02	NC_021161.1	20621820	GG	AA	AA	INTERGENIC		
SNP_7883B_20622755	Ca_Kabuli_Chr02	NC_021161.1	20622755	CC	TT	TT	INTERGENIC		
SNP_7884B_20622774	Ca_Kabuli_Chr02	NC_021161.1	20622774	GG	TT	TT	INTERGENIC		
SNP_7885B_20622781	Ca_Kabuli_Chr02	NC_021161.1	20622781	AA	CC	CC	INTERGENIC		
SNP_7886B_20622995	Ca_Kabuli_Chr02	NC_021161.1	20622995	AA	GG	GG	INTERGENIC		
SNP_7887B_20648077	Ca_Kabuli_Chr02	NC_021161.1	20648077	AA	GG	GG	INTERGENIC		
SNP_7888B_20649365	Ca_Kabuli_Chr02	NC_021161.1	20649365	GG	TT	TT	INTERGENIC		
SNP_7889B_20650197	Ca_Kabuli_Chr02	NC_021161.1	20650197	CC	TT	TT	INTERGENIC		
SNP_7890B_20651446	Ca_Kabuli_Chr02	NC_021161.1	20651446	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7891B_20657628	Ca_Kabuli_Chr02	NC_021161.1	20657628	GG	AA	AA	INTERGENIC		
SNP_7892B_20658258	Ca_Kabuli_Chr02	NC_021161.1	20658258	AA	CC	CC	INTERGENIC		
SNP_7893B_20669213	Ca_Kabuli_Chr02	NC_021161.1	20669213	TT	AA	AA	INTERGENIC		
SNP_7894B_20669235	Ca_Kabuli_Chr02	NC_021161.1	20669235	AA	CC	CC	INTERGENIC		
SNP_7895B_20669243	Ca_Kabuli_Chr02	NC_021161.1	20669243	TT	AA	AA	INTERGENIC		
SNP_7896B_20687212	Ca_Kabuli_Chr02	NC_021161.1	20687212	TT	AA	AA	INTERGENIC		
SNP_7897B_20715741	Ca_Kabuli_Chr02	NC_021161.1	20715741	AA	CC	CC	INTERGENIC		
SNP_7898B_20715765	Ca_Kabuli_Chr02	NC_021161.1	20715765	TT	CC	CC	INTERGENIC		
SNP_7900B_20716070	Ca_Kabuli_Chr02	NC_021161.1	20716070	CC	AA	AA	INTERGENIC		
SNP_7901B_20716088	Ca_Kabuli_Chr02	NC_021161.1	20716088	TT	GG	GG	INTERGENIC		
SNP_7902B_20716111	Ca_Kabuli_Chr02	NC_021161.1	20716111	AA	CC	CC	INTERGENIC		
SNP_7903B_20716113	Ca_Kabuli_Chr02	NC_021161.1	20716113	TT	AA	AA	INTERGENIC		
SNP_7904B_20716119	Ca_Kabuli_Chr02	NC_021161.1	20716119	AA	GG	GG	INTERGENIC		
SNP_7905B_20869172	Ca_Kabuli_Chr02	NC_021161.1	20869172	CC	TT	TT	INTERGENIC		
SNP_7906B_20937863	Ca_Kabuli_Chr02	NC_021161.1	20937863	GG	AA	AA	INTERGENIC		
SNP_7907B_20937875	Ca_Kabuli_Chr02	NC_021161.1	20937875	TT	GG	GG	INTERGENIC		
SNP_7908B_20970782	Ca_Kabuli_Chr02	NC_021161.1	20970782	AA	CC	CC	INTERGENIC		
SNP_7909B_20970848	Ca_Kabuli_Chr02	NC_021161.1	20970848	TT	AA	AA	INTERGENIC		
SNP_7910B_20998047	Ca_Kabuli_Chr02	NC_021161.1	20998047	AA	TT	TT	INTERGENIC		
SNP_7911B_21000336	Ca_Kabuli_Chr02	NC_021161.1	21000336	CC	TT	TT	INTERGENIC		
SNP_7912B_21000385	Ca_Kabuli_Chr02	NC_021161.1	21000385	AA	GG	GG	INTERGENIC		
SNP_7913B_21000433	Ca_Kabuli_Chr02	NC_021161.1	21000433	TT	CC	CC	INTERGENIC		
SNP_7914B_21038520	Ca_Kabuli_Chr02	NC_021161.1	21038520	GG	TT	TT	INTERGENIC		
SNP_7915B_21085708	Ca_Kabuli_Chr02	NC_021161.1	21085708	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7916B_21140224	Ca_Kabuli_Chr02	NC_021161.1	21140224	GG	AA	AA	INTERGENIC		
SNP_7917B_21140225	Ca_Kabuli_Chr02	NC_021161.1	21140225	AA	GG	GG	INTERGENIC		
SNP_7919B_21176962	Ca_Kabuli_Chr02	NC_021161.1	21176962	GG	AA	AA	INTERGENIC		
SNP_7920B_21176989	Ca_Kabuli_Chr02	NC_021161.1	21176989	AA	CC	CC	INTERGENIC		
SNP_7921B_21204817	Ca_Kabuli_Chr02	NC_021161.1	21204817	TT	CC	CC	INTERGENIC		
SNP_7922B_21205272	Ca_Kabuli_Chr02	NC_021161.1	21205272	TT	GG	GG	INTERGENIC		
SNP_7923B_21208373	Ca_Kabuli_Chr02	NC_021161.1	21208373	AA	GG	GG	INTERGENIC		
SNP_7924B_21208418	Ca_Kabuli_Chr02	NC_021161.1	21208418	CC	TT	TT	INTERGENIC		
SNP_7925B_21208427	Ca_Kabuli_Chr02	NC_021161.1	21208427	GG	AA	AA	INTERGENIC		
SNP_7926B_21208463	Ca_Kabuli_Chr02	NC_021161.1	21208463	GG	AA	AA	INTERGENIC		
SNP_7927B_21208469	Ca_Kabuli_Chr02	NC_021161.1	21208469	GG	AA	AA	INTERGENIC		
SNP_7928B_21208475	Ca_Kabuli_Chr02	NC_021161.1	21208475	CC	TT	TT	INTERGENIC		
SNP_7929B_21208622	Ca_Kabuli_Chr02	NC_021161.1	21208622	TT	AA	AA	INTERGENIC		
SNP_7930B_21208629	Ca_Kabuli_Chr02	NC_021161.1	21208629	AA	GG	GG	INTERGENIC		
SNP_7931B_21208635	Ca_Kabuli_Chr02	NC_021161.1	21208635	TT	CC	CC	INTERGENIC		
SNP_7932B_21208637	Ca_Kabuli_Chr02	NC_021161.1	21208637	GG	TT	TT	INTERGENIC		
SNP_7933B_21208655	Ca_Kabuli_Chr02	NC_021161.1	21208655	TT	CC	CC	INTERGENIC		
SNP_7934B_21208656	Ca_Kabuli_Chr02	NC_021161.1	21208656	CC	TT	TT	INTERGENIC		
SNP_7935B_21208658	Ca_Kabuli_Chr02	NC_021161.1	21208658	GG	AA	AA	INTERGENIC		
SNP_7936B_21208665	Ca_Kabuli_Chr02	NC_021161.1	21208665	AA	GG	GG	INTERGENIC		
SNP_7937B_21208697	Ca_Kabuli_Chr02	NC_021161.1	21208697	GG	AA	AA	INTERGENIC		
SNP_7938B_21208729	Ca_Kabuli_Chr02	NC_021161.1	21208729	GG	CC	CC	INTERGENIC		
SNP_7939B_21208803	Ca_Kabuli_Chr02	NC_021161.1	21208803	TT	AA	AA	INTERGENIC		
SNP_7940B_21208805	Ca_Kabuli_Chr02	NC_021161.1	21208805	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7941B_21303216	Ca_Kabuli_Chr02	NC_021161.1	21303216	TT	AA	AA	INTERGENIC		
SNP_7942B_21303226	Ca_Kabuli_Chr02	NC_021161.1	21303226	AA	GG	GG	INTERGENIC		
SNP_7943B_21303232	Ca_Kabuli_Chr02	NC_021161.1	21303232	TT	CC	CC	INTERGENIC		
SNP_7944B_21303293	Ca_Kabuli_Chr02	NC_021161.1	21303293	TT	CC	CC	INTERGENIC		
SNP_7945B_21303360	Ca_Kabuli_Chr02	NC_021161.1	21303360	AA	GG	GG	INTERGENIC		
SNP_7946B_21303406	Ca_Kabuli_Chr02	NC_021161.1	21303406	TT	CC	CC	INTERGENIC		
SNP_7947B_21303416	Ca_Kabuli_Chr02	NC_021161.1	21303416	TT	GG	GG	INTERGENIC		
SNP_7948B_21303447	Ca_Kabuli_Chr02	NC_021161.1	21303447	CC	TT	TT	INTERGENIC		
SNP_7949B_21303468	Ca_Kabuli_Chr02	NC_021161.1	21303468	CC	TT	TT	INTERGENIC		
SNP_7950B_21303504	Ca_Kabuli_Chr02	NC_021161.1	21303504	AA	GG	GG	INTERGENIC		
SNP_7951B_21303507	Ca_Kabuli_Chr02	NC_021161.1	21303507	CC	TT	TT	INTERGENIC		
SNP_7952B_21303510	Ca_Kabuli_Chr02	NC_021161.1	21303510	GG	AA	AA	INTERGENIC		
SNP_7953B_21303611	Ca_Kabuli_Chr02	NC_021161.1	21303611	TT	CC	CC	INTERGENIC		
SNP_7954B_21303710	Ca_Kabuli_Chr02	NC_021161.1	21303710	GG	AA	AA	INTERGENIC		
SNP_7955B_21303865	Ca_Kabuli_Chr02	NC_021161.1	21303865	GG	AA	AA	INTERGENIC		
SNP_7956B_21305085	Ca_Kabuli_Chr02	NC_021161.1	21305085	GG	AA	AA	INTERGENIC		
SNP_7957B_21305115	Ca_Kabuli_Chr02	NC_021161.1	21305115	TT	AA	AA	INTERGENIC		
SNP_7958B_21305146	Ca_Kabuli_Chr02	NC_021161.1	21305146	GG	AA	AA	INTERGENIC		
SNP_7959B_21305156	Ca_Kabuli_Chr02	NC_021161.1	21305156	GG	AA	AA	INTERGENIC		
SNP_7960B_21305159	Ca_Kabuli_Chr02	NC_021161.1	21305159	CC	TT	TT	INTERGENIC		
SNP_7961B_21305163	Ca_Kabuli_Chr02	NC_021161.1	21305163	AA	GG	GG	INTERGENIC		
SNP_7962B_21305174	Ca_Kabuli_Chr02	NC_021161.1	21305174	AA	GG	GG	INTERGENIC		
SNP_7964B_21308765	Ca_Kabuli_Chr02	NC_021161.1	21308765	TT	GG	GG	INTERGENIC		
SNP_7965B_21308797	Ca_Kabuli_Chr02	NC_021161.1	21308797	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7966B_21308948	Ca_Kabuli_Chr02	NC_021161.1	21308948	CC	TT	TT	INTERGENIC		
SNP_7967B_21309174	Ca_Kabuli_Chr02	NC_021161.1	21309174	AA	TT	TT	INTERGENIC		
SNP_7968B_21309198	Ca_Kabuli_Chr02	NC_021161.1	21309198	AA	CC	CC	INTERGENIC		
SNP_7969B_21309378	Ca_Kabuli_Chr02	NC_021161.1	21309378	CC	AA	AA	INTERGENIC		
SNP_7970B_21309429	Ca_Kabuli_Chr02	NC_021161.1	21309429	AA	TT	TT	INTERGENIC		
SNP_7971B_21309512	Ca_Kabuli_Chr02	NC_021161.1	21309512	TT	CC	CC	INTERGENIC		
SNP_7972B_21309613	Ca_Kabuli_Chr02	NC_021161.1	21309613	AA	GG	GG	INTERGENIC		
SNP_7973B_21309658	Ca_Kabuli_Chr02	NC_021161.1	21309658	AA	GG	GG	INTERGENIC		
SNP_7974B_21309735	Ca_Kabuli_Chr02	NC_021161.1	21309735	TT	CC	CC	INTERGENIC		
SNP_7975B_21310017	Ca_Kabuli_Chr02	NC_021161.1	21310017	CC	TT	TT	INTERGENIC		
SNP_7976B_21310027	Ca_Kabuli_Chr02	NC_021161.1	21310027	TT	CC	CC	INTERGENIC		
SNP_7977B_21310041	Ca_Kabuli_Chr02	NC_021161.1	21310041	TT	CC	CC	INTERGENIC		
SNP_7978B_21310066	Ca_Kabuli_Chr02	NC_021161.1	21310066	GG	AA	AA	INTERGENIC		
SNP_7979B_21310624	Ca_Kabuli_Chr02	NC_021161.1	21310624	TT	AA	AA	INTERGENIC		
SNP_7980B_21310638	Ca_Kabuli_Chr02	NC_021161.1	21310638	CC	TT	TT	INTERGENIC		
SNP_7981B_21312134	Ca_Kabuli_Chr02	NC_021161.1	21312134	GG	AA	AA	INTERGENIC		
SNP_7982B_21313901	Ca_Kabuli_Chr02	NC_021161.1	21313901	TT	CC	CC	INTERGENIC		
SNP_7983B_21314076	Ca_Kabuli_Chr02	NC_021161.1	21314076	GG	CC	CC	INTERGENIC		
SNP_7985B_21314644	Ca_Kabuli_Chr02	NC_021161.1	21314644	TT	GG	GG	INTERGENIC		
SNP_7986B_21314952	Ca_Kabuli_Chr02	NC_021161.1	21314952	AA	TT	TT	INTERGENIC		
SNP_7987B_21314992	Ca_Kabuli_Chr02	NC_021161.1	21314992	AA	TT	TT	INTERGENIC		
SNP_7988B_21315061	Ca_Kabuli_Chr02	NC_021161.1	21315061	AA	TT	TT	INTERGENIC		
SNP_7989B_21315322	Ca_Kabuli_Chr02	NC_021161.1	21315322	AA	GG	GG	INTERGENIC		
SNP_7990B_21315386	Ca_Kabuli_Chr02	NC_021161.1	21315386	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_7991B_21317521	Ca_Kabuli_Chr02	NC_021161.1	21317521	AA	GG	GG	INTERGENIC		
SNP_7992B_21318214	Ca_Kabuli_Chr02	NC_021161.1	21318214	TT	CC	CC	INTERGENIC		
SNP_7993B_21318506	Ca_Kabuli_Chr02	NC_021161.1	21318506	TT	GG	GG	INTERGENIC		
SNP_7994B_21318936	Ca_Kabuli_Chr02	NC_021161.1	21318936	TT	AA	AA	INTERGENIC		
SNP_7995B_21319310	Ca_Kabuli_Chr02	NC_021161.1	21319310	CC	AA	AA	INTERGENIC		
SNP_7996B_21321583	Ca_Kabuli_Chr02	NC_021161.1	21321583	GG	AA	AA	INTERGENIC		
SNP_7997B_21524332	Ca_Kabuli_Chr02	NC_021161.1	21524332	CC	GG	GG	INTERGENIC		
SNP_7998B_21524427	Ca_Kabuli_Chr02	NC_021161.1	21524427	TT	GG	GG	INTERGENIC		
SNP_7999B_21536027	Ca_Kabuli_Chr02	NC_021161.1	21536027	GG	AA	AA	INTERGENIC		
SNP_8000B_21536342	Ca_Kabuli_Chr02	NC_021161.1	21536342	TT	CC	CC	INTERGENIC		
SNP_8001B_21536461	Ca_Kabuli_Chr02	NC_021161.1	21536461	AA	GG	GG	INTERGENIC		
SNP_8002B_21536526	Ca_Kabuli_Chr02	NC_021161.1	21536526	AA	GG	GG	INTERGENIC		
SNP_8003B_21537510	Ca_Kabuli_Chr02	NC_021161.1	21537510	CC	TT	TT	INTERGENIC		
SNP_8004B_21537511	Ca_Kabuli_Chr02	NC_021161.1	21537511	TT	CC	CC	INTERGENIC		
SNP_8005B_21537513	Ca_Kabuli_Chr02	NC_021161.1	21537513	CC	TT	TT	INTERGENIC		
SNP_8006B_21537517	Ca_Kabuli_Chr02	NC_021161.1	21537517	GG	AA	AA	INTERGENIC		
SNP_8007B_21537521	Ca_Kabuli_Chr02	NC_021161.1	21537521	CC	TT	TT	INTERGENIC		
SNP_8008B_21537524	Ca_Kabuli_Chr02	NC_021161.1	21537524	TT	GG	GG	INTERGENIC		
SNP_8009B_21537922	Ca_Kabuli_Chr02	NC_021161.1	21537922	AA	TT	TT	INTERGENIC		
SNP_8010B_21537944	Ca_Kabuli_Chr02	NC_021161.1	21537944	AA	GG	GG	INTERGENIC		
SNP_8011B_21538258	Ca_Kabuli_Chr02	NC_021161.1	21538258	TT	CC	CC	INTERGENIC		
SNP_8012B_21538462	Ca_Kabuli_Chr02	NC_021161.1	21538462	AA	GG	GG	INTERGENIC		
SNP_8013B_21538652	Ca_Kabuli_Chr02	NC_021161.1	21538652	AA	GG	GG	INTERGENIC		
SNP_8015B_21675194	Ca_Kabuli_Chr02	NC_021161.1	21675194	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_8016B_21684599	Ca_Kabuli_Chr02	NC_021161.1	21684599	GG	AA	AA	INTERGENIC		
SNP_8019B_21767611	Ca_Kabuli_Chr02	NC_021161.1	21767611	CC	TT	TT	INTRON	101489245	ribosomal RNA processing protein 36 homolog
SNP_8020B_21767641	Ca_Kabuli_Chr02	NC_021161.1	21767641	TT	AA	AA	NON_SYNONYMOUS_CODING	101489245	ribosomal RNA processing protein 36 homolog
SNP_8021B_21774772	Ca_Kabuli_Chr02	NC_021161.1	21774772	AA	GG	GG	INTERGENIC		
SNP_8022B_21774779	Ca_Kabuli_Chr02	NC_021161.1	21774779	CC	TT	TT	INTERGENIC		
SNP_8023B_21784068	Ca_Kabuli_Chr02	NC_021161.1	21784068	TT	CC	CC	INTERGENIC		
SNP_8024B_21902467	Ca_Kabuli_Chr02	NC_021161.1	21902467	TT	CC	AA	INTERGENIC		
SNP_8025B_21902569	Ca_Kabuli_Chr02	NC_021161.1	21902569	GG	AA	AA	INTERGENIC		
SNP_8026B_21902833	Ca_Kabuli_Chr02	NC_021161.1	21902833	AA	GG	GG	INTERGENIC		
SNP_8027B_21902887	Ca_Kabuli_Chr02	NC_021161.1	21902887	AA	GG	GG	INTERGENIC		
SNP_8028B_21902926	Ca_Kabuli_Chr02	NC_021161.1	21902926	TT	CC	CC	INTERGENIC		
SNP_8029B_21928409	Ca_Kabuli_Chr02	NC_021161.1	21928409	AA	CC	CC	INTERGENIC		
SNP_8030B_21928424	Ca_Kabuli_Chr02	NC_021161.1	21928424	AA	CC	CC	INTERGENIC		
SNP_8031B_21943761	Ca_Kabuli_Chr02	NC_021161.1	21943761	AA	GG	GG	URR	101493697	proline-rich receptor-like protein kinase PERK10
SNP_8032B_21956077	Ca_Kabuli_Chr02	NC_021161.1	21956077	TT	CC	CC	INTERGENIC		
SNP_8033B_21956120	Ca_Kabuli_Chr02	NC_021161.1	21956120	TT	CC	CC	INTERGENIC		
SNP_8034B_21956372	Ca_Kabuli_Chr02	NC_021161.1	21956372	CC	AA	AA	INTERGENIC		
SNP_8035B_21956384	Ca_Kabuli_Chr02	NC_021161.1	21956384	TT	AA	AA	INTERGENIC		
SNP_8036B_21956415	Ca_Kabuli_Chr02	NC_021161.1	21956415	CC	AA	AA	INTERGENIC		
SNP_8037B_21960131	Ca_Kabuli_Chr02	NC_021161.1	21960131	GG	AA	AA	INTERGENIC		
SNP_8038B_21999067	Ca_Kabuli_Chr02	NC_021161.1	21999067	GG	AA	AA	INTRON	101494329	uncharacterized LOC101494329
SNP_8039B_21999072	Ca_Kabuli_Chr02	NC_021161.1	21999072	CC	TT	TT	INTRON	101494329	uncharacterized LOC101494329
SNP_8040B_21999324	Ca_Kabuli_Chr02	NC_021161.1	21999324	GG	AA	AA	INTRON	101494329	uncharacterized LOC101494329
SNP_8041B_21999325	Ca_Kabuli_Chr02	NC_021161.1	21999325	TT	CC	CC	INTRON	101494329	uncharacterized LOC101494329

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_8042B_21999343	Ca_Kabuli_Chr02	NC_021161.1	21999343	TT	AA	AA	INTRON	101494329	uncharacterized LOC101494329
SNP_8043B_22065261	Ca_Kabuli_Chr02	NC_021161.1	22065261	GG	AA	AA	INTERGENIC		
SNP_8044B_22065308	Ca_Kabuli_Chr02	NC_021161.1	22065308	GG	CC	CC	INTERGENIC		
SNP_8045B_22068088	Ca_Kabuli_Chr02	NC_021161.1	22068088	CC	TT	TT	INTERGENIC		
SNP_8046B_22111422	Ca_Kabuli_Chr02	NC_021161.1	22111422	GG	TT	TT	INTERGENIC		
SNP_8047B_22195346	Ca_Kabuli_Chr02	NC_021161.1	22195346	AA	GG	GG	INTERGENIC		
SNP_8048B_22196671	Ca_Kabuli_Chr02	NC_021161.1	22196671	TT	AA	AA	INTERGENIC		
SNP_8049B_22202179	Ca_Kabuli_Chr02	NC_021161.1	22202179	AA	GG	GG	INTERGENIC		
SNP_8050B_22202206	Ca_Kabuli_Chr02	NC_021161.1	22202206	GG	AA	AA	INTERGENIC		
SNP_8051B_22202207	Ca_Kabuli_Chr02	NC_021161.1	22202207	CC	AA	AA	INTERGENIC		
SNP_8052B_22202209	Ca_Kabuli_Chr02	NC_021161.1	22202209	TT	GG	GG	INTERGENIC		
SNP_8053B_22202215	Ca_Kabuli_Chr02	NC_021161.1	22202215	CC	GG	GG	INTERGENIC		
SNP_8054B_22202230	Ca_Kabuli_Chr02	NC_021161.1	22202230	CC	TT	TT	INTERGENIC		
SNP_8055B_22202240	Ca_Kabuli_Chr02	NC_021161.1	22202240	TT	GG	GG	INTERGENIC		
SNP_8056B_22202518	Ca_Kabuli_Chr02	NC_021161.1	22202518	GG	TT	TT	INTERGENIC		
SNP_8057B_22202550	Ca_Kabuli_Chr02	NC_021161.1	22202550	CC	TT	TT	INTERGENIC		
SNP_8058B_22202596	Ca_Kabuli_Chr02	NC_021161.1	22202596	CC	TT	TT	INTERGENIC		
SNP_8059B_22204612	Ca_Kabuli_Chr02	NC_021161.1	22204612	GG	AA	AA	INTERGENIC		
SNP_8060B_22284811	Ca_Kabuli_Chr02	NC_021161.1	22284811	AA	GG	GG	INTERGENIC		
SNP_8061B_22284879	Ca_Kabuli_Chr02	NC_021161.1	22284879	CC	TT	TT	INTERGENIC		
SNP_8062B_22285071	Ca_Kabuli_Chr02	NC_021161.1	22285071	AA	GG	GG	INTERGENIC		
SNP_8063B_22285324	Ca_Kabuli_Chr02	NC_021161.1	22285324	AA	CC	CC	INTERGENIC		
SNP_8064B_22285352	Ca_Kabuli_Chr02	NC_021161.1	22285352	AA	GG	GG	INTERGENIC		
SNP_8065B_22331987	Ca_Kabuli_Chr02	NC_021161.1	22331987	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_8066B_22359602	Ca_Kabuli_Chr02	NC_021161.1	22359602	GG	CC	CC	INTERGENIC		
SNP_8067B_22451474	Ca_Kabuli_Chr02	NC_021161.1	22451474	CC	TT	TT	INTERGENIC		
SNP_8068B_22455625	Ca_Kabuli_Chr02	NC_021161.1	22455625	CC	TT	TT	INTERGENIC		
SNP_8069B_22455658	Ca_Kabuli_Chr02	NC_021161.1	22455658	TT	CC	CC	INTERGENIC		
SNP_8070B_22456780	Ca_Kabuli_Chr02	NC_021161.1	22456780	AA	GG	GG	INTERGENIC		
SNP_8071B_22456800	Ca_Kabuli_Chr02	NC_021161.1	22456800	GG	CC	CC	INTERGENIC		
SNP_8073B_22482091	Ca_Kabuli_Chr02	NC_021161.1	22482091	AA	GG	GG	INTERGENIC		
SNP_8074B_22482461	Ca_Kabuli_Chr02	NC_021161.1	22482461	TT	GG	GG	INTERGENIC		
SNP_8075B_22482510	Ca_Kabuli_Chr02	NC_021161.1	22482510	TT	CC	CC	INTERGENIC		
SNP_8076B_22482511	Ca_Kabuli_Chr02	NC_021161.1	22482511	GG	AA	AA	INTERGENIC		
SNP_8077B_22482541	Ca_Kabuli_Chr02	NC_021161.1	22482541	TT	GG	GG	INTERGENIC		
SNP_8078B_22482559	Ca_Kabuli_Chr02	NC_021161.1	22482559	CC	AA	AA	INTERGENIC		
SNP_8079B_22482563	Ca_Kabuli_Chr02	NC_021161.1	22482563	TT	AA	AA	INTERGENIC		
SNP_8080B_22482569	Ca_Kabuli_Chr02	NC_021161.1	22482569	TT	CC	CC	INTERGENIC		
SNP_8081B_22482573	Ca_Kabuli_Chr02	NC_021161.1	22482573	GG	AA	AA	INTERGENIC		
SNP_8082B_22482592	Ca_Kabuli_Chr02	NC_021161.1	22482592	TT	GG	GG	INTERGENIC		
SNP_8083B_22482884	Ca_Kabuli_Chr02	NC_021161.1	22482884	TT	GG	GG	INTERGENIC		
SNP_8084B_22482889	Ca_Kabuli_Chr02	NC_021161.1	22482889	TT	CC	CC	INTERGENIC		
SNP_8086B_22579529	Ca_Kabuli_Chr02	NC_021161.1	22579529	TT	AA	AA	INTERGENIC		
SNP_8087B_22585041	Ca_Kabuli_Chr02	NC_021161.1	22585041	CC	AA	AA	INTERGENIC		
SNP_8088B_22585057	Ca_Kabuli_Chr02	NC_021161.1	22585057	TT	CC	CC	INTERGENIC		
SNP_8089B_22585356	Ca_Kabuli_Chr02	NC_021161.1	22585356	AA	GG	GG	INTERGENIC		
SNP_8090B_22585358	Ca_Kabuli_Chr02	NC_021161.1	22585358	AA	GG	GG	INTERGENIC		
SNP_8091B_22585363	Ca_Kabuli_Chr02	NC_021161.1	22585363	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_8092B_22585398	Ca_Kabuli_Chr02	NC_021161.1	22585398	AA	GG	GG	INTERGENIC		
SNP_8093B_22590652	Ca_Kabuli_Chr02	NC_021161.1	22590652	TT	CC	CC	INTERGENIC		
SNP_8094B_22643815	Ca_Kabuli_Chr02	NC_021161.1	22643815	TT	AA	AA	INTERGENIC		
SNP_8095B_22643824	Ca_Kabuli_Chr02	NC_021161.1	22643824	TT	AA	AA	INTERGENIC		
SNP_8096B_22643851	Ca_Kabuli_Chr02	NC_021161.1	22643851	AA	GG	GG	INTERGENIC		
SNP_8097B_22643995	Ca_Kabuli_Chr02	NC_021161.1	22643995	TT	CC	CC	INTERGENIC		
SNP_8098B_22643998	Ca_Kabuli_Chr02	NC_021161.1	22643998	TT	CC	CC	INTERGENIC		
SNP_8099B_22644007	Ca_Kabuli_Chr02	NC_021161.1	22644007	AA	TT	TT	INTERGENIC		
SNP_8100B_22644177	Ca_Kabuli_Chr02	NC_021161.1	22644177	AA	GG	GG	INTERGENIC		
SNP_8101B_22644231	Ca_Kabuli_Chr02	NC_021161.1	22644231	AA	GG	GG	INTERGENIC		
SNP_8102B_22644238	Ca_Kabuli_Chr02	NC_021161.1	22644238	TT	GG	GG	INTERGENIC		
SNP_8103B_22644358	Ca_Kabuli_Chr02	NC_021161.1	22644358	CC	TT	TT	INTERGENIC		
SNP_8104B_22644374	Ca_Kabuli_Chr02	NC_021161.1	22644374	TT	CC	CC	INTERGENIC		
SNP_8105B_22644407	Ca_Kabuli_Chr02	NC_021161.1	22644407	TT	AA	AA	INTERGENIC		
SNP_8106B_22644431	Ca_Kabuli_Chr02	NC_021161.1	22644431	AA	GG	GG	INTERGENIC		
SNP_8107B_22650562	Ca_Kabuli_Chr02	NC_021161.1	22650562	CC	TT	TT	INTERGENIC		
SNP_8108B_22650687	Ca_Kabuli_Chr02	NC_021161.1	22650687	AA	GG	GG	INTERGENIC		
SNP_8109B_22650798	Ca_Kabuli_Chr02	NC_021161.1	22650798	AA	GG	GG	INTERGENIC		
SNP_8110B_22650848	Ca_Kabuli_Chr02	NC_021161.1	22650848	CC	TT	TT	INTERGENIC		
SNP_8111B_22651501	Ca_Kabuli_Chr02	NC_021161.1	22651501	CC	AA	AA	INTERGENIC		
SNP_8112B_22651843	Ca_Kabuli_Chr02	NC_021161.1	22651843	TT	CC	CC	INTERGENIC		
SNP_8113B_22651968	Ca_Kabuli_Chr02	NC_021161.1	22651968	TT	GG	GG	INTERGENIC		
SNP_8114B_22651977	Ca_Kabuli_Chr02	NC_021161.1	22651977	AA	CC	CC	INTERGENIC		
SNP_8115B_22652010	Ca_Kabuli_Chr02	NC_021161.1	22652010	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_8116B_22667431	Ca_Kabuli_Chr02	NC_021161.1	22667431	CC	TT	TT	INTERGENIC		
SNP_8117B_22667693	Ca_Kabuli_Chr02	NC_021161.1	22667693	TT	AA	AA	INTERGENIC		
SNP_8118B_22667696	Ca_Kabuli_Chr02	NC_021161.1	22667696	TT	CC	CC	INTERGENIC		
SNP_8119B_22667707	Ca_Kabuli_Chr02	NC_021161.1	22667707	GG	TT	TT	INTERGENIC		
SNP_8120B_22667756	Ca_Kabuli_Chr02	NC_021161.1	22667756	TT	CC	CC	INTERGENIC		
SNP_8121B_22668068	Ca_Kabuli_Chr02	NC_021161.1	22668068	TT	CC	CC	INTERGENIC		
SNP_8122B_22749317	Ca_Kabuli_Chr02	NC_021161.1	22749317	GG	AA	AA	NON_SYNONYMOUS_CODING	101489154	Unknown function
SNP_8123B_22749340	Ca_Kabuli_Chr02	NC_021161.1	22749340	GG	AA	AA	NON_SYNONYMOUS_CODING	101489154	Unknown function
SNP_8124B_22749381	Ca_Kabuli_Chr02	NC_021161.1	22749381	AA	GG	GG	SYNONYMOUS_CODING	101489154	Unknown function
SNP_8125B_22749410	Ca_Kabuli_Chr02	NC_021161.1	22749410	TT	CC	CC	NON_SYNONYMOUS_CODING	101489154	Unknown function
SNP_8126B_22749428	Ca_Kabuli_Chr02	NC_021161.1	22749428	GG	AA	AA	NON_SYNONYMOUS_CODING	101489154	Unknown function
SNP_8127B_22749453	Ca_Kabuli_Chr02	NC_021161.1	22749453	TT	GG	GG	NON_SYNONYMOUS_CODING	101489154	Unknown function
SNP_8128B_22749469	Ca_Kabuli_Chr02	NC_021161.1	22749469	TT	GG	GG	NON_SYNONYMOUS_CODING	101489154	Unknown function
SNP_8129B_22749528	Ca_Kabuli_Chr02	NC_021161.1	22749528	GG	AA	AA	SYNONYMOUS_CODING	101489154	Unknown function
SNP_8130B_22749566	Ca_Kabuli_Chr02	NC_021161.1	22749566	TT	AA	AA	INTRON	101489154	Unknown function
SNP_8131B_22749568	Ca_Kabuli_Chr02	NC_021161.1	22749568	GG	AA	AA	INTRON	101489154	Unknown function
SNP_8132B_22749984	Ca_Kabuli_Chr02	NC_021161.1	22749984	AA	GG	GG	SYNONYMOUS_CODING	101489154	Unknown function
SNP_8133B_22750344	Ca_Kabuli_Chr02	NC_021161.1	22750344	GG	AA	AA	URR	101489154	Unknown function
SNP_8134B_22750367	Ca_Kabuli_Chr02	NC_021161.1	22750367	CC	TT	TT	URR	101489154	Unknown function
SNP_8135B_22750462	Ca_Kabuli_Chr02	NC_021161.1	22750462	AA	GG	GG	URR	101489154	Unknown function
SNP_8136B_22750493	Ca_Kabuli_Chr02	NC_021161.1	22750493	AA	GG	GG	URR	101489154	Unknown function
SNP_8137B_22755943	Ca_Kabuli_Chr02	NC_021161.1	22755943	TT	AA	AA	URR	101489483	Unknown function
SNP_8138B_22778081	Ca_Kabuli_Chr02	NC_021161.1	22778081	AA	GG	GG	INTERGENIC		
SNP_8139B_22778472	Ca_Kabuli_Chr02	NC_021161.1	22778472	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_8140B_22779399	Ca_Kabuli_Chr02	NC_021161.1	22779399	TT	CC	CC	INTERGENIC		
SNP_8141B_22779420	Ca_Kabuli_Chr02	NC_021161.1	22779420	GG	AA	AA	INTERGENIC		
SNP_8142B_22779960	Ca_Kabuli_Chr02	NC_021161.1	22779960	AA	TT	TT	INTERGENIC		
SNP_8143B_22782712	Ca_Kabuli_Chr02	NC_021161.1	22782712	TT	AA	AA	INTERGENIC		
SNP_8144B_22812381	Ca_Kabuli_Chr02	NC_021161.1	22812381	TT	CC	CC	INTERGENIC		
SNP_8145B_22812698	Ca_Kabuli_Chr02	NC_021161.1	22812698	GG	AA	AA	INTERGENIC		
SNP_8146B_22812705	Ca_Kabuli_Chr02	NC_021161.1	22812705	CC	AA	AA	INTERGENIC		
SNP_8147B_22828319	Ca_Kabuli_Chr02	NC_021161.1	22828319	CC	TT	TT	INTERGENIC		
SNP_8148B_23041249	Ca_Kabuli_Chr02	NC_021161.1	23041249	GG	AA	AA	INTERGENIC		
SNP_8149B_23041316	Ca_Kabuli_Chr02	NC_021161.1	23041316	AA	TT	TT	INTERGENIC		
SNP_8150B_23041325	Ca_Kabuli_Chr02	NC_021161.1	23041325	AA	GG	GG	INTERGENIC		
SNP_8151B_23041337	Ca_Kabuli_Chr02	NC_021161.1	23041337	CC	TT	TT	INTERGENIC		
SNP_8152B_23041703	Ca_Kabuli_Chr02	NC_021161.1	23041703	GG	AA	AA	INTERGENIC		
SNP_8154B_23067699	Ca_Kabuli_Chr02	NC_021161.1	23067699	CC	TT	TT	INTERGENIC		
SNP_8155B_23067708	Ca_Kabuli_Chr02	NC_021161.1	23067708	AA	TT	TT	INTERGENIC		
SNP_8156B_23068006	Ca_Kabuli_Chr02	NC_021161.1	23068006	TT	CC	CC	INTERGENIC		
SNP_8157B_23155532	Ca_Kabuli_Chr02	NC_021161.1	23155532	AA	GG	GG	INTERGENIC		
SNP_8158B_23155564	Ca_Kabuli_Chr02	NC_021161.1	23155564	GG	TT	TT	INTERGENIC		
SNP_8159B_23155573	Ca_Kabuli_Chr02	NC_021161.1	23155573	AA	TT	TT	INTERGENIC		
SNP_8160B_23155919	Ca_Kabuli_Chr02	NC_021161.1	23155919	CC	TT	TT	INTERGENIC		
SNP_8161B_23192851	Ca_Kabuli_Chr02	NC_021161.1	23192851	TT	CC	CC	INTERGENIC		
SNP_8162B_23192858	Ca_Kabuli_Chr02	NC_021161.1	23192858	TT	CC	CC	INTERGENIC		
SNP_8163B_23192976	Ca_Kabuli_Chr02	NC_021161.1	23192976	AA	GG	GG	INTERGENIC		
SNP_8164B_23193015	Ca_Kabuli_Chr02	NC_021161.1	23193015	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_8165B_23193053	Ca_Kabuli_Chr02	NC_021161.1	23193053	TT	AA	AA	INTERGENIC		
SNP_8167B_23199868	Ca_Kabuli_Chr02	NC_021161.1	23199868	GG	CC	CC	INTERGENIC		
SNP_8168B_23362429	Ca_Kabuli_Chr02	NC_021161.1	23362429	AA	GG	GG	INTERGENIC		
SNP_8169B_23362644	Ca_Kabuli_Chr02	NC_021161.1	23362644	CC	GG	GG	INTERGENIC		
SNP_8170B_23371303	Ca_Kabuli_Chr02	NC_021161.1	23371303	GG	CC	CC	INTERGENIC		
SNP_8171B_23400975	Ca_Kabuli_Chr02	NC_021161.1	23400975	GG	AA	AA	INTERGENIC		
SNP_8173B_23544950	Ca_Kabuli_Chr02	NC_021161.1	23544950	TT	CC	CC	INTERGENIC		
SNP_8174B_23545017	Ca_Kabuli_Chr02	NC_021161.1	23545017	TT	CC	CC	INTERGENIC		
SNP_8175B_23545023	Ca_Kabuli_Chr02	NC_021161.1	23545023	AA	GG	GG	INTERGENIC		
SNP_8176B_23545059	Ca_Kabuli_Chr02	NC_021161.1	23545059	TT	AA	AA	INTERGENIC		
SNP_8177B_23545121	Ca_Kabuli_Chr02	NC_021161.1	23545121	AA	CC	CC	INTERGENIC		
SNP_8178B_23545134	Ca_Kabuli_Chr02	NC_021161.1	23545134	TT	CC	CC	INTERGENIC		
SNP_8179B_23545143	Ca_Kabuli_Chr02	NC_021161.1	23545143	AA	CC	CC	INTERGENIC		
SNP_8180B_23545147	Ca_Kabuli_Chr02	NC_021161.1	23545147	GG	AA	AA	INTERGENIC		
SNP_8181B_23547629	Ca_Kabuli_Chr02	NC_021161.1	23547629	AA	TT	TT	INTERGENIC		
SNP_8182B_23624316	Ca_Kabuli_Chr02	NC_021161.1	23624316	GG	AA	AA	INTERGENIC		
SNP_8183B_23624340	Ca_Kabuli_Chr02	NC_021161.1	23624340	TT	AA	AA	INTERGENIC		
SNP_8184B_23624347	Ca_Kabuli_Chr02	NC_021161.1	23624347	GG	TT	TT	INTERGENIC		
SNP_8185B_23624352	Ca_Kabuli_Chr02	NC_021161.1	23624352	CC	TT	TT	INTERGENIC		
SNP_8186B_23624369	Ca_Kabuli_Chr02	NC_021161.1	23624369	TT	AA	AA	INTERGENIC		
SNP_8187B_23624373	Ca_Kabuli_Chr02	NC_021161.1	23624373	TT	GG	GG	INTERGENIC		
SNP_8188B_23624376	Ca_Kabuli_Chr02	NC_021161.1	23624376	AA	GG	GG	INTERGENIC		
SNP_8189B_23624385	Ca_Kabuli_Chr02	NC_021161.1	23624385	AA	GG	GG	INTERGENIC		
SNP_8190B_23624388	Ca_Kabuli_Chr02	NC_021161.1	23624388	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_8191B_23624393	Ca_Kabuli_Chr02	NC_021161.1	23624393	AA	GG	GG	INTERGENIC		
SNP_8192B_23624400	Ca_Kabuli_Chr02	NC_021161.1	23624400	TT	CC	CC	INTERGENIC		
SNP_8193B_23624409	Ca_Kabuli_Chr02	NC_021161.1	23624409	AA	GG	GG	INTERGENIC		
SNP_8194B_23624519	Ca_Kabuli_Chr02	NC_021161.1	23624519	AA	TT	TT	INTERGENIC		
SNP_8195B_23624536	Ca_Kabuli_Chr02	NC_021161.1	23624536	CC	TT	TT	INTERGENIC		
SNP_8196B_23624570	Ca_Kabuli_Chr02	NC_021161.1	23624570	GG	AA	AA	INTERGENIC		
SNP_8197B_23627204	Ca_Kabuli_Chr02	NC_021161.1	23627204	TT	CC	CC	INTERGENIC		
SNP_8198B_23627241	Ca_Kabuli_Chr02	NC_021161.1	23627241	AA	CC	CC	INTERGENIC		
SNP_8199B_23627538	Ca_Kabuli_Chr02	NC_021161.1	23627538	AA	GG	GG	INTERGENIC		
SNP_8200B_23753103	Ca_Kabuli_Chr02	NC_021161.1	23753103	CC	TT	TT	INTRON	101511184	U3 small nucleolar RNA-associated protein 25
SNP_8201B_23760728	Ca_Kabuli_Chr02	NC_021161.1	23760728	AA	GG	TT	INTERGENIC		
SNP_8202B_23760738	Ca_Kabuli_Chr02	NC_021161.1	23760738	CC	TT	TT	INTERGENIC		
SNP_8203B_23766083	Ca_Kabuli_Chr02	NC_021161.1	23766083	CC	TT	TT	INTERGENIC		
SNP_8204B_23766120	Ca_Kabuli_Chr02	NC_021161.1	23766120	AA	TT	TT	INTERGENIC		
SNP_8205B_23766130	Ca_Kabuli_Chr02	NC_021161.1	23766130	AA	CC	CC	INTERGENIC		
SNP_8206B_23766199	Ca_Kabuli_Chr02	NC_021161.1	23766199	CC	AA	AA	INTERGENIC		
SNP_8207B_23794272	Ca_Kabuli_Chr02	NC_021161.1	23794272	TT	CC	CC	INTERGENIC		
SNP_8208B_23845451	Ca_Kabuli_Chr02	NC_021161.1	23845451	GG	TT	TT	INTERGENIC		
SNP_8209B_23910913	Ca_Kabuli_Chr02	NC_021161.1	23910913	CC	AA	AA	NON_SYNONYMOUS_CODING	101512687	tripeptidyl-peptidase 2-like
SNP_8210B_23911358	Ca_Kabuli_Chr02	NC_021161.1	23911358	CC	TT	TT	INTRON	101512687	tripeptidyl-peptidase 2-like
SNP_8211B_23912417	Ca_Kabuli_Chr02	NC_021161.1	23912417	TT	CC	CC	INTRON	101512687	tripeptidyl-peptidase 2-like
SNP_8212B_23912432	Ca_Kabuli_Chr02	NC_021161.1	23912432	CC	TT	TT	INTRON	101512687	tripeptidyl-peptidase 2-like
SNP_8213B_23925718	Ca_Kabuli_Chr02	NC_021161.1	23925718	AA	CC	CC	INTRON	101512687	tripeptidyl-peptidase 2-like
SNP_8214B_23925725	Ca_Kabuli_Chr02	NC_021161.1	23925725	CC	TT	TT	INTRON	101512687	tripeptidyl-peptidase 2-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_8215B_23926393	Ca_Kabuli_Chr02	NC_021161.1	23926393	GG	AA	AA	INTRON	101512687	tripeptidyl-peptidase 2-like
SNP_8216B_23926501	Ca_Kabuli_Chr02	NC_021161.1	23926501	GG	CC	CC	INTRON	101512687	tripeptidyl-peptidase 2-like
SNP_8217B_23926521	Ca_Kabuli_Chr02	NC_021161.1	23926521	GG	AA	AA	INTRON	101512687	tripeptidyl-peptidase 2-like
SNP_8218B_23926543	Ca_Kabuli_Chr02	NC_021161.1	23926543	AA	TT	TT	INTRON	101512687	tripeptidyl-peptidase 2-like
SNP_8219B_23926769	Ca_Kabuli_Chr02	NC_021161.1	23926769	AA	GG	GG	INTRON	101512687	tripeptidyl-peptidase 2-like
SNP_8220B_23926813	Ca_Kabuli_Chr02	NC_021161.1	23926813	TT	GG	GG	INTRON	101512687	tripeptidyl-peptidase 2-like
SNP_8221B_23926996	Ca_Kabuli_Chr02	NC_021161.1	23926996	GG	CC	CC	SYNONYMOUS_CODING	101512687	tripeptidyl-peptidase 2-like
SNP_8222B_23927105	Ca_Kabuli_Chr02	NC_021161.1	23927105	AA	GG	GG	INTERGENIC		
SNP_8223B_23927240	Ca_Kabuli_Chr02	NC_021161.1	23927240	GG	AA	AA	URR	101512687	tripeptidyl-peptidase 2-like
SNP_8224B_23931668	Ca_Kabuli_Chr02	NC_021161.1	23931668	GG	AA	AA	INTERGENIC		
SNP_8225B_23932205	Ca_Kabuli_Chr02	NC_021161.1	23932205	TT	GG	GG	INTERGENIC		
SNP_8227B_23933608	Ca_Kabuli_Chr02	NC_021161.1	23933608	GG	CC	CC	INTRON	id34973	Unknown function
SNP_8228B_23934055	Ca_Kabuli_Chr02	NC_021161.1	23934055	CC	GG	GG	URR	101513227	Unknown function
SNP_8229B_23934184	Ca_Kabuli_Chr02	NC_021161.1	23934184	AA	GG	GG	URR	101513227	Unknown function
SNP_8230B_23934307	Ca_Kabuli_Chr02	NC_021161.1	23934307	TT	CC	CC	URR	101513227	Unknown function
SNP_8233B_24047683	Ca_Kabuli_Chr02	NC_021161.1	24047683	CC	AA	AA	DRR	101496488	Unknown function
SNP_8234B_24104241	Ca_Kabuli_Chr02	NC_021161.1	24104241	AA	GG	GG	URR	101498008	transmembrane protein 87A
SNP_8235B_24150698	Ca_Kabuli_Chr02	NC_021161.1	24150698	TT	CC	CC	INTERGENIC		
SNP_8236B_24151165	Ca_Kabuli_Chr02	NC_021161.1	24151165	TT	CC	CC	INTERGENIC		
SNP_8237B_24151209	Ca_Kabuli_Chr02	NC_021161.1	24151209	CC	TT	TT	INTERGENIC		
SNP_8238B_24151257	Ca_Kabuli_Chr02	NC_021161.1	24151257	GG	AA	AA	INTERGENIC		
SNP_8239B_24151519	Ca_Kabuli_Chr02	NC_021161.1	24151519	TT	CC	CC	INTERGENIC		
SNP_8240B_24151673	Ca_Kabuli_Chr02	NC_021161.1	24151673	AA	GG	GG	INTERGENIC		
SNP_8241B_24151956	Ca_Kabuli_Chr02	NC_021161.1	24151956	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_8242B_24227457	Ca_Kabuli_Chr02	NC_021161.1	24227457	CC	TT	TT	INTRON	101499218	E3 ubiquitin-protein ligase SHPRH
SNP_8243B_24241593	Ca_Kabuli_Chr02	NC_021161.1	24241593	AA	TT	TT	INTERGENIC		
SNP_8246B_24251902	Ca_Kabuli_Chr02	NC_021161.1	24251902	AA	GG	GG	INTERGENIC		
SNP_8247B_24252119	Ca_Kabuli_Chr02	NC_021161.1	24252119	TT	CC	CC	INTERGENIC		
SNP_8249B_24252154	Ca_Kabuli_Chr02	NC_021161.1	24252154	CC	TT	TT	INTERGENIC		
SNP_8250B_24252157	Ca_Kabuli_Chr02	NC_021161.1	24252157	TT	CC	CC	INTERGENIC		
SNP_8251B_24252159	Ca_Kabuli_Chr02	NC_021161.1	24252159	AA	CC	CC	INTERGENIC		
SNP_8252B_24252193	Ca_Kabuli_Chr02	NC_021161.1	24252193	TT	CC	CC	INTERGENIC		
SNP_8253B_24256894	Ca_Kabuli_Chr02	NC_021161.1	24256894	TT	CC	CC	INTERGENIC		
SNP_8254B_24257234	Ca_Kabuli_Chr02	NC_021161.1	24257234	TT	CC	CC	INTERGENIC		
SNP_8255B_24257278	Ca_Kabuli_Chr02	NC_021161.1	24257278	AA	GG	GG	INTERGENIC		
SNP_8256B_24257412	Ca_Kabuli_Chr02	NC_021161.1	24257412	AA	TT	TT	INTERGENIC		
SNP_8257B_24259679	Ca_Kabuli_Chr02	NC_021161.1	24259679	AA	CC	CC	INTERGENIC		
SNP_8258B_24259686	Ca_Kabuli_Chr02	NC_021161.1	24259686	TT	AA	AA	INTERGENIC		
SNP_8259B_24259697	Ca_Kabuli_Chr02	NC_021161.1	24259697	TT	GG	GG	INTERGENIC		
SNP_8260B_24259766	Ca_Kabuli_Chr02	NC_021161.1	24259766	TT	CC	CC	INTERGENIC		
SNP_8261B_24259775	Ca_Kabuli_Chr02	NC_021161.1	24259775	AA	TT	TT	INTERGENIC		
SNP_8262B_24259802	Ca_Kabuli_Chr02	NC_021161.1	24259802	GG	TT	TT	INTERGENIC		
SNP_8263B_24309592	Ca_Kabuli_Chr02	NC_021161.1	24309592	CC	TT	TT	INTERGENIC		
SNP_8264B_24309690	Ca_Kabuli_Chr02	NC_021161.1	24309690	GG	TT	TT	INTERGENIC		
SNP_8265B_24309691	Ca_Kabuli_Chr02	NC_021161.1	24309691	TT	CC	CC	INTERGENIC		
SNP_8266B_24309694	Ca_Kabuli_Chr02	NC_021161.1	24309694	TT	CC	CC	INTERGENIC		
SNP_8267B_24309738	Ca_Kabuli_Chr02	NC_021161.1	24309738	AA	GG	GG	INTERGENIC		
SNP_8268B_24309751	Ca_Kabuli_Chr02	NC_021161.1	24309751	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_8269B_24309775	Ca_Kabuli_Chr02	NC_021161.1	24309775	AA	CC	CC	INTERGENIC		
SNP_8270B_24310013	Ca_Kabuli_Chr02	NC_021161.1	24310013	TT	CC	CC	INTERGENIC		
SNP_8271B_24310031	Ca_Kabuli_Chr02	NC_021161.1	24310031	CC	AA	AA	INTERGENIC		
SNP_8272B_24310033	Ca_Kabuli_Chr02	NC_021161.1	24310033	GG	CC	CC	INTERGENIC		
SNP_8273B_24310124	Ca_Kabuli_Chr02	NC_021161.1	24310124	CC	AA	AA	INTERGENIC		
SNP_8274B_24310160	Ca_Kabuli_Chr02	NC_021161.1	24310160	GG	AA	AA	INTERGENIC		
SNP_8275B_24310193	Ca_Kabuli_Chr02	NC_021161.1	24310193	GG	AA	AA	INTERGENIC		
SNP_8276B_24310198	Ca_Kabuli_Chr02	NC_021161.1	24310198	CC	TT	TT	INTERGENIC		
SNP_8277B_24310223	Ca_Kabuli_Chr02	NC_021161.1	24310223	CC	TT	TT	INTERGENIC		
SNP_8278B_24310265	Ca_Kabuli_Chr02	NC_021161.1	24310265	AA	CC	CC	INTERGENIC		
SNP_8279B_24310574	Ca_Kabuli_Chr02	NC_021161.1	24310574	CC	TT	TT	INTERGENIC		
SNP_8280B_24310623	Ca_Kabuli_Chr02	NC_021161.1	24310623	CC	TT	TT	INTERGENIC		
SNP_8281B_24317985	Ca_Kabuli_Chr02	NC_021161.1	24317985	TT	CC	CC	INTERGENIC		
SNP_8282B_24318078	Ca_Kabuli_Chr02	NC_021161.1	24318078	TT	AA	AA	INTERGENIC		
SNP_8283B_24392065	Ca_Kabuli_Chr02	NC_021161.1	24392065	AA	GG	GG	INTERGENIC		
SNP_8284B_24392078	Ca_Kabuli_Chr02	NC_021161.1	24392078	CC	TT	TT	INTERGENIC		
SNP_8286B_24433676	Ca_Kabuli_Chr02	NC_021161.1	24433676	TT	AA	AA	URR	101504558	uncharacterized LOC101504558
SNP_8287B_24433899	Ca_Kabuli_Chr02	NC_021161.1	24433899	TT	AA	AA	URR	101504558	uncharacterized LOC101504558
SNP_8288B_24433935	Ca_Kabuli_Chr02	NC_021161.1	24433935	TT	CC	CC	URR	101504558	uncharacterized LOC101504558
SNP_8289B_24433946	Ca_Kabuli_Chr02	NC_021161.1	24433946	AA	GG	GG	URR	101504558	uncharacterized LOC101504558
SNP_8290B_24442737	Ca_Kabuli_Chr02	NC_021161.1	24442737	AA	GG	GG	INTERGENIC		
SNP_8291B_24442747	Ca_Kabuli_Chr02	NC_021161.1	24442747	CC	AA	AA	INTERGENIC		
SNP_8292B_24454965	Ca_Kabuli_Chr02	NC_021161.1	24454965	AA	GG	GG	INTERGENIC		
SNP_8293B_24454976	Ca_Kabuli_Chr02	NC_021161.1	24454976	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_8294B_24455243	Ca_Kabuli_Chr02	NC_021161.1	24455243	CC	TT	TT	INTERGENIC		
SNP_8295B_24476920	Ca_Kabuli_Chr02	NC_021161.1	24476920	GG	AA	AA	INTERGENIC		
SNP_8296B_24494897	Ca_Kabuli_Chr02	NC_021161.1	24494897	CC	TT	TT	INTERGENIC		
SNP_8297B_24498249	Ca_Kabuli_Chr02	NC_021161.1	24498249	AA	GG	GG	INTERGENIC		
SNP_8298B_24557188	Ca_Kabuli_Chr02	NC_021161.1	24557188	AA	CC	CC	INTERGENIC		
SNP_8299B_24557191	Ca_Kabuli_Chr02	NC_021161.1	24557191	CC	TT	TT	INTERGENIC		
SNP_8300B_24557233	Ca_Kabuli_Chr02	NC_021161.1	24557233	AA	GG	GG	INTERGENIC		
SNP_8301B_24557332	Ca_Kabuli_Chr02	NC_021161.1	24557332	TT	CC	CC	INTERGENIC		
SNP_8302B_24557723	Ca_Kabuli_Chr02	NC_021161.1	24557723	TT	CC	CC	INTERGENIC		
SNP_8303B_24574708	Ca_Kabuli_Chr02	NC_021161.1	24574708	TT	AA	AA	INTERGENIC		
SNP_8304B_24575371	Ca_Kabuli_Chr02	NC_021161.1	24575371	TT	GG	GG	INTERGENIC		
SNP_8305B_24575383	Ca_Kabuli_Chr02	NC_021161.1	24575383	TT	CC	CC	INTERGENIC		
SNP_8306B_24575648	Ca_Kabuli_Chr02	NC_021161.1	24575648	CC	TT	TT	INTERGENIC		
SNP_8307B_24575656	Ca_Kabuli_Chr02	NC_021161.1	24575656	GG	AA	AA	INTERGENIC		
SNP_8308B_24575682	Ca_Kabuli_Chr02	NC_021161.1	24575682	GG	TT	TT	INTERGENIC		
SNP_8309B_24575705	Ca_Kabuli_Chr02	NC_021161.1	24575705	TT	CC	CC	INTERGENIC		
SNP_8310B_24597940	Ca_Kabuli_Chr02	NC_021161.1	24597940	GG	AA	AA	INTRON	101512140	uncharacterized protein PB18E9.04c-like
SNP_8311B_24597954	Ca_Kabuli_Chr02	NC_021161.1	24597954	AA	GG	GG	INTRON	101512140	uncharacterized protein PB18E9.04c-like
SNP_8312B_24753817	Ca_Kabuli_Chr02	NC_021161.1	24753817	GG	AA	AA	INTERGENIC		
SNP_8313B_24818341	Ca_Kabuli_Chr02	NC_021161.1	24818341	GG	AA	AA	SYNONYMOUS_CODING	101489037	serine/threonine-protein phosphatase 7 long form homolog
SNP_8314B_24818354	Ca_Kabuli_Chr02	NC_021161.1	24818354	TT	GG	GG	NON_SYNONYMOUS_CODING	101489037	serine/threonine-protein phosphatase 7 long form homolog
SNP_8315B_24893923	Ca_Kabuli_Chr02	NC_021161.1	24893923	CC	AA	AA	INTERGENIC		
SNP_8316B_24894055	Ca_Kabuli_Chr02	NC_021161.1	24894055	AA	GG	GG	INTERGENIC		
SNP_8317B_24894092	Ca_Kabuli_Chr02	NC_021161.1	24894092	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_8318B_24894093	Ca_Kabuli_Chr02	NC_021161.1	24894093	AA	GG	GG	INTERGENIC		
SNP_8319B_24894104	Ca_Kabuli_Chr02	NC_021161.1	24894104	CC	GG	GG	INTERGENIC		
SNP_8320B_24894105	Ca_Kabuli_Chr02	NC_021161.1	24894105	TT	AA	AA	INTERGENIC		
SNP_8321B_24894128	Ca_Kabuli_Chr02	NC_021161.1	24894128	GG	AA	AA	INTERGENIC		
SNP_8322B_24894181	Ca_Kabuli_Chr02	NC_021161.1	24894181	TT	CC	CC	INTERGENIC		
SNP_8323B_24940445	Ca_Kabuli_Chr02	NC_021161.1	24940445	AA	TT	TT	INTERGENIC		
SNP_8324B_24940478	Ca_Kabuli_Chr02	NC_021161.1	24940478	GG	TT	TT	INTERGENIC		
SNP_8325B_24940499	Ca_Kabuli_Chr02	NC_021161.1	24940499	TT	GG	GG	INTERGENIC		
SNP_8326B_24940505	Ca_Kabuli_Chr02	NC_021161.1	24940505	CC	TT	TT	INTERGENIC		
SNP_8327B_24940736	Ca_Kabuli_Chr02	NC_021161.1	24940736	AA	GG	GG	INTERGENIC		
SNP_8328B_24943018	Ca_Kabuli_Chr02	NC_021161.1	24943018	TT	GG	GG	DRR	101489692	uncharacterized LOC101489692
SNP_8329B_24943056	Ca_Kabuli_Chr02	NC_021161.1	24943056	GG	TT	TT	DRR	101489692	uncharacterized LOC101489692
SNP_8330B_24943092	Ca_Kabuli_Chr02	NC_021161.1	24943092	AA	GG	GG	DRR	101489692	uncharacterized LOC101489692
SNP_8331B_24943095	Ca_Kabuli_Chr02	NC_021161.1	24943095	CC	TT	TT	DRR	101489692	uncharacterized LOC101489692
SNP_8333B_24943310	Ca_Kabuli_Chr02	NC_021161.1	24943310	AA	GG	GG	NON_SYNONYMOUS_CODING	101489692	uncharacterized LOC101489692
SNP_8334B_24943435	Ca_Kabuli_Chr02	NC_021161.1	24943435	TT	CC	CC	NON_SYNONYMOUS_CODING	101489692	uncharacterized LOC101489692
SNP_8335B_24943497	Ca_Kabuli_Chr02	NC_021161.1	24943497	AA	GG	GG	NON_SYNONYMOUS_CODING	101489692	uncharacterized LOC101489692
SNP_8336B_24947810	Ca_Kabuli_Chr02	NC_021161.1	24947810	CC	TT	TT	INTERGENIC		
SNP_8337B_24947830	Ca_Kabuli_Chr02	NC_021161.1	24947830	CC	TT	TT	INTERGENIC		
SNP_8338B_24947843	Ca_Kabuli_Chr02	NC_021161.1	24947843	TT	AA	AA	INTERGENIC		
SNP_8339B_24947849	Ca_Kabuli_Chr02	NC_021161.1	24947849	GG	AA	AA	INTERGENIC		
SNP_8340B_24947934	Ca_Kabuli_Chr02	NC_021161.1	24947934	GG	AA	AA	INTERGENIC		
SNP_8341B_24948010	Ca_Kabuli_Chr02	NC_021161.1	24948010	AA	GG	GG	INTERGENIC		
SNP_8342B_24948150	Ca_Kabuli_Chr02	NC_021161.1	24948150	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_8343B_24948227	Ca_Kabuli_Chr02	NC_021161.1	24948227	GG	AA	AA	INTERGENIC		
SNP_8344B_24948285	Ca_Kabuli_Chr02	NC_021161.1	24948285	TT	CC	CC	INTERGENIC		
SNP_8345B_24948319	Ca_Kabuli_Chr02	NC_021161.1	24948319	CC	AA	AA	INTERGENIC		
SNP_8346B_24969062	Ca_Kabuli_Chr02	NC_021161.1	24969062	TT	CC	CC	INTERGENIC		
SNP_8347B_24969076	Ca_Kabuli_Chr02	NC_021161.1	24969076	TT	AA	AA	INTERGENIC		
SNP_8348B_24969409	Ca_Kabuli_Chr02	NC_021161.1	24969409	AA	GG	GG	INTERGENIC		
SNP_8349B_24969413	Ca_Kabuli_Chr02	NC_021161.1	24969413	GG	CC	CC	INTERGENIC		
SNP_8350B_25025016	Ca_Kabuli_Chr02	NC_021161.1	25025016	CC	TT	TT	INTRON	101491305	zinc finger protein CONSTANS-LIKE 9-like
SNP_8351B_25025121	Ca_Kabuli_Chr02	NC_021161.1	25025121	CC	TT	TT	INTRON	101491305	zinc finger protein CONSTANS-LIKE 9-like
SNP_8352B_25025190	Ca_Kabuli_Chr02	NC_021161.1	25025190	CC	TT	TT	INTRON	101491305	zinc finger protein CONSTANS-LIKE 9-like
SNP_8353B_25025200	Ca_Kabuli_Chr02	NC_021161.1	25025200	CC	TT	TT	INTRON	101491305	zinc finger protein CONSTANS-LIKE 9-like
SNP_8354B_25025240	Ca_Kabuli_Chr02	NC_021161.1	25025240	GG	AA	AA	INTRON	101491305	zinc finger protein CONSTANS-LIKE 9-like
SNP_8355B_25025294	Ca_Kabuli_Chr02	NC_021161.1	25025294	CC	TT	TT	INTRON	101491305	zinc finger protein CONSTANS-LIKE 9-like
SNP_8356B_25025358	Ca_Kabuli_Chr02	NC_021161.1	25025358	GG	AA	AA	INTRON	101491305	zinc finger protein CONSTANS-LIKE 9-like
SNP_8357B_25157289	Ca_Kabuli_Chr02	NC_021161.1	25157289	TT	CC	CC	INTRON	101494644	lysosomal beta glucosidase-like
SNP_8358B_25157291	Ca_Kabuli_Chr02	NC_021161.1	25157291	AA	CC	CC	INTRON	101494644	lysosomal beta glucosidase-like
SNP_8359B_25188186	Ca_Kabuli_Chr02	NC_021161.1	25188186	CC	TT	TT	INTERGENIC		
SNP_8360B_25224365	Ca_Kabuli_Chr02	NC_021161.1	25224365	GG	AA	AA	INTERGENIC		
SNP_8361B_25224450	Ca_Kabuli_Chr02	NC_021161.1	25224450	CC	TT	TT	INTERGENIC		
SNP_8362B_25224713	Ca_Kabuli_Chr02	NC_021161.1	25224713	GG	AA	AA	INTERGENIC		
SNP_8363B_25224717	Ca_Kabuli_Chr02	NC_021161.1	25224717	GG	AA	AA	INTERGENIC		
SNP_8364B_25224723	Ca_Kabuli_Chr02	NC_021161.1	25224723	AA	GG	GG	INTERGENIC		
SNP_8365B_25224724	Ca_Kabuli_Chr02	NC_021161.1	25224724	CC	TT	TT	INTERGENIC		
SNP_8366B_25224736	Ca_Kabuli_Chr02	NC_021161.1	25224736	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_8367B_25342905	Ca_Kabuli_Chr02	NC_021161.1	25342905	GG	AA	AA	INTERGENIC		
SNP_8368B_25451015	Ca_Kabuli_Chr02	NC_021161.1	25451015	AA	GG	GG	INTRON	101502297	cytochrome P450 CYP736A12-like
SNP_8369B_25451035	Ca_Kabuli_Chr02	NC_021161.1	25451035	GG	AA	AA	INTRON	101502297	cytochrome P450 CYP736A12-like
SNP_8370B_25451041	Ca_Kabuli_Chr02	NC_021161.1	25451041	AA	GG	GG	INTRON	101502297	cytochrome P450 CYP736A12-like
SNP_8371B_25451126	Ca_Kabuli_Chr02	NC_021161.1	25451126	TT	CC	CC	INTRON	101502297	cytochrome P450 CYP736A12-like
SNP_8372B_25453083	Ca_Kabuli_Chr02	NC_021161.1	25453083	AA	TT	TT	INTRON	101502297	cytochrome P450 CYP736A12-like
SNP_8374B_25528909	Ca_Kabuli_Chr02	NC_021161.1	25528909	AA	GG	GG	URR	101503905	Unknown function
SNP_8375B_25528912	Ca_Kabuli_Chr02	NC_021161.1	25528912	TT	GG	GG	URR	101503905	Unknown function
SNP_8376B_25528937	Ca_Kabuli_Chr02	NC_021161.1	25528937	GG	CC	CC	URR	101503905	Unknown function
SNP_8377B_25528945	Ca_Kabuli_Chr02	NC_021161.1	25528945	TT	GG	GG	URR	101503905	Unknown function
SNP_8378B_25528955	Ca_Kabuli_Chr02	NC_021161.1	25528955	CC	AA	AA	URR	101503905	Unknown function
SNP_8379B_25528977	Ca_Kabuli_Chr02	NC_021161.1	25528977	CC	TT	TT	URR	101503905	Unknown function
SNP_8380B_25529031	Ca_Kabuli_Chr02	NC_021161.1	25529031	TT	AA	AA	URR	101503905	Unknown function
SNP_8381B_25529039	Ca_Kabuli_Chr02	NC_021161.1	25529039	AA	GG	GG	URR	101503905	Unknown function
SNP_8382B_25529052	Ca_Kabuli_Chr02	NC_021161.1	25529052	TT	CC	CC	URR	101503905	Unknown function
SNP_8383B_25529093	Ca_Kabuli_Chr02	NC_021161.1	25529093	TT	GG	GG	URR	101503905	Unknown function
SNP_8384B_25529094	Ca_Kabuli_Chr02	NC_021161.1	25529094	CC	AA	AA	URR	101503905	Unknown function
SNP_8385B_25529104	Ca_Kabuli_Chr02	NC_021161.1	25529104	AA	CC	CC	URR	101503905	Unknown function
SNP_8386B_25529130	Ca_Kabuli_Chr02	NC_021161.1	25529130	TT	CC	CC	URR	101503905	Unknown function
SNP_8387B_25529148	Ca_Kabuli_Chr02	NC_021161.1	25529148	TT	CC	CC	URR	101503905	Unknown function
SNP_8388B_25529153	Ca_Kabuli_Chr02	NC_021161.1	25529153	CC	AA	AA	URR	101503905	Unknown function
SNP_8389B_25529234	Ca_Kabuli_Chr02	NC_021161.1	25529234	AA	GG	GG	URR	101503905	Unknown function
SNP_8390B_25529403	Ca_Kabuli_Chr02	NC_021161.1	25529403	CC	AA	AA	URR	101503905	Unknown function
SNP_8391B_25529422	Ca_Kabuli_Chr02	NC_021161.1	25529422	AA	GG	GG	URR	101503905	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_8392B_25529480	Ca_Kabuli_Chr02	NC_021161.1	25529480	AA	GG	GG	URR	101503905	Unknown function
SNP_8393B_25529527	Ca_Kabuli_Chr02	NC_021161.1	25529527	AA	CC	CC	URR	101503905	Unknown function
SNP_8394B_25529546	Ca_Kabuli_Chr02	NC_021161.1	25529546	AA	TT	TT	URR	101503905	Unknown function
SNP_8395B_25529552	Ca_Kabuli_Chr02	NC_021161.1	25529552	GG	AA	AA	URR	101503905	Unknown function
SNP_8396B_25529641	Ca_Kabuli_Chr02	NC_021161.1	25529641	TT	GG	GG	URR	101503905	Unknown function
SNP_8397B_25529643	Ca_Kabuli_Chr02	NC_021161.1	25529643	TT	CC	CC	URR	101503905	Unknown function
SNP_8398B_25529816	Ca_Kabuli_Chr02	NC_021161.1	25529816	CC	TT	TT	URR	101503905	Unknown function
SNP_8399B_25529824	Ca_Kabuli_Chr02	NC_021161.1	25529824	CC	TT	TT	URR	101503905	Unknown function
SNP_8400B_25529836	Ca_Kabuli_Chr02	NC_021161.1	25529836	CC	TT	TT	URR	101503905	Unknown function
SNP_8401B_25529914	Ca_Kabuli_Chr02	NC_021161.1	25529914	AA	GG	GG	URR	101503905	Unknown function
SNP_8402B_25529920	Ca_Kabuli_Chr02	NC_021161.1	25529920	TT	GG	GG	URR	101503905	Unknown function
SNP_8403B_25529937	Ca_Kabuli_Chr02	NC_021161.1	25529937	TT	CC	CC	URR	101503905	Unknown function
SNP_8404B_25529979	Ca_Kabuli_Chr02	NC_021161.1	25529979	CC	TT	TT	URR	101503905	Unknown function
SNP_8405B_25534719	Ca_Kabuli_Chr02	NC_021161.1	25534719	TT	GG	GG	DRR	101410594	transfer RNA cysteine (anticodon GCA)
SNP_8406B_25535135	Ca_Kabuli_Chr02	NC_021161.1	25535135	TT	CC	CC	URR	101410594	transfer RNA cysteine (anticodon GCA)
SNP_8407B_25535151	Ca_Kabuli_Chr02	NC_021161.1	25535151	TT	CC	CC	URR	101410594	transfer RNA cysteine (anticodon GCA)
SNP_8408B_25535154	Ca_Kabuli_Chr02	NC_021161.1	25535154	TT	GG	GG	URR	101410594	transfer RNA cysteine (anticodon GCA)
SNP_8409B_25535166	Ca_Kabuli_Chr02	NC_021161.1	25535166	TT	CC	CC	URR	101410594	transfer RNA cysteine (anticodon GCA)
SNP_8411B_25603355	Ca_Kabuli_Chr02	NC_021161.1	25603355	TT	CC	CC	INTERGENIC		
SNP_8413B_25603558	Ca_Kabuli_Chr02	NC_021161.1	25603558	TT	CC	CC	INTERGENIC		
SNP_8414B_25603616	Ca_Kabuli_Chr02	NC_021161.1	25603616	TT	GG	GG	INTERGENIC		
SNP_8415B_25609623	Ca_Kabuli_Chr02	NC_021161.1	25609623	CC	AA	AA	INTERGENIC		
SNP_8416B_25609914	Ca_Kabuli_Chr02	NC_021161.1	25609914	GG	AA	AA	INTERGENIC		
SNP_8417B_25609926	Ca_Kabuli_Chr02	NC_021161.1	25609926	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_8418B_25680174	Ca_Kabuli_Chr02	NC_021161.1	25680174	CC	TT	TT	INTRON	101491629	plasma membrane ATPase-like
SNP_8419B_25680387	Ca_Kabuli_Chr02	NC_021161.1	25680387	TT	GG	GG	INTRON	101491629	plasma membrane ATPase-like
SNP_8420B_25680390	Ca_Kabuli_Chr02	NC_021161.1	25680390	CC	TT	TT	INTRON	101491629	plasma membrane ATPase-like
SNP_8421B_25680504	Ca_Kabuli_Chr02	NC_021161.1	25680504	AA	TT	TT	INTRON	101491629	plasma membrane ATPase-like
SNP_8422B_25680581	Ca_Kabuli_Chr02	NC_021161.1	25680581	CC	TT	TT	INTRON	101491629	plasma membrane ATPase-like
SNP_8423B_25680670	Ca_Kabuli_Chr02	NC_021161.1	25680670	AA	GG	GG	INTRON	101491629	plasma membrane ATPase-like
SNP_8424B_25683026	Ca_Kabuli_Chr02	NC_021161.1	25683026	TT	CC	CC	URR	101491629	plasma membrane ATPase-like
SNP_8425B_25683303	Ca_Kabuli_Chr02	NC_021161.1	25683303	TT	CC	CC	URR	101491629	plasma membrane ATPase-like
SNP_8426B_25683306	Ca_Kabuli_Chr02	NC_021161.1	25683306	TT	CC	CC	URR	101491629	plasma membrane ATPase-like
SNP_8427B_25712940	Ca_Kabuli_Chr02	NC_021161.1	25712940	TT	CC	CC	INTERGENIC		
SNP_8428B_25712946	Ca_Kabuli_Chr02	NC_021161.1	25712946	CC	AA	AA	INTERGENIC		
SNP_8429B_25712955	Ca_Kabuli_Chr02	NC_021161.1	25712955	AA	CC	CC	INTERGENIC		
SNP_8430B_25713199	Ca_Kabuli_Chr02	NC_021161.1	25713199	GG	TT	TT	INTERGENIC		
SNP_8431B_25713222	Ca_Kabuli_Chr02	NC_021161.1	25713222	GG	AA	AA	INTERGENIC		
SNP_8432B_25713261	Ca_Kabuli_Chr02	NC_021161.1	25713261	CC	GG	GG	INTERGENIC		
SNP_8433B_25713295	Ca_Kabuli_Chr02	NC_021161.1	25713295	AA	TT	TT	INTERGENIC		
SNP_8434B_25795239	Ca_Kabuli_Chr02	NC_021161.1	25795239	AA	TT	TT	INTERGENIC		
SNP_8435B_25901111	Ca_Kabuli_Chr02	NC_021161.1	25901111	CC	GG	GG	URR	101509470	potassium transporter 1
SNP_8436B_26438837	Ca_Kabuli_Chr02	NC_021161.1	26438837	GG	AA	AA	SYNONYMOUS_STOP	101507984	protein FAR1-RELATED SEQUENCE 5-like
SNP_8437B_26438856	Ca_Kabuli_Chr02	NC_021161.1	26438856	AA	GG	GG	URR	101507984	protein FAR1-RELATED SEQUENCE 5-like
SNP_8438B_26448592	Ca_Kabuli_Chr02	NC_021161.1	26448592	AA	GG	GG	INTERGENIC		
SNP_8439B_26448599	Ca_Kabuli_Chr02	NC_021161.1	26448599	AA	GG	GG	INTERGENIC		
SNP_8440B_26488103	Ca_Kabuli_Chr02	NC_021161.1	26488103	GG	AA	AA	INTERGENIC		
SNP_8441B_26488165	Ca_Kabuli_Chr02	NC_021161.1	26488165	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_8442B_26488177	Ca_Kabuli_Chr02	NC_021161.1	26488177	AA	GG	GG	INTERGENIC		
SNP_8443B_26488211	Ca_Kabuli_Chr02	NC_021161.1	26488211	CC	TT	TT	INTERGENIC		
SNP_8444B_26488224	Ca_Kabuli_Chr02	NC_021161.1	26488224	GG	TT	TT	INTERGENIC		
SNP_8445B_26488307	Ca_Kabuli_Chr02	NC_021161.1	26488307	CC	TT	TT	INTERGENIC		
SNP_8446B_26488330	Ca_Kabuli_Chr02	NC_021161.1	26488330	GG	AA	AA	INTERGENIC		
SNP_8447B_26488372	Ca_Kabuli_Chr02	NC_021161.1	26488372	AA	GG	GG	INTERGENIC		
SNP_8448B_26488397	Ca_Kabuli_Chr02	NC_021161.1	26488397	AA	CC	CC	INTERGENIC		
SNP_8449B_26488443	Ca_Kabuli_Chr02	NC_021161.1	26488443	AA	TT	TT	INTERGENIC		
SNP_8450B_26488445	Ca_Kabuli_Chr02	NC_021161.1	26488445	AA	TT	TT	INTERGENIC		
SNP_8451B_26488465	Ca_Kabuli_Chr02	NC_021161.1	26488465	CC	TT	TT	INTERGENIC		
SNP_8452B_26504149	Ca_Kabuli_Chr02	NC_021161.1	26504149	AA	GG	GG	URR	101497680	Unknown function
SNP_8453B_26504422	Ca_Kabuli_Chr02	NC_021161.1	26504422	AA	GG	GG	URR	101497680	Unknown function
SNP_8454B_26504558	Ca_Kabuli_Chr02	NC_021161.1	26504558	AA	GG	GG	URR	101497680	Unknown function
SNP_8455B_26589623	Ca_Kabuli_Chr02	NC_021161.1	26589623	GG	AA	AA	URR	101499005	sorting nexin 2B-like
SNP_8456B_26716080	Ca_Kabuli_Chr02	NC_021161.1	26716080	GG	AA	AA	INTERGENIC		
SNP_8457B_26736032	Ca_Kabuli_Chr02	NC_021161.1	26736032	AA	GG	GG	INTERGENIC		
SNP_8459B_26901560	Ca_Kabuli_Chr02	NC_021161.1	26901560	AA	TT	TT	INTERGENIC		
SNP_8460B_26909733	Ca_Kabuli_Chr02	NC_021161.1	26909733	AA	GG	GG	INTERGENIC		
SNP_8461B_26909837	Ca_Kabuli_Chr02	NC_021161.1	26909837	AA	GG	GG	INTERGENIC		
SNP_8462B_26910130	Ca_Kabuli_Chr02	NC_021161.1	26910130	AA	GG	GG	INTERGENIC		
SNP_8463B_26910131	Ca_Kabuli_Chr02	NC_021161.1	26910131	AA	TT	TT	INTERGENIC		
SNP_8464B_26925591	Ca_Kabuli_Chr02	NC_021161.1	26925591	CC	TT	TT	INTERGENIC		
SNP_8465B_27135190	Ca_Kabuli_Chr02	NC_021161.1	27135190	TT	CC	CC	INTRON	101506256	uncharacterized LOC101506256
SNP_8466B_27137386	Ca_Kabuli_Chr02	NC_021161.1	27137386	GG	AA	AA	URR	101506256	uncharacterized LOC101506256

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_8467B_27156524	Ca_Kabuli_Chr02	NC_021161.1	27156524	TT	CC	CC	DRR	101515497	NADPH oxidase activator
SNP_8468B_27190180	Ca_Kabuli_Chr02	NC_021161.1	27190180	GG	TT	TT	INTERGENIC		
SNP_8469B_27192778	Ca_Kabuli_Chr02	NC_021161.1	27192778	AA	TT	TT	INTERGENIC		
SNP_8470B_27192807	Ca_Kabuli_Chr02	NC_021161.1	27192807	AA	CC	CC	INTERGENIC		
SNP_8471B_27192808	Ca_Kabuli_Chr02	NC_021161.1	27192808	GG	AA	AA	INTERGENIC		
SNP_8472B_27192809	Ca_Kabuli_Chr02	NC_021161.1	27192809	CC	TT	TT	INTERGENIC		
SNP_8473B_27192812	Ca_Kabuli_Chr02	NC_021161.1	27192812	CC	TT	TT	INTERGENIC		
SNP_8474B_27192952	Ca_Kabuli_Chr02	NC_021161.1	27192952	CC	GG	GG	INTERGENIC		
SNP_8475B_27194429	Ca_Kabuli_Chr02	NC_021161.1	27194429	CC	TT	TT	INTERGENIC		
SNP_8476B_27194430	Ca_Kabuli_Chr02	NC_021161.1	27194430	GG	AA	AA	INTERGENIC		
SNP_8477B_27194507	Ca_Kabuli_Chr02	NC_021161.1	27194507	CC	TT	TT	INTERGENIC		
SNP_8478B_27194541	Ca_Kabuli_Chr02	NC_021161.1	27194541	AA	GG	GG	INTERGENIC		
SNP_8479B_27254094	Ca_Kabuli_Chr02	NC_021161.1	27254094	AA	TT	TT	INTERGENIC		
SNP_8480B_27254223	Ca_Kabuli_Chr02	NC_021161.1	27254223	AA	GG	GG	INTERGENIC		
SNP_8481B_27254232	Ca_Kabuli_Chr02	NC_021161.1	27254232	AA	GG	GG	INTERGENIC		
SNP_8482B_27254252	Ca_Kabuli_Chr02	NC_021161.1	27254252	TT	CC	CC	INTERGENIC		
SNP_8483B_27254309	Ca_Kabuli_Chr02	NC_021161.1	27254309	CC	TT	TT	INTERGENIC		
SNP_8484B_27254319	Ca_Kabuli_Chr02	NC_021161.1	27254319	CC	TT	TT	INTERGENIC		
SNP_8485B_27254339	Ca_Kabuli_Chr02	NC_021161.1	27254339	AA	GG	GG	INTERGENIC		
SNP_8486B_27261691	Ca_Kabuli_Chr02	NC_021161.1	27261691	TT	GG	GG	INTERGENIC		
SNP_8487B_27325927	Ca_Kabuli_Chr02	NC_021161.1	27325927	CC	TT	TT	INTERGENIC		
SNP_8488B_27325945	Ca_Kabuli_Chr02	NC_021161.1	27325945	AA	GG	GG	INTERGENIC		
SNP_8489B_27325953	Ca_Kabuli_Chr02	NC_021161.1	27325953	GG	CC	CC	INTERGENIC		
SNP_8490B_27325957	Ca_Kabuli_Chr02	NC_021161.1	27325957	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_8491B_27325958	Ca_Kabuli_Chr02	NC_021161.1	27325958	TT	CC	CC	INTERGENIC		
SNP_8492B_27325960	Ca_Kabuli_Chr02	NC_021161.1	27325960	GG	TT	TT	INTERGENIC		
SNP_8493B_27325968	Ca_Kabuli_Chr02	NC_021161.1	27325968	CC	AA	AA	INTERGENIC		
SNP_8494B_27389806	Ca_Kabuli_Chr02	NC_021161.1	27389806	TT	GG	GG	INTERGENIC		
SNP_8495B_27419378	Ca_Kabuli_Chr02	NC_021161.1	27419378	TT	CC	CC	INTERGENIC		
SNP_8496B_27491393	Ca_Kabuli_Chr02	NC_021161.1	27491393	TT	CC	CC	INTERGENIC		
SNP_8497B_27491677	Ca_Kabuli_Chr02	NC_021161.1	27491677	TT	CC	CC	INTERGENIC		
SNP_8498B_27491694	Ca_Kabuli_Chr02	NC_021161.1	27491694	AA	GG	GG	INTERGENIC		
SNP_8499B_27491695	Ca_Kabuli_Chr02	NC_021161.1	27491695	AA	GG	GG	INTERGENIC		
SNP_8500B_27491742	Ca_Kabuli_Chr02	NC_021161.1	27491742	AA	TT	TT	INTERGENIC		
SNP_8501B_27491771	Ca_Kabuli_Chr02	NC_021161.1	27491771	AA	TT	TT	INTERGENIC		
SNP_8502B_27491774	Ca_Kabuli_Chr02	NC_021161.1	27491774	CC	TT	TT	INTERGENIC		
SNP_8503B_27491776	Ca_Kabuli_Chr02	NC_021161.1	27491776	AA	CC	CC	INTERGENIC		
SNP_8504B_27525855	Ca_Kabuli_Chr02	NC_021161.1	27525855	GG	AA	AA	INTERGENIC		
SNP_8505B_27528183	Ca_Kabuli_Chr02	NC_021161.1	27528183	AA	GG	GG	INTERGENIC		
SNP_8506B_27528421	Ca_Kabuli_Chr02	NC_021161.1	27528421	TT	AA	AA	INTERGENIC		
SNP_8507B_27528453	Ca_Kabuli_Chr02	NC_021161.1	27528453	TT	AA	AA	INTERGENIC		
SNP_8508B_27528463	Ca_Kabuli_Chr02	NC_021161.1	27528463	TT	CC	CC	INTERGENIC		
SNP_8509B_27528474	Ca_Kabuli_Chr02	NC_021161.1	27528474	AA	GG	GG	INTERGENIC		
SNP_8510B_27528479	Ca_Kabuli_Chr02	NC_021161.1	27528479	TT	CC	CC	INTERGENIC		
SNP_8511B_27528525	Ca_Kabuli_Chr02	NC_021161.1	27528525	CC	AA	AA	INTERGENIC		
SNP_8512B_27532782	Ca_Kabuli_Chr02	NC_021161.1	27532782	CC	TT	TT	INTERGENIC		
SNP_8513B_27539342	Ca_Kabuli_Chr02	NC_021161.1	27539342	TT	AA	AA	INTRON	101493054	kinesin-3-like
SNP_8514B_27539447	Ca_Kabuli_Chr02	NC_021161.1	27539447	AA	TT	TT	INTRON	id36247	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_8515B_27539605	Ca_Kabuli_Chr02	NC_021161.1	27539605	TT	CC	CC	INTRON	id36247	Unknown function
SNP_8516B_27539640	Ca_Kabuli_Chr02	NC_021161.1	27539640	AA	GG	GG	INTRON	id36247	Unknown function
SNP_8517B_27647823	Ca_Kabuli_Chr02	NC_021161.1	27647823	AA	GG	GG	INTERGENIC		
SNP_8518B_27647856	Ca_Kabuli_Chr02	NC_021161.1	27647856	TT	CC	CC	INTERGENIC		
SNP_8519B_27730523	Ca_Kabuli_Chr02	NC_021161.1	27730523	CC	TT	TT	INTERGENIC		
SNP_8520B_27742973	Ca_Kabuli_Chr02	NC_021161.1	27742973	TT	GG	GG	INTERGENIC		
SNP_8523B_27887887	Ca_Kabuli_Chr02	NC_021161.1	27887887	TT	CC	CC	INTERGENIC		
SNP_8524B_27888325	Ca_Kabuli_Chr02	NC_021161.1	27888325	TT	CC	CC	INTERGENIC		
SNP_8525B_27888404	Ca_Kabuli_Chr02	NC_021161.1	27888404	AA	CC	CC	INTERGENIC		
SNP_8526B_27888412	Ca_Kabuli_Chr02	NC_021161.1	27888412	AA	CC	CC	INTERGENIC		
SNP_8527B_27965204	Ca_Kabuli_Chr02	NC_021161.1	27965204	GG	AA	AA	INTERGENIC		
SNP_8528B_27965332	Ca_Kabuli_Chr02	NC_021161.1	27965332	AA	CC	CC	INTERGENIC		
SNP_8529B_27965344	Ca_Kabuli_Chr02	NC_021161.1	27965344	CC	TT	TT	INTERGENIC		
SNP_8530B_27965347	Ca_Kabuli_Chr02	NC_021161.1	27965347	GG	AA	AA	INTERGENIC		
SNP_8531B_27965363	Ca_Kabuli_Chr02	NC_021161.1	27965363	TT	CC	CC	INTERGENIC		
SNP_8532B_28009662	Ca_Kabuli_Chr02	NC_021161.1	28009662	GG	TT	TT	INTERGENIC		
SNP_8534B_28112683	Ca_Kabuli_Chr02	NC_021161.1	28112683	TT	CC	CC	INTRON	101514095	sucrose synthase 6-like
SNP_8535B_28143723	Ca_Kabuli_Chr02	NC_021161.1	28143723	CC	TT	TT	INTERGENIC		
SNP_8536B_28148586	Ca_Kabuli_Chr02	NC_021161.1	28148586	CC	TT	TT	INTERGENIC		
SNP_8537B_28240061	Ca_Kabuli_Chr02	NC_021161.1	28240061	TT	GG	GG	INTERGENIC		
SNP_8538B_28240429	Ca_Kabuli_Chr02	NC_021161.1	28240429	CC	AA	AA	INTERGENIC		
SNP_8539B_28252213	Ca_Kabuli_Chr02	NC_021161.1	28252213	CC	GG	GG	INTERGENIC		
SNP_8540B_28252263	Ca_Kabuli_Chr02	NC_021161.1	28252263	AA	GG	GG	INTERGENIC		
SNP_8541B_28252267	Ca_Kabuli_Chr02	NC_021161.1	28252267	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_8542B_28252269	Ca_Kabuli_Chr02	NC_021161.1	28252269	TT	CC	CC	INTERGENIC		
SNP_8543B_28252519	Ca_Kabuli_Chr02	NC_021161.1	28252519	AA	GG	GG	INTERGENIC		
SNP_8544B_28252520	Ca_Kabuli_Chr02	NC_021161.1	28252520	GG	AA	AA	INTERGENIC		
SNP_8545B_28252537	Ca_Kabuli_Chr02	NC_021161.1	28252537	GG	AA	AA	INTERGENIC		
SNP_8546B_28252574	Ca_Kabuli_Chr02	NC_021161.1	28252574	TT	GG	GG	INTERGENIC		
SNP_8547B_28252608	Ca_Kabuli_Chr02	NC_021161.1	28252608	CC	TT	TT	INTERGENIC		
SNP_8548B_28252622	Ca_Kabuli_Chr02	NC_021161.1	28252622	CC	TT	TT	INTERGENIC		
SNP_8549B_28252635	Ca_Kabuli_Chr02	NC_021161.1	28252635	GG	AA	AA	INTERGENIC		
SNP_8550B_28252662	Ca_Kabuli_Chr02	NC_021161.1	28252662	AA	TT	TT	INTERGENIC		
SNP_8551B_28253781	Ca_Kabuli_Chr02	NC_021161.1	28253781	CC	TT	TT	INTERGENIC		
SNP_8553B_28262541	Ca_Kabuli_Chr02	NC_021161.1	28262541	CC	TT	TT	INTERGENIC		
SNP_8554B_28262543	Ca_Kabuli_Chr02	NC_021161.1	28262543	AA	CC	CC	INTERGENIC		
SNP_8555B_28262677	Ca_Kabuli_Chr02	NC_021161.1	28262677	GG	TT	TT	INTERGENIC		
SNP_8556B_28262687	Ca_Kabuli_Chr02	NC_021161.1	28262687	GG	TT	TT	INTERGENIC		
SNP_8557B_28262741	Ca_Kabuli_Chr02	NC_021161.1	28262741	CC	AA	AA	INTERGENIC		
SNP_8558B_28262742	Ca_Kabuli_Chr02	NC_021161.1	28262742	TT	CC	CC	INTERGENIC		
SNP_8559B_28262743	Ca_Kabuli_Chr02	NC_021161.1	28262743	GG	AA	AA	INTERGENIC		
SNP_8560B_28262908	Ca_Kabuli_Chr02	NC_021161.1	28262908	CC	AA	AA	INTERGENIC		
SNP_8561B_28262956	Ca_Kabuli_Chr02	NC_021161.1	28262956	TT	GG	GG	INTERGENIC		
SNP_8562B_28262999	Ca_Kabuli_Chr02	NC_021161.1	28262999	TT	GG	GG	INTERGENIC		
SNP_8563B_28263061	Ca_Kabuli_Chr02	NC_021161.1	28263061	AA	GG	GG	INTERGENIC		
SNP_8564B_28263068	Ca_Kabuli_Chr02	NC_021161.1	28263068	TT	GG	GG	INTERGENIC		
SNP_8565B_28263130	Ca_Kabuli_Chr02	NC_021161.1	28263130	GG	AA	AA	INTERGENIC		
SNP_8566B_28263142	Ca_Kabuli_Chr02	NC_021161.1	28263142	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_8567B_28263153	Ca_Kabuli_Chr02	NC_021161.1	28263153	TT	CC	CC	INTERGENIC		
SNP_8568B_28284395	Ca_Kabuli_Chr02	NC_021161.1	28284395	GG	TT	TT	INTERGENIC		
SNP_8569B_28284447	Ca_Kabuli_Chr02	NC_021161.1	28284447	AA	GG	GG	INTERGENIC		
SNP_8571B_28388267	Ca_Kabuli_Chr02	NC_021161.1	28388267	TT	CC	CC	INTERGENIC		
SNP_8572B_28388662	Ca_Kabuli_Chr02	NC_021161.1	28388662	CC	TT	TT	INTERGENIC		
SNP_8573B_28395901	Ca_Kabuli_Chr02	NC_021161.1	28395901	AA	TT	TT	INTERGENIC		
SNP_8574B_28396018	Ca_Kabuli_Chr02	NC_021161.1	28396018	CC	GG	GG	INTERGENIC		
SNP_8575B_28396088	Ca_Kabuli_Chr02	NC_021161.1	28396088	GG	AA	AA	INTERGENIC		
SNP_8576B_28396172	Ca_Kabuli_Chr02	NC_021161.1	28396172	GG	AA	AA	INTERGENIC		
SNP_8577B_28396288	Ca_Kabuli_Chr02	NC_021161.1	28396288	AA	TT	TT	INTERGENIC		
SNP_8578B_28396386	Ca_Kabuli_Chr02	NC_021161.1	28396386	GG	CC	CC	INTERGENIC		
SNP_8580B_28465280	Ca_Kabuli_Chr02	NC_021161.1	28465280	AA	CC	CC	INTERGENIC		
SNP_8581B_28465329	Ca_Kabuli_Chr02	NC_021161.1	28465329	AA	TT	TT	INTERGENIC		
SNP_8582B_28465338	Ca_Kabuli_Chr02	NC_021161.1	28465338	TT	AA	AA	INTERGENIC		
SNP_8584B_28465525	Ca_Kabuli_Chr02	NC_021161.1	28465525	AA	GG	GG	INTERGENIC		
SNP_8586B_28465638	Ca_Kabuli_Chr02	NC_021161.1	28465638	GG	AA	AA	INTERGENIC		
SNP_8587B_28498024	Ca_Kabuli_Chr02	NC_021161.1	28498024	TT	CC	CC	INTERGENIC		
SNP_8588B_28498136	Ca_Kabuli_Chr02	NC_021161.1	28498136	AA	GG	GG	INTERGENIC		
SNP_8589B_28498478	Ca_Kabuli_Chr02	NC_021161.1	28498478	TT	CC	CC	INTERGENIC		
SNP_8590B_28501064	Ca_Kabuli_Chr02	NC_021161.1	28501064	AA	CC	CC	INTERGENIC		
SNP_8591B_28501122	Ca_Kabuli_Chr02	NC_021161.1	28501122	TT	CC	CC	INTERGENIC		
SNP_8592B_28501257	Ca_Kabuli_Chr02	NC_021161.1	28501257	AA	GG	GG	INTERGENIC		
SNP_8593B_28519899	Ca_Kabuli_Chr02	NC_021161.1	28519899	TT	GG	GG	INTERGENIC		
SNP_8594B_28519900	Ca_Kabuli_Chr02	NC_021161.1	28519900	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_8595B_28525470	Ca_Kabuli_Chr02	NC_021161.1	28525470	GG	AA	AA	INTERGENIC		
SNP_8596B_28583283	Ca_Kabuli_Chr02	NC_021161.1	28583283	CC	TT	TT	INTERGENIC		
SNP_8597B_28583409	Ca_Kabuli_Chr02	NC_021161.1	28583409	TT	CC	CC	INTERGENIC		
SNP_8598B_28625021	Ca_Kabuli_Chr02	NC_021161.1	28625021	GG	AA	AA	INTERGENIC		
SNP_8599B_28631794	Ca_Kabuli_Chr02	NC_021161.1	28631794	TT	AA	AA	INTERGENIC		
SNP_8600B_28632092	Ca_Kabuli_Chr02	NC_021161.1	28632092	AA	TT	TT	INTERGENIC		
SNP_8601B_28632168	Ca_Kabuli_Chr02	NC_021161.1	28632168	CC	GG	GG	INTERGENIC		
SNP_8602B_28632202	Ca_Kabuli_Chr02	NC_021161.1	28632202	TT	CC	CC	INTERGENIC		
SNP_8603B_28669813	Ca_Kabuli_Chr02	NC_021161.1	28669813	TT	AA	AA	INTRON	101509363	uncharacterized LOC101509363
SNP_8604B_28723066	Ca_Kabuli_Chr02	NC_021161.1	28723066	GG	CC	CC	INTERGENIC		
SNP_8605B_28723705	Ca_Kabuli_Chr02	NC_021161.1	28723705	GG	TT	TT	INTERGENIC		
SNP_8606B_28811493	Ca_Kabuli_Chr02	NC_021161.1	28811493	AA	TT	TT	URR	101496923	uncharacterized LOC101496923
SNP_8607B_28817327	Ca_Kabuli_Chr02	NC_021161.1	28817327	CC	GG	GG	INTERGENIC		
SNP_8608B_28834128	Ca_Kabuli_Chr02	NC_021161.1	28834128	TT	CC	CC	INTERGENIC		
SNP_8609B_28889127	Ca_Kabuli_Chr02	NC_021161.1	28889127	AA	CC	CC	INTERGENIC		
SNP_8610B_28889148	Ca_Kabuli_Chr02	NC_021161.1	28889148	CC	GG	GG	INTERGENIC		
SNP_8611B_28889331	Ca_Kabuli_Chr02	NC_021161.1	28889331	CC	TT	TT	INTERGENIC		
SNP_8612B_28889341	Ca_Kabuli_Chr02	NC_021161.1	28889341	AA	GG	GG	INTERGENIC		
SNP_8613B_28889354	Ca_Kabuli_Chr02	NC_021161.1	28889354	TT	CC	CC	INTERGENIC		
SNP_8614B_28889400	Ca_Kabuli_Chr02	NC_021161.1	28889400	AA	GG	GG	INTERGENIC		
SNP_8615B_28889456	Ca_Kabuli_Chr02	NC_021161.1	28889456	TT	CC	CC	INTERGENIC		
SNP_8616B_28889475	Ca_Kabuli_Chr02	NC_021161.1	28889475	TT	CC	CC	INTERGENIC		
SNP_8617B_28889479	Ca_Kabuli_Chr02	NC_021161.1	28889479	AA	GG	GG	INTERGENIC		
SNP_8618B_28889515	Ca_Kabuli_Chr02	NC_021161.1	28889515	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_8619B_28889522	Ca_Kabuli_Chr02	NC_021161.1	28889522	AA	GG	GG	INTERGENIC		
SNP_8620B_28889542	Ca_Kabuli_Chr02	NC_021161.1	28889542	AA	GG	GG	INTERGENIC		
SNP_8621B_28889566	Ca_Kabuli_Chr02	NC_021161.1	28889566	AA	GG	GG	INTERGENIC		
SNP_8622B_28889590	Ca_Kabuli_Chr02	NC_021161.1	28889590	AA	GG	GG	INTERGENIC		
SNP_8624B_29059832	Ca_Kabuli_Chr02	NC_021161.1	29059832	TT	CC	CC	INTERGENIC		
SNP_8625B_29059876	Ca_Kabuli_Chr02	NC_021161.1	29059876	AA	TT	TT	INTERGENIC		
SNP_8626B_29060081	Ca_Kabuli_Chr02	NC_021161.1	29060081	AA	TT	TT	INTERGENIC		
SNP_8627B_29060099	Ca_Kabuli_Chr02	NC_021161.1	29060099	AA	TT	TT	INTERGENIC		
SNP_8628B_29060172	Ca_Kabuli_Chr02	NC_021161.1	29060172	TT	GG	GG	INTERGENIC		
SNP_8629B_29060284	Ca_Kabuli_Chr02	NC_021161.1	29060284	TT	GG	GG	INTERGENIC		
SNP_8630B_29060325	Ca_Kabuli_Chr02	NC_021161.1	29060325	GG	TT	TT	INTERGENIC		
SNP_8631B_29060339	Ca_Kabuli_Chr02	NC_021161.1	29060339	TT	AA	AA	INTERGENIC		
SNP_8632B_29060396	Ca_Kabuli_Chr02	NC_021161.1	29060396	CC	TT	TT	INTERGENIC		
SNP_8633B_29060407	Ca_Kabuli_Chr02	NC_021161.1	29060407	AA	TT	TT	INTERGENIC		
SNP_8634B_29071105	Ca_Kabuli_Chr02	NC_021161.1	29071105	TT	CC	CC	INTERGENIC		
SNP_8635B_29071270	Ca_Kabuli_Chr02	NC_021161.1	29071270	TT	CC	CC	INTERGENIC		
SNP_8636B_29071303	Ca_Kabuli_Chr02	NC_021161.1	29071303	GG	CC	CC	INTERGENIC		
SNP_8637B_29071501	Ca_Kabuli_Chr02	NC_021161.1	29071501	TT	GG	GG	INTERGENIC		
SNP_8638B_29071573	Ca_Kabuli_Chr02	NC_021161.1	29071573	TT	CC	CC	INTERGENIC		
SNP_8639B_29071803	Ca_Kabuli_Chr02	NC_021161.1	29071803	TT	CC	CC	INTERGENIC		
SNP_8642B_29129366	Ca_Kabuli_Chr02	NC_021161.1	29129366	AA	GG	GG	INTERGENIC		
SNP_8643B_29129398	Ca_Kabuli_Chr02	NC_021161.1	29129398	AA	TT	TT	INTERGENIC		
SNP_8644B_29129407	Ca_Kabuli_Chr02	NC_021161.1	29129407	AA	GG	GG	INTERGENIC		
SNP_8645B_29129421	Ca_Kabuli_Chr02	NC_021161.1	29129421	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_8646B_29129774	Ca_Kabuli_Chr02	NC_021161.1	29129774	GG	CC	CC	INTERGENIC		
SNP_8647B_29142679	Ca_Kabuli_Chr02	NC_021161.1	29142679	CC	GG	GG	DRR	101505837	zinc finger protein 830-like
SNP_8650B_29215239	Ca_Kabuli_Chr02	NC_021161.1	29215239	TT	CC	CC	INTERGENIC		
SNP_8651B_29215729	Ca_Kabuli_Chr02	NC_021161.1	29215729	CC	TT	TT	INTERGENIC		
SNP_8652B_29215730	Ca_Kabuli_Chr02	NC_021161.1	29215730	CC	TT	TT	INTERGENIC		
SNP_8653B_29215736	Ca_Kabuli_Chr02	NC_021161.1	29215736	AA	GG	GG	INTERGENIC		
SNP_8654B_29215751	Ca_Kabuli_Chr02	NC_021161.1	29215751	CC	GG	GG	INTERGENIC		
SNP_8656B_29238615	Ca_Kabuli_Chr02	NC_021161.1	29238615	CC	TT	TT	INTERGENIC		
SNP_8657B_29238681	Ca_Kabuli_Chr02	NC_021161.1	29238681	CC	TT	TT	INTERGENIC		
SNP_8658B_29238699	Ca_Kabuli_Chr02	NC_021161.1	29238699	CC	GG	GG	INTERGENIC		
SNP_8659B_29238721	Ca_Kabuli_Chr02	NC_021161.1	29238721	AA	TT	TT	INTERGENIC		
SNP_8660B_29238778	Ca_Kabuli_Chr02	NC_021161.1	29238778	AA	GG	GG	INTERGENIC		
SNP_8661B_29239142	Ca_Kabuli_Chr02	NC_021161.1	29239142	GG	TT	TT	INTERGENIC		
SNP_8662B_29239175	Ca_Kabuli_Chr02	NC_021161.1	29239175	AA	GG	GG	INTERGENIC		
SNP_8663B_29239219	Ca_Kabuli_Chr02	NC_021161.1	29239219	TT	CC	CC	INTERGENIC		
SNP_8664B_29239294	Ca_Kabuli_Chr02	NC_021161.1	29239294	AA	CC	CC	INTERGENIC		
SNP_8665B_29239467	Ca_Kabuli_Chr02	NC_021161.1	29239467	GG	AA	AA	INTERGENIC		
SNP_8666B_29239557	Ca_Kabuli_Chr02	NC_021161.1	29239557	GG	AA	AA	INTERGENIC		
SNP_8667B_29239560	Ca_Kabuli_Chr02	NC_021161.1	29239560	GG	AA	AA	INTERGENIC		
SNP_8668B_29239612	Ca_Kabuli_Chr02	NC_021161.1	29239612	GG	AA	AA	INTERGENIC		
SNP_8669B_29239722	Ca_Kabuli_Chr02	NC_021161.1	29239722	CC	TT	TT	INTERGENIC		
SNP_8670B_29239727	Ca_Kabuli_Chr02	NC_021161.1	29239727	AA	GG	GG	INTERGENIC		
SNP_8671B_29239857	Ca_Kabuli_Chr02	NC_021161.1	29239857	TT	CC	CC	INTERGENIC		
SNP_8672B_29239937	Ca_Kabuli_Chr02	NC_021161.1	29239937	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_8674B_29240164	Ca_Kabuli_Chr02	NC_021161.1	29240164	TT	CC	CC	INTERGENIC		
SNP_8675B_29240168	Ca_Kabuli_Chr02	NC_021161.1	29240168	TT	GG	GG	INTERGENIC		
SNP_8676B_29240179	Ca_Kabuli_Chr02	NC_021161.1	29240179	GG	AA	AA	INTERGENIC		
SNP_8678B_29240394	Ca_Kabuli_Chr02	NC_021161.1	29240394	CC	TT	TT	INTERGENIC		
SNP_8679B_29240513	Ca_Kabuli_Chr02	NC_021161.1	29240513	TT	CC	CC	INTERGENIC		
SNP_8680B_29240527	Ca_Kabuli_Chr02	NC_021161.1	29240527	AA	GG	GG	INTERGENIC		
SNP_8681B_29240641	Ca_Kabuli_Chr02	NC_021161.1	29240641	GG	TT	TT	INTERGENIC		
SNP_8682B_29240647	Ca_Kabuli_Chr02	NC_021161.1	29240647	GG	AA	AA	INTERGENIC		
SNP_8683B_29240660	Ca_Kabuli_Chr02	NC_021161.1	29240660	AA	GG	GG	INTERGENIC		
SNP_8684B_29240674	Ca_Kabuli_Chr02	NC_021161.1	29240674	GG	AA	AA	INTERGENIC		
SNP_8685B_29240808	Ca_Kabuli_Chr02	NC_021161.1	29240808	AA	TT	TT	INTERGENIC		
SNP_8686B_29241002	Ca_Kabuli_Chr02	NC_021161.1	29241002	TT	AA	AA	INTERGENIC		
SNP_8687B_29241003	Ca_Kabuli_Chr02	NC_021161.1	29241003	GG	TT	TT	INTERGENIC		
SNP_8689B_29253002	Ca_Kabuli_Chr02	NC_021161.1	29253002	GG	AA	AA	INTERGENIC		
SNP_8690B_29278615	Ca_Kabuli_Chr02	NC_021161.1	29278615	CC	AA	AA	INTERGENIC		
SNP_8691B_29278625	Ca_Kabuli_Chr02	NC_021161.1	29278625	GG	AA	AA	INTERGENIC		
SNP_8692B_29278669	Ca_Kabuli_Chr02	NC_021161.1	29278669	TT	CC	CC	INTERGENIC		
SNP_8693B_29278681	Ca_Kabuli_Chr02	NC_021161.1	29278681	GG	AA	AA	INTERGENIC		
SNP_8694B_29278699	Ca_Kabuli_Chr02	NC_021161.1	29278699	GG	AA	AA	INTERGENIC		
SNP_8695B_29278940	Ca_Kabuli_Chr02	NC_021161.1	29278940	TT	AA	AA	INTERGENIC		
SNP_8696B_29289547	Ca_Kabuli_Chr02	NC_021161.1	29289547	AA	GG	GG	INTERGENIC		
SNP_8697B_29289590	Ca_Kabuli_Chr02	NC_021161.1	29289590	AA	GG	GG	INTERGENIC		
SNP_8699B_29411795	Ca_Kabuli_Chr02	NC_021161.1	29411795	AA	TT	TT	INTERGENIC		
SNP_8700B_29412093	Ca_Kabuli_Chr02	NC_021161.1	29412093	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_8701B_29416838	Ca_Kabuli_Chr02	NC_021161.1	29416838	AA	GG	GG	INTERGENIC		
SNP_8702B_29417235	Ca_Kabuli_Chr02	NC_021161.1	29417235	GG	TT	TT	INTERGENIC		
SNP_8704B_29444196	Ca_Kabuli_Chr02	NC_021161.1	29444196	AA	GG	GG	INTERGENIC		
SNP_8705B_29444200	Ca_Kabuli_Chr02	NC_021161.1	29444200	GG	TT	TT	INTERGENIC		
SNP_8707B_29445605	Ca_Kabuli_Chr02	NC_021161.1	29445605	GG	CC	CC	INTERGENIC		
SNP_8708B_29445618	Ca_Kabuli_Chr02	NC_021161.1	29445618	GG	CC	CC	INTERGENIC		
SNP_8709B_29445770	Ca_Kabuli_Chr02	NC_021161.1	29445770	AA	GG	GG	INTERGENIC		
SNP_8711B_29446081	Ca_Kabuli_Chr02	NC_021161.1	29446081	AA	GG	GG	INTERGENIC		
SNP_8712B_29446159	Ca_Kabuli_Chr02	NC_021161.1	29446159	GG	TT	TT	INTERGENIC		
SNP_8713B_29446260	Ca_Kabuli_Chr02	NC_021161.1	29446260	TT	CC	CC	INTERGENIC		
SNP_8714B_29446261	Ca_Kabuli_Chr02	NC_021161.1	29446261	GG	TT	TT	INTERGENIC		
SNP_8715B_29446272	Ca_Kabuli_Chr02	NC_021161.1	29446272	CC	AA	AA	INTERGENIC		
SNP_8716B_29504345	Ca_Kabuli_Chr02	NC_021161.1	29504345	AA	GG	GG	INTERGENIC		
SNP_8717B_29504350	Ca_Kabuli_Chr02	NC_021161.1	29504350	AA	CC	CC	INTERGENIC		
SNP_8718B_29609575	Ca_Kabuli_Chr02	NC_021161.1	29609575	GG	CC	CC	DRR	101493055	protein AAR2 homolog
SNP_8719B_29618464	Ca_Kabuli_Chr02	NC_021161.1	29618464	TT	GG	GG	INTERGENIC		
SNP_8720B_29644870	Ca_Kabuli_Chr02	NC_021161.1	29644870	CC	AA	AA	INTERGENIC		
SNP_8721B_29644871	Ca_Kabuli_Chr02	NC_021161.1	29644871	TT	CC	CC	INTERGENIC		
SNP_8722B_29644872	Ca_Kabuli_Chr02	NC_021161.1	29644872	AA	TT	TT	INTERGENIC		
SNP_8723B_29644885	Ca_Kabuli_Chr02	NC_021161.1	29644885	TT	AA	AA	INTERGENIC		
SNP_8724B_29644900	Ca_Kabuli_Chr02	NC_021161.1	29644900	AA	CC	CC	INTERGENIC		
SNP_8725B_29647507	Ca_Kabuli_Chr02	NC_021161.1	29647507	AA	CC	CC	INTERGENIC		
SNP_8726B_29653667	Ca_Kabuli_Chr02	NC_021161.1	29653667	CC	TT	TT	INTERGENIC		
SNP_8727B_29737529	Ca_Kabuli_Chr02	NC_021161.1	29737529	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_8728B_29737657	Ca_Kabuli_Chr02	NC_021161.1	29737657	CC	TT	TT	INTERGENIC		
SNP_8729B_29737689	Ca_Kabuli_Chr02	NC_021161.1	29737689	TT	CC	CC	INTERGENIC		
SNP_8730B_29737749	Ca_Kabuli_Chr02	NC_021161.1	29737749	CC	TT	TT	INTERGENIC		
SNP_8731B_29737750	Ca_Kabuli_Chr02	NC_021161.1	29737750	TT	CC	CC	INTERGENIC		
SNP_8732B_29737889	Ca_Kabuli_Chr02	NC_021161.1	29737889	CC	TT	TT	INTERGENIC		
SNP_8733B_29738013	Ca_Kabuli_Chr02	NC_021161.1	29738013	AA	CC	CC	INTERGENIC		
SNP_8734B_29738028	Ca_Kabuli_Chr02	NC_021161.1	29738028	AA	GG	GG	INTERGENIC		
SNP_8735B_29738092	Ca_Kabuli_Chr02	NC_021161.1	29738092	TT	CC	CC	INTERGENIC		
SNP_8736B_29738100	Ca_Kabuli_Chr02	NC_021161.1	29738100	CC	TT	TT	INTERGENIC		
SNP_8737B_29738109	Ca_Kabuli_Chr02	NC_021161.1	29738109	CC	AA	AA	INTERGENIC		
SNP_8738B_29738141	Ca_Kabuli_Chr02	NC_021161.1	29738141	TT	CC	CC	INTERGENIC		
SNP_8739B_29738208	Ca_Kabuli_Chr02	NC_021161.1	29738208	GG	TT	TT	DRR	101508726	Unknown function
SNP_8740B_29742485	Ca_Kabuli_Chr02	NC_021161.1	29742485	AA	CC	CC	INTERGENIC		
SNP_8741B_29775578	Ca_Kabuli_Chr02	NC_021161.1	29775578	AA	GG	GG	URR	101509042	aspartic proteinase PCS1-like
SNP_8742B_29775579	Ca_Kabuli_Chr02	NC_021161.1	29775579	TT	AA	AA	URR	101509042	aspartic proteinase PCS1-like
SNP_8743B_29828212	Ca_Kabuli_Chr02	NC_021161.1	29828212	CC	AA	AA	DRR	101497024	Unknown function
SNP_8744B_29829777	Ca_Kabuli_Chr02	NC_021161.1	29829777	TT	CC	CC	URR	101497024	Unknown function
SNP_8745B_29829779	Ca_Kabuli_Chr02	NC_021161.1	29829779	TT	CC	CC	URR	101497024	Unknown function
SNP_8746B_29829800	Ca_Kabuli_Chr02	NC_021161.1	29829800	TT	AA	AA	URR	101497024	Unknown function
SNP_8748B_29834675	Ca_Kabuli_Chr02	NC_021161.1	29834675	AA	GG	GG	INTERGENIC		
SNP_8750B_29868394	Ca_Kabuli_Chr02	NC_021161.1	29868394	TT	AA	AA	URR	101497683	telomere repeat-binding protein 3
SNP_8751B_29868400	Ca_Kabuli_Chr02	NC_021161.1	29868400	CC	GG	GG	URR	101497683	telomere repeat-binding protein 3
SNP_8752B_29912209	Ca_Kabuli_Chr02	NC_021161.1	29912209	CC	GG	GG	DRR	101499754	AP3-complex subunit beta-A
SNP_8753B_29942971	Ca_Kabuli_Chr02	NC_021161.1	29942971	AA	CC	CC	URR	101500709	16 kDa phloem protein 2-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_8754B_29962159	Ca_Kabuli_Chr02	NC_021161.1	29962159	AA	GG	GG	URR	101502195	protein AAR2 homolog
SNP_8755B_29963162	Ca_Kabuli_Chr02	NC_021161.1	29963162	GG	AA	AA	URR	101502195	protein AAR2 homolog
SNP_8756B_29964135	Ca_Kabuli_Chr02	NC_021161.1	29964135	CC	AA	AA	URR	101502195	protein AAR2 homolog
SNP_8757B_29964711	Ca_Kabuli_Chr02	NC_021161.1	29964711	TT	AA	AA	INTERGENIC		
SNP_8758B_30040970	Ca_Kabuli_Chr02	NC_021161.1	30040970	TT	GG	GG	DRR	101504979	leghemoglobin-1-like
SNP_8760B_30075834	Ca_Kabuli_Chr02	NC_021161.1	30075834	TT	CC	CC	INTERGENIC		
SNP_8761B_30092875	Ca_Kabuli_Chr02	NC_021161.1	30092875	AA	CC	CC	URR	101510980	cucumisin-like
SNP_8762B_30094917	Ca_Kabuli_Chr02	NC_021161.1	30094917	AA	TT	TT	INTERGENIC		
SNP_8763B_30095148	Ca_Kabuli_Chr02	NC_021161.1	30095148	TT	AA	AA	INTERGENIC		
SNP_8764B_30095150	Ca_Kabuli_Chr02	NC_021161.1	30095150	TT	CC	CC	INTERGENIC		
SNP_8765B_30095622	Ca_Kabuli_Chr02	NC_021161.1	30095622	AA	GG	GG	INTERGENIC		
SNP_8769B_30097122	Ca_Kabuli_Chr02	NC_021161.1	30097122	GG	AA	AA	INTERGENIC		
SNP_8770B_30112419	Ca_Kabuli_Chr02	NC_021161.1	30112419	GG	AA	AA	INTRON	101511288	cucumisin-like
SNP_8773B_30112621	Ca_Kabuli_Chr02	NC_021161.1	30112621	GG	AA	AA	INTRON	101511288	cucumisin-like
SNP_8774B_30112661	Ca_Kabuli_Chr02	NC_021161.1	30112661	TT	GG	GG	INTRON	101511288	cucumisin-like
SNP_8775B_30127869	Ca_Kabuli_Chr02	NC_021161.1	30127869	TT	AA	AA	INTRON	101511288	cucumisin-like
SNP_8776B_30144442	Ca_Kabuli_Chr02	NC_021161.1	30144442	GG	AA	AA	INTERGENIC		
SNP_8777B_30144493	Ca_Kabuli_Chr02	NC_021161.1	30144493	CC	AA	AA	INTERGENIC		
SNP_8778B_30145231	Ca_Kabuli_Chr02	NC_021161.1	30145231	CC	GG	GG	DRR	101512144	uncharacterized LOC101512144
SNP_8779B_30145319	Ca_Kabuli_Chr02	NC_021161.1	30145319	CC	TT	TT	DRR	101512144	uncharacterized LOC101512144
SNP_8780B_30145549	Ca_Kabuli_Chr02	NC_021161.1	30145549	GG	CC	CC	DRR	101512144	uncharacterized LOC101512144
SNP_8781B_30146187	Ca_Kabuli_Chr02	NC_021161.1	30146187	GG	AA	AA	URR	101511831	UPF0396 protein-like
SNP_8782B_30146287	Ca_Kabuli_Chr02	NC_021161.1	30146287	CC	TT	TT	URR	101511831	UPF0396 protein-like
SNP_8783B_30146362	Ca_Kabuli_Chr02	NC_021161.1	30146362	CC	AA	AA	URR	101511831	UPF0396 protein-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_8784B_30146370	Ca_Kabuli_Chr02	NC_021161.1	30146370	TT	CC	CC	URR	101511831	UPF0396 protein-like
SNP_8785B_30146409	Ca_Kabuli_Chr02	NC_021161.1	30146409	CC	TT	TT	URR	101511831	UPF0396 protein-like
SNP_8786B_30146418	Ca_Kabuli_Chr02	NC_021161.1	30146418	CC	TT	TT	URR	101511831	UPF0396 protein-like
SNP_8787B_30146538	Ca_Kabuli_Chr02	NC_021161.1	30146538	AA	TT	TT	URR	101511831	UPF0396 protein-like
SNP_8788B_30147134	Ca_Kabuli_Chr02	NC_021161.1	30147134	CC	TT	TT	URR	101511831	UPF0396 protein-like
SNP_8789B_30147137	Ca_Kabuli_Chr02	NC_021161.1	30147137	CC	TT	TT	URR	101511831	UPF0396 protein-like
SNP_8791B_30147382	Ca_Kabuli_Chr02	NC_021161.1	30147382	GG	AA	AA	URR	101511831	UPF0396 protein-like
SNP_8792B_30147445	Ca_Kabuli_Chr02	NC_021161.1	30147445	TT	CC	CC	URR	101511831	UPF0396 protein-like
SNP_8793B_30165086	Ca_Kabuli_Chr02	NC_021161.1	30165086	TT	AA	AA	INTERGENIC		
SNP_8794B_30172866	Ca_Kabuli_Chr02	NC_021161.1	30172866	GG	CC	CC	INTERGENIC		
SNP_8795B_30172924	Ca_Kabuli_Chr02	NC_021161.1	30172924	TT	CC	CC	INTERGENIC		
SNP_8796B_30173984	Ca_Kabuli_Chr02	NC_021161.1	30173984	GG	AA	AA	INTERGENIC		
SNP_8797B_30215692	Ca_Kabuli_Chr02	NC_021161.1	30215692	TT	CC	CC	URR	101496493	uncharacterized LOC101496493
SNP_8798B_30308703	Ca_Kabuli_Chr02	NC_021161.1	30308703	CC	TT	TT	INTERGENIC		
SNP_8799B_30314548	Ca_Kabuli_Chr02	NC_021161.1	30314548	CC	TT	TT	INTERGENIC		
SNP_8800B_30314594	Ca_Kabuli_Chr02	NC_021161.1	30314594	CC	TT	TT	INTERGENIC		
SNP_8801B_30337599	Ca_Kabuli_Chr02	NC_021161.1	30337599	TT	GG	GG	INTRON	101489573	60S ribosomal protein L35a-1
SNP_8802B_30339203	Ca_Kabuli_Chr02	NC_021161.1	30339203	AA	GG	GG	URR	101489573	60S ribosomal protein L35a-1
SNP_8804B_30346607	Ca_Kabuli_Chr02	NC_021161.1	30346607	GG	AA	AA	NON_SYNONYMOUS_CODING	101489890	probable sugar phosphate/phosphate translocator At3g11320
SNP_8805B_30348176	Ca_Kabuli_Chr02	NC_021161.1	30348176	TT	CC	CC	SYNONYMOUS_CODING	101489890	probable sugar phosphate/phosphate translocator At3g11320
SNP_8806B_30348342	Ca_Kabuli_Chr02	NC_021161.1	30348342	CC	TT	TT	INTRON	101489890	probable sugar phosphate/phosphate translocator At3g11320
SNP_8807B_30348615	Ca_Kabuli_Chr02	NC_021161.1	30348615	GG	AA	AA	DRR	101497148	Unknown function
SNP_8808B_30352212	Ca_Kabuli_Chr02	NC_021161.1	30352212	TT	AA	AA	INTERGENIC		
SNP_8810B_30355364	Ca_Kabuli_Chr02	NC_021161.1	30355364	GG	AA	AA	DRR	101490227	uncharacterized protein At2g39920-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_8811B_30355368	Ca_Kabuli_Chr02	NC_021161.1	30355368	TT	AA	AA	DRR	101490227	uncharacterized protein At2g39920-like
SNP_8812B_30358173	Ca_Kabuli_Chr02	NC_021161.1	30358173	CC	AA	AA	INTERGENIC		
SNP_8813B_30358185	Ca_Kabuli_Chr02	NC_021161.1	30358185	TT	GG	GG	INTERGENIC		
SNP_8814B_30364025	Ca_Kabuli_Chr02	NC_021161.1	30364025	CC	TT	TT	DRR	101491505	laccase-4-like
SNP_8815B_30364042	Ca_Kabuli_Chr02	NC_021161.1	30364042	GG	AA	AA	DRR	101491505	laccase-4-like
SNP_8816B_30364636	Ca_Kabuli_Chr02	NC_021161.1	30364636	CC	AA	AA	URR	101491193	uncharacterized LOC101491193
SNP_8817B_30364838	Ca_Kabuli_Chr02	NC_021161.1	30364838	TT	CC	CC	URR	101491193	uncharacterized LOC101491193
SNP_8818B_30364839	Ca_Kabuli_Chr02	NC_021161.1	30364839	AA	GG	GG	URR	101491193	uncharacterized LOC101491193
SNP_8819B_30364850	Ca_Kabuli_Chr02	NC_021161.1	30364850	AA	GG	GG	URR	101491193	uncharacterized LOC101491193
SNP_8820B_30364894	Ca_Kabuli_Chr02	NC_021161.1	30364894	GG	TT	TT	URR	101491193	uncharacterized LOC101491193
SNP_8821B_30364902	Ca_Kabuli_Chr02	NC_021161.1	30364902	TT	AA	AA	URR	101491193	uncharacterized LOC101491193
SNP_8822B_30369088	Ca_Kabuli_Chr02	NC_021161.1	30369088	AA	GG	GG	DRR	101491816	rRNA-processing protein fcf2-like
SNP_8824B_30383237	Ca_Kabuli_Chr02	NC_021161.1	30383237	TT	AA	AA	INTERGENIC		
SNP_8825B_30383262	Ca_Kabuli_Chr02	NC_021161.1	30383262	GG	AA	AA	INTERGENIC		
SNP_8826B_30384757	Ca_Kabuli_Chr02	NC_021161.1	30384757	AA	GG	GG	INTERGENIC		
SNP_8827B_30385324	Ca_Kabuli_Chr02	NC_021161.1	30385324	AA	GG	GG	INTERGENIC		
SNP_8828B_30385945	Ca_Kabuli_Chr02	NC_021161.1	30385945	CC	TT	TT	INTERGENIC		
SNP_8829B_30385996	Ca_Kabuli_Chr02	NC_021161.1	30385996	AA	GG	GG	INTERGENIC		
SNP_8830B_30389515	Ca_Kabuli_Chr02	NC_021161.1	30389515	AA	TT	TT	INTRON	101492486	coronatine-insensitive protein 1-like
SNP_8831B_30389653	Ca_Kabuli_Chr02	NC_021161.1	30389653	AA	TT	TT	INTRON	101492486	coronatine-insensitive protein 1-like
SNP_8832B_30389678	Ca_Kabuli_Chr02	NC_021161.1	30389678	GG	AA	AA	INTRON	101492486	coronatine-insensitive protein 1-like
SNP_8833B_30394004	Ca_Kabuli_Chr02	NC_021161.1	30394004	TT	GG	GG	URR	101492486	coronatine-insensitive protein 1-like
SNP_8837B_30401943	Ca_Kabuli_Chr02	NC_021161.1	30401943	AA	TT	TT	INTERGENIC		
SNP_8838B_30402186	Ca_Kabuli_Chr02	NC_021161.1	30402186	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_8839B_30402905	Ca_Kabuli_Chr02	NC_021161.1	30402905	GG	TT	TT	DRR	101492819	uncharacterized LOC101492819
SNP_8842B_30410235	Ca_Kabuli_Chr02	NC_021161.1	30410235	CC	TT	TT	URR	101492819	uncharacterized LOC101492819
SNP_8843B_30410490	Ca_Kabuli_Chr02	NC_021161.1	30410490	GG	CC	CC	URR	101492819	uncharacterized LOC101492819
SNP_8844B_30410492	Ca_Kabuli_Chr02	NC_021161.1	30410492	CC	TT	TT	URR	101492819	uncharacterized LOC101492819
SNP_8846B_30410624	Ca_Kabuli_Chr02	NC_021161.1	30410624	GG	CC	CC	URR	101492819	uncharacterized LOC101492819
SNP_8847B_30410703	Ca_Kabuli_Chr02	NC_021161.1	30410703	CC	TT	TT	URR	101492819	uncharacterized LOC101492819
SNP_8848B_30410962	Ca_Kabuli_Chr02	NC_021161.1	30410962	TT	CC	CC	URR	101492819	uncharacterized LOC101492819
SNP_8849B_30414121	Ca_Kabuli_Chr02	NC_021161.1	30414121	TT	GG	GG	INTRON	101493148	probable signal peptidase complex subunit 2
SNP_8852B_30429516	Ca_Kabuli_Chr02	NC_021161.1	30429516	TT	AA	AA	INTERGENIC		
SNP_8853B_30432465	Ca_Kabuli_Chr02	NC_021161.1	30432465	GG	AA	AA	INTERGENIC		
SNP_8855B_30435214	Ca_Kabuli_Chr02	NC_021161.1	30435214	AA	CC	CC	INTERGENIC		
SNP_8856B_30435276	Ca_Kabuli_Chr02	NC_021161.1	30435276	CC	GG	GG	INTERGENIC		
SNP_8857B_30435491	Ca_Kabuli_Chr02	NC_021161.1	30435491	AA	TT	TT	INTERGENIC		
SNP_8858B_30435540	Ca_Kabuli_Chr02	NC_021161.1	30435540	AA	TT	TT	INTERGENIC		
SNP_8859B_30435541	Ca_Kabuli_Chr02	NC_021161.1	30435541	CC	TT	TT	INTERGENIC		
SNP_8860B_30435551	Ca_Kabuli_Chr02	NC_021161.1	30435551	CC	TT	TT	INTERGENIC		
SNP_8861B_30445766	Ca_Kabuli_Chr02	NC_021161.1	30445766	AA	CC	CC	INTERGENIC		
SNP_8862B_30445774	Ca_Kabuli_Chr02	NC_021161.1	30445774	CC	TT	TT	INTERGENIC		
SNP_8863B_30445788	Ca_Kabuli_Chr02	NC_021161.1	30445788	AA	GG	GG	INTERGENIC		
SNP_8865B_30446144	Ca_Kabuli_Chr02	NC_021161.1	30446144	TT	AA	AA	INTERGENIC		
SNP_8869B_30449144	Ca_Kabuli_Chr02	NC_021161.1	30449144	CC	TT	TT	INTERGENIC		
SNP_8871B_30449745	Ca_Kabuli_Chr02	NC_021161.1	30449745	GG	AA	AA	DRR	101494335	uncharacterized LOC101494335
SNP_8872B_30450135	Ca_Kabuli_Chr02	NC_021161.1	30450135	AA	GG	GG	DRR	101494335	uncharacterized LOC101494335
SNP_8873B_30450139	Ca_Kabuli_Chr02	NC_021161.1	30450139	TT	CC	CC	DRR	101494335	uncharacterized LOC101494335

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_8874B_30450156	Ca_Kabuli_Chr02	NC_021161.1	30450156	GG	CC	CC	DRR	101494335	uncharacterized LOC101494335
SNP_8875B_30450168	Ca_Kabuli_Chr02	NC_021161.1	30450168	AA	GG	GG	DRR	101494335	uncharacterized LOC101494335
SNP_8876B_30450437	Ca_Kabuli_Chr02	NC_021161.1	30450437	TT	AA	AA	DRR	101494335	uncharacterized LOC101494335
SNP_8877B_30457497	Ca_Kabuli_Chr02	NC_021161.1	30457497	CC	TT	TT	DRR	101494967	WUSCHEL-related homeobox 5-like
SNP_8878B_30457498	Ca_Kabuli_Chr02	NC_021161.1	30457498	CC	GG	GG	DRR	101494967	WUSCHEL-related homeobox 5-like
SNP_8879B_30457530	Ca_Kabuli_Chr02	NC_021161.1	30457530	GG	AA	AA	URR	101494647	26S proteasome non-ATPase regulatory subunit 7 homolog A
SNP_8882B_30464084	Ca_Kabuli_Chr02	NC_021161.1	30464084	TT	CC	CC	INTERGENIC		
SNP_8884B_30464384	Ca_Kabuli_Chr02	NC_021161.1	30464384	AA	GG	GG	INTERGENIC		
SNP_8885B_30478180	Ca_Kabuli_Chr02	NC_021161.1	30478180	CC	GG	GG	DRR	101495619	probable aquaporin PIP-type 7a
SNP_8886B_30478822	Ca_Kabuli_Chr02	NC_021161.1	30478822	CC	GG	GG	DRR	101495619	probable aquaporin PIP-type 7a
SNP_8887B_30478833	Ca_Kabuli_Chr02	NC_021161.1	30478833	GG	AA	AA	DRR	101495619	probable aquaporin PIP-type 7a
SNP_8890B_30489742	Ca_Kabuli_Chr02	NC_021161.1	30489742	CC	TT	TT	INTERGENIC		
SNP_8891B_30489751	Ca_Kabuli_Chr02	NC_021161.1	30489751	GG	AA	AA	INTERGENIC		
SNP_8892B_30489763	Ca_Kabuli_Chr02	NC_021161.1	30489763	TT	CC	CC	INTERGENIC		
SNP_8893B_30489764	Ca_Kabuli_Chr02	NC_021161.1	30489764	AA	TT	TT	INTERGENIC		
SNP_8894B_30490958	Ca_Kabuli_Chr02	NC_021161.1	30490958	CC	GG	GG	INTERGENIC		
SNP_8895B_30491027	Ca_Kabuli_Chr02	NC_021161.1	30491027	AA	CC	CC	INTERGENIC		
SNP_8898B_30500305	Ca_Kabuli_Chr02	NC_021161.1	30500305	TT	AA	AA	INTERGENIC		
SNP_8899B_30500318	Ca_Kabuli_Chr02	NC_021161.1	30500318	TT	AA	AA	INTERGENIC		
SNP_8900B_30500387	Ca_Kabuli_Chr02	NC_021161.1	30500387	GG	AA	AA	INTERGENIC		
SNP_8901B_30500423	Ca_Kabuli_Chr02	NC_021161.1	30500423	TT	CC	CC	INTERGENIC		
SNP_8902B_30500540	Ca_Kabuli_Chr02	NC_021161.1	30500540	TT	CC	CC	INTERGENIC		
SNP_8903B_30500623	Ca_Kabuli_Chr02	NC_021161.1	30500623	AA	GG	GG	INTERGENIC		
SNP_8904B_30506388	Ca_Kabuli_Chr02	NC_021161.1	30506388	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_8905B_30510062	Ca_Kabuli_Chr02	NC_021161.1	30510062	TT	AA	AA	DRR	101410590	transfer RNA aspartic acid (anticodon GUC)
SNP_8906B_30510100	Ca_Kabuli_Chr02	NC_021161.1	30510100	TT	CC	CC	DRR	101410590	transfer RNA aspartic acid (anticodon GUC)
SNP_8908B_30512082	Ca_Kabuli_Chr02	NC_021161.1	30512082	CC	TT	TT	URR	101410590	transfer RNA aspartic acid (anticodon GUC)
SNP_8909B_30512103	Ca_Kabuli_Chr02	NC_021161.1	30512103	GG	TT	TT	URR	101410590	transfer RNA aspartic acid (anticodon GUC)
SNP_8910B_30512126	Ca_Kabuli_Chr02	NC_021161.1	30512126	CC	TT	TT	URR	101410590	transfer RNA aspartic acid (anticodon GUC)
SNP_8911B_30517251	Ca_Kabuli_Chr02	NC_021161.1	30517251	AA	GG	GG	INTERGENIC		
SNP_8913B_30526953	Ca_Kabuli_Chr02	NC_021161.1	30526953	TT	GG	GG	INTERGENIC		
SNP_8915B_30527434	Ca_Kabuli_Chr02	NC_021161.1	30527434	AA	GG	GG	INTERGENIC		
SNP_8916B_30527720	Ca_Kabuli_Chr02	NC_021161.1	30527720	GG	TT	TT	INTERGENIC		
SNP_8917B_30538406	Ca_Kabuli_Chr02	NC_021161.1	30538406	CC	AA	AA	INTRON	101497480	60S acidic ribosomal protein P0-like
SNP_8918B_30549060	Ca_Kabuli_Chr02	NC_021161.1	30549060	CC	TT	TT	INTERGENIC		
SNP_8919B_30550831	Ca_Kabuli_Chr02	NC_021161.1	30550831	CC	TT	TT	INTERGENIC		
SNP_8921B_30553439	Ca_Kabuli_Chr02	NC_021161.1	30553439	CC	AA	AA	INTERGENIC		
SNP_8922B_30553442	Ca_Kabuli_Chr02	NC_021161.1	30553442	GG	CC	CC	INTERGENIC		
SNP_8924B_30556045	Ca_Kabuli_Chr02	NC_021161.1	30556045	AA	CC	CC	INTERGENIC		
SNP_8925B_30556686	Ca_Kabuli_Chr02	NC_021161.1	30556686	AA	GG	GG	INTERGENIC		
SNP_8926B_30558837	Ca_Kabuli_Chr02	NC_021161.1	30558837	TT	CC	CC	INTERGENIC		
SNP_8928B_30563506	Ca_Kabuli_Chr02	NC_021161.1	30563506	AA	GG	GG	INTERGENIC		
SNP_8929B_30564579	Ca_Kabuli_Chr02	NC_021161.1	30564579	CC	TT	TT	INTERGENIC		
SNP_8933B_30569249	Ca_Kabuli_Chr02	NC_021161.1	30569249	AA	CC	CC	INTRON	101497816	auxin transporter-like protein 1
SNP_8934B_30569770	Ca_Kabuli_Chr02	NC_021161.1	30569770	CC	TT	TT	INTRON	101497816	auxin transporter-like protein 1
SNP_8935B_30574147	Ca_Kabuli_Chr02	NC_021161.1	30574147	AA	GG	GG	URR	101497816	auxin transporter-like protein 1
SNP_8936B_30574550	Ca_Kabuli_Chr02	NC_021161.1	30574550	CC	AA	AA	DRR	101498341	uncharacterized LOC101498341
SNP_8938B_30581695	Ca_Kabuli_Chr02	NC_021161.1	30581695	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_8939B_30582181	Ca_Kabuli_Chr02	NC_021161.1	30582181	CC	AA	AA	INTERGENIC		
SNP_8940B_30582183	Ca_Kabuli_Chr02	NC_021161.1	30582183	TT	CC	CC	INTERGENIC		
SNP_8941B_30582730	Ca_Kabuli_Chr02	NC_021161.1	30582730	AA	GG	GG	INTERGENIC		
SNP_8942B_30586296	Ca_Kabuli_Chr02	NC_021161.1	30586296	TT	AA	AA	URR	101500172	probable zinc metalloprotease EGY2, chloroplastic
SNP_8943B_30586300	Ca_Kabuli_Chr02	NC_021161.1	30586300	TT	AA	AA	URR	101500172	probable zinc metalloprotease EGY2, chloroplastic
SNP_8944B_30589233	Ca_Kabuli_Chr02	NC_021161.1	30589233	GG	CC	CC	DRR	101500490	pleckstrin homology domain-containing protein 1
SNP_8945B_30617983	Ca_Kabuli_Chr02	NC_021161.1	30617983	AA	GG	GG	URR	101500812	mucin-17-like
SNP_8946B_30618263	Ca_Kabuli_Chr02	NC_021161.1	30618263	TT	CC	CC	URR	101500812	mucin-17-like
SNP_8947B_30620532	Ca_Kabuli_Chr02	NC_021161.1	30620532	CC	TT	TT	INTRON	101501133	protein yippee-like
SNP_8948B_30620900	Ca_Kabuli_Chr02	NC_021161.1	30620900	CC	AA	AA	INTRON	101501133	protein yippee-like
SNP_8949B_30620914	Ca_Kabuli_Chr02	NC_021161.1	30620914	GG	AA	AA	INTRON	101501133	protein yippee-like
SNP_8950B_30620943	Ca_Kabuli_Chr02	NC_021161.1	30620943	CC	TT	TT	INTRON	101501133	protein yippee-like
SNP_8951B_30620951	Ca_Kabuli_Chr02	NC_021161.1	30620951	AA	GG	GG	INTRON	101501133	protein yippee-like
SNP_8952B_30621227	Ca_Kabuli_Chr02	NC_021161.1	30621227	GG	TT	TT	INTRON	101501133	protein yippee-like
SNP_8953B_30621337	Ca_Kabuli_Chr02	NC_021161.1	30621337	CC	TT	TT	INTRON	101501133	protein yippee-like
SNP_8954B_30621802	Ca_Kabuli_Chr02	NC_021161.1	30621802	CC	TT	TT	INTRON	101501133	protein yippee-like
SNP_8955B_30621818	Ca_Kabuli_Chr02	NC_021161.1	30621818	TT	CC	CC	INTRON	101501133	protein yippee-like
SNP_8957B_30632708	Ca_Kabuli_Chr02	NC_021161.1	30632708	GG	CC	CC	INTERGENIC		
SNP_8958B_30632728	Ca_Kabuli_Chr02	NC_021161.1	30632728	CC	TT	TT	INTERGENIC		
SNP_8959B_30643098	Ca_Kabuli_Chr02	NC_021161.1	30643098	GG	CC	CC	INTERGENIC		
SNP_8960B_30643129	Ca_Kabuli_Chr02	NC_021161.1	30643129	AA	GG	GG	INTERGENIC		
SNP_8961B_30643134	Ca_Kabuli_Chr02	NC_021161.1	30643134	GG	AA	AA	INTERGENIC		
SNP_8962B_30648536	Ca_Kabuli_Chr02	NC_021161.1	30648536	TT	CC	CC	INTERGENIC		
SNP_8963B_30648539	Ca_Kabuli_Chr02	NC_021161.1	30648539	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_8964B_30648707	Ca_Kabuli_Chr02	NC_021161.1	30648707	AA	GG	GG	INTERGENIC		
SNP_8965B_30657357	Ca_Kabuli_Chr02	NC_021161.1	30657357	AA	GG	GG	INTERGENIC		
SNP_8967B_30665394	Ca_Kabuli_Chr02	NC_021161.1	30665394	AA	GG	GG	INTRON	101502086	cytochrome P450 90A1
SNP_8968B_30665436	Ca_Kabuli_Chr02	NC_021161.1	30665436	CC	GG	GG	INTRON	101502086	cytochrome P450 90A1
SNP_8970B_30670035	Ca_Kabuli_Chr02	NC_021161.1	30670035	AA	TT	TT	SYNONYMOUS_CODING	101502086	cytochrome P450 90A1
SNP_8972B_30671578	Ca_Kabuli_Chr02	NC_021161.1	30671578	AA	GG	GG	URR	101502086	cytochrome P450 90A1
SNP_8973B_30676246	Ca_Kabuli_Chr02	NC_021161.1	30676246	GG	AA	AA	INTERGENIC		
SNP_8974B_30676250	Ca_Kabuli_Chr02	NC_021161.1	30676250	CC	TT	TT	INTERGENIC		
SNP_8976B_30676717	Ca_Kabuli_Chr02	NC_021161.1	30676717	AA	GG	GG	INTERGENIC		
SNP_8978B_30677832	Ca_Kabuli_Chr02	NC_021161.1	30677832	TT	CC	CC	INTERGENIC		
SNP_8979B_30680908	Ca_Kabuli_Chr02	NC_021161.1	30680908	AA	GG	GG	INTERGENIC		
SNP_8980B_30681192	Ca_Kabuli_Chr02	NC_021161.1	30681192	CC	TT	TT	INTERGENIC		
SNP_8981B_30687220	Ca_Kabuli_Chr02	NC_021161.1	30687220	GG	AA	AA	NON_SYNONYMOUS_CODING	101502615	cytosolic purine 5'-nucleotidase-like
SNP_8982B_30687223	Ca_Kabuli_Chr02	NC_021161.1	30687223	TT	CC	CC	NON_SYNONYMOUS_CODING	101502615	cytosolic purine 5'-nucleotidase-like
SNP_8983B_30687225	Ca_Kabuli_Chr02	NC_021161.1	30687225	AA	GG	GG	NON_SYNONYMOUS_CODING	101502615	cytosolic purine 5'-nucleotidase-like
SNP_8984B_30687263	Ca_Kabuli_Chr02	NC_021161.1	30687263	CC	TT	TT	SYNONYMOUS_CODING	101502615	cytosolic purine 5'-nucleotidase-like
SNP_8985B_30690609	Ca_Kabuli_Chr02	NC_021161.1	30690609	CC	AA	AA	URR	101502615	cytosolic purine 5'-nucleotidase-like
SNP_8986B_30696081	Ca_Kabuli_Chr02	NC_021161.1	30696081	TT	CC	CC	DRR	101503142	FACT complex subunit SSRP1-like
SNP_8987B_30703327	Ca_Kabuli_Chr02	NC_021161.1	30703327	AA	GG	GG	URR	101503142	FACT complex subunit SSRP1-like
SNP_8988B_30704589	Ca_Kabuli_Chr02	NC_021161.1	30704589	GG	AA	AA	URR	101503142	FACT complex subunit SSRP1-like
SNP_8989B_30704627	Ca_Kabuli_Chr02	NC_021161.1	30704627	CC	TT	TT	URR	101503142	FACT complex subunit SSRP1-like
SNP_8991B_30704685	Ca_Kabuli_Chr02	NC_021161.1	30704685	CC	GG	GG	URR	101503142	FACT complex subunit SSRP1-like
SNP_8992B_30710170	Ca_Kabuli_Chr02	NC_021161.1	30710170	GG	AA	AA	DRR	101504327	phosphoinositide phospholipase C 6-like
SNP_8993B_30716266	Ca_Kabuli_Chr02	NC_021161.1	30716266	TT	CC	CC	NON_SYNONYMOUS_CODING	101504327	phosphoinositide phospholipase C 6-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_8994B_30719590	Ca_Kabuli_Chr02	NC_021161.1	30719590	AA	GG	GG	INTERGENIC		
SNP_8995B_30719909	Ca_Kabuli_Chr02	NC_021161.1	30719909	CC	TT	TT	INTERGENIC		
SNP_8996B_30732467	Ca_Kabuli_Chr02	NC_021161.1	30732467	CC	AA	AA	SYNONYMOUS_CODING	101504660	phosphoinositide phospholipase C 2-like
SNP_8997B_30738524	Ca_Kabuli_Chr02	NC_021161.1	30738524	TT	AA	AA	URR	101504660	phosphoinositide phospholipase C 2-like
SNP_9000B_30743388	Ca_Kabuli_Chr02	NC_021161.1	30743388	AA	GG	GG	URR	101504980	putative serine/threonine-protein kinase-like protein CCR3
SNP_9002B_30772363	Ca_Kabuli_Chr02	NC_021161.1	30772363	GG	TT	TT	URR	101489891	carboxy-terminal domain RNA polymerase II polypeptide A small phosphatase 1-like
SNP_9003B_30772368	Ca_Kabuli_Chr02	NC_021161.1	30772368	TT	AA	AA	URR	101489891	carboxy-terminal domain RNA polymerase II polypeptide A small phosphatase 1-like
SNP_9004B_30772434	Ca_Kabuli_Chr02	NC_021161.1	30772434	GG	AA	AA	URR	101489891	carboxy-terminal domain RNA polymerase II polypeptide A small phosphatase 1-like
SNP_9005B_30772445	Ca_Kabuli_Chr02	NC_021161.1	30772445	CC	TT	TT	URR	101489891	carboxy-terminal domain RNA polymerase II polypeptide A small phosphatase 1-like
SNP_9006B_30776091	Ca_Kabuli_Chr02	NC_021161.1	30776091	AA	GG	GG	INTERGENIC		
SNP_9007B_30776114	Ca_Kabuli_Chr02	NC_021161.1	30776114	TT	AA	AA	INTERGENIC		
SNP_9008B_30778843	Ca_Kabuli_Chr02	NC_021161.1	30778843	TT	AA	AA	INTERGENIC		
SNP_9009B_30785598	Ca_Kabuli_Chr02	NC_021161.1	30785598	TT	AA	AA	INTERGENIC		
SNP_9010B_30785615	Ca_Kabuli_Chr02	NC_021161.1	30785615	AA	GG	GG	INTERGENIC		
SNP_9012B_30785631	Ca_Kabuli_Chr02	NC_021161.1	30785631	AA	GG	GG	INTERGENIC		
SNP_9013B_30785811	Ca_Kabuli_Chr02	NC_021161.1	30785811	CC	TT	TT	INTERGENIC		
SNP_9014B_30789749	Ca_Kabuli_Chr02	NC_021161.1	30789749	TT	AA	AA	INTERGENIC		
SNP_9015B_30791106	Ca_Kabuli_Chr02	NC_021161.1	30791106	AA	CC	CC	INTERGENIC		
SNP_9016B_30791345	Ca_Kabuli_Chr02	NC_021161.1	30791345	TT	CC	CC	INTERGENIC		
SNP_9017B_30791939	Ca_Kabuli_Chr02	NC_021161.1	30791939	CC	AA	AA	INTERGENIC		
SNP_9018B_30793932	Ca_Kabuli_Chr02	NC_021161.1	30793932	AA	GG	GG	INTERGENIC		
SNP_9019B_30793933	Ca_Kabuli_Chr02	NC_021161.1	30793933	TT	CC	CC	INTERGENIC		
SNP_9021B_30795247	Ca_Kabuli_Chr02	NC_021161.1	30795247	TT	CC	CC	INTERGENIC		
SNP_9022B_30798510	Ca_Kabuli_Chr02	NC_021161.1	30798510	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_9023B_30798540	Ca_Kabuli_Chr02	NC_021161.1	30798540	TT	CC	CC	INTERGENIC		
SNP_9024B_30798569	Ca_Kabuli_Chr02	NC_021161.1	30798569	AA	TT	TT	INTERGENIC		
SNP_9025B_30798574	Ca_Kabuli_Chr02	NC_021161.1	30798574	CC	TT	TT	INTERGENIC		
SNP_9026B_30798610	Ca_Kabuli_Chr02	NC_021161.1	30798610	GG	AA	AA	INTERGENIC		
SNP_9027B_30798627	Ca_Kabuli_Chr02	NC_021161.1	30798627	AA	GG	GG	INTERGENIC		
SNP_9029B_30805042	Ca_Kabuli_Chr02	NC_021161.1	30805042	AA	TT	TT	URR	101489574	dual specificity tyrosine-phosphorylation-regulated kinase 2
SNP_9030B_30805064	Ca_Kabuli_Chr02	NC_021161.1	30805064	CC	TT	TT	URR	101489574	dual specificity tyrosine-phosphorylation-regulated kinase 2
SNP_9032B_30806855	Ca_Kabuli_Chr02	NC_021161.1	30806855	TT	AA	AA	INTERGENIC		
SNP_9033B_30819999	Ca_Kabuli_Chr02	NC_021161.1	30819999	CC	TT	TT	INTERGENIC		
SNP_9034B_30820057	Ca_Kabuli_Chr02	NC_021161.1	30820057	TT	GG	GG	INTERGENIC		
SNP_9035B_30820101	Ca_Kabuli_Chr02	NC_021161.1	30820101	GG	AA	AA	INTERGENIC		
SNP_9036B_30820156	Ca_Kabuli_Chr02	NC_021161.1	30820156	CC	TT	TT	INTERGENIC		
SNP_9037B_30820237	Ca_Kabuli_Chr02	NC_021161.1	30820237	GG	TT	TT	INTERGENIC		
SNP_9038B_30820324	Ca_Kabuli_Chr02	NC_021161.1	30820324	AA	GG	GG	INTERGENIC		
SNP_9039B_30820884	Ca_Kabuli_Chr02	NC_021161.1	30820884	AA	GG	GG	INTERGENIC		
SNP_9040B_30820891	Ca_Kabuli_Chr02	NC_021161.1	30820891	TT	CC	CC	INTERGENIC		
SNP_9041B_30822374	Ca_Kabuli_Chr02	NC_021161.1	30822374	CC	TT	TT	INTERGENIC		
SNP_9042B_30822644	Ca_Kabuli_Chr02	NC_021161.1	30822644	TT	CC	CC	INTERGENIC		
SNP_9043B_30831569	Ca_Kabuli_Chr02	NC_021161.1	30831569	GG	AA	AA	INTERGENIC		
SNP_9044B_30831594	Ca_Kabuli_Chr02	NC_021161.1	30831594	AA	CC	CC	INTERGENIC		
SNP_9045B_30831625	Ca_Kabuli_Chr02	NC_021161.1	30831625	CC	AA	AA	INTERGENIC		
SNP_9046B_30831628	Ca_Kabuli_Chr02	NC_021161.1	30831628	GG	AA	AA	INTERGENIC		
SNP_9047B_30831843	Ca_Kabuli_Chr02	NC_021161.1	30831843	CC	TT	TT	INTERGENIC		
SNP_9048B_30834695	Ca_Kabuli_Chr02	NC_021161.1	30834695	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_9049B_30834880	Ca_Kabuli_Chr02	NC_021161.1	30834880	TT	CC	CC	INTERGENIC		
SNP_9050B_30834889	Ca_Kabuli_Chr02	NC_021161.1	30834889	AA	TT	TT	INTERGENIC		
SNP_9051B_30834945	Ca_Kabuli_Chr02	NC_021161.1	30834945	CC	TT	TT	INTERGENIC		
SNP_9053B_30836851	Ca_Kabuli_Chr02	NC_021161.1	30836851	AA	GG	GG	INTERGENIC		
SNP_9054B_30836899	Ca_Kabuli_Chr02	NC_021161.1	30836899	CC	TT	TT	INTERGENIC		
SNP_9055B_30836912	Ca_Kabuli_Chr02	NC_021161.1	30836912	AA	GG	GG	INTERGENIC		
SNP_9056B_30836955	Ca_Kabuli_Chr02	NC_021161.1	30836955	CC	TT	TT	INTERGENIC		
SNP_9057B_30837083	Ca_Kabuli_Chr02	NC_021161.1	30837083	TT	AA	AA	INTERGENIC		
SNP_9058B_30837108	Ca_Kabuli_Chr02	NC_021161.1	30837108	CC	TT	TT	INTERGENIC		
SNP_9059B_30839720	Ca_Kabuli_Chr02	NC_021161.1	30839720	CC	GG	GG	INTERGENIC		
SNP_9060B_30839733	Ca_Kabuli_Chr02	NC_021161.1	30839733	TT	CC	CC	INTERGENIC		
SNP_9061B_30839798	Ca_Kabuli_Chr02	NC_021161.1	30839798	TT	CC	CC	INTERGENIC		
SNP_9063B_30843814	Ca_Kabuli_Chr02	NC_021161.1	30843814	AA	CC	CC	INTRON	101489251	protein SRG1-like
SNP_9064B_30843823	Ca_Kabuli_Chr02	NC_021161.1	30843823	AA	CC	CC	INTRON	101489251	protein SRG1-like
SNP_9066B_30844344	Ca_Kabuli_Chr02	NC_021161.1	30844344	TT	CC	CC	INTRON	101489251	protein SRG1-like
SNP_9067B_30848630	Ca_Kabuli_Chr02	NC_021161.1	30848630	GG	AA	AA	URR	101489251	protein SRG1-like
SNP_9070B_30861538	Ca_Kabuli_Chr02	NC_021161.1	30861538	GG	TT	TT	INTERGENIC		
SNP_9072B_30865235	Ca_Kabuli_Chr02	NC_021161.1	30865235	AA	GG	GG	DRR	101488929	zinc finger CCCH domain-containing protein 29
SNP_9073B_30870068	Ca_Kabuli_Chr02	NC_021161.1	30870068	AA	CC	CC	DRR	101488378	lethal(2) giant larvae protein homolog SRO77
SNP_9074B_30870069	Ca_Kabuli_Chr02	NC_021161.1	30870069	TT	CC	CC	DRR	101488378	lethal(2) giant larvae protein homolog SRO77
SNP_9075B_30870455	Ca_Kabuli_Chr02	NC_021161.1	30870455	TT	GG	GG	URR	101488929	zinc finger CCCH domain-containing protein 29
SNP_9076B_30870944	Ca_Kabuli_Chr02	NC_021161.1	30870944	CC	TT	TT	INTERGENIC		
SNP_9077B_30870963	Ca_Kabuli_Chr02	NC_021161.1	30870963	GG	AA	AA	INTERGENIC		
SNP_9078B_30871313	Ca_Kabuli_Chr02	NC_021161.1	30871313	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_9079B_30874043	Ca_Kabuli_Chr02	NC_021161.1	30874043	TT	AA	AA	INTRON	101488378	lethal(2) giant larvae protein homolog SRO77
SNP_9080B_30874713	Ca_Kabuli_Chr02	NC_021161.1	30874713	CC	TT	TT	SYNONYMOUS_CODING	101488378	lethal(2) giant larvae protein homolog SRO77
SNP_9081B_30875730	Ca_Kabuli_Chr02	NC_021161.1	30875730	TT	CC	CC	INTRON	101488378	lethal(2) giant larvae protein homolog SRO77
SNP_9082B_30878702	Ca_Kabuli_Chr02	NC_021161.1	30878702	CC	TT	TT	INTRON	101488378	lethal(2) giant larvae protein homolog SRO77
SNP_9083B_30878743	Ca_Kabuli_Chr02	NC_021161.1	30878743	AA	CC	CC	INTRON	101488378	lethal(2) giant larvae protein homolog SRO77
SNP_9084B_30887452	Ca_Kabuli_Chr02	NC_021161.1	30887452	TT	CC	CC	INTERGENIC		
SNP_9085B_30887575	Ca_Kabuli_Chr02	NC_021161.1	30887575	CC	TT	TT	INTERGENIC		
SNP_9086B_30887938	Ca_Kabuli_Chr02	NC_021161.1	30887938	AA	TT	TT	INTERGENIC		
SNP_9087B_30887942	Ca_Kabuli_Chr02	NC_021161.1	30887942	TT	AA	AA	INTERGENIC		
SNP_9088B_30887944	Ca_Kabuli_Chr02	NC_021161.1	30887944	AA	CC	CC	INTERGENIC		
SNP_9089B_30889371	Ca_Kabuli_Chr02	NC_021161.1	30889371	GG	AA	AA	INTERGENIC		
SNP_9090B_30889376	Ca_Kabuli_Chr02	NC_021161.1	30889376	CC	TT	TT	INTERGENIC		
SNP_9091B_30889603	Ca_Kabuli_Chr02	NC_021161.1	30889603	AA	GG	GG	INTERGENIC		
SNP_9092B_30889608	Ca_Kabuli_Chr02	NC_021161.1	30889608	GG	AA	AA	INTERGENIC		
SNP_9093B_30889642	Ca_Kabuli_Chr02	NC_021161.1	30889642	GG	AA	AA	INTERGENIC		
SNP_9094B_30890017	Ca_Kabuli_Chr02	NC_021161.1	30890017	GG	CC	CC	INTERGENIC		
SNP_9095B_30890021	Ca_Kabuli_Chr02	NC_021161.1	30890021	AA	TT	TT	INTERGENIC		
SNP_9096B_30890035	Ca_Kabuli_Chr02	NC_021161.1	30890035	TT	CC	CC	INTERGENIC		
SNP_9097B_30890061	Ca_Kabuli_Chr02	NC_021161.1	30890061	AA	CC	CC	INTERGENIC		
SNP_9098B_30890113	Ca_Kabuli_Chr02	NC_021161.1	30890113	AA	TT	TT	INTERGENIC		
SNP_9100B_30890174	Ca_Kabuli_Chr02	NC_021161.1	30890174	CC	TT	TT	INTERGENIC		
SNP_9102B_30890510	Ca_Kabuli_Chr02	NC_021161.1	30890510	CC	AA	AA	DRR	101515623	gibberellin 2-beta-dioxygenase 1
SNP_9103B_30894575	Ca_Kabuli_Chr02	NC_021161.1	30894575	TT	CC	CC	URR	101515623	gibberellin 2-beta-dioxygenase 1
SNP_9105B_30912722	Ca_Kabuli_Chr02	NC_021161.1	30912722	CC	AA	AA	INTRON	101499129	anaphase-promoting complex subunit 1

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_9108B_30919973	Ca_Kabuli_Chr02	NC_021161.1	30919973	CC	TT	TT	INTRON	101499129	anaphase-promoting complex subunit 1
SNP_9109B_30922708	Ca_Kabuli_Chr02	NC_021161.1	30922708	TT	CC	CC	INTRON	101499129	anaphase-promoting complex subunit 1
SNP_9110B_30930318	Ca_Kabuli_Chr02	NC_021161.1	30930318	AA	GG	GG	INTRON	101499129	anaphase-promoting complex subunit 1
SNP_9111B_30933736	Ca_Kabuli_Chr02	NC_021161.1	30933736	TT	CC	CC	URR	101499129	anaphase-promoting complex subunit 1
SNP_9114B_30936920	Ca_Kabuli_Chr02	NC_021161.1	30936920	TT	CC	CC	INTERGENIC		
SNP_9115B_30943783	Ca_Kabuli_Chr02	NC_021161.1	30943783	GG	AA	AA	DRR	101514746	clathrin heavy chain 2
SNP_9116B_30947034	Ca_Kabuli_Chr02	NC_021161.1	30947034	AA	GG	GG	INTRON	101514746	clathrin heavy chain 2
SNP_9117B_30947253	Ca_Kabuli_Chr02	NC_021161.1	30947253	CC	TT	TT	INTRON	101514746	clathrin heavy chain 2
SNP_9118B_30949078	Ca_Kabuli_Chr02	NC_021161.1	30949078	TT	CC	CC	INTRON	101514746	clathrin heavy chain 2
SNP_9119B_30949148	Ca_Kabuli_Chr02	NC_021161.1	30949148	AA	GG	GG	INTRON	101514746	clathrin heavy chain 2
SNP_9121B_30951922	Ca_Kabuli_Chr02	NC_021161.1	30951922	GG	CC	CC	SYNONYMOUS_CODING	101514746	clathrin heavy chain 2
SNP_9122B_30958066	Ca_Kabuli_Chr02	NC_021161.1	30958066	CC	AA	AA	URR	101514746	clathrin heavy chain 2
SNP_9123B_30962144	Ca_Kabuli_Chr02	NC_021161.1	30962144	TT	AA	AA	URR	101514420	transcription factor MYB44-like
SNP_9124B_30962150	Ca_Kabuli_Chr02	NC_021161.1	30962150	TT	CC	CC	URR	101514420	transcription factor MYB44-like
SNP_9125B_30962157	Ca_Kabuli_Chr02	NC_021161.1	30962157	TT	CC	CC	URR	101514420	transcription factor MYB44-like
SNP_9126B_30962383	Ca_Kabuli_Chr02	NC_021161.1	30962383	AA	CC	CC	URR	101514420	transcription factor MYB44-like
SNP_9127B_30962415	Ca_Kabuli_Chr02	NC_021161.1	30962415	AA	GG	GG	URR	101514420	transcription factor MYB44-like
SNP_9128B_30962498	Ca_Kabuli_Chr02	NC_021161.1	30962498	AA	GG	GG	URR	101514420	transcription factor MYB44-like
SNP_9129B_30962645	Ca_Kabuli_Chr02	NC_021161.1	30962645	CC	AA	AA	URR	101514420	transcription factor MYB44-like
SNP_9130B_30963191	Ca_Kabuli_Chr02	NC_021161.1	30963191	GG	TT	TT	INTERGENIC		
SNP_9131B_30963199	Ca_Kabuli_Chr02	NC_021161.1	30963199	CC	TT	TT	INTERGENIC		
SNP_9132B_30963208	Ca_Kabuli_Chr02	NC_021161.1	30963208	CC	TT	TT	INTERGENIC		
SNP_9133B_30963218	Ca_Kabuli_Chr02	NC_021161.1	30963218	TT	GG	GG	INTERGENIC		
SNP_9134B_30963252	Ca_Kabuli_Chr02	NC_021161.1	30963252	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_9135B_30963433	Ca_Kabuli_Chr02	NC_021161.1	30963433	TT	CC	CC	INTERGENIC		
SNP_9136B_30963461	Ca_Kabuli_Chr02	NC_021161.1	30963461	TT	CC	CC	INTERGENIC		
SNP_9137B_30966427	Ca_Kabuli_Chr02	NC_021161.1	30966427	CC	TT	TT	URR	101514211	uncharacterized LOC101514211
SNP_9138B_30968026	Ca_Kabuli_Chr02	NC_021161.1	30968026	AA	GG	GG	INTERGENIC		
SNP_9140B_30968055	Ca_Kabuli_Chr02	NC_021161.1	30968055	GG	AA	AA	INTERGENIC		
SNP_9141B_30968059	Ca_Kabuli_Chr02	NC_021161.1	30968059	AA	CC	CC	INTERGENIC		
SNP_9143B_30968584	Ca_Kabuli_Chr02	NC_021161.1	30968584	CC	AA	AA	INTERGENIC		
SNP_9144B_30978633	Ca_Kabuli_Chr02	NC_021161.1	30978633	TT	CC	CC	INTERGENIC		
SNP_9145B_31013550	Ca_Kabuli_Chr02	NC_021161.1	31013550	AA	CC	CC	INTERGENIC		
SNP_9146B_31080029	Ca_Kabuli_Chr02	NC_021161.1	31080029	AA	GG	GG	URR	101511092	peptide-N4-(N-acetyl-beta-glucosaminyl)asparagine amidase A
SNP_9147B_31153298	Ca_Kabuli_Chr02	NC_021161.1	31153298	GG	CC	CC	INTRON	101508296	SNF2 domain-containing protein CLASSY 1-like
SNP_9148B_31218629	Ca_Kabuli_Chr02	NC_021161.1	31218629	TT	CC	CC	INTERGENIC		
SNP_9149B_31225418	Ca_Kabuli_Chr02	NC_021161.1	31225418	AA	GG	GG	INTERGENIC		
SNP_9150B_31225440	Ca_Kabuli_Chr02	NC_021161.1	31225440	AA	CC	CC	INTERGENIC		
SNP_9151B_31225779	Ca_Kabuli_Chr02	NC_021161.1	31225779	AA	GG	GG	INTERGENIC		
SNP_9152B_31225801	Ca_Kabuli_Chr02	NC_021161.1	31225801	TT	GG	GG	INTERGENIC		
SNP_9153B_31237394	Ca_Kabuli_Chr02	NC_021161.1	31237394	AA	TT	TT	URR	101506372	uncharacterized LOC101506372
SNP_9154B_31238625	Ca_Kabuli_Chr02	NC_021161.1	31238625	AA	GG	GG	INTERGENIC		
SNP_9155B_31238689	Ca_Kabuli_Chr02	NC_021161.1	31238689	AA	GG	GG	INTERGENIC		
SNP_9156B_31238695	Ca_Kabuli_Chr02	NC_021161.1	31238695	CC	AA	AA	INTERGENIC		
SNP_9157B_31238743	Ca_Kabuli_Chr02	NC_021161.1	31238743	AA	GG	GG	INTERGENIC		
SNP_9159B_31261233	Ca_Kabuli_Chr02	NC_021161.1	31261233	AA	GG	GG	URR	101500710	chromatin assembly factor 1 subunit A-B-like
SNP_9160B_31261304	Ca_Kabuli_Chr02	NC_021161.1	31261304	TT	CC	CC	URR	101500710	chromatin assembly factor 1 subunit A-B-like
SNP_9161B_31261329	Ca_Kabuli_Chr02	NC_021161.1	31261329	AA	GG	GG	URR	101500710	chromatin assembly factor 1 subunit A-B-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_9162B_31263330	Ca_Kabuli_Chr02	NC_021161.1	31263330	AA	GG	GG	INTERGENIC		
SNP_9163B_31270709	Ca_Kabuli_Chr02	NC_021161.1	31270709	AA	GG	GG	INTERGENIC		
SNP_9164B_31271116	Ca_Kabuli_Chr02	NC_021161.1	31271116	TT	AA	AA	INTERGENIC		
SNP_9165B_31288740	Ca_Kabuli_Chr02	NC_021161.1	31288740	AA	CC	CC	INTERGENIC		
SNP_9166B_31289984	Ca_Kabuli_Chr02	NC_021161.1	31289984	AA	CC	CC	INTERGENIC		
SNP_9167B_31290828	Ca_Kabuli_Chr02	NC_021161.1	31290828	AA	TT	TT	INTERGENIC		
SNP_9168B_31293844	Ca_Kabuli_Chr02	NC_021161.1	31293844	AA	TT	TT	INTERGENIC		
SNP_9169B_31295471	Ca_Kabuli_Chr02	NC_021161.1	31295471	AA	TT	TT	INTERGENIC		
SNP_9171B_31383986	Ca_Kabuli_Chr02	NC_021161.1	31383986	CC	TT	TT	INTERGENIC		
SNP_9172B_31450217	Ca_Kabuli_Chr02	NC_021161.1	31450217	AA	TT	TT	INTERGENIC		
SNP_9173B_31450508	Ca_Kabuli_Chr02	NC_021161.1	31450508	AA	GG	GG	INTERGENIC		
SNP_9174B_31450675	Ca_Kabuli_Chr02	NC_021161.1	31450675	AA	GG	GG	INTERGENIC		
SNP_9175B_31451618	Ca_Kabuli_Chr02	NC_021161.1	31451618	AA	TT	TT	INTERGENIC		
SNP_9176B_31451653	Ca_Kabuli_Chr02	NC_021161.1	31451653	TT	CC	CC	INTERGENIC		
SNP_9177B_31451949	Ca_Kabuli_Chr02	NC_021161.1	31451949	AA	CC	CC	INTERGENIC		
SNP_9178B_31451963	Ca_Kabuli_Chr02	NC_021161.1	31451963	TT	CC	CC	INTERGENIC		
SNP_9179B_31453065	Ca_Kabuli_Chr02	NC_021161.1	31453065	AA	GG	GG	INTERGENIC		
SNP_9180B_31482994	Ca_Kabuli_Chr02	NC_021161.1	31482994	AA	GG	GG	INTERGENIC		
SNP_9181B_31483319	Ca_Kabuli_Chr02	NC_021161.1	31483319	TT	AA	AA	INTERGENIC		
SNP_9182B_31483327	Ca_Kabuli_Chr02	NC_021161.1	31483327	AA	GG	GG	INTERGENIC		
SNP_9183B_31491516	Ca_Kabuli_Chr02	NC_021161.1	31491516	AA	TT	TT	INTERGENIC		
SNP_9184B_31534100	Ca_Kabuli_Chr02	NC_021161.1	31534100	CC	TT	TT	INTERGENIC		
SNP_9185B_31534502	Ca_Kabuli_Chr02	NC_021161.1	31534502	AA	TT	TT	INTERGENIC		
SNP_9186B_31534623	Ca_Kabuli_Chr02	NC_021161.1	31534623	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_9187B_31534642	Ca_Kabuli_Chr02	NC_021161.1	31534642	TT	AA	AA	INTERGENIC		
SNP_9188B_31534749	Ca_Kabuli_Chr02	NC_021161.1	31534749	AA	TT	TT	INTERGENIC		
SNP_9189B_31534777	Ca_Kabuli_Chr02	NC_021161.1	31534777	CC	TT	TT	INTERGENIC		
SNP_9190B_31534784	Ca_Kabuli_Chr02	NC_021161.1	31534784	GG	TT	TT	INTERGENIC		
SNP_9191B_31534820	Ca_Kabuli_Chr02	NC_021161.1	31534820	AA	CC	CC	INTERGENIC		
SNP_9192B_31551415	Ca_Kabuli_Chr02	NC_021161.1	31551415	AA	GG	GG	INTERGENIC		
SNP_9193B_31551825	Ca_Kabuli_Chr02	NC_021161.1	31551825	AA	GG	GG	INTERGENIC		
SNP_9194B_31551866	Ca_Kabuli_Chr02	NC_021161.1	31551866	GG	AA	AA	INTERGENIC		
SNP_9195B_31552257	Ca_Kabuli_Chr02	NC_021161.1	31552257	CC	TT	TT	INTERGENIC		
SNP_9196B_31605222	Ca_Kabuli_Chr02	NC_021161.1	31605222	GG	TT	TT	INTERGENIC		
SNP_9197B_31605458	Ca_Kabuli_Chr02	NC_021161.1	31605458	TT	CC	CC	INTERGENIC		
SNP_9198B_31605479	Ca_Kabuli_Chr02	NC_021161.1	31605479	AA	GG	GG	INTERGENIC		
SNP_9199B_31605499	Ca_Kabuli_Chr02	NC_021161.1	31605499	AA	CC	CC	INTERGENIC		
SNP_9200B_31605511	Ca_Kabuli_Chr02	NC_021161.1	31605511	AA	GG	GG	INTERGENIC		
SNP_9201B_31605534	Ca_Kabuli_Chr02	NC_021161.1	31605534	CC	GG	GG	INTERGENIC		
SNP_9202B_31605568	Ca_Kabuli_Chr02	NC_021161.1	31605568	CC	AA	AA	INTERGENIC		
SNP_9203B_31605659	Ca_Kabuli_Chr02	NC_021161.1	31605659	TT	CC	CC	INTERGENIC		
SNP_9204B_31612650	Ca_Kabuli_Chr02	NC_021161.1	31612650	CC	AA	AA	INTERGENIC		
SNP_9205B_31631647	Ca_Kabuli_Chr02	NC_021161.1	31631647	CC	TT	TT	INTERGENIC		
SNP_9206B_31631852	Ca_Kabuli_Chr02	NC_021161.1	31631852	CC	TT	TT	INTERGENIC		
SNP_9207B_31648055	Ca_Kabuli_Chr02	NC_021161.1	31648055	TT	GG	GG	URR	101490769	Unknown function
SNP_9208B_31703482	Ca_Kabuli_Chr02	NC_021161.1	31703482	CC	TT	TT	INTERGENIC		
SNP_9209B_31810326	Ca_Kabuli_Chr02	NC_021161.1	31810326	TT	CC	CC	URR	101492051	Unknown function
SNP_9211B_31858124	Ca_Kabuli_Chr02	NC_021161.1	31858124	TT	CC	CC	INTRON	101507666	GDSL esterase/lipase At4g26790-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_9213B_31864688	Ca_Kabuli_Chr02	NC_021161.1	31864688	GG	AA	AA	INTERGENIC		
SNP_9214B_31869268	Ca_Kabuli_Chr02	NC_021161.1	31869268	TT	AA	AA	DRR	101507988	GDSL esterase/lipase At2g04570-like
SNP_9215B_31882685	Ca_Kabuli_Chr02	NC_021161.1	31882685	TT	CC	CC	INTRON	101508616	centromere/kinetochore protein zw10 homolog
SNP_9216B_31882696	Ca_Kabuli_Chr02	NC_021161.1	31882696	GG	AA	AA	INTRON	101508616	centromere/kinetochore protein zw10 homolog
SNP_9217B_31882830	Ca_Kabuli_Chr02	NC_021161.1	31882830	GG	AA	AA	INTERGENIC		
SNP_9218B_31882840	Ca_Kabuli_Chr02	NC_021161.1	31882840	TT	CC	CC	INTERGENIC		
SNP_9219B_31882845	Ca_Kabuli_Chr02	NC_021161.1	31882845	GG	AA	AA	INTERGENIC		
SNP_9220B_31882872	Ca_Kabuli_Chr02	NC_021161.1	31882872	TT	CC	CC	INTERGENIC		
SNP_9221B_31882924	Ca_Kabuli_Chr02	NC_021161.1	31882924	AA	CC	CC	INTERGENIC		
SNP_9223B_31882982	Ca_Kabuli_Chr02	NC_021161.1	31882982	TT	CC	CC	INTERGENIC		
SNP_9224B_31882992	Ca_Kabuli_Chr02	NC_021161.1	31882992	AA	CC	CC	INTERGENIC		
SNP_9226B_31883040	Ca_Kabuli_Chr02	NC_021161.1	31883040	AA	CC	CC	INTERGENIC		
SNP_9227B_31883240	Ca_Kabuli_Chr02	NC_021161.1	31883240	CC	GG	GG	INTERGENIC		
SNP_9228B_31883310	Ca_Kabuli_Chr02	NC_021161.1	31883310	AA	GG	GG	INTERGENIC		
SNP_9229B_31883399	Ca_Kabuli_Chr02	NC_021161.1	31883399	TT	CC	CC	INTERGENIC		
SNP_9230B_31883516	Ca_Kabuli_Chr02	NC_021161.1	31883516	TT	CC	CC	INTERGENIC		
SNP_9231B_31883583	Ca_Kabuli_Chr02	NC_021161.1	31883583	GG	TT	TT	INTERGENIC		
SNP_9233B_31883738	Ca_Kabuli_Chr02	NC_021161.1	31883738	CC	TT	TT	INTERGENIC		
SNP_9234B_31884454	Ca_Kabuli_Chr02	NC_021161.1	31884454	GG	AA	AA	INTERGENIC		
SNP_9235B_31884471	Ca_Kabuli_Chr02	NC_021161.1	31884471	GG	AA	AA	INTERGENIC		
SNP_9236B_31896478	Ca_Kabuli_Chr02	NC_021161.1	31896478	TT	AA	AA	INTRON	101509247	triacylglycerol lipase 2-like
SNP_9237B_31899301	Ca_Kabuli_Chr02	NC_021161.1	31899301	GG	TT	TT	INTRON	101509247	triacylglycerol lipase 2-like
SNP_9238B_31899476	Ca_Kabuli_Chr02	NC_021161.1	31899476	AA	TT	TT	INTRON	101509247	triacylglycerol lipase 2-like
SNP_9239B_31899483	Ca_Kabuli_Chr02	NC_021161.1	31899483	AA	GG	GG	INTRON	101509247	triacylglycerol lipase 2-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_9240B_31906248	Ca_Kabuli_Chr02	NC_021161.1	31906248	AA	TT	TT	DRR	101509797	E3 ubiquitin-protein ligase BRE1-like 2
SNP_9241B_31906568	Ca_Kabuli_Chr02	NC_021161.1	31906568	GG	AA	AA	DRR	101509797	E3 ubiquitin-protein ligase BRE1-like 2
SNP_9242B_31911365	Ca_Kabuli_Chr02	NC_021161.1	31911365	GG	AA	AA	INTRON	101509797	E3 ubiquitin-protein ligase BRE1-like 2
SNP_9243B_31914223	Ca_Kabuli_Chr02	NC_021161.1	31914223	AA	GG	GG	INTRON	101509797	E3 ubiquitin-protein ligase BRE1-like 2
SNP_9244B_31914593	Ca_Kabuli_Chr02	NC_021161.1	31914593	AA	CC	CC	INTRON	101509797	E3 ubiquitin-protein ligase BRE1-like 2
SNP_9245B_31914833	Ca_Kabuli_Chr02	NC_021161.1	31914833	GG	AA	AA	INTRON	101509797	E3 ubiquitin-protein ligase BRE1-like 2
SNP_9246B_31915837	Ca_Kabuli_Chr02	NC_021161.1	31915837	AA	CC	CC	INTRON	101509797	E3 ubiquitin-protein ligase BRE1-like 2
SNP_9247B_31916539	Ca_Kabuli_Chr02	NC_021161.1	31916539	AA	GG	GG	INTRON	101509797	E3 ubiquitin-protein ligase BRE1-like 2
SNP_9248B_31916907	Ca_Kabuli_Chr02	NC_021161.1	31916907	AA	GG	GG	INTRON	101509797	E3 ubiquitin-protein ligase BRE1-like 2
SNP_9249B_31917104	Ca_Kabuli_Chr02	NC_021161.1	31917104	AA	GG	GG	INTRON	101509797	E3 ubiquitin-protein ligase BRE1-like 2
SNP_9250B_31917372	Ca_Kabuli_Chr02	NC_021161.1	31917372	TT	CC	CC	NON_SYNONYMOUS_CODING	101509797	E3 ubiquitin-protein ligase BRE1-like 2
SNP_9251B_31919747	Ca_Kabuli_Chr02	NC_021161.1	31919747	CC	TT	TT	URR	101509797	E3 ubiquitin-protein ligase BRE1-like 2
SNP_9252B_31922945	Ca_Kabuli_Chr02	NC_021161.1	31922945	AA	TT	TT	INTERGENIC		
SNP_9253B_31923720	Ca_Kabuli_Chr02	NC_021161.1	31923720	TT	CC	CC	INTERGENIC		
SNP_9254B_31927009	Ca_Kabuli_Chr02	NC_021161.1	31927009	AA	GG	GG	DRR	101510116	ethylene-responsive transcription factor 3-like
SNP_9255B_31927319	Ca_Kabuli_Chr02	NC_021161.1	31927319	AA	CC	CC	DRR	101510116	ethylene-responsive transcription factor 3-like
SNP_9256B_31929882	Ca_Kabuli_Chr02	NC_021161.1	31929882	AA	GG	GG	URR	101510116	ethylene-responsive transcription factor 3-like
SNP_9257B_31931487	Ca_Kabuli_Chr02	NC_021161.1	31931487	AA	TT	TT	INTERGENIC		
SNP_9259B_31947041	Ca_Kabuli_Chr02	NC_021161.1	31947041	CC	TT	TT	INTERGENIC		
SNP_9260B_31947583	Ca_Kabuli_Chr02	NC_021161.1	31947583	CC	TT	TT	INTERGENIC		
SNP_9261B_31947590	Ca_Kabuli_Chr02	NC_021161.1	31947590	AA	CC	CC	INTERGENIC		
SNP_9262B_31947834	Ca_Kabuli_Chr02	NC_021161.1	31947834	AA	GG	GG	INTERGENIC		
SNP_9263B_31955217	Ca_Kabuli_Chr02	NC_021161.1	31955217	TT	AA	AA	INTERGENIC		
SNP_9264B_31955463	Ca_Kabuli_Chr02	NC_021161.1	31955463	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_9265B_31955526	Ca_Kabuli_Chr02	NC_021161.1	31955526	CC	AA	AA	INTERGENIC		
SNP_9266B_31958080	Ca_Kabuli_Chr02	NC_021161.1	31958080	AA	GG	GG	SYNONYMOUS_CODING	101492725	arogenate dehydratase/prephenate dehydratase 2, chloroplastic-like
SNP_9267B_31958120	Ca_Kabuli_Chr02	NC_021161.1	31958120	GG	AA	AA	NON_SYNONYMOUS_CODING	101492725	arogenate dehydratase/prephenate dehydratase 2, chloroplastic-like
SNP_9268B_31958227	Ca_Kabuli_Chr02	NC_021161.1	31958227	TT	CC	CC	INTRON	101492725	arogenate dehydratase/prephenate dehydratase 2, chloroplastic-like
SNP_9269B_31958313	Ca_Kabuli_Chr02	NC_021161.1	31958313	GG	AA	AA	INTRON	101492725	arogenate dehydratase/prephenate dehydratase 2, chloroplastic-like
SNP_9270B_31958372	Ca_Kabuli_Chr02	NC_021161.1	31958372	TT	CC	CC	INTRON	101492725	arogenate dehydratase/prephenate dehydratase 2, chloroplastic-like
SNP_9271B_31958390	Ca_Kabuli_Chr02	NC_021161.1	31958390	GG	AA	AA	INTRON	101492725	arogenate dehydratase/prephenate dehydratase 2, chloroplastic-like
SNP_9272B_31958409	Ca_Kabuli_Chr02	NC_021161.1	31958409	AA	GG	GG	INTRON	101492725	arogenate dehydratase/prephenate dehydratase 2, chloroplastic-like
SNP_9273B_31958471	Ca_Kabuli_Chr02	NC_021161.1	31958471	CC	TT	TT	INTRON	101492725	arogenate dehydratase/prephenate dehydratase 2, chloroplastic-like
SNP_9277B_31980913	Ca_Kabuli_Chr02	NC_021161.1	31980913	TT	CC	CC	URR	101510767	E3 ubiquitin-protein ligase COP1
SNP_9280B_31989168	Ca_Kabuli_Chr02	NC_021161.1	31989168	TT	AA	AA	INTERGENIC		
SNP_9281B_31992321	Ca_Kabuli_Chr02	NC_021161.1	31992321	AA	GG	GG	INTERGENIC		
SNP_9282B_31992710	Ca_Kabuli_Chr02	NC_021161.1	31992710	TT	CC	CC	INTERGENIC		
SNP_9283B_31992789	Ca_Kabuli_Chr02	NC_021161.1	31992789	AA	GG	GG	INTERGENIC		
SNP_9284B_32012972	Ca_Kabuli_Chr02	NC_021161.1	32012972	AA	GG	GG	DRR	101511093	probable tyrosine-protein phosphatase At1g05000
SNP_9285B_32012984	Ca_Kabuli_Chr02	NC_021161.1	32012984	GG	AA	AA	DRR	101511093	probable tyrosine-protein phosphatase At1g05000
SNP_9286B_32016456	Ca_Kabuli_Chr02	NC_021161.1	32016456	GG	AA	AA	INTRON	101511093	probable tyrosine-protein phosphatase At1g05000
SNP_9287B_32016457	Ca_Kabuli_Chr02	NC_021161.1	32016457	GG	TT	TT	INTRON	101511093	probable tyrosine-protein phosphatase At1g05000
SNP_9288B_32025214	Ca_Kabuli_Chr02	NC_021161.1	32025214	TT	CC	CC	INTERGENIC		
SNP_9289B_32025226	Ca_Kabuli_Chr02	NC_021161.1	32025226	GG	TT	TT	INTERGENIC		
SNP_9290B_32025266	Ca_Kabuli_Chr02	NC_021161.1	32025266	CC	TT	TT	INTERGENIC		
SNP_9292B_32046038	Ca_Kabuli_Chr02	NC_021161.1	32046038	AA	CC	CC	INTERGENIC		
SNP_9293B_32048281	Ca_Kabuli_Chr02	NC_021161.1	32048281	CC	TT	TT	INTERGENIC		
SNP_9296B_32060134	Ca_Kabuli_Chr02	NC_021161.1	32060134	CC	TT	TT	INTRON	101493058	uncharacterized LOC101493058

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_9299B_32076554	Ca_Kabuli_Chr02	NC_021161.1	32076554	CC	AA	AA	INTERGENIC		
SNP_9300B_32080071	Ca_Kabuli_Chr02	NC_021161.1	32080071	TT	CC	CC	NON_SYNONYMOUS_CODING	101512790	serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit B-like
SNP_9301B_32080094	Ca_Kabuli_Chr02	NC_021161.1	32080094	CC	GG	GG	NON_SYNONYMOUS_CODING	101512790	serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit B-like
SNP_9302B_32089074	Ca_Kabuli_Chr02	NC_021161.1	32089074	AA	GG	GG	INTERGENIC		
SNP_9303B_32089198	Ca_Kabuli_Chr02	NC_021161.1	32089198	TT	GG	GG	INTERGENIC		
SNP_9304B_32089449	Ca_Kabuli_Chr02	NC_021161.1	32089449	CC	TT	TT	INTERGENIC		
SNP_9305B_32089657	Ca_Kabuli_Chr02	NC_021161.1	32089657	TT	CC	CC	INTERGENIC		
SNP_9306B_32096248	Ca_Kabuli_Chr02	NC_021161.1	32096248	TT	AA	AA	INTERGENIC		
SNP_9307B_32096249	Ca_Kabuli_Chr02	NC_021161.1	32096249	CC	GG	GG	INTERGENIC		
SNP_9308B_32104567	Ca_Kabuli_Chr02	NC_021161.1	32104567	AA	TT	TT	URR	101513445	Unknown function
SNP_9309B_32109904	Ca_Kabuli_Chr02	NC_021161.1	32109904	AA	TT	TT	SYNONYMOUS_CODING	101493700	TMV resistance protein N-like
SNP_9310B_32109931	Ca_Kabuli_Chr02	NC_021161.1	32109931	CC	TT	TT	SYNONYMOUS_CODING	101493700	TMV resistance protein N-like
SNP_9311B_32109940	Ca_Kabuli_Chr02	NC_021161.1	32109940	GG	AA	AA	SYNONYMOUS_CODING	101493700	TMV resistance protein N-like
SNP_9312B_32110165	Ca_Kabuli_Chr02	NC_021161.1	32110165	AA	GG	GG	INTRON	101493700	TMV resistance protein N-like
SNP_9314B_32110254	Ca_Kabuli_Chr02	NC_021161.1	32110254	AA	GG	GG	INTRON	101493700	TMV resistance protein N-like
SNP_9315B_32110255	Ca_Kabuli_Chr02	NC_021161.1	32110255	CC	TT	TT	INTRON	101493700	TMV resistance protein N-like
SNP_9317B_32112422	Ca_Kabuli_Chr02	NC_021161.1	32112422	GG	AA	AA	SYNONYMOUS_CODING	101493700	TMV resistance protein N-like
SNP_9318B_32112452	Ca_Kabuli_Chr02	NC_021161.1	32112452	AA	GG	GG	SYNONYMOUS_CODING	101493700	TMV resistance protein N-like
SNP_9319B_32113131	Ca_Kabuli_Chr02	NC_021161.1	32113131	AA	GG	GG	INTRON	101493700	TMV resistance protein N-like
SNP_9320B_32113525	Ca_Kabuli_Chr02	NC_021161.1	32113525	TT	GG	GG	INTRON	101493700	TMV resistance protein N-like
SNP_9321B_32113526	Ca_Kabuli_Chr02	NC_021161.1	32113526	GG	AA	AA	INTRON	101493700	TMV resistance protein N-like
SNP_9322B_32118171	Ca_Kabuli_Chr02	NC_021161.1	32118171	CC	TT	TT	INTERGENIC		
SNP_9323B_32118348	Ca_Kabuli_Chr02	NC_021161.1	32118348	CC	TT	TT	INTERGENIC		
SNP_9324B_32118351	Ca_Kabuli_Chr02	NC_021161.1	32118351	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_9325B_32118499	Ca_Kabuli_Chr02	NC_021161.1	32118499	GG	CC	CC	INTERGENIC		
SNP_9326B_32118876	Ca_Kabuli_Chr02	NC_021161.1	32118876	AA	CC	CC	DRR	101514321	glucan endo-1,3-beta-glucosidase 12-like
SNP_9327B_32118888	Ca_Kabuli_Chr02	NC_021161.1	32118888	TT	GG	GG	DRR	101514321	glucan endo-1,3-beta-glucosidase 12-like
SNP_9328B_32126778	Ca_Kabuli_Chr02	NC_021161.1	32126778	TT	AA	AA	INTRON	id38798	Unknown function
SNP_9329B_32126814	Ca_Kabuli_Chr02	NC_021161.1	32126814	GG	TT	TT	INTRON	id38798	Unknown function
SNP_9331B_32127045	Ca_Kabuli_Chr02	NC_021161.1	32127045	GG	TT	TT	INTRON	id38798	Unknown function
SNP_9332B_32127055	Ca_Kabuli_Chr02	NC_021161.1	32127055	TT	AA	AA	INTRON	id38798	Unknown function
SNP_9334B_32130256	Ca_Kabuli_Chr02	NC_021161.1	32130256	TT	CC	CC	INTERGENIC		
SNP_9335B_32134514	Ca_Kabuli_Chr02	NC_021161.1	32134514	AA	GG	GG	INTRON	101515501	phenylalanine--tRNA ligase, chloroplastic/mitochondrial
SNP_9338B_32146868	Ca_Kabuli_Chr02	NC_021161.1	32146868	GG	AA	AA	INTRON	101489157	subtilisin-like protease Glyma18g48580
SNP_9339B_32152325	Ca_Kabuli_Chr02	NC_021161.1	32152325	AA	CC	CC	INTERGENIC		
SNP_9340B_32152403	Ca_Kabuli_Chr02	NC_021161.1	32152403	CC	TT	TT	INTERGENIC		
SNP_9342B_32153054	Ca_Kabuli_Chr02	NC_021161.1	32153054	GG	AA	AA	INTERGENIC		
SNP_9343B_32158375	Ca_Kabuli_Chr02	NC_021161.1	32158375	TT	CC	CC	DRR	101494021	nucleobase-ascorbate transporter 1-like
SNP_9344B_32158414	Ca_Kabuli_Chr02	NC_021161.1	32158414	TT	AA	AA	DRR	101494021	nucleobase-ascorbate transporter 1-like
SNP_9345B_32158459	Ca_Kabuli_Chr02	NC_021161.1	32158459	AA	TT	TT	DRR	101494021	nucleobase-ascorbate transporter 1-like
SNP_9346B_32158471	Ca_Kabuli_Chr02	NC_021161.1	32158471	AA	TT	TT	DRR	101494021	nucleobase-ascorbate transporter 1-like
SNP_9347B_32158497	Ca_Kabuli_Chr02	NC_021161.1	32158497	CC	TT	TT	DRR	101494021	nucleobase-ascorbate transporter 1-like
SNP_9348B_32158500	Ca_Kabuli_Chr02	NC_021161.1	32158500	CC	TT	TT	DRR	101494021	nucleobase-ascorbate transporter 1-like
SNP_9349B_32166753	Ca_Kabuli_Chr02	NC_021161.1	32166753	AA	CC	CC	INTRON	101494021	nucleobase-ascorbate transporter 1-like
SNP_9350B_32166765	Ca_Kabuli_Chr02	NC_021161.1	32166765	TT	AA	AA	INTRON	101494021	nucleobase-ascorbate transporter 1-like
SNP_9351B_32172638	Ca_Kabuli_Chr02	NC_021161.1	32172638	CC	TT	TT	INTRON	101489804	endoglucanase 11-like
SNP_9353B_32179412	Ca_Kabuli_Chr02	NC_021161.1	32179412	AA	GG	GG	INTERGENIC		
SNP_9354B_32199294	Ca_Kabuli_Chr02	NC_021161.1	32199294	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_9356B_32203822	Ca_Kabuli_Chr02	NC_021161.1	32203822	TT	GG	GG	INTRON	101490875	cucumisin-like
SNP_9357B_32203866	Ca_Kabuli_Chr02	NC_021161.1	32203866	GG	CC	CC	INTRON	101490875	cucumisin-like
SNP_9358B_32208817	Ca_Kabuli_Chr02	NC_021161.1	32208817	TT	CC	CC	INTRON	101490875	cucumisin-like
SNP_9359B_32208937	Ca_Kabuli_Chr02	NC_021161.1	32208937	TT	CC	CC	INTRON	101490875	cucumisin-like
SNP_9360B_32208965	Ca_Kabuli_Chr02	NC_021161.1	32208965	TT	CC	CC	INTRON	101490875	cucumisin-like
SNP_9361B_32209005	Ca_Kabuli_Chr02	NC_021161.1	32209005	TT	AA	AA	INTRON	101490875	cucumisin-like
SNP_9362B_32209035	Ca_Kabuli_Chr02	NC_021161.1	32209035	TT	AA	AA	INTRON	101490875	cucumisin-like
SNP_9364B_32209145	Ca_Kabuli_Chr02	NC_021161.1	32209145	GG	TT	TT	NON_SYNONYMOUS_CODING	101490875	cucumisin-like
SNP_9365B_32209158	Ca_Kabuli_Chr02	NC_021161.1	32209158	CC	TT	TT	NON_SYNONYMOUS_CODING	101490875	cucumisin-like
SNP_9366B_32209171	Ca_Kabuli_Chr02	NC_021161.1	32209171	AA	CC	CC	NON_SYNONYMOUS_CODING	101490875	cucumisin-like
SNP_9367B_32209179	Ca_Kabuli_Chr02	NC_021161.1	32209179	GG	AA	AA	NON_SYNONYMOUS_CODING	101490875	cucumisin-like
SNP_9368B_32209201	Ca_Kabuli_Chr02	NC_021161.1	32209201	AA	CC	CC	NON_SYNONYMOUS_CODING	101490875	cucumisin-like
SNP_9369B_32209208	Ca_Kabuli_Chr02	NC_021161.1	32209208	CC	TT	TT	NON_SYNONYMOUS_CODING	101490875	cucumisin-like
SNP_9370B_32209291	Ca_Kabuli_Chr02	NC_021161.1	32209291	GG	CC	CC	URR	101490875	cucumisin-like
SNP_9371B_32209319	Ca_Kabuli_Chr02	NC_021161.1	32209319	CC	AA	AA	URR	101490875	cucumisin-like
SNP_9373B_32209368	Ca_Kabuli_Chr02	NC_021161.1	32209368	TT	CC	CC	URR	101490875	cucumisin-like
SNP_9374B_32209427	Ca_Kabuli_Chr02	NC_021161.1	32209427	AA	CC	CC	URR	101490875	cucumisin-like
SNP_9375B_32209429	Ca_Kabuli_Chr02	NC_021161.1	32209429	AA	TT	TT	URR	101490875	cucumisin-like
SNP_9376B_32209435	Ca_Kabuli_Chr02	NC_021161.1	32209435	GG	AA	AA	URR	101490875	cucumisin-like
SNP_9377B_32209468	Ca_Kabuli_Chr02	NC_021161.1	32209468	TT	AA	AA	URR	101490875	cucumisin-like
SNP_9378B_32209479	Ca_Kabuli_Chr02	NC_021161.1	32209479	CC	TT	TT	URR	101490875	cucumisin-like
SNP_9379B_32209606	Ca_Kabuli_Chr02	NC_021161.1	32209606	GG	AA	AA	URR	101490875	cucumisin-like
SNP_9380B_32209621	Ca_Kabuli_Chr02	NC_021161.1	32209621	TT	CC	CC	URR	101490875	cucumisin-like
SNP_9381B_32209631	Ca_Kabuli_Chr02	NC_021161.1	32209631	GG	TT	TT	URR	101490875	cucumisin-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_9382B_32209648	Ca_Kabuli_Chr02	NC_021161.1	32209648	CC	GG	GG	URR	101490875	cucumisin-like
SNP_9383B_32209663	Ca_Kabuli_Chr02	NC_021161.1	32209663	AA	CC	CC	URR	101490875	cucumisin-like
SNP_9385B_32209729	Ca_Kabuli_Chr02	NC_021161.1	32209729	TT	AA	AA	URR	101490875	cucumisin-like
SNP_9386B_32209742	Ca_Kabuli_Chr02	NC_021161.1	32209742	AA	CC	CC	URR	101490875	cucumisin-like
SNP_9387B_32209766	Ca_Kabuli_Chr02	NC_021161.1	32209766	AA	GG	GG	URR	101490875	cucumisin-like
SNP_9388B_32209793	Ca_Kabuli_Chr02	NC_021161.1	32209793	AA	CC	CC	URR	101490875	cucumisin-like
SNP_9389B_32209845	Ca_Kabuli_Chr02	NC_021161.1	32209845	GG	AA	AA	URR	101490875	cucumisin-like
SNP_9390B_32209871	Ca_Kabuli_Chr02	NC_021161.1	32209871	GG	CC	CC	URR	101490875	cucumisin-like
SNP_9391B_32209910	Ca_Kabuli_Chr02	NC_021161.1	32209910	TT	GG	GG	URR	101490875	cucumisin-like
SNP_9392B_32209927	Ca_Kabuli_Chr02	NC_021161.1	32209927	CC	GG	GG	URR	101490875	cucumisin-like
SNP_9393B_32209990	Ca_Kabuli_Chr02	NC_021161.1	32209990	CC	TT	TT	URR	101490875	cucumisin-like
SNP_9394B_32210010	Ca_Kabuli_Chr02	NC_021161.1	32210010	AA	CC	CC	URR	101490875	cucumisin-like
SNP_9395B_32210049	Ca_Kabuli_Chr02	NC_021161.1	32210049	AA	GG	GG	URR	101490875	cucumisin-like
SNP_9397B_32210189	Ca_Kabuli_Chr02	NC_021161.1	32210189	AA	TT	TT	URR	101490875	cucumisin-like
SNP_9398B_32210824	Ca_Kabuli_Chr02	NC_021161.1	32210824	AA	TT	TT	URR	101490875	cucumisin-like
SNP_9399B_32211546	Ca_Kabuli_Chr02	NC_021161.1	32211546	CC	AA	AA	INTERGENIC		
SNP_9400B_32211592	Ca_Kabuli_Chr02	NC_021161.1	32211592	GG	TT	TT	INTERGENIC		
SNP_9401B_32211738	Ca_Kabuli_Chr02	NC_021161.1	32211738	AA	GG	GG	INTERGENIC		
SNP_9402B_32211870	Ca_Kabuli_Chr02	NC_021161.1	32211870	AA	TT	TT	INTERGENIC		
SNP_9403B_32211898	Ca_Kabuli_Chr02	NC_021161.1	32211898	TT	GG	GG	INTERGENIC		
SNP_9404B_32212178	Ca_Kabuli_Chr02	NC_021161.1	32212178	CC	AA	AA	INTERGENIC		
SNP_9405B_32212180	Ca_Kabuli_Chr02	NC_021161.1	32212180	TT	CC	CC	INTERGENIC		
SNP_9406B_32212491	Ca_Kabuli_Chr02	NC_021161.1	32212491	CC	TT	TT	INTERGENIC		
SNP_9408B_32213346	Ca_Kabuli_Chr02	NC_021161.1	32213346	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_9409B_32213351	Ca_Kabuli_Chr02	NC_021161.1	32213351	CC	TT	TT	INTERGENIC		
SNP_9410B_32213382	Ca_Kabuli_Chr02	NC_021161.1	32213382	TT	AA	AA	INTERGENIC		
SNP_9411B_32213420	Ca_Kabuli_Chr02	NC_021161.1	32213420	GG	AA	AA	INTERGENIC		
SNP_9413B_32213929	Ca_Kabuli_Chr02	NC_021161.1	32213929	AA	CC	CC	INTERGENIC		
SNP_9414B_32213967	Ca_Kabuli_Chr02	NC_021161.1	32213967	CC	TT	TT	INTERGENIC		
SNP_9415B_32216465	Ca_Kabuli_Chr02	NC_021161.1	32216465	CC	TT	TT	INTERGENIC		
SNP_9416B_32216917	Ca_Kabuli_Chr02	NC_021161.1	32216917	CC	GG	GG	INTERGENIC		
SNP_9417B_32218143	Ca_Kabuli_Chr02	NC_021161.1	32218143	GG	AA	AA	INTERGENIC		
SNP_9419B_32222927	Ca_Kabuli_Chr02	NC_021161.1	32222927	AA	GG	GG	INTERGENIC		
SNP_9420B_32222940	Ca_Kabuli_Chr02	NC_021161.1	32222940	CC	GG	GG	INTERGENIC		
SNP_9421B_32222942	Ca_Kabuli_Chr02	NC_021161.1	32222942	TT	CC	CC	INTERGENIC		
SNP_9422B_32235022	Ca_Kabuli_Chr02	NC_021161.1	32235022	GG	AA	AA	DRR	101494542	uncharacterized LOC101494542
SNP_9423B_32235666	Ca_Kabuli_Chr02	NC_021161.1	32235666	CC	TT	TT	INTRON	101494542	uncharacterized LOC101494542
SNP_9424B_32235683	Ca_Kabuli_Chr02	NC_021161.1	32235683	GG	TT	TT	INTRON	101494542	uncharacterized LOC101494542
SNP_9425B_32235987	Ca_Kabuli_Chr02	NC_021161.1	32235987	AA	CC	CC	INTRON	101494542	uncharacterized LOC101494542
SNP_9426B_32237948	Ca_Kabuli_Chr02	NC_021161.1	32237948	GG	AA	AA	INTRON	101494542	uncharacterized LOC101494542
SNP_9427B_32241225	Ca_Kabuli_Chr02	NC_021161.1	32241225	GG	AA	AA	DRR	101494861	protein LYK5
SNP_9428B_32241275	Ca_Kabuli_Chr02	NC_021161.1	32241275	TT	AA	AA	DRR	101494861	protein LYK5
SNP_9429B_32245422	Ca_Kabuli_Chr02	NC_021161.1	32245422	AA	GG	GG	URR	101494861	protein LYK5
SNP_9431B_32245678	Ca_Kabuli_Chr02	NC_021161.1	32245678	TT	CC	CC	URR	101494861	protein LYK5
SNP_9433B_32245988	Ca_Kabuli_Chr02	NC_021161.1	32245988	CC	TT	TT	DRR	101495186	protein NRT1/ PTR FAMILY 6.4
SNP_9434B_32246073	Ca_Kabuli_Chr02	NC_021161.1	32246073	GG	AA	AA	DRR	101495186	protein NRT1/ PTR FAMILY 6.4
SNP_9435B_32246083	Ca_Kabuli_Chr02	NC_021161.1	32246083	CC	TT	TT	DRR	101495186	protein NRT1/ PTR FAMILY 6.4
SNP_9436B_32247200	Ca_Kabuli_Chr02	NC_021161.1	32247200	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_9437B_32248689	Ca_Kabuli_Chr02	NC_021161.1	32248689	GG	AA	AA	INTERGENIC		
SNP_9438B_32248714	Ca_Kabuli_Chr02	NC_021161.1	32248714	GG	AA	AA	INTERGENIC		
SNP_9439B_32258021	Ca_Kabuli_Chr02	NC_021161.1	32258021	TT	GG	GG	INTRON	101495840	homeobox protein SBH1-like
SNP_9440B_32258027	Ca_Kabuli_Chr02	NC_021161.1	32258027	AA	GG	GG	INTRON	101495840	homeobox protein SBH1-like
SNP_9441B_32259808	Ca_Kabuli_Chr02	NC_021161.1	32259808	AA	CC	CC	INTRON	101495840	homeobox protein SBH1-like
SNP_9444B_32261573	Ca_Kabuli_Chr02	NC_021161.1	32261573	CC	TT	TT	URR	101495840	homeobox protein SBH1-like
SNP_9445B_32262821	Ca_Kabuli_Chr02	NC_021161.1	32262821	CC	GG	GG	URR	101495840	homeobox protein SBH1-like
SNP_9446B_32264733	Ca_Kabuli_Chr02	NC_021161.1	32264733	TT	GG	GG	INTERGENIC		
SNP_9447B_32264779	Ca_Kabuli_Chr02	NC_021161.1	32264779	GG	AA	AA	INTERGENIC		
SNP_9448B_32269913	Ca_Kabuli_Chr02	NC_021161.1	32269913	AA	GG	GG	INTERGENIC		
SNP_9449B_32269975	Ca_Kabuli_Chr02	NC_021161.1	32269975	CC	TT	TT	INTERGENIC		
SNP_9450B_32269981	Ca_Kabuli_Chr02	NC_021161.1	32269981	CC	GG	GG	INTERGENIC		
SNP_9451B_32270077	Ca_Kabuli_Chr02	NC_021161.1	32270077	TT	CC	CC	INTERGENIC		
SNP_9452B_32271334	Ca_Kabuli_Chr02	NC_021161.1	32271334	AA	TT	TT	INTERGENIC		
SNP_9453B_32272128	Ca_Kabuli_Chr02	NC_021161.1	32272128	GG	AA	AA	INTERGENIC		
SNP_9454B_32272131	Ca_Kabuli_Chr02	NC_021161.1	32272131	AA	TT	TT	INTERGENIC		
SNP_9455B_32272771	Ca_Kabuli_Chr02	NC_021161.1	32272771	CC	AA	AA	INTERGENIC		
SNP_9456B_32272784	Ca_Kabuli_Chr02	NC_021161.1	32272784	CC	AA	AA	INTERGENIC		
SNP_9457B_32290568	Ca_Kabuli_Chr02	NC_021161.1	32290568	CC	TT	TT	URR	101496494	protein FAM91A1-like
SNP_9458B_32290611	Ca_Kabuli_Chr02	NC_021161.1	32290611	CC	TT	TT	URR	101496494	protein FAM91A1-like
SNP_9459B_32292240	Ca_Kabuli_Chr02	NC_021161.1	32292240	CC	TT	TT	INTERGENIC		
SNP_9460B_32292248	Ca_Kabuli_Chr02	NC_021161.1	32292248	TT	GG	GG	INTERGENIC		
SNP_9461B_32292420	Ca_Kabuli_Chr02	NC_021161.1	32292420	GG	AA	AA	INTERGENIC		
SNP_9463B_32294394	Ca_Kabuli_Chr02	NC_021161.1	32294394	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_9464B_32295291	Ca_Kabuli_Chr02	NC_021161.1	32295291	GG	AA	AA	DRR	101496828	leucine-rich repeat receptor-like tyrosine-protein kinase PXC3
SNP_9465B_32295319	Ca_Kabuli_Chr02	NC_021161.1	32295319	GG	CC	CC	DRR	101496828	leucine-rich repeat receptor-like tyrosine-protein kinase PXC3
SNP_9466B_32328939	Ca_Kabuli_Chr02	NC_021161.1	32328939	CC	TT	TT	URR	101497149	putative phosphatidylglycerol/phosphatidylinositol transfer protein DDB_G0282179
SNP_9467B_32339308	Ca_Kabuli_Chr02	NC_021161.1	32339308	TT	GG	GG	URR	101497482	probable LRR receptor-like serine/threonine-protein kinase At4g36180
SNP_9468B_32344766	Ca_Kabuli_Chr02	NC_021161.1	32344766	GG	AA	AA	INTERGENIC		
SNP_9469B_32347421	Ca_Kabuli_Chr02	NC_021161.1	32347421	TT	CC	CC	INTRON	101498012	uncharacterized LOC101498012
SNP_9470B_32347424	Ca_Kabuli_Chr02	NC_021161.1	32347424	GG	AA	AA	INTRON	101498012	uncharacterized LOC101498012
SNP_9471B_32347448	Ca_Kabuli_Chr02	NC_021161.1	32347448	TT	GG	GG	INTRON	101498012	uncharacterized LOC101498012
SNP_9473B_32348539	Ca_Kabuli_Chr02	NC_021161.1	32348539	AA	GG	GG	INTRON	101498012	uncharacterized LOC101498012
SNP_9474B_32348933	Ca_Kabuli_Chr02	NC_021161.1	32348933	GG	AA	AA	INTRON	101498012	uncharacterized LOC101498012
SNP_9475B_32353719	Ca_Kabuli_Chr02	NC_021161.1	32353719	AA	GG	GG	DRR	101491506	receptor-like protein 12
SNP_9476B_32353760	Ca_Kabuli_Chr02	NC_021161.1	32353760	AA	TT	TT	DRR	101491506	receptor-like protein 12
SNP_9477B_32353935	Ca_Kabuli_Chr02	NC_021161.1	32353935	AA	GG	GG	DRR	101491506	receptor-like protein 12
SNP_9479B_32356334	Ca_Kabuli_Chr02	NC_021161.1	32356334	CC	TT	TT	INTERGENIC		
SNP_9480B_32357963	Ca_Kabuli_Chr02	NC_021161.1	32357963	GG	CC	CC	INTERGENIC		
SNP_9481B_32357965	Ca_Kabuli_Chr02	NC_021161.1	32357965	CC	TT	TT	INTERGENIC		
SNP_9482B_32361335	Ca_Kabuli_Chr02	NC_021161.1	32361335	AA	GG	GG	URR	101491506	receptor-like protein 12
SNP_9483B_32361358	Ca_Kabuli_Chr02	NC_021161.1	32361358	GG	AA	AA	URR	101491506	receptor-like protein 12
SNP_9484B_32363642	Ca_Kabuli_Chr02	NC_021161.1	32363642	CC	TT	TT	INTERGENIC		
SNP_9485B_32365927	Ca_Kabuli_Chr02	NC_021161.1	32365927	TT	AA	AA	INTERGENIC		
SNP_9486B_32366214	Ca_Kabuli_Chr02	NC_021161.1	32366214	CC	TT	TT	INTERGENIC		
SNP_9488B_32368400	Ca_Kabuli_Chr02	NC_021161.1	32368400	TT	CC	CC	INTERGENIC		
SNP_9489B_32368420	Ca_Kabuli_Chr02	NC_021161.1	32368420	GG	TT	TT	INTERGENIC		
SNP_9490B_32370088	Ca_Kabuli_Chr02	NC_021161.1	32370088	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_9491B_32370111	Ca_Kabuli_Chr02	NC_021161.1	32370111	GG	AA	AA	INTERGENIC		
SNP_9493B_32371538	Ca_Kabuli_Chr02	NC_021161.1	32371538	AA	TT	TT	INTERGENIC		
SNP_9495B_32379178	Ca_Kabuli_Chr02	NC_021161.1	32379178	AA	TT	TT	URR	101491819	exosome complex component RRP40-like
SNP_9496B_32379545	Ca_Kabuli_Chr02	NC_021161.1	32379545	GG	AA	AA	URR	101491819	exosome complex component RRP40-like
SNP_9498B_32379636	Ca_Kabuli_Chr02	NC_021161.1	32379636	AA	GG	GG	URR	101491819	exosome complex component RRP40-like
SNP_9499B_32390348	Ca_Kabuli_Chr02	NC_021161.1	32390348	CC	TT	TT	URR	101498343	uncharacterized LOC101498343
SNP_9500B_32390392	Ca_Kabuli_Chr02	NC_021161.1	32390392	GG	AA	AA	URR	101498343	uncharacterized LOC101498343
SNP_9501B_32392520	Ca_Kabuli_Chr02	NC_021161.1	32392520	CC	AA	AA	INTERGENIC		
SNP_9502B_32392558	Ca_Kabuli_Chr02	NC_021161.1	32392558	AA	TT	TT	INTERGENIC		
SNP_9503B_32392593	Ca_Kabuli_Chr02	NC_021161.1	32392593	GG	CC	CC	INTERGENIC		
SNP_9504B_32392633	Ca_Kabuli_Chr02	NC_021161.1	32392633	GG	CC	CC	INTERGENIC		
SNP_9505B_32392640	Ca_Kabuli_Chr02	NC_021161.1	32392640	GG	CC	CC	INTERGENIC		
SNP_9506B_32392654	Ca_Kabuli_Chr02	NC_021161.1	32392654	CC	TT	TT	INTERGENIC		
SNP_9507B_32392684	Ca_Kabuli_Chr02	NC_021161.1	32392684	AA	TT	TT	INTERGENIC		
SNP_9509B_32392696	Ca_Kabuli_Chr02	NC_021161.1	32392696	GG	CC	CC	INTERGENIC		
SNP_9510B_32392749	Ca_Kabuli_Chr02	NC_021161.1	32392749	CC	TT	TT	INTERGENIC		
SNP_9511B_32392758	Ca_Kabuli_Chr02	NC_021161.1	32392758	GG	AA	AA	INTERGENIC		
SNP_9512B_32392781	Ca_Kabuli_Chr02	NC_021161.1	32392781	GG	AA	AA	INTERGENIC		
SNP_9513B_32392791	Ca_Kabuli_Chr02	NC_021161.1	32392791	CC	TT	TT	INTERGENIC		
SNP_9514B_32392801	Ca_Kabuli_Chr02	NC_021161.1	32392801	TT	CC	CC	INTERGENIC		
SNP_9515B_32392809	Ca_Kabuli_Chr02	NC_021161.1	32392809	AA	TT	TT	INTERGENIC		
SNP_9516B_32392830	Ca_Kabuli_Chr02	NC_021161.1	32392830	GG	AA	AA	INTERGENIC		
SNP_9517B_32392841	Ca_Kabuli_Chr02	NC_021161.1	32392841	TT	CC	CC	INTERGENIC		
SNP_9518B_32392846	Ca_Kabuli_Chr02	NC_021161.1	32392846	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_9519B_32392868	Ca_Kabuli_Chr02	NC_021161.1	32392868	CC	TT	TT	INTERGENIC		
SNP_9520B_32392871	Ca_Kabuli_Chr02	NC_021161.1	32392871	TT	GG	GG	INTERGENIC		
SNP_9521B_32392893	Ca_Kabuli_Chr02	NC_021161.1	32392893	CC	AA	AA	INTERGENIC		
SNP_9522B_32392943	Ca_Kabuli_Chr02	NC_021161.1	32392943	AA	GG	GG	INTERGENIC		
SNP_9523B_32392945	Ca_Kabuli_Chr02	NC_021161.1	32392945	TT	CC	CC	INTERGENIC		
SNP_9524B_32392948	Ca_Kabuli_Chr02	NC_021161.1	32392948	TT	GG	GG	INTERGENIC		
SNP_9525B_32392986	Ca_Kabuli_Chr02	NC_021161.1	32392986	CC	TT	TT	INTERGENIC		
SNP_9526B_32393014	Ca_Kabuli_Chr02	NC_021161.1	32393014	CC	TT	TT	INTERGENIC		
SNP_9527B_32393015	Ca_Kabuli_Chr02	NC_021161.1	32393015	GG	TT	TT	INTERGENIC		
SNP_9528B_32393020	Ca_Kabuli_Chr02	NC_021161.1	32393020	GG	AA	AA	INTERGENIC		
SNP_9529B_32393035	Ca_Kabuli_Chr02	NC_021161.1	32393035	GG	AA	AA	INTERGENIC		
SNP_9531B_32393135	Ca_Kabuli_Chr02	NC_021161.1	32393135	AA	CC	CC	INTERGENIC		
SNP_9533B_32393289	Ca_Kabuli_Chr02	NC_021161.1	32393289	GG	AA	AA	INTERGENIC		
SNP_9534B_32393364	Ca_Kabuli_Chr02	NC_021161.1	32393364	GG	TT	TT	INTERGENIC		
SNP_9535B_32393429	Ca_Kabuli_Chr02	NC_021161.1	32393429	GG	AA	AA	INTERGENIC		
SNP_9537B_32393490	Ca_Kabuli_Chr02	NC_021161.1	32393490	TT	CC	CC	INTERGENIC		
SNP_9538B_32393509	Ca_Kabuli_Chr02	NC_021161.1	32393509	GG	AA	AA	INTERGENIC		
SNP_9539B_32393535	Ca_Kabuli_Chr02	NC_021161.1	32393535	TT	AA	AA	INTERGENIC		
SNP_9540B_32393539	Ca_Kabuli_Chr02	NC_021161.1	32393539	AA	GG	GG	INTERGENIC		
SNP_9541B_32393574	Ca_Kabuli_Chr02	NC_021161.1	32393574	GG	TT	TT	INTERGENIC		
SNP_9542B_32393596	Ca_Kabuli_Chr02	NC_021161.1	32393596	GG	AA	AA	INTERGENIC		
SNP_9543B_32393606	Ca_Kabuli_Chr02	NC_021161.1	32393606	AA	GG	GG	INTERGENIC		
SNP_9544B_32393626	Ca_Kabuli_Chr02	NC_021161.1	32393626	AA	GG	GG	INTERGENIC		
SNP_9547B_32394614	Ca_Kabuli_Chr02	NC_021161.1	32394614	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_9548B_32399964	Ca_Kabuli_Chr02	NC_021161.1	32399964	AA	TT	TT	INTERGENIC		
SNP_9549B_32399978	Ca_Kabuli_Chr02	NC_021161.1	32399978	AA	TT	TT	INTERGENIC		
SNP_9550B_32402054	Ca_Kabuli_Chr02	NC_021161.1	32402054	TT	GG	GG	INTERGENIC		
SNP_9551B_32406351	Ca_Kabuli_Chr02	NC_021161.1	32406351	CC	TT	TT	INTERGENIC		
SNP_9552B_32409765	Ca_Kabuli_Chr02	NC_021161.1	32409765	GG	CC	CC	INTRON	101499009	chitin elicitor receptor kinase 1-like
SNP_9554B_32409967	Ca_Kabuli_Chr02	NC_021161.1	32409967	CC	AA	AA	INTRON	101499009	chitin elicitor receptor kinase 1-like
SNP_9555B_32412897	Ca_Kabuli_Chr02	NC_021161.1	32412897	GG	AA	AA	URR	101499009	chitin elicitor receptor kinase 1-like
SNP_9556B_32413233	Ca_Kabuli_Chr02	NC_021161.1	32413233	TT	GG	GG	URR	101499009	chitin elicitor receptor kinase 1-like
SNP_9557B_32415118	Ca_Kabuli_Chr02	NC_021161.1	32415118	GG	AA	AA	INTERGENIC		
SNP_9558B_32417804	Ca_Kabuli_Chr02	NC_021161.1	32417804	CC	AA	AA	INTRON	101499326	chitin elicitor receptor kinase 1-like
SNP_9559B_32417961	Ca_Kabuli_Chr02	NC_021161.1	32417961	AA	GG	GG	SYNONYMOUS_CODING	101499326	chitin elicitor receptor kinase 1-like
SNP_9560B_32418036	Ca_Kabuli_Chr02	NC_021161.1	32418036	CC	TT	TT	SYNONYMOUS_CODING	101499326	chitin elicitor receptor kinase 1-like
SNP_9561B_32419750	Ca_Kabuli_Chr02	NC_021161.1	32419750	GG	AA	AA	URR	101499326	chitin elicitor receptor kinase 1-like
SNP_9562B_32420046	Ca_Kabuli_Chr02	NC_021161.1	32420046	AA	GG	GG	URR	101499326	chitin elicitor receptor kinase 1-like
SNP_9563B_32430363	Ca_Kabuli_Chr02	NC_021161.1	32430363	GG	TT	TT	DRR	101492821	uncharacterized LOC101492821
SNP_9564B_32430407	Ca_Kabuli_Chr02	NC_021161.1	32430407	AA	CC	CC	DRR	101492821	uncharacterized LOC101492821
SNP_9565B_32430460	Ca_Kabuli_Chr02	NC_021161.1	32430460	TT	GG	GG	DRR	101492821	uncharacterized LOC101492821
SNP_9566B_32436395	Ca_Kabuli_Chr02	NC_021161.1	32436395	TT	CC	CC	URR	101492821	uncharacterized LOC101492821
SNP_9568B_32437796	Ca_Kabuli_Chr02	NC_021161.1	32437796	CC	TT	TT	INTERGENIC		
SNP_9569B_32437818	Ca_Kabuli_Chr02	NC_021161.1	32437818	GG	TT	TT	INTERGENIC		
SNP_9570B_32437837	Ca_Kabuli_Chr02	NC_021161.1	32437837	TT	AA	AA	INTERGENIC		
SNP_9571B_32452902	Ca_Kabuli_Chr02	NC_021161.1	32452902	CC	TT	TT	INTRON	101493150	receptor-like protein 12
SNP_9573B_32453136	Ca_Kabuli_Chr02	NC_021161.1	32453136	TT	GG	GG	INTRON	101493150	receptor-like protein 12
SNP_9574B_32475317	Ca_Kabuli_Chr02	NC_021161.1	32475317	AA	GG	GG	SYNONYMOUS_CODING	101493150	receptor-like protein 12

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_9575B_32475751	Ca_Kabuli_Chr02	NC_021161.1	32475751	AA	CC	CC	INTRON	101493150	receptor-like protein 12
SNP_9576B_32476861	Ca_Kabuli_Chr02	NC_021161.1	32476861	TT	CC	CC	URR	101493150	receptor-like protein 12
SNP_9578B_32478173	Ca_Kabuli_Chr02	NC_021161.1	32478173	GG	CC	CC	INTERGENIC		
SNP_9579B_32479073	Ca_Kabuli_Chr02	NC_021161.1	32479073	GG	AA	AA	INTERGENIC		
SNP_9580B_32479626	Ca_Kabuli_Chr02	NC_021161.1	32479626	GG	CC	CC	INTERGENIC		
SNP_9581B_32487684	Ca_Kabuli_Chr02	NC_021161.1	32487684	TT	GG	GG	URR	101499643	CSC1-like protein At3g21620
SNP_9584B_32713621	Ca_Kabuli_Chr02	NC_021161.1	32713621	CC	TT	TT	INTERGENIC		
SNP_9586B_32915145	Ca_Kabuli_Chr02	NC_021161.1	32915145	AA	TT	TT	INTERGENIC		
SNP_9588B_32935101	Ca_Kabuli_Chr02	NC_021161.1	32935101	CC	TT	TT	INTRON	101515392	la-related protein 1A
SNP_9589B_33151940	Ca_Kabuli_Chr02	NC_021161.1	33151940	TT	GG	GG	URR	101497025	G2/mitotic-specific cyclin S13-7
SNP_9590B_33151950	Ca_Kabuli_Chr02	NC_021161.1	33151950	GG	TT	TT	URR	101497025	G2/mitotic-specific cyclin S13-7
SNP_9591B_33152001	Ca_Kabuli_Chr02	NC_021161.1	33152001	CC	AA	AA	URR	101497025	G2/mitotic-specific cyclin S13-7
SNP_9592B_33152077	Ca_Kabuli_Chr02	NC_021161.1	33152077	GG	TT	TT	URR	101497025	G2/mitotic-specific cyclin S13-7
SNP_9593B_33152162	Ca_Kabuli_Chr02	NC_021161.1	33152162	AA	GG	GG	URR	101497025	G2/mitotic-specific cyclin S13-7
SNP_9594B_33166160	Ca_Kabuli_Chr02	NC_021161.1	33166160	TT	CC	CC	DRR	101496386	probable CCR4-associated factor 1 homolog 11
SNP_9595B_33166192	Ca_Kabuli_Chr02	NC_021161.1	33166192	GG	AA	AA	DRR	101496386	probable CCR4-associated factor 1 homolog 11
SNP_9596B_33166240	Ca_Kabuli_Chr02	NC_021161.1	33166240	AA	GG	GG	SYNONYMOUS_CODING	101496386	probable CCR4-associated factor 1 homolog 11
SNP_9597B_33166434	Ca_Kabuli_Chr02	NC_021161.1	33166434	TT	CC	CC	NON_SYNONYMOUS_CODING	101496386	probable CCR4-associated factor 1 homolog 11
SNP_9598B_33166485	Ca_Kabuli_Chr02	NC_021161.1	33166485	GG	TT	TT	NON_SYNONYMOUS_CODING	101496386	probable CCR4-associated factor 1 homolog 11
SNP_9599B_33166525	Ca_Kabuli_Chr02	NC_021161.1	33166525	GG	AA	AA	SYNONYMOUS_CODING	101496386	probable CCR4-associated factor 1 homolog 11
SNP_9600B_33166535	Ca_Kabuli_Chr02	NC_021161.1	33166535	CC	GG	GG	NON_SYNONYMOUS_CODING	101496386	probable CCR4-associated factor 1 homolog 11
SNP_9601B_33166561	Ca_Kabuli_Chr02	NC_021161.1	33166561	CC	TT	TT	SYNONYMOUS_CODING	101496386	probable CCR4-associated factor 1 homolog 11
SNP_9602B_33166563	Ca_Kabuli_Chr02	NC_021161.1	33166563	AA	CC	CC	NON_SYNONYMOUS_CODING	101496386	probable CCR4-associated factor 1 homolog 11
SNP_9603B_33166570	Ca_Kabuli_Chr02	NC_021161.1	33166570	GG	AA	AA	SYNONYMOUS_CODING	101496386	probable CCR4-associated factor 1 homolog 11

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_9604B_33166582	Ca_Kabuli_Chr02	NC_021161.1	33166582	CC	AA	AA	SYNONYMOUS_CODING	101496386	probable CCR4-associated factor 1 homolog 11
SNP_9605B_33166704	Ca_Kabuli_Chr02	NC_021161.1	33166704	CC	TT	TT	NON_SYNONYMOUS_CODING	101496386	probable CCR4-associated factor 1 homolog 11
SNP_9606B_33167107	Ca_Kabuli_Chr02	NC_021161.1	33167107	AA	CC	CC	URR	101496386	probable CCR4-associated factor 1 homolog 11
SNP_9607B_33167116	Ca_Kabuli_Chr02	NC_021161.1	33167116	AA	GG	GG	URR	101496386	probable CCR4-associated factor 1 homolog 11
SNP_9608B_33240055	Ca_Kabuli_Chr02	NC_021161.1	33240055	CC	TT	TT	INTERGENIC		
SNP_9610B_33258167	Ca_Kabuli_Chr02	NC_021161.1	33258167	GG	AA	AA	SYNONYMOUS_CODING	101496717	uncharacterized LOC101496717
SNP_9611B_33269320	Ca_Kabuli_Chr02	NC_021161.1	33269320	CC	TT	TT	URR	101496717	uncharacterized LOC101496717
SNP_9612B_33269338	Ca_Kabuli_Chr02	NC_021161.1	33269338	GG	TT	TT	URR	101496717	uncharacterized LOC101496717
SNP_9613B_33269410	Ca_Kabuli_Chr02	NC_021161.1	33269410	AA	GG	GG	URR	101496717	uncharacterized LOC101496717
SNP_9615B_33296232	Ca_Kabuli_Chr02	NC_021161.1	33296232	AA	TT	TT	INTERGENIC		
SNP_9616B_33345575	Ca_Kabuli_Chr02	NC_021161.1	33345575	AA	GG	GG	INTERGENIC		
SNP_9617B_33345581	Ca_Kabuli_Chr02	NC_021161.1	33345581	GG	AA	AA	INTERGENIC		
SNP_9618B_33345764	Ca_Kabuli_Chr02	NC_021161.1	33345764	GG	AA	AA	INTERGENIC		
SNP_9619B_33345775	Ca_Kabuli_Chr02	NC_021161.1	33345775	GG	TT	TT	INTERGENIC		
SNP_9620B_33346229	Ca_Kabuli_Chr02	NC_021161.1	33346229	AA	GG	GG	INTERGENIC		
SNP_9621B_33346444	Ca_Kabuli_Chr02	NC_021161.1	33346444	AA	GG	GG	INTERGENIC		
SNP_9622B_33346452	Ca_Kabuli_Chr02	NC_021161.1	33346452	GG	AA	AA	INTERGENIC		
SNP_9623B_33346720	Ca_Kabuli_Chr02	NC_021161.1	33346720	TT	CC	CC	INTERGENIC		
SNP_9624B_33346742	Ca_Kabuli_Chr02	NC_021161.1	33346742	TT	CC	CC	INTERGENIC		
SNP_9625B_33346949	Ca_Kabuli_Chr02	NC_021161.1	33346949	GG	AA	AA	INTERGENIC		
SNP_9626B_33398527	Ca_Kabuli_Chr02	NC_021161.1	33398527	GG	TT	TT	INTERGENIC		
SNP_9627B_33398549	Ca_Kabuli_Chr02	NC_021161.1	33398549	CC	TT	TT	INTERGENIC		
SNP_9628B_33398550	Ca_Kabuli_Chr02	NC_021161.1	33398550	AA	GG	GG	INTERGENIC		
SNP_9629B_33400969	Ca_Kabuli_Chr02	NC_021161.1	33400969	AA	TT	TT	NON_SYNONYMOUS_CODING	101504229	putative disease resistance protein At3g14460

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_9631B_33454039	Ca_Kabuli_Chr02	NC_021161.1	33454039	GG	CC	CC	INTERGENIC		
SNP_9632B_33462805	Ca_Kabuli_Chr02	NC_021161.1	33462805	AA	GG	GG	INTERGENIC		
SNP_9633B_33462911	Ca_Kabuli_Chr02	NC_021161.1	33462911	GG	TT	TT	INTERGENIC		
SNP_9634B_33462953	Ca_Kabuli_Chr02	NC_021161.1	33462953	CC	AA	AA	INTERGENIC		
SNP_9635B_33463060	Ca_Kabuli_Chr02	NC_021161.1	33463060	CC	GG	GG	INTERGENIC		
SNP_9636B_33465922	Ca_Kabuli_Chr02	NC_021161.1	33465922	TT	GG	GG	INTERGENIC		
SNP_9637B_33582304	Ca_Kabuli_Chr02	NC_021161.1	33582304	TT	GG	GG	INTERGENIC		
SNP_9638B_33582702	Ca_Kabuli_Chr02	NC_021161.1	33582702	AA	GG	GG	INTERGENIC		
SNP_9639B_33761577	Ca_Kabuli_Chr02	NC_021161.1	33761577	GG	AA	AA	DRR	101512267	N-acetyl-D-glucosamine kinase
SNP_9640B_33854266	Ca_Kabuli_Chr02	NC_021161.1	33854266	CC	TT	TT	INTERGENIC		
SNP_9641B_33955534	Ca_Kabuli_Chr02	NC_021161.1	33955534	TT	CC	CC	INTERGENIC		
SNP_9642B_33955620	Ca_Kabuli_Chr02	NC_021161.1	33955620	AA	GG	GG	INTERGENIC		
SNP_9643B_33959755	Ca_Kabuli_Chr02	NC_021161.1	33959755	GG	TT	TT	INTERGENIC		
SNP_9644B_33959859	Ca_Kabuli_Chr02	NC_021161.1	33959859	CC	TT	TT	INTERGENIC		
SNP_9645B_33959891	Ca_Kabuli_Chr02	NC_021161.1	33959891	GG	AA	AA	INTERGENIC		
SNP_9646B_33984158	Ca_Kabuli_Chr02	NC_021161.1	33984158	GG	TT	TT	INTRON	101499644	Unknown function
SNP_9647B_33984200	Ca_Kabuli_Chr02	NC_021161.1	33984200	TT	AA	AA	INTRON	101499644	Unknown function
SNP_9648B_33984237	Ca_Kabuli_Chr02	NC_021161.1	33984237	CC	TT	TT	INTRON	101499644	Unknown function
SNP_9649B_33984260	Ca_Kabuli_Chr02	NC_021161.1	33984260	AA	GG	GG	INTRON	101499644	Unknown function
SNP_9651B_33984453	Ca_Kabuli_Chr02	NC_021161.1	33984453	TT	CC	CC	INTRON	101499644	Unknown function
SNP_9652B_33984502	Ca_Kabuli_Chr02	NC_021161.1	33984502	GG	AA	AA	INTRON	101499644	Unknown function
SNP_9653B_33984576	Ca_Kabuli_Chr02	NC_021161.1	33984576	TT	GG	GG	INTRON	101499644	Unknown function
SNP_9654B_33984585	Ca_Kabuli_Chr02	NC_021161.1	33984585	TT	GG	GG	INTRON	101499644	Unknown function
SNP_9655B_33984598	Ca_Kabuli_Chr02	NC_021161.1	33984598	AA	CC	CC	INTRON	101499644	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_9656B_33984614	Ca_Kabuli_Chr02	NC_021161.1	33984614	AA	TT	TT	INTRON	101499644	Unknown function
SNP_9658B_33984681	Ca_Kabuli_Chr02	NC_021161.1	33984681	AA	TT	TT	INTRON	101499644	Unknown function
SNP_9659B_33985714	Ca_Kabuli_Chr02	NC_021161.1	33985714	AA	CC	CC	INTRON	101499644	Unknown function
SNP_9660B_33986236	Ca_Kabuli_Chr02	NC_021161.1	33986236	AA	CC	CC	INTRON	101499644	Unknown function
SNP_9662B_33986315	Ca_Kabuli_Chr02	NC_021161.1	33986315	TT	GG	GG	INTRON	101499644	Unknown function
SNP_9663B_33986317	Ca_Kabuli_Chr02	NC_021161.1	33986317	TT	CC	CC	INTRON	101499644	Unknown function
SNP_9664B_33986335	Ca_Kabuli_Chr02	NC_021161.1	33986335	TT	CC	CC	INTRON	101499644	Unknown function
SNP_9665B_33986566	Ca_Kabuli_Chr02	NC_021161.1	33986566	AA	GG	GG	NON_SYNONYMOUS_CODING	101499644	Unknown function
SNP_9667B_33986629	Ca_Kabuli_Chr02	NC_021161.1	33986629	AA	TT	TT	NON_SYNONYMOUS_CODING	101499644	Unknown function
SNP_9668B_33986683	Ca_Kabuli_Chr02	NC_021161.1	33986683	CC	TT	TT	NON_SYNONYMOUS_CODING	101499644	Unknown function
SNP_9669B_33986740	Ca_Kabuli_Chr02	NC_021161.1	33986740	CC	TT	TT	NON_SYNONYMOUS_CODING	101499644	Unknown function
SNP_9670B_33986819	Ca_Kabuli_Chr02	NC_021161.1	33986819	AA	TT	TT	URR	101499644	Unknown function
SNP_9671B_33986828	Ca_Kabuli_Chr02	NC_021161.1	33986828	AA	GG	GG	URR	101499644	Unknown function
SNP_9672B_33986838	Ca_Kabuli_Chr02	NC_021161.1	33986838	GG	AA	AA	URR	101499644	Unknown function
SNP_9673B_33986845	Ca_Kabuli_Chr02	NC_021161.1	33986845	TT	GG	GG	URR	101499644	Unknown function
SNP_9674B_33986861	Ca_Kabuli_Chr02	NC_021161.1	33986861	AA	TT	TT	URR	101499644	Unknown function
SNP_9675B_33986923	Ca_Kabuli_Chr02	NC_021161.1	33986923	AA	TT	TT	URR	101499644	Unknown function
SNP_9676B_34021889	Ca_Kabuli_Chr02	NC_021161.1	34021889	TT	AA	AA	INTERGENIC		
SNP_9677B_34021976	Ca_Kabuli_Chr02	NC_021161.1	34021976	AA	CC	CC	INTERGENIC		
SNP_9678B_34022549	Ca_Kabuli_Chr02	NC_021161.1	34022549	AA	CC	CC	INTERGENIC		
SNP_9679B_34024589	Ca_Kabuli_Chr02	NC_021161.1	34024589	AA	TT	TT	URR	101493152	Unknown function
SNP_9680B_34024835	Ca_Kabuli_Chr02	NC_021161.1	34024835	AA	CC	CC	URR	101493152	Unknown function
SNP_9681B_34025270	Ca_Kabuli_Chr02	NC_021161.1	34025270	TT	CC	CC	URR	101493152	Unknown function
SNP_9682B_34025286	Ca_Kabuli_Chr02	NC_021161.1	34025286	TT	CC	CC	URR	101493152	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_9683B_34025330	Ca_Kabuli_Chr02	NC_021161.1	34025330	AA	TT	TT	URR	101493152	Unknown function
SNP_9684B_34025456	Ca_Kabuli_Chr02	NC_021161.1	34025456	CC	TT	TT	URR	101493152	Unknown function
SNP_9685B_34025637	Ca_Kabuli_Chr02	NC_021161.1	34025637	TT	CC	CC	URR	101493152	Unknown function
SNP_9686B_34025653	Ca_Kabuli_Chr02	NC_021161.1	34025653	TT	CC	GG	URR	101493152	Unknown function
SNP_9687B_34028460	Ca_Kabuli_Chr02	NC_021161.1	34028460	AA	CC	CC	INTERGENIC		
SNP_9688B_34028465	Ca_Kabuli_Chr02	NC_021161.1	34028465	AA	TT	TT	INTERGENIC		
SNP_9689B_34028525	Ca_Kabuli_Chr02	NC_021161.1	34028525	AA	TT	TT	INTERGENIC		
SNP_9690B_34028549	Ca_Kabuli_Chr02	NC_021161.1	34028549	CC	AA	AA	INTERGENIC		
SNP_9691B_34028572	Ca_Kabuli_Chr02	NC_021161.1	34028572	AA	TT	TT	INTERGENIC		
SNP_9692B_34028821	Ca_Kabuli_Chr02	NC_021161.1	34028821	TT	CC	CC	INTERGENIC		
SNP_9693B_34028828	Ca_Kabuli_Chr02	NC_021161.1	34028828	AA	GG	GG	INTERGENIC		
SNP_9695B_34028908	Ca_Kabuli_Chr02	NC_021161.1	34028908	TT	CC	CC	INTERGENIC		
SNP_9696B_34037724	Ca_Kabuli_Chr02	NC_021161.1	34037724	TT	GG	GG	INTERGENIC		
SNP_9697B_34037739	Ca_Kabuli_Chr02	NC_021161.1	34037739	AA	TT	TT	INTERGENIC		
SNP_9698B_34038155	Ca_Kabuli_Chr02	NC_021161.1	34038155	TT	CC	CC	INTERGENIC		
SNP_9699B_34054932	Ca_Kabuli_Chr02	NC_021161.1	34054932	AA	TT	TT	INTERGENIC		
SNP_9700B_34085738	Ca_Kabuli_Chr02	NC_021161.1	34085738	GG	AA	AA	INTERGENIC		
SNP_9701B_34086029	Ca_Kabuli_Chr02	NC_021161.1	34086029	CC	TT	TT	INTERGENIC		
SNP_9702B_34086035	Ca_Kabuli_Chr02	NC_021161.1	34086035	CC	GG	GG	INTERGENIC		
SNP_9703B_34086050	Ca_Kabuli_Chr02	NC_021161.1	34086050	GG	AA	AA	INTERGENIC		
SNP_9704B_34086119	Ca_Kabuli_Chr02	NC_021161.1	34086119	AA	GG	GG	INTERGENIC		
SNP_9705B_34086122	Ca_Kabuli_Chr02	NC_021161.1	34086122	CC	TT	TT	INTERGENIC		
SNP_9706B_34086155	Ca_Kabuli_Chr02	NC_021161.1	34086155	GG	AA	AA	INTERGENIC		
SNP_9707B_34086188	Ca_Kabuli_Chr02	NC_021161.1	34086188	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_9708B_34086198	Ca_Kabuli_Chr02	NC_021161.1	34086198	TT	CC	CC	INTERGENIC		
SNP_9709B_34086534	Ca_Kabuli_Chr02	NC_021161.1	34086534	TT	CC	CC	INTERGENIC		
SNP_9710B_34087085	Ca_Kabuli_Chr02	NC_021161.1	34087085	TT	CC	CC	INTERGENIC		
SNP_9712B_34195481	Ca_Kabuli_Chr02	NC_021161.1	34195481	AA	TT	TT	INTERGENIC		
SNP_9713B_34201436	Ca_Kabuli_Chr02	NC_021161.1	34201436	AA	CC	CC	URR	101504758	uncharacterized LOC101504758
SNP_9715B_34272155	Ca_Kabuli_Chr02	NC_021161.1	34272155	TT	GG	GG	INTERGENIC		
SNP_9716B_34272158	Ca_Kabuli_Chr02	NC_021161.1	34272158	AA	GG	GG	INTERGENIC		
SNP_9717B_34340718	Ca_Kabuli_Chr02	NC_021161.1	34340718	AA	GG	GG	INTERGENIC		
SNP_9718B_34340725	Ca_Kabuli_Chr02	NC_021161.1	34340725	GG	AA	AA	INTERGENIC		
SNP_9719B_34341236	Ca_Kabuli_Chr02	NC_021161.1	34341236	GG	AA	AA	INTERGENIC		
SNP_9720B_34341265	Ca_Kabuli_Chr02	NC_021161.1	34341265	CC	TT	TT	INTERGENIC		
SNP_9723B_34354082	Ca_Kabuli_Chr02	NC_021161.1	34354082	TT	CC	CC	INTERGENIC		
SNP_9724B_34354372	Ca_Kabuli_Chr02	NC_021161.1	34354372	GG	TT	TT	INTERGENIC		
SNP_9725B_34354616	Ca_Kabuli_Chr02	NC_021161.1	34354616	GG	AA	AA	INTERGENIC		
SNP_9726B_34354632	Ca_Kabuli_Chr02	NC_021161.1	34354632	AA	TT	TT	INTERGENIC		
SNP_9727B_34355149	Ca_Kabuli_Chr02	NC_021161.1	34355149	GG	CC	CC	URR	101497026	Unknown function
SNP_9730B_34355499	Ca_Kabuli_Chr02	NC_021161.1	34355499	TT	AA	AA	URR	101497026	Unknown function
SNP_9731B_34355603	Ca_Kabuli_Chr02	NC_021161.1	34355603	AA	GG	GG	URR	101497026	Unknown function
SNP_9734B_34530405	Ca_Kabuli_Chr02	NC_021161.1	34530405	CC	TT	TT	URR	101499645	Unknown function
SNP_9736B_34566542	Ca_Kabuli_Chr02	NC_021161.1	34566542	AA	CC	CC	URR	101500294	glucose-6-phosphate/phosphate translocator 1, chloroplastic
SNP_9737B_34566561	Ca_Kabuli_Chr02	NC_021161.1	34566561	AA	TT	TT	URR	101500294	glucose-6-phosphate/phosphate translocator 1, chloroplastic
SNP_9738B_34566908	Ca_Kabuli_Chr02	NC_021161.1	34566908	CC	TT	TT	URR	101500294	glucose-6-phosphate/phosphate translocator 1, chloroplastic
SNP_9739B_34566945	Ca_Kabuli_Chr02	NC_021161.1	34566945	TT	CC	CC	URR	101500294	glucose-6-phosphate/phosphate translocator 1, chloroplastic
SNP_9740B_34683522	Ca_Kabuli_Chr02	NC_021161.1	34683522	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_9741B_34683539	Ca_Kabuli_Chr02	NC_021161.1	34683539	CC	TT	TT	INTERGENIC		
SNP_9742B_34683576	Ca_Kabuli_Chr02	NC_021161.1	34683576	CC	TT	TT	INTERGENIC		
SNP_9743B_34683739	Ca_Kabuli_Chr02	NC_021161.1	34683739	AA	CC	CC	INTERGENIC		
SNP_9745B_34683876	Ca_Kabuli_Chr02	NC_021161.1	34683876	AA	GG	GG	INTERGENIC		
SNP_9746B_34683889	Ca_Kabuli_Chr02	NC_021161.1	34683889	AA	TT	TT	INTERGENIC		
SNP_9747B_34683928	Ca_Kabuli_Chr02	NC_021161.1	34683928	TT	AA	AA	INTERGENIC		
SNP_9748B_34683949	Ca_Kabuli_Chr02	NC_021161.1	34683949	CC	AA	AA	INTERGENIC		
SNP_9749B_34684026	Ca_Kabuli_Chr02	NC_021161.1	34684026	TT	CC	CC	INTERGENIC		
SNP_9750B_34684138	Ca_Kabuli_Chr02	NC_021161.1	34684138	GG	AA	AA	INTERGENIC		
SNP_9751B_34684183	Ca_Kabuli_Chr02	NC_021161.1	34684183	AA	GG	GG	INTERGENIC		
SNP_9752B_34684216	Ca_Kabuli_Chr02	NC_021161.1	34684216	AA	GG	GG	INTERGENIC		
SNP_9753B_34684222	Ca_Kabuli_Chr02	NC_021161.1	34684222	GG	AA	AA	INTERGENIC		
SNP_9754B_34684251	Ca_Kabuli_Chr02	NC_021161.1	34684251	GG	TT	TT	INTERGENIC		
SNP_9755B_34684271	Ca_Kabuli_Chr02	NC_021161.1	34684271	AA	TT	TT	INTERGENIC		
SNP_9756B_34684276	Ca_Kabuli_Chr02	NC_021161.1	34684276	AA	GG	GG	INTERGENIC		
SNP_9757B_34684296	Ca_Kabuli_Chr02	NC_021161.1	34684296	AA	GG	GG	INTERGENIC		
SNP_9758B_34684314	Ca_Kabuli_Chr02	NC_021161.1	34684314	GG	CC	CC	INTERGENIC		
SNP_9759B_34684322	Ca_Kabuli_Chr02	NC_021161.1	34684322	GG	CC	CC	INTERGENIC		
SNP_9760B_34684327	Ca_Kabuli_Chr02	NC_021161.1	34684327	AA	GG	GG	INTERGENIC		
SNP_9761B_34684342	Ca_Kabuli_Chr02	NC_021161.1	34684342	TT	GG	GG	INTERGENIC		
SNP_9762B_34684354	Ca_Kabuli_Chr02	NC_021161.1	34684354	TT	CC	CC	INTERGENIC		
SNP_9764B_34684403	Ca_Kabuli_Chr02	NC_021161.1	34684403	GG	AA	AA	INTERGENIC		
SNP_9765B_34684428	Ca_Kabuli_Chr02	NC_021161.1	34684428	GG	CC	CC	INTERGENIC		
SNP_9766B_34684448	Ca_Kabuli_Chr02	NC_021161.1	34684448	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_9767B_34684509	Ca_Kabuli_Chr02	NC_021161.1	34684509	TT	GG	GG	INTERGENIC		
SNP_9769B_34684646	Ca_Kabuli_Chr02	NC_021161.1	34684646	GG	AA	AA	INTERGENIC		
SNP_9771B_34684732	Ca_Kabuli_Chr02	NC_021161.1	34684732	AA	GG	GG	INTERGENIC		
SNP_9772B_34684742	Ca_Kabuli_Chr02	NC_021161.1	34684742	GG	AA	AA	INTERGENIC		
SNP_9773B_34684754	Ca_Kabuli_Chr02	NC_021161.1	34684754	GG	TT	TT	INTERGENIC		
SNP_9774B_34684850	Ca_Kabuli_Chr02	NC_021161.1	34684850	TT	CC	CC	INTERGENIC		
SNP_9776B_34685009	Ca_Kabuli_Chr02	NC_021161.1	34685009	CC	AA	AA	INTERGENIC		
SNP_9777B_34685048	Ca_Kabuli_Chr02	NC_021161.1	34685048	CC	TT	TT	INTERGENIC		
SNP_9778B_34685085	Ca_Kabuli_Chr02	NC_021161.1	34685085	CC	TT	TT	INTERGENIC		
SNP_9779B_34685101	Ca_Kabuli_Chr02	NC_021161.1	34685101	CC	TT	TT	INTERGENIC		
SNP_9780B_34685116	Ca_Kabuli_Chr02	NC_021161.1	34685116	TT	GG	GG	INTERGENIC		
SNP_9781B_34685148	Ca_Kabuli_Chr02	NC_021161.1	34685148	GG	TT	TT	INTERGENIC		
SNP_9782B_34685180	Ca_Kabuli_Chr02	NC_021161.1	34685180	CC	TT	TT	INTERGENIC		
SNP_9783B_34685620	Ca_Kabuli_Chr02	NC_021161.1	34685620	GG	TT	TT	INTERGENIC		
SNP_9784B_34685691	Ca_Kabuli_Chr02	NC_021161.1	34685691	TT	AA	AA	INTERGENIC		
SNP_9786B_34685736	Ca_Kabuli_Chr02	NC_021161.1	34685736	CC	TT	TT	INTERGENIC		
SNP_9787B_34719975	Ca_Kabuli_Chr02	NC_021161.1	34719975	CC	AA	AA	INTRON	101502618	DEAD-box ATP-dependent RNA helicase 32
SNP_9788B_34739253	Ca_Kabuli_Chr02	NC_021161.1	34739253	AA	GG	GG	URR	101502935	heat shock 70 kDa protein 16-like
SNP_9789B_34807547	Ca_Kabuli_Chr02	NC_021161.1	34807547	GG	AA	AA	INTERGENIC		
SNP_9790B_34809592	Ca_Kabuli_Chr02	NC_021161.1	34809592	GG	AA	AA	INTERGENIC		
SNP_9791B_34830733	Ca_Kabuli_Chr02	NC_021161.1	34830733	CC	GG	GG	NON_SYNONYMOUS_CODING	id40820	Unknown function
SNP_9792B_34830827	Ca_Kabuli_Chr02	NC_021161.1	34830827	CC	TT	TT	NON_SYNONYMOUS_CODING	id40820	Unknown function
SNP_9793B_34830967	Ca_Kabuli_Chr02	NC_021161.1	34830967	GG	AA	AA	NON_SYNONYMOUS_CODING	id40820	Unknown function
SNP_9794B_34831021	Ca_Kabuli_Chr02	NC_021161.1	34831021	CC	TT	TT	NON_SYNONYMOUS_CODING	id40820	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_9795B_34831161	Ca_Kabuli_Chr02	NC_021161.1	34831161	TT	CC	CC	INTRON	id40820	Unknown function
SNP_9796B_34983186	Ca_Kabuli_Chr02	NC_021161.1	34983186	TT	CC	CC	INTERGENIC		
SNP_9798B_35258079	Ca_Kabuli_Chr02	NC_021161.1	35258079	CC	TT	TT	INTRON	101499646	Unknown function
SNP_9799B_35258090	Ca_Kabuli_Chr02	NC_021161.1	35258090	AA	GG	GG	INTRON	101499646	Unknown function
SNP_9800B_35258094	Ca_Kabuli_Chr02	NC_021161.1	35258094	TT	CC	CC	INTRON	101499646	Unknown function
SNP_9801B_35258397	Ca_Kabuli_Chr02	NC_021161.1	35258397	TT	CC	CC	INTRON	101499646	Unknown function
SNP_9803B_35260917	Ca_Kabuli_Chr02	NC_021161.1	35260917	CC	TT	TT	INTRON	101499646	Unknown function
SNP_9804B_35287962	Ca_Kabuli_Chr02	NC_021161.1	35287962	GG	CC	CC	INTERGENIC		
SNP_9805B_35288028	Ca_Kabuli_Chr02	NC_021161.1	35288028	TT	AA	AA	INTERGENIC		
SNP_9806B_35288039	Ca_Kabuli_Chr02	NC_021161.1	35288039	AA	GG	GG	INTERGENIC		
SNP_9807B_35288097	Ca_Kabuli_Chr02	NC_021161.1	35288097	TT	CC	CC	INTERGENIC		
SNP_9809B_35288190	Ca_Kabuli_Chr02	NC_021161.1	35288190	AA	GG	GG	INTERGENIC		
SNP_9810B_35288203	Ca_Kabuli_Chr02	NC_021161.1	35288203	AA	GG	GG	INTERGENIC		
SNP_9811B_35288205	Ca_Kabuli_Chr02	NC_021161.1	35288205	GG	TT	TT	INTERGENIC		
SNP_9812B_35288260	Ca_Kabuli_Chr02	NC_021161.1	35288260	AA	GG	GG	INTERGENIC		
SNP_9813B_35288350	Ca_Kabuli_Chr02	NC_021161.1	35288350	TT	CC	CC	INTERGENIC		
SNP_9814B_35288351	Ca_Kabuli_Chr02	NC_021161.1	35288351	TT	CC	CC	INTERGENIC		
SNP_9815B_35288379	Ca_Kabuli_Chr02	NC_021161.1	35288379	AA	CC	CC	INTERGENIC		
SNP_9816B_35288412	Ca_Kabuli_Chr02	NC_021161.1	35288412	GG	TT	TT	INTERGENIC		
SNP_9817B_35288529	Ca_Kabuli_Chr02	NC_021161.1	35288529	AA	TT	TT	INTERGENIC		
SNP_9818B_35288530	Ca_Kabuli_Chr02	NC_021161.1	35288530	CC	TT	TT	INTERGENIC		
SNP_9819B_35288540	Ca_Kabuli_Chr02	NC_021161.1	35288540	TT	AA	AA	INTERGENIC		
SNP_9820B_35288578	Ca_Kabuli_Chr02	NC_021161.1	35288578	GG	TT	TT	INTERGENIC		
SNP_9821B_35288581	Ca_Kabuli_Chr02	NC_021161.1	35288581	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_9822B_35288703	Ca_Kabuli_Chr02	NC_021161.1	35288703	TT	CC	CC	INTERGENIC		
SNP_9823B_35288746	Ca_Kabuli_Chr02	NC_021161.1	35288746	AA	TT	TT	INTERGENIC		
SNP_9824B_35288859	Ca_Kabuli_Chr02	NC_021161.1	35288859	TT	GG	GG	INTERGENIC		
SNP_9825B_35288863	Ca_Kabuli_Chr02	NC_021161.1	35288863	GG	TT	TT	INTERGENIC		
SNP_9826B_35288966	Ca_Kabuli_Chr02	NC_021161.1	35288966	TT	CC	CC	INTERGENIC		
SNP_9827B_35288967	Ca_Kabuli_Chr02	NC_021161.1	35288967	TT	AA	AA	INTERGENIC		
SNP_9828B_35289047	Ca_Kabuli_Chr02	NC_021161.1	35289047	TT	CC	CC	INTERGENIC		
SNP_9829B_35289099	Ca_Kabuli_Chr02	NC_021161.1	35289099	TT	GG	GG	INTERGENIC		
SNP_9830B_35289103	Ca_Kabuli_Chr02	NC_021161.1	35289103	GG	CC	CC	INTERGENIC		
SNP_9831B_35289282	Ca_Kabuli_Chr02	NC_021161.1	35289282	AA	CC	CC	INTERGENIC		
SNP_9832B_35289300	Ca_Kabuli_Chr02	NC_021161.1	35289300	AA	CC	CC	INTERGENIC		
SNP_9833B_35289310	Ca_Kabuli_Chr02	NC_021161.1	35289310	TT	AA	AA	INTERGENIC		
SNP_9834B_35291940	Ca_Kabuli_Chr02	NC_021161.1	35291940	AA	GG	GG	INTRON	101503145	Unknown function
SNP_9836B_35297860	Ca_Kabuli_Chr02	NC_021161.1	35297860	CC	AA	AA	INTRON	101503145	Unknown function
SNP_9837B_35298528	Ca_Kabuli_Chr02	NC_021161.1	35298528	GG	AA	AA	SYNONYMOUS_CODING	101503145	Unknown function
SNP_9838B_35298784	Ca_Kabuli_Chr02	NC_021161.1	35298784	TT	AA	AA	INTRON	101503145	Unknown function
SNP_9839B_35298857	Ca_Kabuli_Chr02	NC_021161.1	35298857	GG	AA	AA	INTRON	101503145	Unknown function
SNP_9840B_35299116	Ca_Kabuli_Chr02	NC_021161.1	35299116	GG	AA	AA	INTRON	101503145	Unknown function
SNP_9841B_35299117	Ca_Kabuli_Chr02	NC_021161.1	35299117	AA	CC	CC	INTRON	101503145	Unknown function
SNP_9842B_35299129	Ca_Kabuli_Chr02	NC_021161.1	35299129	GG	AA	AA	INTRON	101503145	Unknown function
SNP_9843B_35299163	Ca_Kabuli_Chr02	NC_021161.1	35299163	AA	GG	GG	INTRON	101503145	Unknown function
SNP_9844B_35299597	Ca_Kabuli_Chr02	NC_021161.1	35299597	TT	CC	CC	INTRON	101503145	Unknown function
SNP_9845B_35300219	Ca_Kabuli_Chr02	NC_021161.1	35300219	GG	AA	AA	INTRON	101503145	Unknown function
SNP_9846B_35302844	Ca_Kabuli_Chr02	NC_021161.1	35302844	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_9847B_35302916	Ca_Kabuli_Chr02	NC_021161.1	35302916	GG	AA	AA	INTERGENIC		
SNP_9848B_35302992	Ca_Kabuli_Chr02	NC_021161.1	35302992	GG	AA	AA	INTERGENIC		
SNP_9849B_35303184	Ca_Kabuli_Chr02	NC_021161.1	35303184	GG	AA	AA	INTERGENIC		
SNP_9850B_35303231	Ca_Kabuli_Chr02	NC_021161.1	35303231	CC	TT	TT	INTERGENIC		
SNP_9851B_35303281	Ca_Kabuli_Chr02	NC_021161.1	35303281	TT	AA	AA	INTERGENIC		
SNP_9852B_35303295	Ca_Kabuli_Chr02	NC_021161.1	35303295	GG	AA	AA	INTERGENIC		
SNP_9853B_35303397	Ca_Kabuli_Chr02	NC_021161.1	35303397	GG	AA	AA	INTERGENIC		
SNP_9855B_35303511	Ca_Kabuli_Chr02	NC_021161.1	35303511	GG	AA	AA	INTERGENIC		
SNP_9856B_35303589	Ca_Kabuli_Chr02	NC_021161.1	35303589	AA	GG	GG	INTERGENIC		
SNP_9857B_35303595	Ca_Kabuli_Chr02	NC_021161.1	35303595	TT	GG	GG	INTERGENIC		
SNP_9858B_35303614	Ca_Kabuli_Chr02	NC_021161.1	35303614	TT	CC	CC	INTERGENIC		
SNP_9859B_35303671	Ca_Kabuli_Chr02	NC_021161.1	35303671	CC	AA	AA	INTERGENIC		
SNP_9860B_35303711	Ca_Kabuli_Chr02	NC_021161.1	35303711	GG	AA	AA	INTERGENIC		
SNP_9861B_35303836	Ca_Kabuli_Chr02	NC_021161.1	35303836	GG	AA	AA	INTERGENIC		
SNP_9862B_35303932	Ca_Kabuli_Chr02	NC_021161.1	35303932	TT	CC	CC	INTERGENIC		
SNP_9863B_35303957	Ca_Kabuli_Chr02	NC_021161.1	35303957	TT	CC	CC	INTERGENIC		
SNP_9864B_35303978	Ca_Kabuli_Chr02	NC_021161.1	35303978	TT	GG	GG	INTERGENIC		
SNP_9865B_35304015	Ca_Kabuli_Chr02	NC_021161.1	35304015	GG	CC	CC	INTERGENIC		
SNP_9866B_35304021	Ca_Kabuli_Chr02	NC_021161.1	35304021	TT	CC	CC	INTERGENIC		
SNP_9867B_35304053	Ca_Kabuli_Chr02	NC_021161.1	35304053	GG	TT	TT	INTERGENIC		
SNP_9868B_35304207	Ca_Kabuli_Chr02	NC_021161.1	35304207	GG	AA	AA	INTERGENIC		
SNP_9869B_35304311	Ca_Kabuli_Chr02	NC_021161.1	35304311	GG	AA	AA	INTERGENIC		
SNP_9871B_35304719	Ca_Kabuli_Chr02	NC_021161.1	35304719	TT	CC	CC	INTERGENIC		
SNP_9872B_35304722	Ca_Kabuli_Chr02	NC_021161.1	35304722	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_9873B_35304764	Ca_Kabuli_Chr02	NC_021161.1	35304764	TT	CC	CC	INTERGENIC		
SNP_9874B_35304962	Ca_Kabuli_Chr02	NC_021161.1	35304962	GG	TT	TT	INTERGENIC		
SNP_9875B_35305138	Ca_Kabuli_Chr02	NC_021161.1	35305138	AA	GG	GG	INTERGENIC		
SNP_9876B_35305584	Ca_Kabuli_Chr02	NC_021161.1	35305584	AA	GG	GG	INTERGENIC		
SNP_9877B_35305647	Ca_Kabuli_Chr02	NC_021161.1	35305647	CC	TT	TT	INTERGENIC		
SNP_9878B_35306353	Ca_Kabuli_Chr02	NC_021161.1	35306353	GG	AA	AA	INTERGENIC		
SNP_9879B_35306374	Ca_Kabuli_Chr02	NC_021161.1	35306374	TT	CC	CC	INTERGENIC		
SNP_9880B_35313126	Ca_Kabuli_Chr02	NC_021161.1	35313126	GG	TT	TT	INTERGENIC		
SNP_9881B_35313171	Ca_Kabuli_Chr02	NC_021161.1	35313171	CC	TT	TT	INTERGENIC		
SNP_9882B_35313225	Ca_Kabuli_Chr02	NC_021161.1	35313225	TT	GG	GG	INTERGENIC		
SNP_9884B_35353824	Ca_Kabuli_Chr02	NC_021161.1	35353824	TT	AA	AA	URR	101501137	probable serine/threonine-protein kinase WNK11
SNP_9885B_35353827	Ca_Kabuli_Chr02	NC_021161.1	35353827	AA	CC	CC	URR	101501137	probable serine/threonine-protein kinase WNK11
SNP_9886B_35406578	Ca_Kabuli_Chr02	NC_021161.1	35406578	CC	TT	TT	URR	101503354	uncharacterized LOC101503354
SNP_9888B_35556094	Ca_Kabuli_Chr02	NC_021161.1	35556094	TT	CC	CC	DRR	101513559	nuclear transcription factor Y subunit B-3-like
SNP_9889B_35556097	Ca_Kabuli_Chr02	NC_021161.1	35556097	GG	CC	CC	DRR	101513559	nuclear transcription factor Y subunit B-3-like
SNP_9890B_35559080	Ca_Kabuli_Chr02	NC_021161.1	35559080	TT	CC	CC	URR	101513559	nuclear transcription factor Y subunit B-3-like
SNP_9891B_35578464	Ca_Kabuli_Chr02	NC_021161.1	35578464	AA	TT	TT	INTRON	101514214	nicotinamide/nicotinic acid mononucleotide adenylyltransferase
SNP_9892B_35580628	Ca_Kabuli_Chr02	NC_021161.1	35580628	AA	TT	TT	URR	101514214	nicotinamide/nicotinic acid mononucleotide adenylyltransferase
SNP_9893B_35580704	Ca_Kabuli_Chr02	NC_021161.1	35580704	CC	AA	AA	URR	101514214	nicotinamide/nicotinic acid mononucleotide adenylyltransferase
SNP_9895B_35582497	Ca_Kabuli_Chr02	NC_021161.1	35582497	AA	CC	CC	DRR	101504759	probable L-type lectin-domain containing receptor kinase S.7
SNP_9896B_35788873	Ca_Kabuli_Chr02	NC_021161.1	35788873	TT	CC	CC	INTERGENIC		
SNP_9900B_35846235	Ca_Kabuli_Chr02	NC_021161.1	35846235	TT	AA	AA	URR	101497914	39S ribosomal protein L47, mitochondrial-like
SNP_9901B_35846342	Ca_Kabuli_Chr02	NC_021161.1	35846342	GG	AA	AA	URR	101497914	39S ribosomal protein L47, mitochondrial-like
SNP_9903B_35846656	Ca_Kabuli_Chr02	NC_021161.1	35846656	TT	CC	CC	DRR	101498232	probable amino acid permease 7

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_9904B_35847289	Ca_Kabuli_Chr02	NC_021161.1	35847289	AA	GG	GG	DRR	101498232	probable amino acid permease 7
SNP_9905B_35848476	Ca_Kabuli_Chr02	NC_021161.1	35848476	CC	AA	AA	INTERGENIC		
SNP_9906B_35852656	Ca_Kabuli_Chr02	NC_021161.1	35852656	AA	GG	GG	URR	101498232	probable amino acid permease 7
SNP_9907B_35852662	Ca_Kabuli_Chr02	NC_021161.1	35852662	AA	GG	GG	URR	101498232	probable amino acid permease 7
SNP_9908B_35852689	Ca_Kabuli_Chr02	NC_021161.1	35852689	CC	AA	AA	URR	101498232	probable amino acid permease 7
SNP_9909B_35853636	Ca_Kabuli_Chr02	NC_021161.1	35853636	CC	TT	TT	URR	101498232	probable amino acid permease 7
SNP_9911B_35853717	Ca_Kabuli_Chr02	NC_021161.1	35853717	AA	GG	GG	URR	101498232	probable amino acid permease 7
SNP_9912B_35855737	Ca_Kabuli_Chr02	NC_021161.1	35855737	GG	AA	AA	INTERGENIC		
SNP_9913B_35855840	Ca_Kabuli_Chr02	NC_021161.1	35855840	AA	GG	GG	INTERGENIC		
SNP_9914B_35856834	Ca_Kabuli_Chr02	NC_021161.1	35856834	CC	TT	TT	URR	101498565	uncharacterized LOC101498565
SNP_9915B_35865416	Ca_Kabuli_Chr02	NC_021161.1	35865416	CC	TT	TT	URR	101498901	armadillo repeat-containing protein 8
SNP_9916B_35866046	Ca_Kabuli_Chr02	NC_021161.1	35866046	GG	AA	AA	URR	101498901	armadillo repeat-containing protein 8
SNP_9917B_35872078	Ca_Kabuli_Chr02	NC_021161.1	35872078	GG	CC	CC	INTERGENIC		
SNP_9918B_35872125	Ca_Kabuli_Chr02	NC_021161.1	35872125	TT	CC	CC	INTERGENIC		
SNP_9919B_35872420	Ca_Kabuli_Chr02	NC_021161.1	35872420	GG	AA	AA	INTERGENIC		
SNP_9920B_35878088	Ca_Kabuli_Chr02	NC_021161.1	35878088	GG	AA	AA	INTRON	101506060	aspartic proteinase-like protein 2
SNP_9921B_35878257	Ca_Kabuli_Chr02	NC_021161.1	35878257	TT	CC	CC	NON_SYNONYMOUS_CODING	101506060	aspartic proteinase-like protein 2
SNP_9922B_35878302	Ca_Kabuli_Chr02	NC_021161.1	35878302	CC	TT	TT	INTRON	101506060	aspartic proteinase-like protein 2
SNP_9923B_35878342	Ca_Kabuli_Chr02	NC_021161.1	35878342	TT	GG	GG	INTRON	101506060	aspartic proteinase-like protein 2
SNP_9924B_35878458	Ca_Kabuli_Chr02	NC_021161.1	35878458	TT	AA	AA	NON_SYNONYMOUS_CODING	101506060	aspartic proteinase-like protein 2
SNP_9925B_35878527	Ca_Kabuli_Chr02	NC_021161.1	35878527	TT	AA	AA	NON_SYNONYMOUS_CODING	101506060	aspartic proteinase-like protein 2
SNP_9926B_35888908	Ca_Kabuli_Chr02	NC_021161.1	35888908	CC	TT	TT	INTERGENIC		
SNP_9927B_35890289	Ca_Kabuli_Chr02	NC_021161.1	35890289	GG	TT	TT	INTERGENIC		
SNP_9929B_35893772	Ca_Kabuli_Chr02	NC_021161.1	35893772	GG	AA	AA	DRR	101499331	neutral ceramidase-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_9931B_35895071	Ca_Kabuli_Chr02	NC_021161.1	35895071	GG	TT	TT	INTRON	101499331	neutral ceramidase-like
SNP_9932B_35895587	Ca_Kabuli_Chr02	NC_021161.1	35895587	AA	CC	CC	INTRON	101499331	neutral ceramidase-like
SNP_9933B_35898856	Ca_Kabuli_Chr02	NC_021161.1	35898856	CC	AA	AA	INTRON	101499331	neutral ceramidase-like
SNP_9934B_35901298	Ca_Kabuli_Chr02	NC_021161.1	35901298	TT	AA	AA	URR	101499331	neutral ceramidase-like
SNP_9935B_35908649	Ca_Kabuli_Chr02	NC_021161.1	35908649	CC	TT	TT	URR	101499647	cytosolic enolase 3
SNP_9937B_35910047	Ca_Kabuli_Chr02	NC_021161.1	35910047	GG	AA	AA	DRR	101499951	protein QUIRKY-like
SNP_9938B_35915747	Ca_Kabuli_Chr02	NC_021161.1	35915747	GG	AA	AA	INTERGENIC		
SNP_9939B_35919018	Ca_Kabuli_Chr02	NC_021161.1	35919018	CC	AA	AA	URR	101500296	glucose-1-phosphate adenylyltransferase small subunit 1, chloroplastic
SNP_9940B_35919032	Ca_Kabuli_Chr02	NC_021161.1	35919032	AA	GG	GG	URR	101500296	glucose-1-phosphate adenylyltransferase small subunit 1, chloroplastic
SNP_9941B_35919036	Ca_Kabuli_Chr02	NC_021161.1	35919036	AA	TT	TT	URR	101500296	glucose-1-phosphate adenylyltransferase small subunit 1, chloroplastic
SNP_9942B_35921883	Ca_Kabuli_Chr02	NC_021161.1	35921883	AA	GG	GG	INTERGENIC		
SNP_9943B_35921897	Ca_Kabuli_Chr02	NC_021161.1	35921897	CC	TT	TT	INTERGENIC		
SNP_9944B_35924165	Ca_Kabuli_Chr02	NC_021161.1	35924165	TT	CC	CC	INTRON	101506374	transcriptional regulator STERILE APETALA
SNP_9945B_35925884	Ca_Kabuli_Chr02	NC_021161.1	35925884	CC	TT	TT	INTRON	101506374	transcriptional regulator STERILE APETALA
SNP_9947B_35942561	Ca_Kabuli_Chr02	NC_021161.1	35942561	CC	TT	TT	INTERGENIC		
SNP_9948B_35944225	Ca_Kabuli_Chr02	NC_021161.1	35944225	TT	AA	AA	INTRON	101506703	phytochromobilin:ferredoxin oxidoreductase, chloroplastic
SNP_9949B_35944781	Ca_Kabuli_Chr02	NC_021161.1	35944781	CC	TT	TT	SYNONYMOUS_CODING	101506703	phytochromobilin:ferredoxin oxidoreductase, chloroplastic
SNP_9950B_35944799	Ca_Kabuli_Chr02	NC_021161.1	35944799	GG	AA	AA	SYNONYMOUS_CODING	101506703	phytochromobilin:ferredoxin oxidoreductase, chloroplastic
SNP_9951B_35944816	Ca_Kabuli_Chr02	NC_021161.1	35944816	AA	CC	CC	NON_SYNONYMOUS_CODING	101506703	phytochromobilin:ferredoxin oxidoreductase, chloroplastic
SNP_9952B_35944831	Ca_Kabuli_Chr02	NC_021161.1	35944831	CC	TT	TT	NON_SYNONYMOUS_CODING	101506703	phytochromobilin:ferredoxin oxidoreductase, chloroplastic
SNP_9953B_35944834	Ca_Kabuli_Chr02	NC_021161.1	35944834	CC	TT	TT	NON_SYNONYMOUS_CODING	101506703	phytochromobilin:ferredoxin oxidoreductase, chloroplastic
SNP_9954B_35944855	Ca_Kabuli_Chr02	NC_021161.1	35944855	CC	TT	TT	NON_SYNONYMOUS_CODING	101506703	phytochromobilin:ferredoxin oxidoreductase, chloroplastic
SNP_9955B_35944897	Ca_Kabuli_Chr02	NC_021161.1	35944897	TT	AA	AA	INTERGENIC		
SNP_9956B_35944958	Ca_Kabuli_Chr02	NC_021161.1	35944958	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_9958B_35945012	Ca_Kabuli_Chr02	NC_021161.1	35945012	AA	GG	GG	INTERGENIC		
SNP_9959B_35945028	Ca_Kabuli_Chr02	NC_021161.1	35945028	TT	AA	AA	INTERGENIC		
SNP_9960B_35945051	Ca_Kabuli_Chr02	NC_021161.1	35945051	CC	AA	AA	INTERGENIC		
SNP_9961B_35945086	Ca_Kabuli_Chr02	NC_021161.1	35945086	AA	TT	TT	INTERGENIC		
SNP_9962B_35945091	Ca_Kabuli_Chr02	NC_021161.1	35945091	CC	AA	AA	INTERGENIC		
SNP_9963B_35945161	Ca_Kabuli_Chr02	NC_021161.1	35945161	AA	TT	TT	INTERGENIC		
SNP_9964B_35945206	Ca_Kabuli_Chr02	NC_021161.1	35945206	AA	TT	TT	INTERGENIC		
SNP_9965B_35945220	Ca_Kabuli_Chr02	NC_021161.1	35945220	AA	CC	CC	INTERGENIC		
SNP_9966B_35945284	Ca_Kabuli_Chr02	NC_021161.1	35945284	AA	GG	GG	INTERGENIC		
SNP_9967B_35945287	Ca_Kabuli_Chr02	NC_021161.1	35945287	AA	GG	GG	INTERGENIC		
SNP_9968B_35945293	Ca_Kabuli_Chr02	NC_021161.1	35945293	AA	GG	GG	INTERGENIC		
SNP_9970B_35956365	Ca_Kabuli_Chr02	NC_021161.1	35956365	CC	AA	AA	INTERGENIC		
SNP_9971B_35957404	Ca_Kabuli_Chr02	NC_021161.1	35957404	CC	TT	TT	INTERGENIC		
SNP_9972B_35957457	Ca_Kabuli_Chr02	NC_021161.1	35957457	GG	TT	TT	INTERGENIC		
SNP_9973B_35960431	Ca_Kabuli_Chr02	NC_021161.1	35960431	AA	CC	CC	URR	101500609	F-box protein SNE
SNP_9974B_35960436	Ca_Kabuli_Chr02	NC_021161.1	35960436	CC	AA	AA	URR	101500609	F-box protein SNE
SNP_9975B_35960451	Ca_Kabuli_Chr02	NC_021161.1	35960451	CC	TT	TT	URR	101500609	F-box protein SNE
SNP_9976B_35960457	Ca_Kabuli_Chr02	NC_021161.1	35960457	CC	TT	TT	URR	101500609	F-box protein SNE
SNP_9977B_35961900	Ca_Kabuli_Chr02	NC_021161.1	35961900	CC	TT	TT	INTERGENIC		
SNP_9979B_35962207	Ca_Kabuli_Chr02	NC_021161.1	35962207	TT	CC	CC	INTERGENIC		
SNP_9980B_35962426	Ca_Kabuli_Chr02	NC_021161.1	35962426	TT	CC	CC	INTERGENIC		
SNP_9981B_35962438	Ca_Kabuli_Chr02	NC_021161.1	35962438	AA	GG	GG	INTERGENIC		
SNP_9984B_35962749	Ca_Kabuli_Chr02	NC_021161.1	35962749	TT	AA	AA	INTERGENIC		
SNP_9985B_35962752	Ca_Kabuli_Chr02	NC_021161.1	35962752	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_9986B_35962754	Ca_Kabuli_Chr02	NC_021161.1	35962754	GG	TT	TT	INTERGENIC		
SNP_9987B_35962789	Ca_Kabuli_Chr02	NC_021161.1	35962789	TT	AA	AA	INTERGENIC		
SNP_9988B_35963031	Ca_Kabuli_Chr02	NC_021161.1	35963031	CC	GG	GG	INTERGENIC		
SNP_9989B_35963039	Ca_Kabuli_Chr02	NC_021161.1	35963039	AA	GG	GG	INTERGENIC		
SNP_9990B_35963041	Ca_Kabuli_Chr02	NC_021161.1	35963041	TT	CC	CC	INTERGENIC		
SNP_9991B_35963074	Ca_Kabuli_Chr02	NC_021161.1	35963074	GG	CC	CC	INTERGENIC		
SNP_9992B_35963501	Ca_Kabuli_Chr02	NC_021161.1	35963501	TT	CC	CC	INTERGENIC		
SNP_9993B_35963625	Ca_Kabuli_Chr02	NC_021161.1	35963625	GG	AA	AA	INTERGENIC		
SNP_9995B_35970463	Ca_Kabuli_Chr02	NC_021161.1	35970463	CC	TT	TT	INTRON	101501248	uncharacterized LOC101501248
SNP_9997B_35972717	Ca_Kabuli_Chr02	NC_021161.1	35972717	GG	CC	CC	INTRON	101501248	uncharacterized LOC101501248
SNP_9998B_35983180	Ca_Kabuli_Chr02	NC_021161.1	35983180	TT	GG	GG	INTERGENIC		
SNP_9999B_35983700	Ca_Kabuli_Chr02	NC_021161.1	35983700	TT	AA	AA	INTERGENIC		
SNP_10000B_35983754	Ca_Kabuli_Chr02	NC_021161.1	35983754	GG	AA	AA	INTERGENIC		
SNP_10001B_35983817	Ca_Kabuli_Chr02	NC_021161.1	35983817	AA	GG	GG	INTERGENIC		
SNP_10002B_35983885	Ca_Kabuli_Chr02	NC_021161.1	35983885	GG	AA	AA	INTERGENIC		
SNP_10003B_35983903	Ca_Kabuli_Chr02	NC_021161.1	35983903	TT	CC	CC	INTERGENIC		
SNP_10004B_35983927	Ca_Kabuli_Chr02	NC_021161.1	35983927	AA	CC	CC	INTERGENIC		
SNP_10005B_35984090	Ca_Kabuli_Chr02	NC_021161.1	35984090	AA	CC	CC	INTERGENIC		
SNP_10006B_35986927	Ca_Kabuli_Chr02	NC_021161.1	35986927	AA	TT	TT	DRR	101502198	uncharacterized LOC101502198
SNP_10007B_35986931	Ca_Kabuli_Chr02	NC_021161.1	35986931	GG	TT	TT	DRR	101502198	uncharacterized LOC101502198
SNP_10008B_35987920	Ca_Kabuli_Chr02	NC_021161.1	35987920	CC	AA	AA	URR	101501248	uncharacterized LOC101501248
SNP_10010B_35988275	Ca_Kabuli_Chr02	NC_021161.1	35988275	GG	CC	CC	URR	101501248	uncharacterized LOC101501248
SNP_10011B_35992815	Ca_Kabuli_Chr02	NC_021161.1	35992815	CC	GG	GG	SYNONYMOUS_CODING	101502198	uncharacterized LOC101502198
SNP_10014B_35996462	Ca_Kabuli_Chr02	NC_021161.1	35996462	GG	AA	AA	URR	101502198	uncharacterized LOC101502198

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_10015B_35997107	Ca_Kabuli_Chr02	NC_021161.1	35997107	TT	GG	GG	URR	101502198	uncharacterized LOC101502198
SNP_10016B_35997258	Ca_Kabuli_Chr02	NC_021161.1	35997258	AA	GG	GG	DRR	101502937	uncharacterized LOC101502937
SNP_10017B_35997272	Ca_Kabuli_Chr02	NC_021161.1	35997272	CC	TT	TT	DRR	101502937	uncharacterized LOC101502937
SNP_10018B_35997273	Ca_Kabuli_Chr02	NC_021161.1	35997273	TT	CC	CC	DRR	101502937	uncharacterized LOC101502937
SNP_10019B_35997279	Ca_Kabuli_Chr02	NC_021161.1	35997279	TT	CC	CC	DRR	101502937	uncharacterized LOC101502937
SNP_10020B_35997288	Ca_Kabuli_Chr02	NC_021161.1	35997288	CC	TT	TT	DRR	101502937	uncharacterized LOC101502937
SNP_10021B_35997291	Ca_Kabuli_Chr02	NC_021161.1	35997291	CC	TT	TT	DRR	101502937	uncharacterized LOC101502937
SNP_10022B_35997297	Ca_Kabuli_Chr02	NC_021161.1	35997297	TT	CC	CC	DRR	101502937	uncharacterized LOC101502937
SNP_10023B_35997722	Ca_Kabuli_Chr02	NC_021161.1	35997722	AA	GG	GG	DRR	101502937	uncharacterized LOC101502937
SNP_10024B_35999218	Ca_Kabuli_Chr02	NC_021161.1	35999218	AA	GG	GG	INTRON	101502937	uncharacterized LOC101502937
SNP_10025B_35999875	Ca_Kabuli_Chr02	NC_021161.1	35999875	TT	AA	AA	INTRON	101502937	uncharacterized LOC101502937
SNP_10027B_36001400	Ca_Kabuli_Chr02	NC_021161.1	36001400	TT	GG	GG	URR	101502937	uncharacterized LOC101502937
SNP_10028B_36015127	Ca_Kabuli_Chr02	NC_021161.1	36015127	CC	TT	TT	INTERGENIC		
SNP_10029B_36016362	Ca_Kabuli_Chr02	NC_021161.1	36016362	GG	AA	AA	INTERGENIC		
SNP_10030B_36025477	Ca_Kabuli_Chr02	NC_021161.1	36025477	CC	TT	TT	INTRON	101504127	calcium-transporting ATPase 12, plasma membrane-type-like
SNP_10031B_36025503	Ca_Kabuli_Chr02	NC_021161.1	36025503	GG	CC	CC	INTRON	101504127	calcium-transporting ATPase 12, plasma membrane-type-like
SNP_10032B_36052417	Ca_Kabuli_Chr02	NC_021161.1	36052417	GG	AA	AA	URR	101505628	heat shock protein 83
SNP_10033B_36052418	Ca_Kabuli_Chr02	NC_021161.1	36052418	AA	TT	TT	URR	101505628	heat shock protein 83
SNP_10035B_36066023	Ca_Kabuli_Chr02	NC_021161.1	36066023	TT	GG	GG	NON_SYNONYMOUS_CODING	101507033	histidine kinase 2
SNP_10036B_36069106	Ca_Kabuli_Chr02	NC_021161.1	36069106	TT	CC	CC	SYNONYMOUS_CODING	101507033	histidine kinase 2
SNP_10037B_36072864	Ca_Kabuli_Chr02	NC_021161.1	36072864	AA	GG	GG	DRR	101507561	glucan endo-1,3-beta-glucosidase 4
SNP_10038B_36081908	Ca_Kabuli_Chr02	NC_021161.1	36081908	AA	GG	GG	INTERGENIC		
SNP_10039B_36110761	Ca_Kabuli_Chr02	NC_021161.1	36110761	CC	TT	TT	INTERGENIC		
SNP_10040B_36120826	Ca_Kabuli_Chr02	NC_021161.1	36120826	AA	TT	TT	URR	101509572	heterogeneous nuclear ribonucleoprotein 1

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_10042B_36146719	Ca_Kabuli_Chr02	NC_021161.1	36146719	TT	CC	CC	INTRON	101507668	uncharacterized LOC101507668
SNP_10043B_36146853	Ca_Kabuli_Chr02	NC_021161.1	36146853	CC	TT	TT	INTRON	101507668	uncharacterized LOC101507668
SNP_10045B_36151080	Ca_Kabuli_Chr02	NC_021161.1	36151080	AA	GG	GG	INTERGENIC		
SNP_10047B_36164452	Ca_Kabuli_Chr02	NC_021161.1	36164452	AA	GG	GG	DRR	101512794	nuclear pore complex protein NUP96
SNP_10048B_36321367	Ca_Kabuli_Chr02	NC_021161.1	36321367	AA	CC	CC	INTRON	101492728	uncharacterized LOC101492728
SNP_10049B_36321382	Ca_Kabuli_Chr02	NC_021161.1	36321382	AA	TT	TT	INTRON	101492728	uncharacterized LOC101492728
SNP_10052B_36413312	Ca_Kabuli_Chr02	NC_021161.1	36413312	AA	TT	TT	INTERGENIC		
SNP_10053B_36421759	Ca_Kabuli_Chr02	NC_021161.1	36421759	CC	TT	TT	INTERGENIC		
SNP_10054B_36597548	Ca_Kabuli_Chr02	NC_021161.1	36597548	CC	TT	TT	INTERGENIC		
SNP_10055B_36597550	Ca_Kabuli_Chr02	NC_021161.1	36597550	TT	CC	CC	INTERGENIC		
SNP_10056B_36597882	Ca_Kabuli_Chr02	NC_021161.1	36597882	AA	GG	GG	INTERGENIC		
SNP_10057B_36607632	Ca_Kabuli_Chr02	NC_021161.1	36607632	TT	CC	CC	INTRON	id42488	Unknown function
SNP_10058B_36624181	Ca_Kabuli_Chr02	NC_021161.1	36624181	GG	TT	TT	INTERGENIC		
SNP_10059B_36624182	Ca_Kabuli_Chr02	NC_021161.1	36624182	TT	AA	AA	INTERGENIC		
SNP_10060B_36624256	Ca_Kabuli_Chr02	NC_021161.1	36624256	TT	CC	CC	INTERGENIC		
SNP_10061B_36624276	Ca_Kabuli_Chr02	NC_021161.1	36624276	AA	GG	GG	INTERGENIC		
SNP_10062B_36624397	Ca_Kabuli_Chr02	NC_021161.1	36624397	AA	GG	GG	INTERGENIC		
SNP_10063B_36624497	Ca_Kabuli_Chr02	NC_021161.1	36624497	TT	CC	CC	INTERGENIC		
SNP_10064B_36626378	Ca_Kabuli_Chr02	NC_021161.1	36626378	AA	GG	GG	INTERGENIC		
SNP_10065B_36627078	Ca_Kabuli_Chr02	NC_021161.1	36627078	CC	TT	TT	INTERGENIC		
SNP_10066B_36628463	Ca_Kabuli_Chr02	NC_021161.1	36628463	AA	CC	CC	INTERGENIC		
SNP_10067B_36633213	Ca_Kabuli_Chr02	NC_021161.1	36633213	CC	AA	AA	INTERGENIC		
SNP_10068B_36634802	Ca_Kabuli_Chr02	NC_021161.1	36634802	AA	GG	GG	INTERGENIC		
SNP_10069B_5598	Ca_Kabuli_Chr03	NC_021162.1	5598	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_10070B_72355	Ca_Kabuli_Chr03	NC_021162.1	72355	CC	AA	AA	DRR	101511294	uncharacterized LOC101511294
SNP_10071B_72356	Ca_Kabuli_Chr03	NC_021162.1	72356	CC	AA	AA	DRR	101511294	uncharacterized LOC101511294
SNP_10072B_84169	Ca_Kabuli_Chr03	NC_021162.1	84169	AA	GG	GG	INTERGENIC		
SNP_10073B_86095	Ca_Kabuli_Chr03	NC_021162.1	86095	TT	CC	CC	INTERGENIC		
SNP_10075B_189870	Ca_Kabuli_Chr03	NC_021162.1	189870	TT	CC	CC	INTERGENIC		
SNP_10076B_189902	Ca_Kabuli_Chr03	NC_021162.1	189902	CC	AA	AA	INTERGENIC		
SNP_10077B_189916	Ca_Kabuli_Chr03	NC_021162.1	189916	AA	GG	GG	INTERGENIC		
SNP_10078B_189928	Ca_Kabuli_Chr03	NC_021162.1	189928	AA	CC	CC	INTERGENIC		
SNP_10079B_189929	Ca_Kabuli_Chr03	NC_021162.1	189929	AA	TT	TT	INTERGENIC		
SNP_10080B_189932	Ca_Kabuli_Chr03	NC_021162.1	189932	GG	AA	AA	INTERGENIC		
SNP_10081B_189938	Ca_Kabuli_Chr03	NC_021162.1	189938	AA	GG	GG	INTERGENIC		
SNP_10082B_214008	Ca_Kabuli_Chr03	NC_021162.1	214008	TT	CC	CC	DRR	101513869	callose synthase 3-like
SNP_10084B_247679	Ca_Kabuli_Chr03	NC_021162.1	247679	GG	AA	AA	INTERGENIC		
SNP_10085B_251369	Ca_Kabuli_Chr03	NC_021162.1	251369	AA	GG	GG	INTERGENIC		
SNP_10086B_277453	Ca_Kabuli_Chr03	NC_021162.1	277453	TT	GG	GG	INTERGENIC		
SNP_10087B_277656	Ca_Kabuli_Chr03	NC_021162.1	277656	AA	GG	GG	INTERGENIC		
SNP_10088B_277670	Ca_Kabuli_Chr03	NC_021162.1	277670	CC	TT	TT	INTERGENIC		
SNP_10089B_336071	Ca_Kabuli_Chr03	NC_021162.1	336071	GG	AA	AA	INTERGENIC		
SNP_10090B_371708	Ca_Kabuli_Chr03	NC_021162.1	371708	AA	CC	CC	INTERGENIC		
SNP_10092B_450062	Ca_Kabuli_Chr03	NC_021162.1	450062	GG	AA	AA	INTERGENIC		
SNP_10093B_451700	Ca_Kabuli_Chr03	NC_021162.1	451700	GG	AA	AA	DRR	101491197	F-box/kelch-repeat protein At3g23880-like
SNP_10094B_451809	Ca_Kabuli_Chr03	NC_021162.1	451809	AA	GG	GG	DRR	101491197	F-box/kelch-repeat protein At3g23880-like
SNP_10095B_451980	Ca_Kabuli_Chr03	NC_021162.1	451980	CC	AA	AA	DRR	101491197	F-box/kelch-repeat protein At3g23880-like
SNP_10096B_452090	Ca_Kabuli_Chr03	NC_021162.1	452090	TT	AA	AA	DRR	101491197	F-box/kelch-repeat protein At3g23880-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_10099B_454727	Ca_Kabuli_Chr03	NC_021162.1	454727	CC	TT	TT	URR	101491197	F-box/kelch-repeat protein At3g23880-like
SNP_10100B_454738	Ca_Kabuli_Chr03	NC_021162.1	454738	TT	CC	CC	URR	101491197	F-box/kelch-repeat protein At3g23880-like
SNP_10101B_454851	Ca_Kabuli_Chr03	NC_021162.1	454851	GG	AA	AA	URR	101491197	F-box/kelch-repeat protein At3g23880-like
SNP_10102B_454862	Ca_Kabuli_Chr03	NC_021162.1	454862	AA	GG	GG	URR	101491197	F-box/kelch-repeat protein At3g23880-like
SNP_10103B_457860	Ca_Kabuli_Chr03	NC_021162.1	457860	GG	TT	TT	INTERGENIC		
SNP_10104B_473881	Ca_Kabuli_Chr03	NC_021162.1	473881	GG	AA	AA	INTERGENIC		
SNP_10105B_566314	Ca_Kabuli_Chr03	NC_021162.1	566314	AA	CC	CC	INTERGENIC		
SNP_10106B_647432	Ca_Kabuli_Chr03	NC_021162.1	647432	CC	TT	TT	INTERGENIC		
SNP_10107B_647437	Ca_Kabuli_Chr03	NC_021162.1	647437	GG	AA	AA	INTERGENIC		
SNP_10108B_647492	Ca_Kabuli_Chr03	NC_021162.1	647492	CC	AA	AA	INTERGENIC		
SNP_10109B_671284	Ca_Kabuli_Chr03	NC_021162.1	671284	TT	CC	CC	SYNONYMOUS_CODING	101498348	uncharacterized LOC101498348
SNP_10110B_671321	Ca_Kabuli_Chr03	NC_021162.1	671321	GG	AA	AA	NON_SYNONYMOUS_CODING	101498348	uncharacterized LOC101498348
SNP_10111B_671376	Ca_Kabuli_Chr03	NC_021162.1	671376	TT	CC	CC	INTRON	101498348	uncharacterized LOC101498348
SNP_10112B_671392	Ca_Kabuli_Chr03	NC_021162.1	671392	TT	GG	GG	INTRON	101498348	uncharacterized LOC101498348
SNP_10113B_671399	Ca_Kabuli_Chr03	NC_021162.1	671399	GG	CC	CC	INTRON	101498348	uncharacterized LOC101498348
SNP_10114B_671412	Ca_Kabuli_Chr03	NC_021162.1	671412	TT	AA	AA	INTRON	101498348	uncharacterized LOC101498348
SNP_10115B_671451	Ca_Kabuli_Chr03	NC_021162.1	671451	AA	GG	GG	INTRON	101498348	uncharacterized LOC101498348
SNP_10116B_671549	Ca_Kabuli_Chr03	NC_021162.1	671549	TT	CC	CC	NON_SYNONYMOUS_CODING	101498348	uncharacterized LOC101498348
SNP_10117B_671633	Ca_Kabuli_Chr03	NC_021162.1	671633	TT	CC	CC	NON_SYNONYMOUS_CODING	101498348	uncharacterized LOC101498348
SNP_10118B_812822	Ca_Kabuli_Chr03	NC_021162.1	812822	CC	TT	TT	INTERGENIC		
SNP_10119B_888998	Ca_Kabuli_Chr03	NC_021162.1	888998	AA	TT	TT	INTERGENIC		
SNP_10120B_899597	Ca_Kabuli_Chr03	NC_021162.1	899597	CC	AA	AA	INTERGENIC		
SNP_10121B_907493	Ca_Kabuli_Chr03	NC_021162.1	907493	CC	AA	AA	INTERGENIC		
SNP_10122B_922516	Ca_Kabuli_Chr03	NC_021162.1	922516	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_10123B_922553	Ca_Kabuli_Chr03	NC_021162.1	922553	AA	GG	GG	INTERGENIC		
SNP_10124B_922557	Ca_Kabuli_Chr03	NC_021162.1	922557	AA	TT	TT	INTERGENIC		
SNP_10125B_922599	Ca_Kabuli_Chr03	NC_021162.1	922599	TT	CC	CC	INTERGENIC		
SNP_10126B_922645	Ca_Kabuli_Chr03	NC_021162.1	922645	TT	CC	CC	INTERGENIC		
SNP_10127B_923493	Ca_Kabuli_Chr03	NC_021162.1	923493	GG	AA	AA	INTERGENIC		
SNP_10128B_924803	Ca_Kabuli_Chr03	NC_021162.1	924803	AA	GG	GG	INTERGENIC		
SNP_10129B_924839	Ca_Kabuli_Chr03	NC_021162.1	924839	AA	GG	GG	INTERGENIC		
SNP_10130B_938903	Ca_Kabuli_Chr03	NC_021162.1	938903	TT	AA	AA	INTERGENIC		
SNP_10132B_939100	Ca_Kabuli_Chr03	NC_021162.1	939100	AA	GG	GG	INTERGENIC		
SNP_10133B_939166	Ca_Kabuli_Chr03	NC_021162.1	939166	GG	TT	TT	INTERGENIC		
SNP_10134B_939396	Ca_Kabuli_Chr03	NC_021162.1	939396	GG	AA	AA	INTERGENIC		
SNP_10135B_959118	Ca_Kabuli_Chr03	NC_021162.1	959118	TT	GG	GG	INTERGENIC		
SNP_10136B_959400	Ca_Kabuli_Chr03	NC_021162.1	959400	TT	CC	CC	INTERGENIC		
SNP_10137B_962309	Ca_Kabuli_Chr03	NC_021162.1	962309	TT	AA	AA	INTERGENIC		
SNP_10138B_962482	Ca_Kabuli_Chr03	NC_021162.1	962482	TT	CC	CC	INTERGENIC		
SNP_10139B_962517	Ca_Kabuli_Chr03	NC_021162.1	962517	GG	AA	AA	INTERGENIC		
SNP_10140B_964059	Ca_Kabuli_Chr03	NC_021162.1	964059	AA	CC	CC	INTERGENIC		
SNP_10141B_964568	Ca_Kabuli_Chr03	NC_021162.1	964568	CC	TT	TT	INTERGENIC		
SNP_10142B_993659	Ca_Kabuli_Chr03	NC_021162.1	993659	TT	CC	CC	INTERGENIC		
SNP_10143B_1005340	Ca_Kabuli_Chr03	NC_021162.1	1005340	CC	AA	AA	INTERGENIC		
SNP_10144B_1005376	Ca_Kabuli_Chr03	NC_021162.1	1005376	AA	GG	GG	INTERGENIC		
SNP_10146B_1038194	Ca_Kabuli_Chr03	NC_021162.1	1038194	AA	GG	GG	INTERGENIC		
SNP_10147B_1038213	Ca_Kabuli_Chr03	NC_021162.1	1038213	TT	CC	CC	INTERGENIC		
SNP_10148B_1054054	Ca_Kabuli_Chr03	NC_021162.1	1054054	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_10149B_1062946	Ca_Kabuli_Chr03	NC_021162.1	1062946	CC	TT	TT	INTERGENIC		
SNP_10150B_1063112	Ca_Kabuli_Chr03	NC_021162.1	1063112	CC	TT	TT	INTERGENIC		
SNP_10151B_1063148	Ca_Kabuli_Chr03	NC_021162.1	1063148	TT	CC	CC	INTERGENIC		
SNP_10152B_1159563	Ca_Kabuli_Chr03	NC_021162.1	1159563	CC	AA	AA	INTERGENIC		
SNP_10153B_1175163	Ca_Kabuli_Chr03	NC_021162.1	1175163	TT	AA	AA	INTERGENIC		
SNP_10154B_1175415	Ca_Kabuli_Chr03	NC_021162.1	1175415	TT	GG	GG	INTERGENIC		
SNP_10155B_1175443	Ca_Kabuli_Chr03	NC_021162.1	1175443	AA	CC	CC	INTERGENIC		
SNP_10156B_1175453	Ca_Kabuli_Chr03	NC_021162.1	1175453	TT	GG	GG	INTERGENIC		
SNP_10157B_1175485	Ca_Kabuli_Chr03	NC_021162.1	1175485	TT	CC	CC	INTERGENIC		
SNP_10158B_1175486	Ca_Kabuli_Chr03	NC_021162.1	1175486	AA	TT	TT	INTERGENIC		
SNP_10159B_1175761	Ca_Kabuli_Chr03	NC_021162.1	1175761	AA	GG	GG	INTERGENIC		
SNP_10160B_1175791	Ca_Kabuli_Chr03	NC_021162.1	1175791	AA	TT	TT	INTERGENIC		
SNP_10161B_1175911	Ca_Kabuli_Chr03	NC_021162.1	1175911	AA	GG	GG	INTERGENIC		
SNP_10162B_1175945	Ca_Kabuli_Chr03	NC_021162.1	1175945	GG	AA	AA	INTERGENIC		
SNP_10163B_1185584	Ca_Kabuli_Chr03	NC_021162.1	1185584	TT	CC	CC	INTERGENIC		
SNP_10164B_1185894	Ca_Kabuli_Chr03	NC_021162.1	1185894	GG	AA	AA	INTERGENIC		
SNP_10165B_1185903	Ca_Kabuli_Chr03	NC_021162.1	1185903	GG	TT	TT	INTERGENIC		
SNP_10166B_1185904	Ca_Kabuli_Chr03	NC_021162.1	1185904	GG	AA	AA	INTERGENIC		
SNP_10167B_1185933	Ca_Kabuli_Chr03	NC_021162.1	1185933	TT	CC	CC	INTERGENIC		
SNP_10168B_1188676	Ca_Kabuli_Chr03	NC_021162.1	1188676	TT	AA	AA	INTERGENIC		
SNP_10169B_1188683	Ca_Kabuli_Chr03	NC_021162.1	1188683	CC	TT	TT	INTERGENIC		
SNP_10170B_1188728	Ca_Kabuli_Chr03	NC_021162.1	1188728	GG	AA	AA	INTERGENIC		
SNP_10171B_1273313	Ca_Kabuli_Chr03	NC_021162.1	1273313	AA	GG	GG	INTERGENIC		
SNP_10172B_1395094	Ca_Kabuli_Chr03	NC_021162.1	1395094	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_10173B_1395110	Ca_Kabuli_Chr03	NC_021162.1	1395110	TT	AA	AA	INTERGENIC		
SNP_10174B_1395121	Ca_Kabuli_Chr03	NC_021162.1	1395121	AA	GG	GG	INTERGENIC		
SNP_10175B_1395135	Ca_Kabuli_Chr03	NC_021162.1	1395135	CC	TT	TT	INTERGENIC		
SNP_10176B_1395392	Ca_Kabuli_Chr03	NC_021162.1	1395392	CC	AA	AA	INTERGENIC		
SNP_10177B_1395397	Ca_Kabuli_Chr03	NC_021162.1	1395397	TT	AA	AA	INTERGENIC		
SNP_10178B_1395398	Ca_Kabuli_Chr03	NC_021162.1	1395398	AA	CC	CC	INTERGENIC		
SNP_10179B_1395399	Ca_Kabuli_Chr03	NC_021162.1	1395399	TT	AA	AA	INTERGENIC		
SNP_10180B_1395400	Ca_Kabuli_Chr03	NC_021162.1	1395400	GG	TT	TT	INTERGENIC		
SNP_10181B_1395407	Ca_Kabuli_Chr03	NC_021162.1	1395407	GG	TT	TT	INTERGENIC		
SNP_10182B_1395482	Ca_Kabuli_Chr03	NC_021162.1	1395482	CC	TT	TT	INTERGENIC		
SNP_10183B_1395580	Ca_Kabuli_Chr03	NC_021162.1	1395580	GG	TT	TT	INTERGENIC		
SNP_10184B_1396142	Ca_Kabuli_Chr03	NC_021162.1	1396142	AA	GG	GG	INTERGENIC		
SNP_10185B_1396167	Ca_Kabuli_Chr03	NC_021162.1	1396167	TT	GG	GG	INTERGENIC		
SNP_10186B_1396177	Ca_Kabuli_Chr03	NC_021162.1	1396177	TT	GG	GG	INTERGENIC		
SNP_10187B_1396182	Ca_Kabuli_Chr03	NC_021162.1	1396182	AA	GG	GG	INTERGENIC		
SNP_10188B_1396966	Ca_Kabuli_Chr03	NC_021162.1	1396966	AA	TT	TT	INTERGENIC		
SNP_10189B_1450685	Ca_Kabuli_Chr03	NC_021162.1	1450685	GG	TT	TT	INTERGENIC		
SNP_10190B_1450898	Ca_Kabuli_Chr03	NC_021162.1	1450898	CC	TT	TT	INTERGENIC		
SNP_10191B_1450984	Ca_Kabuli_Chr03	NC_021162.1	1450984	AA	GG	GG	INTERGENIC		
SNP_10192B_1452268	Ca_Kabuli_Chr03	NC_021162.1	1452268	TT	AA	AA	INTERGENIC		
SNP_10193B_1452269	Ca_Kabuli_Chr03	NC_021162.1	1452269	CC	AA	AA	INTERGENIC		
SNP_10194B_1454878	Ca_Kabuli_Chr03	NC_021162.1	1454878	AA	GG	GG	INTERGENIC		
SNP_10195B_1458366	Ca_Kabuli_Chr03	NC_021162.1	1458366	GG	AA	AA	INTERGENIC		
SNP_10196B_1464172	Ca_Kabuli_Chr03	NC_021162.1	1464172	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_10197B_1468205	Ca_Kabuli_Chr03	NC_021162.1	1468205	GG	CC	CC	INTERGENIC		
SNP_10198B_1476372	Ca_Kabuli_Chr03	NC_021162.1	1476372	AA	GG	GG	INTERGENIC		
SNP_10199B_1477916	Ca_Kabuli_Chr03	NC_021162.1	1477916	AA	TT	TT	INTERGENIC		
SNP_10201B_1532706	Ca_Kabuli_Chr03	NC_021162.1	1532706	TT	CC	CC	INTERGENIC		
SNP_10202B_1532734	Ca_Kabuli_Chr03	NC_021162.1	1532734	TT	AA	AA	INTERGENIC		
SNP_10203B_1532808	Ca_Kabuli_Chr03	NC_021162.1	1532808	AA	CC	CC	INTERGENIC		
SNP_10204B_1532809	Ca_Kabuli_Chr03	NC_021162.1	1532809	GG	AA	AA	INTERGENIC		
SNP_10205B_1532866	Ca_Kabuli_Chr03	NC_021162.1	1532866	AA	CC	CC	INTERGENIC		
SNP_10206B_1533039	Ca_Kabuli_Chr03	NC_021162.1	1533039	AA	GG	GG	INTERGENIC		
SNP_10207B_1533063	Ca_Kabuli_Chr03	NC_021162.1	1533063	TT	GG	GG	INTERGENIC		
SNP_10208B_1533090	Ca_Kabuli_Chr03	NC_021162.1	1533090	CC	TT	TT	INTERGENIC		
SNP_10209B_1533220	Ca_Kabuli_Chr03	NC_021162.1	1533220	CC	TT	TT	INTERGENIC		
SNP_10210B_1533228	Ca_Kabuli_Chr03	NC_021162.1	1533228	AA	CC	CC	INTERGENIC		
SNP_10211B_1533230	Ca_Kabuli_Chr03	NC_021162.1	1533230	TT	AA	AA	INTERGENIC		
SNP_10212B_1533266	Ca_Kabuli_Chr03	NC_021162.1	1533266	GG	CC	CC	INTERGENIC		
SNP_10213B_1533319	Ca_Kabuli_Chr03	NC_021162.1	1533319	AA	GG	GG	INTERGENIC		
SNP_10214B_1533341	Ca_Kabuli_Chr03	NC_021162.1	1533341	CC	TT	TT	INTERGENIC		
SNP_10216B_1533410	Ca_Kabuli_Chr03	NC_021162.1	1533410	GG	AA	AA	INTERGENIC		
SNP_10217B_1533560	Ca_Kabuli_Chr03	NC_021162.1	1533560	TT	CC	CC	INTERGENIC		
SNP_10218B_1533706	Ca_Kabuli_Chr03	NC_021162.1	1533706	CC	GG	GG	INTERGENIC		
SNP_10219B_1533711	Ca_Kabuli_Chr03	NC_021162.1	1533711	TT	CC	CC	INTERGENIC		
SNP_10220B_1533885	Ca_Kabuli_Chr03	NC_021162.1	1533885	TT	CC	CC	INTERGENIC		
SNP_10222B_1534371	Ca_Kabuli_Chr03	NC_021162.1	1534371	TT	AA	AA	INTERGENIC		
SNP_10223B_1534419	Ca_Kabuli_Chr03	NC_021162.1	1534419	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_10224B_1534459	Ca_Kabuli_Chr03	NC_021162.1	1534459	TT	AA	AA	INTERGENIC		
SNP_10225B_1534509	Ca_Kabuli_Chr03	NC_021162.1	1534509	GG	AA	AA	INTERGENIC		
SNP_10226B_1534631	Ca_Kabuli_Chr03	NC_021162.1	1534631	AA	CC	CC	INTERGENIC		
SNP_10227B_1534651	Ca_Kabuli_Chr03	NC_021162.1	1534651	CC	TT	TT	INTERGENIC		
SNP_10228B_1534678	Ca_Kabuli_Chr03	NC_021162.1	1534678	AA	GG	GG	INTERGENIC		
SNP_10229B_1534763	Ca_Kabuli_Chr03	NC_021162.1	1534763	CC	TT	TT	INTERGENIC		
SNP_10230B_1534806	Ca_Kabuli_Chr03	NC_021162.1	1534806	GG	AA	AA	INTERGENIC		
SNP_10231B_1708576	Ca_Kabuli_Chr03	NC_021162.1	1708576	AA	TT	TT	INTERGENIC		
SNP_10232B_1796233	Ca_Kabuli_Chr03	NC_021162.1	1796233	CC	TT	TT	INTERGENIC		
SNP_10233B_1796238	Ca_Kabuli_Chr03	NC_021162.1	1796238	TT	CC	CC	INTERGENIC		
SNP_10234B_1796242	Ca_Kabuli_Chr03	NC_021162.1	1796242	CC	TT	TT	INTERGENIC		
SNP_10235B_1796251	Ca_Kabuli_Chr03	NC_021162.1	1796251	AA	GG	GG	INTERGENIC		
SNP_10236B_1796272	Ca_Kabuli_Chr03	NC_021162.1	1796272	CC	TT	TT	INTERGENIC		
SNP_10237B_1796370	Ca_Kabuli_Chr03	NC_021162.1	1796370	AA	CC	CC	INTERGENIC		
SNP_10238B_1796373	Ca_Kabuli_Chr03	NC_021162.1	1796373	GG	AA	AA	INTERGENIC		
SNP_10239B_1796380	Ca_Kabuli_Chr03	NC_021162.1	1796380	CC	TT	TT	INTERGENIC		
SNP_10240B_1796425	Ca_Kabuli_Chr03	NC_021162.1	1796425	CC	TT	TT	INTERGENIC		
SNP_10241B_1828968	Ca_Kabuli_Chr03	NC_021162.1	1828968	AA	GG	GG	INTERGENIC		
SNP_10244B_2194670	Ca_Kabuli_Chr03	NC_021162.1	2194670	TT	CC	CC	INTERGENIC		
SNP_10245B_2194715	Ca_Kabuli_Chr03	NC_021162.1	2194715	TT	AA	AA	INTERGENIC		
SNP_10246B_2194716	Ca_Kabuli_Chr03	NC_021162.1	2194716	TT	GG	GG	INTERGENIC		
SNP_10247B_2194738	Ca_Kabuli_Chr03	NC_021162.1	2194738	TT	CC	CC	INTERGENIC		
SNP_10248B_2194962	Ca_Kabuli_Chr03	NC_021162.1	2194962	AA	CC	CC	INTERGENIC		
SNP_10249B_2210514	Ca_Kabuli_Chr03	NC_021162.1	2210514	TT	GG	GG	URR	101513993	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_10250B_2382590	Ca_Kabuli_Chr03	NC_021162.1	2382590	AA	CC	CC	INTERGENIC		
SNP_10251B_2382636	Ca_Kabuli_Chr03	NC_021162.1	2382636	TT	AA	AA	INTERGENIC		
SNP_10252B_2382659	Ca_Kabuli_Chr03	NC_021162.1	2382659	TT	AA	AA	INTERGENIC		
SNP_10253B_2496315	Ca_Kabuli_Chr03	NC_021162.1	2496315	TT	AA	AA	INTERGENIC		
SNP_10254B_2496354	Ca_Kabuli_Chr03	NC_021162.1	2496354	GG	AA	AA	INTERGENIC		
SNP_10255B_2496563	Ca_Kabuli_Chr03	NC_021162.1	2496563	GG	CC	CC	INTERGENIC		
SNP_10256B_2522535	Ca_Kabuli_Chr03	NC_021162.1	2522535	CC	GG	GG	INTERGENIC		
SNP_10257B_2529197	Ca_Kabuli_Chr03	NC_021162.1	2529197	GG	CC	CC	INTERGENIC		
SNP_10258B_2571166	Ca_Kabuli_Chr03	NC_021162.1	2571166	AA	TT	TT	INTERGENIC		
SNP_10259B_2571335	Ca_Kabuli_Chr03	NC_021162.1	2571335	AA	GG	GG	INTERGENIC		
SNP_10260B_2571517	Ca_Kabuli_Chr03	NC_021162.1	2571517	AA	CC	CC	INTERGENIC		
SNP_10261B_2571572	Ca_Kabuli_Chr03	NC_021162.1	2571572	CC	TT	GG	INTERGENIC		
SNP_10262B_2573682	Ca_Kabuli_Chr03	NC_021162.1	2573682	TT	AA	AA	INTERGENIC		
SNP_10263B_2573694	Ca_Kabuli_Chr03	NC_021162.1	2573694	AA	CC	CC	INTERGENIC		
SNP_10264B_2573707	Ca_Kabuli_Chr03	NC_021162.1	2573707	GG	AA	AA	INTERGENIC		
SNP_10265B_2573753	Ca_Kabuli_Chr03	NC_021162.1	2573753	CC	GG	GG	INTERGENIC		
SNP_10266B_2573763	Ca_Kabuli_Chr03	NC_021162.1	2573763	TT	GG	GG	INTERGENIC		
SNP_10267B_2631149	Ca_Kabuli_Chr03	NC_021162.1	2631149	TT	CC	CC	INTERGENIC		
SNP_10268B_2631150	Ca_Kabuli_Chr03	NC_021162.1	2631150	AA	GG	GG	INTERGENIC		
SNP_10269B_2631164	Ca_Kabuli_Chr03	NC_021162.1	2631164	GG	AA	AA	INTERGENIC		
SNP_10270B_2631188	Ca_Kabuli_Chr03	NC_021162.1	2631188	GG	AA	AA	INTERGENIC		
SNP_10271B_2631205	Ca_Kabuli_Chr03	NC_021162.1	2631205	AA	GG	GG	INTERGENIC		
SNP_10272B_2631222	Ca_Kabuli_Chr03	NC_021162.1	2631222	GG	AA	AA	INTERGENIC		
SNP_10273B_2631250	Ca_Kabuli_Chr03	NC_021162.1	2631250	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_10274B_2631466	Ca_Kabuli_Chr03	NC_021162.1	2631466	TT	CC	CC	INTERGENIC		
SNP_10275B_2631553	Ca_Kabuli_Chr03	NC_021162.1	2631553	GG	AA	AA	INTERGENIC		
SNP_10276B_2631569	Ca_Kabuli_Chr03	NC_021162.1	2631569	AA	GG	GG	INTERGENIC		
SNP_10277B_2631589	Ca_Kabuli_Chr03	NC_021162.1	2631589	GG	AA	AA	INTERGENIC		
SNP_10278B_2631593	Ca_Kabuli_Chr03	NC_021162.1	2631593	TT	CC	CC	INTERGENIC		
SNP_10279B_2686345	Ca_Kabuli_Chr03	NC_021162.1	2686345	GG	AA	AA	INTERGENIC		
SNP_10280B_2717674	Ca_Kabuli_Chr03	NC_021162.1	2717674	GG	AA	AA	INTERGENIC		
SNP_10281B_2717687	Ca_Kabuli_Chr03	NC_021162.1	2717687	AA	GG	GG	INTERGENIC		
SNP_10282B_2762293	Ca_Kabuli_Chr03	NC_021162.1	2762293	TT	AA	AA	INTERGENIC		
SNP_10283B_2767612	Ca_Kabuli_Chr03	NC_021162.1	2767612	TT	CC	CC	INTERGENIC		
SNP_10284B_2777291	Ca_Kabuli_Chr03	NC_021162.1	2777291	TT	CC	CC	INTERGENIC		
SNP_10285B_2814666	Ca_Kabuli_Chr03	NC_021162.1	2814666	TT	GG	GG	DRR	101496608	Unknown function
SNP_10286B_2854997	Ca_Kabuli_Chr03	NC_021162.1	2854997	AA	GG	GG	INTERGENIC		
SNP_10287B_2855217	Ca_Kabuli_Chr03	NC_021162.1	2855217	GG	AA	AA	INTERGENIC		
SNP_10288B_2855225	Ca_Kabuli_Chr03	NC_021162.1	2855225	CC	TT	TT	INTERGENIC		
SNP_10289B_2855246	Ca_Kabuli_Chr03	NC_021162.1	2855246	GG	CC	CC	INTERGENIC		
SNP_10290B_2855268	Ca_Kabuli_Chr03	NC_021162.1	2855268	CC	TT	TT	INTERGENIC		
SNP_10291B_2855322	Ca_Kabuli_Chr03	NC_021162.1	2855322	TT	CC	CC	INTERGENIC		
SNP_10292B_2855344	Ca_Kabuli_Chr03	NC_021162.1	2855344	AA	GG	GG	INTERGENIC		
SNP_10293B_2855360	Ca_Kabuli_Chr03	NC_021162.1	2855360	CC	TT	TT	INTERGENIC		
SNP_10294B_2855379	Ca_Kabuli_Chr03	NC_021162.1	2855379	TT	GG	GG	INTERGENIC		
SNP_10295B_2855383	Ca_Kabuli_Chr03	NC_021162.1	2855383	AA	TT	TT	INTERGENIC		
SNP_10296B_2855408	Ca_Kabuli_Chr03	NC_021162.1	2855408	AA	GG	GG	INTERGENIC		
SNP_10297B_2855431	Ca_Kabuli_Chr03	NC_021162.1	2855431	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_10298B_2855441	Ca_Kabuli_Chr03	NC_021162.1	2855441	AA	GG	GG	INTERGENIC		
SNP_10299B_2855486	Ca_Kabuli_Chr03	NC_021162.1	2855486	TT	GG	GG	INTERGENIC		
SNP_10300B_2855488	Ca_Kabuli_Chr03	NC_021162.1	2855488	AA	GG	GG	INTERGENIC		
SNP_10301B_2855512	Ca_Kabuli_Chr03	NC_021162.1	2855512	AA	TT	TT	INTERGENIC		
SNP_10302B_2855532	Ca_Kabuli_Chr03	NC_021162.1	2855532	AA	GG	GG	INTERGENIC		
SNP_10303B_2855540	Ca_Kabuli_Chr03	NC_021162.1	2855540	AA	TT	TT	INTERGENIC		
SNP_10304B_2855550	Ca_Kabuli_Chr03	NC_021162.1	2855550	TT	CC	CC	INTERGENIC		
SNP_10305B_2855608	Ca_Kabuli_Chr03	NC_021162.1	2855608	CC	TT	TT	INTERGENIC		
SNP_10306B_2855611	Ca_Kabuli_Chr03	NC_021162.1	2855611	CC	TT	TT	INTERGENIC		
SNP_10307B_2855612	Ca_Kabuli_Chr03	NC_021162.1	2855612	CC	AA	AA	INTERGENIC		
SNP_10308B_2855676	Ca_Kabuli_Chr03	NC_021162.1	2855676	GG	TT	TT	INTERGENIC		
SNP_10309B_2855741	Ca_Kabuli_Chr03	NC_021162.1	2855741	CC	GG	GG	INTERGENIC		
SNP_10310B_2855776	Ca_Kabuli_Chr03	NC_021162.1	2855776	AA	GG	GG	INTERGENIC		
SNP_10311B_2855803	Ca_Kabuli_Chr03	NC_021162.1	2855803	AA	CC	CC	INTERGENIC		
SNP_10312B_2855812	Ca_Kabuli_Chr03	NC_021162.1	2855812	TT	CC	CC	INTERGENIC		
SNP_10313B_2855848	Ca_Kabuli_Chr03	NC_021162.1	2855848	CC	AA	AA	INTERGENIC		
SNP_10314B_2855858	Ca_Kabuli_Chr03	NC_021162.1	2855858	GG	TT	TT	INTERGENIC		
SNP_10315B_2855949	Ca_Kabuli_Chr03	NC_021162.1	2855949	GG	AA	AA	INTERGENIC		
SNP_10316B_2855965	Ca_Kabuli_Chr03	NC_021162.1	2855965	CC	GG	GG	INTERGENIC		
SNP_10318B_2856020	Ca_Kabuli_Chr03	NC_021162.1	2856020	CC	GG	GG	INTERGENIC		
SNP_10319B_2856038	Ca_Kabuli_Chr03	NC_021162.1	2856038	TT	CC	CC	INTERGENIC		
SNP_10320B_2856050	Ca_Kabuli_Chr03	NC_021162.1	2856050	AA	GG	GG	INTERGENIC		
SNP_10321B_2856064	Ca_Kabuli_Chr03	NC_021162.1	2856064	GG	TT	TT	INTERGENIC		
SNP_10322B_2856181	Ca_Kabuli_Chr03	NC_021162.1	2856181	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_10323B_2856311	Ca_Kabuli_Chr03	NC_021162.1	2856311	CC	GG	GG	INTERGENIC		
SNP_10324B_2856321	Ca_Kabuli_Chr03	NC_021162.1	2856321	AA	CC	CC	INTERGENIC		
SNP_10325B_2856361	Ca_Kabuli_Chr03	NC_021162.1	2856361	CC	TT	TT	INTERGENIC		
SNP_10326B_2856380	Ca_Kabuli_Chr03	NC_021162.1	2856380	AA	GG	GG	INTERGENIC		
SNP_10327B_2856390	Ca_Kabuli_Chr03	NC_021162.1	2856390	TT	CC	CC	INTERGENIC		
SNP_10328B_2856406	Ca_Kabuli_Chr03	NC_021162.1	2856406	GG	AA	AA	INTERGENIC		
SNP_10329B_2856436	Ca_Kabuli_Chr03	NC_021162.1	2856436	AA	CC	CC	INTERGENIC		
SNP_10330B_2856468	Ca_Kabuli_Chr03	NC_021162.1	2856468	AA	GG	GG	INTERGENIC		
SNP_10331B_2856497	Ca_Kabuli_Chr03	NC_021162.1	2856497	GG	TT	TT	INTERGENIC		
SNP_10332B_2856521	Ca_Kabuli_Chr03	NC_021162.1	2856521	TT	AA	AA	INTERGENIC		
SNP_10333B_2856523	Ca_Kabuli_Chr03	NC_021162.1	2856523	CC	TT	TT	INTERGENIC		
SNP_10334B_2856696	Ca_Kabuli_Chr03	NC_021162.1	2856696	TT	GG	GG	INTERGENIC		
SNP_10335B_2858426	Ca_Kabuli_Chr03	NC_021162.1	2858426	GG	AA	AA	INTERGENIC		
SNP_10336B_2858428	Ca_Kabuli_Chr03	NC_021162.1	2858428	AA	GG	GG	INTERGENIC		
SNP_10337B_2858551	Ca_Kabuli_Chr03	NC_021162.1	2858551	CC	TT	TT	INTERGENIC		
SNP_10338B_2858718	Ca_Kabuli_Chr03	NC_021162.1	2858718	GG	TT	TT	DRR	101490236	pentatricopeptide repeat-containing protein At5g15980, mitochondrial-like
SNP_10339B_2858726	Ca_Kabuli_Chr03	NC_021162.1	2858726	CC	TT	TT	DRR	101490236	pentatricopeptide repeat-containing protein At5g15980, mitochondrial-like
SNP_10340B_2954902	Ca_Kabuli_Chr03	NC_021162.1	2954902	TT	CC	CC	INTERGENIC		
SNP_10341B_2962475	Ca_Kabuli_Chr03	NC_021162.1	2962475	GG	AA	AA	INTERGENIC		
SNP_10342B_3063834	Ca_Kabuli_Chr03	NC_021162.1	3063834	TT	CC	CC	INTERGENIC		
SNP_10343B_3125507	Ca_Kabuli_Chr03	NC_021162.1	3125507	TT	CC	CC	INTERGENIC		
SNP_10344B_3129049	Ca_Kabuli_Chr03	NC_021162.1	3129049	TT	GG	GG	INTERGENIC		
SNP_10345B_3129547	Ca_Kabuli_Chr03	NC_021162.1	3129547	CC	TT	TT	INTERGENIC		
SNP_10346B_3150006	Ca_Kabuli_Chr03	NC_021162.1	3150006	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_10347B_3170206	Ca_Kabuli_Chr03	NC_021162.1	3170206	AA	GG	GG	INTERGENIC		
SNP_10348B_3170936	Ca_Kabuli_Chr03	NC_021162.1	3170936	GG	AA	AA	INTERGENIC		
SNP_10349B_3183613	Ca_Kabuli_Chr03	NC_021162.1	3183613	GG	AA	AA	INTERGENIC		
SNP_10351B_3234990	Ca_Kabuli_Chr03	NC_021162.1	3234990	TT	CC	CC	DRR	101500496	ATPase family AAA domain-containing protein 2-like
SNP_10352B_3235163	Ca_Kabuli_Chr03	NC_021162.1	3235163	GG	CC	CC	DRR	101500496	ATPase family AAA domain-containing protein 2-like
SNP_10354B_3235371	Ca_Kabuli_Chr03	NC_021162.1	3235371	TT	CC	CC	DRR	101500496	ATPase family AAA domain-containing protein 2-like
SNP_10355B_3235442	Ca_Kabuli_Chr03	NC_021162.1	3235442	AA	GG	GG	DRR	101500496	ATPase family AAA domain-containing protein 2-like
SNP_10357B_3235487	Ca_Kabuli_Chr03	NC_021162.1	3235487	TT	GG	GG	DRR	101500496	ATPase family AAA domain-containing protein 2-like
SNP_10358B_3235491	Ca_Kabuli_Chr03	NC_021162.1	3235491	CC	TT	TT	DRR	101500496	ATPase family AAA domain-containing protein 2-like
SNP_10359B_3235536	Ca_Kabuli_Chr03	NC_021162.1	3235536	AA	GG	GG	DRR	101500496	ATPase family AAA domain-containing protein 2-like
SNP_10360B_3235751	Ca_Kabuli_Chr03	NC_021162.1	3235751	TT	CC	CC	DRR	101500496	ATPase family AAA domain-containing protein 2-like
SNP_10361B_3235789	Ca_Kabuli_Chr03	NC_021162.1	3235789	CC	AA	AA	DRR	101500496	ATPase family AAA domain-containing protein 2-like
SNP_10362B_3235799	Ca_Kabuli_Chr03	NC_021162.1	3235799	CC	AA	AA	DRR	101500496	ATPase family AAA domain-containing protein 2-like
SNP_10363B_3235814	Ca_Kabuli_Chr03	NC_021162.1	3235814	GG	CC	CC	DRR	101500496	ATPase family AAA domain-containing protein 2-like
SNP_10364B_3235887	Ca_Kabuli_Chr03	NC_021162.1	3235887	GG	TT	TT	NON_SYNONYMOUS_CODING	101500496	ATPase family AAA domain-containing protein 2-like
SNP_10365B_3289590	Ca_Kabuli_Chr03	NC_021162.1	3289590	TT	GG	GG	INTERGENIC		
SNP_10366B_3289860	Ca_Kabuli_Chr03	NC_021162.1	3289860	AA	GG	GG	INTERGENIC		
SNP_10367B_3289890	Ca_Kabuli_Chr03	NC_021162.1	3289890	TT	CC	CC	INTERGENIC		
SNP_10368B_3289913	Ca_Kabuli_Chr03	NC_021162.1	3289913	AA	TT	TT	INTERGENIC		
SNP_10369B_3289952	Ca_Kabuli_Chr03	NC_021162.1	3289952	TT	CC	CC	INTERGENIC		
SNP_10370B_3291424	Ca_Kabuli_Chr03	NC_021162.1	3291424	GG	AA	AA	INTERGENIC		
SNP_10371B_3291641	Ca_Kabuli_Chr03	NC_021162.1	3291641	AA	GG	GG	INTERGENIC		
SNP_10372B_3291656	Ca_Kabuli_Chr03	NC_021162.1	3291656	GG	TT	TT	INTERGENIC		
SNP_10373B_3291688	Ca_Kabuli_Chr03	NC_021162.1	3291688	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_10374B_3291697	Ca_Kabuli_Chr03	NC_021162.1	3291697	AA	GG	GG	INTERGENIC		
SNP_10375B_3291742	Ca_Kabuli_Chr03	NC_021162.1	3291742	GG	AA	AA	INTERGENIC		
SNP_10376B_3291746	Ca_Kabuli_Chr03	NC_021162.1	3291746	CC	TT	TT	INTERGENIC		
SNP_10378B_3306450	Ca_Kabuli_Chr03	NC_021162.1	3306450	AA	GG	GG	INTERGENIC		
SNP_10379B_3306541	Ca_Kabuli_Chr03	NC_021162.1	3306541	TT	CC	CC	INTERGENIC		
SNP_10380B_3306567	Ca_Kabuli_Chr03	NC_021162.1	3306567	AA	GG	GG	INTERGENIC		
SNP_10381B_3339551	Ca_Kabuli_Chr03	NC_021162.1	3339551	GG	AA	AA	INTERGENIC		
SNP_10382B_3372078	Ca_Kabuli_Chr03	NC_021162.1	3372078	AA	GG	GG	URR	101498903	uncharacterized LOC101498903
SNP_10383B_3392065	Ca_Kabuli_Chr03	NC_021162.1	3392065	AA	TT	TT	INTERGENIC		
SNP_10384B_3449815	Ca_Kabuli_Chr03	NC_021162.1	3449815	AA	TT	TT	INTERGENIC		
SNP_10385B_3498053	Ca_Kabuli_Chr03	NC_021162.1	3498053	CC	GG	GG	INTERGENIC		
SNP_10386B_3503317	Ca_Kabuli_Chr03	NC_021162.1	3503317	GG	CC	CC	DRR	101501768	60S acidic ribosomal protein P1-3-like
SNP_10387B_3503322	Ca_Kabuli_Chr03	NC_021162.1	3503322	GG	AA	AA	DRR	101501768	60S acidic ribosomal protein P1-3-like
SNP_10388B_3503630	Ca_Kabuli_Chr03	NC_021162.1	3503630	TT	CC	CC	DRR	101501768	60S acidic ribosomal protein P1-3-like
SNP_10389B_3503812	Ca_Kabuli_Chr03	NC_021162.1	3503812	AA	TT	TT	DRR	101501768	60S acidic ribosomal protein P1-3-like
SNP_10390B_3517501	Ca_Kabuli_Chr03	NC_021162.1	3517501	GG	AA	AA	INTERGENIC		
SNP_10391B_3517583	Ca_Kabuli_Chr03	NC_021162.1	3517583	CC	TT	TT	INTERGENIC		
SNP_10392B_3517966	Ca_Kabuli_Chr03	NC_021162.1	3517966	GG	TT	TT	INTERGENIC		
SNP_10394B_3531996	Ca_Kabuli_Chr03	NC_021162.1	3531996	AA	TT	TT	INTERGENIC		
SNP_10395B_3535079	Ca_Kabuli_Chr03	NC_021162.1	3535079	CC	TT	TT	DRR	101508938	60S acidic ribosomal protein P1-3-like
SNP_10396B_3537147	Ca_Kabuli_Chr03	NC_021162.1	3537147	GG	CC	CC	INTERGENIC		
SNP_10397B_3537176	Ca_Kabuli_Chr03	NC_021162.1	3537176	AA	GG	GG	INTERGENIC		
SNP_10398B_3542315	Ca_Kabuli_Chr03	NC_021162.1	3542315	TT	GG	GG	INTRON	101508938	60S acidic ribosomal protein P1-3-like
SNP_10399B_3549849	Ca_Kabuli_Chr03	NC_021162.1	3549849	AA	GG	GG	INTRON	101508938	60S acidic ribosomal protein P1-3-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_10400B_3579643	Ca_Kabuli_Chr03	NC_021162.1	3579643	GG	AA	AA	INTERGENIC		
SNP_10401B_3580599	Ca_Kabuli_Chr03	NC_021162.1	3580599	GG	AA	AA	INTERGENIC		
SNP_10402B_3580684	Ca_Kabuli_Chr03	NC_021162.1	3580684	TT	CC	CC	INTERGENIC		
SNP_10403B_3731127	Ca_Kabuli_Chr03	NC_021162.1	3731127	AA	CC	CC	INTERGENIC		
SNP_10404B_3731403	Ca_Kabuli_Chr03	NC_021162.1	3731403	GG	AA	AA	INTERGENIC		
SNP_10405B_3731404	Ca_Kabuli_Chr03	NC_021162.1	3731404	AA	CC	CC	INTERGENIC		
SNP_10406B_3731452	Ca_Kabuli_Chr03	NC_021162.1	3731452	AA	GG	GG	INTERGENIC		
SNP_10407B_3731466	Ca_Kabuli_Chr03	NC_021162.1	3731466	TT	AA	AA	INTERGENIC		
SNP_10408B_3731482	Ca_Kabuli_Chr03	NC_021162.1	3731482	CC	GG	GG	INTERGENIC		
SNP_10409B_3734857	Ca_Kabuli_Chr03	NC_021162.1	3734857	TT	CC	CC	INTERGENIC		
SNP_10410B_3734973	Ca_Kabuli_Chr03	NC_021162.1	3734973	AA	CC	CC	INTERGENIC		
SNP_10411B_3788990	Ca_Kabuli_Chr03	NC_021162.1	3788990	AA	TT	TT	INTERGENIC		
SNP_10412B_3788991	Ca_Kabuli_Chr03	NC_021162.1	3788991	GG	AA	AA	INTERGENIC		
SNP_10413B_3789150	Ca_Kabuli_Chr03	NC_021162.1	3789150	CC	TT	TT	INTERGENIC		
SNP_10414B_3789174	Ca_Kabuli_Chr03	NC_021162.1	3789174	TT	CC	CC	INTERGENIC		
SNP_10415B_3804516	Ca_Kabuli_Chr03	NC_021162.1	3804516	CC	TT	TT	INTERGENIC		
SNP_10416B_3804555	Ca_Kabuli_Chr03	NC_021162.1	3804555	AA	GG	GG	INTERGENIC		
SNP_10418B_3818085	Ca_Kabuli_Chr03	NC_021162.1	3818085	AA	GG	GG	INTERGENIC		
SNP_10419B_3841610	Ca_Kabuli_Chr03	NC_021162.1	3841610	CC	TT	TT	INTERGENIC		
SNP_10420B_3857043	Ca_Kabuli_Chr03	NC_021162.1	3857043	GG	CC	CC	INTRON	101505954	aquaporin NIP2-1-like
SNP_10421B_3866345	Ca_Kabuli_Chr03	NC_021162.1	3866345	CC	AA	AA	INTERGENIC		
SNP_10423B_3924273	Ca_Kabuli_Chr03	NC_021162.1	3924273	GG	AA	AA	INTERGENIC		
SNP_10424B_3962903	Ca_Kabuli_Chr03	NC_021162.1	3962903	TT	CC	CC	INTERGENIC		
SNP_10425B_3963192	Ca_Kabuli_Chr03	NC_021162.1	3963192	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_10426B_3963202	Ca_Kabuli_Chr03	NC_021162.1	3963202	AA	GG	GG	INTERGENIC		
SNP_10427B_3963208	Ca_Kabuli_Chr03	NC_021162.1	3963208	AA	TT	TT	INTERGENIC		
SNP_10428B_3963213	Ca_Kabuli_Chr03	NC_021162.1	3963213	GG	AA	AA	INTERGENIC		
SNP_10429B_3963246	Ca_Kabuli_Chr03	NC_021162.1	3963246	CC	TT	TT	INTERGENIC		
SNP_10431B_3966350	Ca_Kabuli_Chr03	NC_021162.1	3966350	AA	TT	TT	INTERGENIC		
SNP_10432B_3966358	Ca_Kabuli_Chr03	NC_021162.1	3966358	AA	GG	GG	INTERGENIC		
SNP_10433B_3966374	Ca_Kabuli_Chr03	NC_021162.1	3966374	GG	AA	AA	INTERGENIC		
SNP_10434B_4017297	Ca_Kabuli_Chr03	NC_021162.1	4017297	TT	AA	AA	INTERGENIC		
SNP_10436B_4017698	Ca_Kabuli_Chr03	NC_021162.1	4017698	TT	CC	CC	INTERGENIC		
SNP_10437B_4017759	Ca_Kabuli_Chr03	NC_021162.1	4017759	TT	CC	CC	INTERGENIC		
SNP_10438B_4035964	Ca_Kabuli_Chr03	NC_021162.1	4035964	AA	GG	GG	INTERGENIC		
SNP_10439B_4035966	Ca_Kabuli_Chr03	NC_021162.1	4035966	TT	GG	GG	INTERGENIC		
SNP_10440B_4036026	Ca_Kabuli_Chr03	NC_021162.1	4036026	AA	GG	GG	INTERGENIC		
SNP_10441B_4036360	Ca_Kabuli_Chr03	NC_021162.1	4036360	GG	AA	AA	INTERGENIC		
SNP_10442B_4052120	Ca_Kabuli_Chr03	NC_021162.1	4052120	TT	GG	GG	INTERGENIC		
SNP_10443B_4052124	Ca_Kabuli_Chr03	NC_021162.1	4052124	CC	TT	TT	INTERGENIC		
SNP_10444B_4056452	Ca_Kabuli_Chr03	NC_021162.1	4056452	CC	AA	AA	INTERGENIC		
SNP_10445B_4056533	Ca_Kabuli_Chr03	NC_021162.1	4056533	AA	GG	GG	INTERGENIC		
SNP_10446B_4073322	Ca_Kabuli_Chr03	NC_021162.1	4073322	TT	GG	GG	INTERGENIC		
SNP_10447B_4073324	Ca_Kabuli_Chr03	NC_021162.1	4073324	GG	AA	AA	INTERGENIC		
SNP_10449B_4076513	Ca_Kabuli_Chr03	NC_021162.1	4076513	TT	AA	AA	INTERGENIC		
SNP_10450B_4076534	Ca_Kabuli_Chr03	NC_021162.1	4076534	AA	TT	TT	INTERGENIC		
SNP_10451B_4076541	Ca_Kabuli_Chr03	NC_021162.1	4076541	AA	TT	TT	INTERGENIC		
SNP_10452B_4098871	Ca_Kabuli_Chr03	NC_021162.1	4098871	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_10453B_4098876	Ca_Kabuli_Chr03	NC_021162.1	4098876	GG	AA	AA	INTERGENIC		
SNP_10454B_4098910	Ca_Kabuli_Chr03	NC_021162.1	4098910	TT	AA	AA	INTERGENIC		
SNP_10455B_4112891	Ca_Kabuli_Chr03	NC_021162.1	4112891	AA	GG	GG	INTERGENIC		
SNP_10459B_4189784	Ca_Kabuli_Chr03	NC_021162.1	4189784	AA	GG	GG	INTERGENIC		
SNP_10460B_4189805	Ca_Kabuli_Chr03	NC_021162.1	4189805	TT	GG	GG	INTERGENIC		
SNP_10461B_4231808	Ca_Kabuli_Chr03	NC_021162.1	4231808	AA	GG	GG	INTERGENIC		
SNP_10462B_4270915	Ca_Kabuli_Chr03	NC_021162.1	4270915	GG	AA	AA	INTERGENIC		
SNP_10463B_4307807	Ca_Kabuli_Chr03	NC_021162.1	4307807	CC	GG	GG	INTERGENIC		
SNP_10464B_4307880	Ca_Kabuli_Chr03	NC_021162.1	4307880	TT	CC	AA	INTERGENIC		
SNP_10465B_4316016	Ca_Kabuli_Chr03	NC_021162.1	4316016	GG	AA	AA	URR	101490556	cytochrome P450 83B1-like
SNP_10466B_4385381	Ca_Kabuli_Chr03	NC_021162.1	4385381	CC	TT	TT	INTERGENIC		
SNP_10467B_4517531	Ca_Kabuli_Chr03	NC_021162.1	4517531	CC	TT	TT	INTERGENIC		
SNP_10468B_4536671	Ca_Kabuli_Chr03	NC_021162.1	4536671	CC	TT	TT	INTERGENIC		
SNP_10469B_4562892	Ca_Kabuli_Chr03	NC_021162.1	4562892	AA	GG	GG	INTERGENIC		
SNP_10470B_4619343	Ca_Kabuli_Chr03	NC_021162.1	4619343	CC	TT	TT	INTERGENIC		
SNP_10471B_4619695	Ca_Kabuli_Chr03	NC_021162.1	4619695	TT	CC	CC	INTERGENIC		
SNP_10472B_4671246	Ca_Kabuli_Chr03	NC_021162.1	4671246	TT	CC	CC	INTERGENIC		
SNP_10473B_4688258	Ca_Kabuli_Chr03	NC_021162.1	4688258	AA	GG	GG	INTERGENIC		
SNP_10474B_4688269	Ca_Kabuli_Chr03	NC_021162.1	4688269	CC	TT	TT	INTERGENIC		
SNP_10475B_4688383	Ca_Kabuli_Chr03	NC_021162.1	4688383	TT	CC	CC	INTERGENIC		
SNP_10476B_4688500	Ca_Kabuli_Chr03	NC_021162.1	4688500	GG	AA	AA	INTERGENIC		
SNP_10477B_4688552	Ca_Kabuli_Chr03	NC_021162.1	4688552	CC	AA	AA	INTERGENIC		
SNP_10478B_4688556	Ca_Kabuli_Chr03	NC_021162.1	4688556	AA	GG	GG	INTERGENIC		
SNP_10479B_4688709	Ca_Kabuli_Chr03	NC_021162.1	4688709	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_10480B_4688799	Ca_Kabuli_Chr03	NC_021162.1	4688799	AA	TT	TT	INTERGENIC		
SNP_10481B_4688867	Ca_Kabuli_Chr03	NC_021162.1	4688867	TT	AA	AA	INTERGENIC		
SNP_10482B_4688868	Ca_Kabuli_Chr03	NC_021162.1	4688868	TT	AA	AA	INTERGENIC		
SNP_10483B_4688885	Ca_Kabuli_Chr03	NC_021162.1	4688885	AA	GG	GG	INTERGENIC		
SNP_10484B_4688901	Ca_Kabuli_Chr03	NC_021162.1	4688901	AA	CC	CC	INTERGENIC		
SNP_10485B_4689021	Ca_Kabuli_Chr03	NC_021162.1	4689021	CC	TT	TT	INTERGENIC		
SNP_10486B_4689029	Ca_Kabuli_Chr03	NC_021162.1	4689029	GG	AA	AA	INTERGENIC		
SNP_10487B_4689053	Ca_Kabuli_Chr03	NC_021162.1	4689053	GG	CC	CC	INTERGENIC		
SNP_10488B_4689098	Ca_Kabuli_Chr03	NC_021162.1	4689098	GG	AA	AA	INTERGENIC		
SNP_10490B_4720312	Ca_Kabuli_Chr03	NC_021162.1	4720312	GG	AA	AA	INTERGENIC		
SNP_10491B_4720317	Ca_Kabuli_Chr03	NC_021162.1	4720317	TT	GG	GG	INTERGENIC		
SNP_10492B_4720319	Ca_Kabuli_Chr03	NC_021162.1	4720319	AA	TT	CC	INTERGENIC		
SNP_10493B_4720392	Ca_Kabuli_Chr03	NC_021162.1	4720392	TT	CC	CC	INTERGENIC		
SNP_10494B_4720557	Ca_Kabuli_Chr03	NC_021162.1	4720557	CC	AA	AA	INTERGENIC		
SNP_10495B_4720572	Ca_Kabuli_Chr03	NC_021162.1	4720572	AA	GG	GG	INTERGENIC		
SNP_10496B_4783877	Ca_Kabuli_Chr03	NC_021162.1	4783877	CC	TT	TT	INTERGENIC		
SNP_10497B_4787227	Ca_Kabuli_Chr03	NC_021162.1	4787227	CC	TT	TT	INTERGENIC		
SNP_10498B_4787230	Ca_Kabuli_Chr03	NC_021162.1	4787230	AA	CC	CC	INTERGENIC		
SNP_10499B_4787283	Ca_Kabuli_Chr03	NC_021162.1	4787283	CC	TT	TT	INTERGENIC		
SNP_10500B_4845876	Ca_Kabuli_Chr03	NC_021162.1	4845876	GG	AA	AA	INTERGENIC		
SNP_10501B_4866726	Ca_Kabuli_Chr03	NC_021162.1	4866726	TT	CC	CC	URR	101410600	transfer RNA arginine (anticodon UCU)
SNP_10502B_4952174	Ca_Kabuli_Chr03	NC_021162.1	4952174	AA	CC	CC	INTERGENIC		
SNP_10503B_4954284	Ca_Kabuli_Chr03	NC_021162.1	4954284	CC	TT	TT	INTERGENIC		
SNP_10504B_4955387	Ca_Kabuli_Chr03	NC_021162.1	4955387	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_10505B_4955404	Ca_Kabuli_Chr03	NC_021162.1	4955404	CC	TT	TT	INTERGENIC		
SNP_10506B_4955684	Ca_Kabuli_Chr03	NC_021162.1	4955684	CC	TT	TT	INTERGENIC		
SNP_10507B_4962907	Ca_Kabuli_Chr03	NC_021162.1	4962907	AA	TT	TT	DRR	101502719	GDSL esterase/lipase At5g45910-like
SNP_10508B_4962915	Ca_Kabuli_Chr03	NC_021162.1	4962915	TT	GG	GG	DRR	101502719	GDSL esterase/lipase At5g45910-like
SNP_10509B_4962971	Ca_Kabuli_Chr03	NC_021162.1	4962971	AA	GG	GG	DRR	101502719	GDSL esterase/lipase At5g45910-like
SNP_10510B_4962973	Ca_Kabuli_Chr03	NC_021162.1	4962973	AA	GG	GG	DRR	101502719	GDSL esterase/lipase At5g45910-like
SNP_10511B_4963182	Ca_Kabuli_Chr03	NC_021162.1	4963182	CC	TT	TT	DRR	101502719	GDSL esterase/lipase At5g45910-like
SNP_10512B_4963276	Ca_Kabuli_Chr03	NC_021162.1	4963276	TT	GG	GG	DRR	101502719	GDSL esterase/lipase At5g45910-like
SNP_10513B_4964707	Ca_Kabuli_Chr03	NC_021162.1	4964707	TT	CC	CC	URR	101502719	GDSL esterase/lipase At5g45910-like
SNP_10514B_4965187	Ca_Kabuli_Chr03	NC_021162.1	4965187	AA	CC	CC	URR	101502719	GDSL esterase/lipase At5g45910-like
SNP_10515B_4965188	Ca_Kabuli_Chr03	NC_021162.1	4965188	CC	AA	AA	URR	101502719	GDSL esterase/lipase At5g45910-like
SNP_10517B_4965643	Ca_Kabuli_Chr03	NC_021162.1	4965643	AA	TT	TT	DRR	101499229	GDSL esterase/lipase At5g45910-like
SNP_10518B_4965646	Ca_Kabuli_Chr03	NC_021162.1	4965646	AA	TT	TT	DRR	101499229	GDSL esterase/lipase At5g45910-like
SNP_10520B_4965669	Ca_Kabuli_Chr03	NC_021162.1	4965669	AA	GG	GG	DRR	101499229	GDSL esterase/lipase At5g45910-like
SNP_10521B_4965678	Ca_Kabuli_Chr03	NC_021162.1	4965678	TT	AA	AA	DRR	101499229	GDSL esterase/lipase At5g45910-like
SNP_10522B_4965689	Ca_Kabuli_Chr03	NC_021162.1	4965689	TT	CC	CC	DRR	101499229	GDSL esterase/lipase At5g45910-like
SNP_10523B_4965750	Ca_Kabuli_Chr03	NC_021162.1	4965750	AA	GG	GG	DRR	101499229	GDSL esterase/lipase At5g45910-like
SNP_10524B_4965771	Ca_Kabuli_Chr03	NC_021162.1	4965771	CC	AA	AA	DRR	101499229	GDSL esterase/lipase At5g45910-like
SNP_10525B_4965813	Ca_Kabuli_Chr03	NC_021162.1	4965813	TT	AA	AA	DRR	101499229	GDSL esterase/lipase At5g45910-like
SNP_10526B_4965915	Ca_Kabuli_Chr03	NC_021162.1	4965915	CC	TT	TT	DRR	101499229	GDSL esterase/lipase At5g45910-like
SNP_10527B_4965982	Ca_Kabuli_Chr03	NC_021162.1	4965982	CC	TT	TT	DRR	101499229	GDSL esterase/lipase At5g45910-like
SNP_10529B_4966188	Ca_Kabuli_Chr03	NC_021162.1	4966188	CC	TT	TT	DRR	101499229	GDSL esterase/lipase At5g45910-like
SNP_10530B_4966809	Ca_Kabuli_Chr03	NC_021162.1	4966809	AA	CC	CC	INTRON	101499229	GDSL esterase/lipase At5g45910-like
SNP_10531B_4966928	Ca_Kabuli_Chr03	NC_021162.1	4966928	TT	CC	CC	SYNONYMOUS_CODING	101499229	GDSL esterase/lipase At5g45910-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_10534B_4975317	Ca_Kabuli_Chr03	NC_021162.1	4975317	TT	CC	CC	SYNONYMOUS_CODING	101499229	GDSL esterase/lipase At5g45910-like
SNP_10535B_4976978	Ca_Kabuli_Chr03	NC_021162.1	4976978	AA	GG	GG	URR	101499229	GDSL esterase/lipase At5g45910-like
SNP_10536B_5229745	Ca_Kabuli_Chr03	NC_021162.1	5229745	GG	AA	AA	INTERGENIC		
SNP_10537B_5269898	Ca_Kabuli_Chr03	NC_021162.1	5269898	CC	AA	AA	INTERGENIC		
SNP_10539B_5269991	Ca_Kabuli_Chr03	NC_021162.1	5269991	AA	TT	TT	INTERGENIC		
SNP_10540B_5269993	Ca_Kabuli_Chr03	NC_021162.1	5269993	TT	AA	AA	INTERGENIC		
SNP_10541B_5270108	Ca_Kabuli_Chr03	NC_021162.1	5270108	AA	GG	GG	INTERGENIC		
SNP_10543B_5270131	Ca_Kabuli_Chr03	NC_021162.1	5270131	TT	CC	CC	INTERGENIC		
SNP_10544B_5270398	Ca_Kabuli_Chr03	NC_021162.1	5270398	TT	AA	AA	INTERGENIC		
SNP_10545B_5270405	Ca_Kabuli_Chr03	NC_021162.1	5270405	AA	TT	TT	INTERGENIC		
SNP_10546B_5270439	Ca_Kabuli_Chr03	NC_021162.1	5270439	CC	TT	TT	INTERGENIC		
SNP_10548B_5270705	Ca_Kabuli_Chr03	NC_021162.1	5270705	TT	AA	AA	INTERGENIC		
SNP_10549B_5273919	Ca_Kabuli_Chr03	NC_021162.1	5273919	CC	TT	TT	INTERGENIC		
SNP_10550B_5274147	Ca_Kabuli_Chr03	NC_021162.1	5274147	TT	CC	CC	INTERGENIC		
SNP_10551B_5274156	Ca_Kabuli_Chr03	NC_021162.1	5274156	AA	GG	GG	INTERGENIC		
SNP_10552B_5274178	Ca_Kabuli_Chr03	NC_021162.1	5274178	TT	CC	CC	INTERGENIC		
SNP_10553B_5274198	Ca_Kabuli_Chr03	NC_021162.1	5274198	AA	GG	GG	INTERGENIC		
SNP_10554B_5274204	Ca_Kabuli_Chr03	NC_021162.1	5274204	TT	CC	CC	INTERGENIC		
SNP_10555B_5274210	Ca_Kabuli_Chr03	NC_021162.1	5274210	TT	AA	AA	INTERGENIC		
SNP_10556B_5274216	Ca_Kabuli_Chr03	NC_021162.1	5274216	AA	CC	CC	INTERGENIC		
SNP_10557B_5274249	Ca_Kabuli_Chr03	NC_021162.1	5274249	AA	GG	GG	INTERGENIC		
SNP_10558B_5274267	Ca_Kabuli_Chr03	NC_021162.1	5274267	TT	AA	AA	INTERGENIC		
SNP_10560B_5274291	Ca_Kabuli_Chr03	NC_021162.1	5274291	TT	GG	GG	INTERGENIC		
SNP_10561B_5274303	Ca_Kabuli_Chr03	NC_021162.1	5274303	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_10562B_5274318	Ca_Kabuli_Chr03	NC_021162.1	5274318	TT	AA	AA	INTERGENIC		
SNP_10563B_5274330	Ca_Kabuli_Chr03	NC_021162.1	5274330	TT	CC	CC	INTERGENIC		
SNP_10564B_5274342	Ca_Kabuli_Chr03	NC_021162.1	5274342	GG	AA	AA	INTERGENIC		
SNP_10565B_5274366	Ca_Kabuli_Chr03	NC_021162.1	5274366	AA	GG	GG	INTERGENIC		
SNP_10566B_5274404	Ca_Kabuli_Chr03	NC_021162.1	5274404	AA	CC	CC	INTERGENIC		
SNP_10568B_5274423	Ca_Kabuli_Chr03	NC_021162.1	5274423	CC	TT	TT	INTERGENIC		
SNP_10569B_5274428	Ca_Kabuli_Chr03	NC_021162.1	5274428	TT	CC	CC	INTERGENIC		
SNP_10570B_5274429	Ca_Kabuli_Chr03	NC_021162.1	5274429	AA	TT	TT	INTERGENIC		
SNP_10571B_5274444	Ca_Kabuli_Chr03	NC_021162.1	5274444	CC	TT	TT	INTERGENIC		
SNP_10572B_5274450	Ca_Kabuli_Chr03	NC_021162.1	5274450	CC	AA	AA	INTERGENIC		
SNP_10573B_5274453	Ca_Kabuli_Chr03	NC_021162.1	5274453	TT	CC	CC	INTERGENIC		
SNP_10574B_5274456	Ca_Kabuli_Chr03	NC_021162.1	5274456	CC	TT	TT	INTERGENIC		
SNP_10575B_5276575	Ca_Kabuli_Chr03	NC_021162.1	5276575	GG	AA	AA	INTERGENIC		
SNP_10576B_5276621	Ca_Kabuli_Chr03	NC_021162.1	5276621	TT	CC	CC	INTERGENIC		
SNP_10577B_5276626	Ca_Kabuli_Chr03	NC_021162.1	5276626	AA	CC	CC	INTERGENIC		
SNP_10578B_5276632	Ca_Kabuli_Chr03	NC_021162.1	5276632	AA	TT	TT	INTERGENIC		
SNP_10579B_5276645	Ca_Kabuli_Chr03	NC_021162.1	5276645	AA	GG	GG	INTERGENIC		
SNP_10580B_5276647	Ca_Kabuli_Chr03	NC_021162.1	5276647	TT	CC	CC	INTERGENIC		
SNP_10581B_5276656	Ca_Kabuli_Chr03	NC_021162.1	5276656	CC	TT	TT	INTERGENIC		
SNP_10582B_5276665	Ca_Kabuli_Chr03	NC_021162.1	5276665	TT	GG	GG	INTERGENIC		
SNP_10584B_5282265	Ca_Kabuli_Chr03	NC_021162.1	5282265	CC	TT	TT	INTERGENIC		
SNP_10585B_5282266	Ca_Kabuli_Chr03	NC_021162.1	5282266	GG	TT	TT	INTERGENIC		
SNP_10586B_5285617	Ca_Kabuli_Chr03	NC_021162.1	5285617	CC	TT	TT	INTERGENIC		
SNP_10587B_5285637	Ca_Kabuli_Chr03	NC_021162.1	5285637	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_10588B_5285640	Ca_Kabuli_Chr03	NC_021162.1	5285640	TT	CC	CC	INTERGENIC		
SNP_10589B_5285791	Ca_Kabuli_Chr03	NC_021162.1	5285791	TT	CC	CC	INTERGENIC		
SNP_10590B_5285793	Ca_Kabuli_Chr03	NC_021162.1	5285793	TT	CC	CC	INTERGENIC		
SNP_10591B_5285804	Ca_Kabuli_Chr03	NC_021162.1	5285804	GG	CC	CC	INTERGENIC		
SNP_10592B_5285820	Ca_Kabuli_Chr03	NC_021162.1	5285820	GG	CC	CC	INTERGENIC		
SNP_10593B_5285854	Ca_Kabuli_Chr03	NC_021162.1	5285854	AA	GG	GG	INTERGENIC		
SNP_10594B_5285873	Ca_Kabuli_Chr03	NC_021162.1	5285873	TT	AA	AA	INTERGENIC		
SNP_10595B_5286136	Ca_Kabuli_Chr03	NC_021162.1	5286136	AA	GG	GG	INTERGENIC		
SNP_10597B_5287450	Ca_Kabuli_Chr03	NC_021162.1	5287450	CC	TT	TT	INTERGENIC		
SNP_10598B_5287688	Ca_Kabuli_Chr03	NC_021162.1	5287688	CC	TT	TT	INTERGENIC		
SNP_10599B_5287691	Ca_Kabuli_Chr03	NC_021162.1	5287691	AA	GG	GG	INTERGENIC		
SNP_10600B_5287699	Ca_Kabuli_Chr03	NC_021162.1	5287699	CC	TT	TT	INTERGENIC		
SNP_10602B_5340504	Ca_Kabuli_Chr03	NC_021162.1	5340504	AA	GG	GG	INTERGENIC		
SNP_10603B_5340847	Ca_Kabuli_Chr03	NC_021162.1	5340847	TT	CC	CC	INTERGENIC		
SNP_10604B_5340876	Ca_Kabuli_Chr03	NC_021162.1	5340876	AA	GG	GG	INTERGENIC		
SNP_10605B_5340893	Ca_Kabuli_Chr03	NC_021162.1	5340893	CC	TT	TT	INTERGENIC		
SNP_10606B_5340951	Ca_Kabuli_Chr03	NC_021162.1	5340951	TT	GG	GG	INTERGENIC		
SNP_10607B_5340976	Ca_Kabuli_Chr03	NC_021162.1	5340976	AA	CC	CC	INTERGENIC		
SNP_10608B_5344680	Ca_Kabuli_Chr03	NC_021162.1	5344680	GG	AA	AA	INTERGENIC		
SNP_10610B_5501930	Ca_Kabuli_Chr03	NC_021162.1	5501930	TT	GG	GG	DRR	101510873	uncharacterized LOC101510873
SNP_10611B_5501949	Ca_Kabuli_Chr03	NC_021162.1	5501949	GG	AA	AA	DRR	101510873	uncharacterized LOC101510873
SNP_10612B_5501951	Ca_Kabuli_Chr03	NC_021162.1	5501951	AA	TT	TT	DRR	101510873	uncharacterized LOC101510873
SNP_10613B_5501952	Ca_Kabuli_Chr03	NC_021162.1	5501952	GG	CC	CC	DRR	101510873	uncharacterized LOC101510873
SNP_10614B_5502027	Ca_Kabuli_Chr03	NC_021162.1	5502027	AA	CC	CC	DRR	101510873	uncharacterized LOC101510873

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_10615B_5502184	Ca_Kabuli_Chr03	NC_021162.1	5502184	GG	AA	AA	DRR	101510873	uncharacterized LOC101510873
SNP_10617B_5507850	Ca_Kabuli_Chr03	NC_021162.1	5507850	AA	GG	GG	INTERGENIC		
SNP_10618B_5507946	Ca_Kabuli_Chr03	NC_021162.1	5507946	AA	CC	CC	INTERGENIC		
SNP_10619B_5508035	Ca_Kabuli_Chr03	NC_021162.1	5508035	GG	TT	TT	INTERGENIC		
SNP_10620B_5509233	Ca_Kabuli_Chr03	NC_021162.1	5509233	AA	CC	CC	INTERGENIC		
SNP_10621B_5510238	Ca_Kabuli_Chr03	NC_021162.1	5510238	TT	CC	CC	INTERGENIC		
SNP_10622B_5516392	Ca_Kabuli_Chr03	NC_021162.1	5516392	AA	GG	GG	INTERGENIC		
SNP_10623B_5516394	Ca_Kabuli_Chr03	NC_021162.1	5516394	CC	TT	TT	INTERGENIC		
SNP_10624B_5516739	Ca_Kabuli_Chr03	NC_021162.1	5516739	TT	CC	CC	INTERGENIC		
SNP_10625B_5516741	Ca_Kabuli_Chr03	NC_021162.1	5516741	TT	CC	CC	INTERGENIC		
SNP_10626B_5516785	Ca_Kabuli_Chr03	NC_021162.1	5516785	AA	GG	GG	INTERGENIC		
SNP_10628B_5588724	Ca_Kabuli_Chr03	NC_021162.1	5588724	GG	TT	TT	INTERGENIC		
SNP_10629B_5588889	Ca_Kabuli_Chr03	NC_021162.1	5588889	AA	CC	CC	INTERGENIC		
SNP_10630B_5588900	Ca_Kabuli_Chr03	NC_021162.1	5588900	GG	TT	TT	INTERGENIC		
SNP_10631B_5588902	Ca_Kabuli_Chr03	NC_021162.1	5588902	AA	GG	GG	INTERGENIC		
SNP_10632B_5588905	Ca_Kabuli_Chr03	NC_021162.1	5588905	AA	TT	TT	INTERGENIC		
SNP_10633B_5633964	Ca_Kabuli_Chr03	NC_021162.1	5633964	AA	TT	TT	INTERGENIC		
SNP_10634B_5659612	Ca_Kabuli_Chr03	NC_021162.1	5659612	TT	CC	CC	DRR	101512478	DNA-directed RNA polymerase III subunit RPC6
SNP_10635B_5678295	Ca_Kabuli_Chr03	NC_021162.1	5678295	AA	GG	GG	URR	101513013	developmental protein SEPALLATA 1
SNP_10636B_5689050	Ca_Kabuli_Chr03	NC_021162.1	5689050	CC	TT	TT	INTERGENIC		
SNP_10638B_5689357	Ca_Kabuli_Chr03	NC_021162.1	5689357	TT	CC	CC	INTERGENIC		
SNP_10639B_5689359	Ca_Kabuli_Chr03	NC_021162.1	5689359	AA	GG	GG	INTERGENIC		
SNP_10640B_5692283	Ca_Kabuli_Chr03	NC_021162.1	5692283	GG	AA	AA	INTERGENIC		
SNP_10642B_5716301	Ca_Kabuli_Chr03	NC_021162.1	5716301	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_10643B_5716306	Ca_Kabuli_Chr03	NC_021162.1	5716306	AA	TT	TT	INTERGENIC		
SNP_10644B_5717226	Ca_Kabuli_Chr03	NC_021162.1	5717226	GG	AA	AA	INTERGENIC		
SNP_10646B_5805133	Ca_Kabuli_Chr03	NC_021162.1	5805133	AA	TT	TT	INTERGENIC		
SNP_10647B_5805214	Ca_Kabuli_Chr03	NC_021162.1	5805214	CC	TT	TT	INTERGENIC		
SNP_10649B_5839015	Ca_Kabuli_Chr03	NC_021162.1	5839015	AA	GG	GG	INTRON	101490680	Unknown function
SNP_10650B_5840829	Ca_Kabuli_Chr03	NC_021162.1	5840829	AA	GG	GG	INTRON	101490680	Unknown function
SNP_10652B_5840860	Ca_Kabuli_Chr03	NC_021162.1	5840860	AA	GG	GG	INTRON	101490680	Unknown function
SNP_10653B_5840888	Ca_Kabuli_Chr03	NC_021162.1	5840888	GG	TT	TT	INTRON	101490680	Unknown function
SNP_10654B_5840904	Ca_Kabuli_Chr03	NC_021162.1	5840904	CC	TT	TT	INTRON	101490680	Unknown function
SNP_10655B_5840927	Ca_Kabuli_Chr03	NC_021162.1	5840927	AA	GG	GG	INTRON	101490680	Unknown function
SNP_10656B_5841413	Ca_Kabuli_Chr03	NC_021162.1	5841413	AA	GG	GG	INTRON	101490680	Unknown function
SNP_10657B_5894066	Ca_Kabuli_Chr03	NC_021162.1	5894066	CC	GG	GG	INTERGENIC		
SNP_10658B_5916180	Ca_Kabuli_Chr03	NC_021162.1	5916180	AA	GG	GG	INTRON	101491314	Unknown function
SNP_10659B_5916185	Ca_Kabuli_Chr03	NC_021162.1	5916185	TT	CC	CC	INTRON	101491314	Unknown function
SNP_10660B_5922057	Ca_Kabuli_Chr03	NC_021162.1	5922057	AA	TT	TT	INTERGENIC		
SNP_10661B_5922087	Ca_Kabuli_Chr03	NC_021162.1	5922087	CC	GG	GG	INTERGENIC		
SNP_10662B_5922096	Ca_Kabuli_Chr03	NC_021162.1	5922096	CC	TT	TT	INTERGENIC		
SNP_10663B_5922517	Ca_Kabuli_Chr03	NC_021162.1	5922517	AA	GG	GG	INTERGENIC		
SNP_10664B_5923068	Ca_Kabuli_Chr03	NC_021162.1	5923068	AA	GG	GG	INTERGENIC		
SNP_10665B_5936579	Ca_Kabuli_Chr03	NC_021162.1	5936579	CC	TT	TT	INTERGENIC		
SNP_10666B_5936608	Ca_Kabuli_Chr03	NC_021162.1	5936608	TT	AA	AA	INTERGENIC		
SNP_10667B_5936665	Ca_Kabuli_Chr03	NC_021162.1	5936665	CC	TT	TT	INTERGENIC		
SNP_10668B_5936666	Ca_Kabuli_Chr03	NC_021162.1	5936666	AA	GG	GG	INTERGENIC		
SNP_10669B_5936668	Ca_Kabuli_Chr03	NC_021162.1	5936668	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_10670B_5943814	Ca_Kabuli_Chr03	NC_021162.1	5943814	GG	CC	CC	INTERGENIC		
SNP_10671B_5945493	Ca_Kabuli_Chr03	NC_021162.1	5945493	CC	AA	AA	INTERGENIC		
SNP_10672B_5945500	Ca_Kabuli_Chr03	NC_021162.1	5945500	AA	TT	TT	INTERGENIC		
SNP_10673B_5945531	Ca_Kabuli_Chr03	NC_021162.1	5945531	CC	TT	TT	INTERGENIC		
SNP_10674B_5958643	Ca_Kabuli_Chr03	NC_021162.1	5958643	GG	TT	TT	INTERGENIC		
SNP_10675B_5967019	Ca_Kabuli_Chr03	NC_021162.1	5967019	GG	CC	CC	INTERGENIC		
SNP_10676B_5970699	Ca_Kabuli_Chr03	NC_021162.1	5970699	AA	TT	TT	INTERGENIC		
SNP_10677B_5978448	Ca_Kabuli_Chr03	NC_021162.1	5978448	CC	AA	AA	INTERGENIC		
SNP_10678B_5994233	Ca_Kabuli_Chr03	NC_021162.1	5994233	AA	TT	TT	INTERGENIC		
SNP_10679B_5994269	Ca_Kabuli_Chr03	NC_021162.1	5994269	AA	CC	CC	INTERGENIC		
SNP_10680B_6004312	Ca_Kabuli_Chr03	NC_021162.1	6004312	AA	GG	GG	INTERGENIC		
SNP_10681B_6004797	Ca_Kabuli_Chr03	NC_021162.1	6004797	AA	GG	GG	INTERGENIC		
SNP_10682B_6021674	Ca_Kabuli_Chr03	NC_021162.1	6021674	CC	GG	GG	INTERGENIC		
SNP_10683B_6021698	Ca_Kabuli_Chr03	NC_021162.1	6021698	GG	CC	CC	INTERGENIC		
SNP_10684B_6021701	Ca_Kabuli_Chr03	NC_021162.1	6021701	GG	AA	AA	INTERGENIC		
SNP_10685B_6030819	Ca_Kabuli_Chr03	NC_021162.1	6030819	AA	GG	GG	INTERGENIC		
SNP_10686B_6030821	Ca_Kabuli_Chr03	NC_021162.1	6030821	GG	TT	TT	INTERGENIC		
SNP_10687B_6030829	Ca_Kabuli_Chr03	NC_021162.1	6030829	TT	CC	CC	INTERGENIC		
SNP_10688B_6030871	Ca_Kabuli_Chr03	NC_021162.1	6030871	TT	GG	GG	INTERGENIC		
SNP_10689B_6031035	Ca_Kabuli_Chr03	NC_021162.1	6031035	GG	AA	AA	INTERGENIC		
SNP_10690B_6031215	Ca_Kabuli_Chr03	NC_021162.1	6031215	TT	CC	CC	INTERGENIC		
SNP_10691B_6031225	Ca_Kabuli_Chr03	NC_021162.1	6031225	AA	CC	CC	INTERGENIC		
SNP_10692B_6031307	Ca_Kabuli_Chr03	NC_021162.1	6031307	AA	TT	TT	INTERGENIC		
SNP_10693B_6031433	Ca_Kabuli_Chr03	NC_021162.1	6031433	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_10694B_6031451	Ca_Kabuli_Chr03	NC_021162.1	6031451	TT	CC	CC	INTERGENIC		
SNP_10695B_6035912	Ca_Kabuli_Chr03	NC_021162.1	6035912	AA	CC	CC	INTERGENIC		
SNP_10696B_6037644	Ca_Kabuli_Chr03	NC_021162.1	6037644	TT	CC	CC	INTERGENIC		
SNP_10697B_6219407	Ca_Kabuli_Chr03	NC_021162.1	6219407	GG	AA	AA	DRR	101494239	uncharacterized LOC101494239
SNP_10698B_6259684	Ca_Kabuli_Chr03	NC_021162.1	6259684	GG	AA	AA	INTERGENIC		
SNP_10699B_6297142	Ca_Kabuli_Chr03	NC_021162.1	6297142	GG	AA	AA	INTERGENIC		
SNP_10700B_6302492	Ca_Kabuli_Chr03	NC_021162.1	6302492	AA	CC	CC	NON_SYNONYMOUS_CODING	101495513	uncharacterized LOC101495513
SNP_10701B_6302939	Ca_Kabuli_Chr03	NC_021162.1	6302939	CC	TT	TT	SYNONYMOUS_CODING	101495513	uncharacterized LOC101495513
SNP_10702B_6333759	Ca_Kabuli_Chr03	NC_021162.1	6333759	AA	TT	TT	INTERGENIC		
SNP_10703B_6333827	Ca_Kabuli_Chr03	NC_021162.1	6333827	AA	GG	GG	INTERGENIC		
SNP_10706B_6371941	Ca_Kabuli_Chr03	NC_021162.1	6371941	CC	TT	TT	INTERGENIC		
SNP_10707B_6371988	Ca_Kabuli_Chr03	NC_021162.1	6371988	GG	AA	AA	INTERGENIC		
SNP_10708B_6372002	Ca_Kabuli_Chr03	NC_021162.1	6372002	TT	AA	AA	INTERGENIC		
SNP_10709B_6372004	Ca_Kabuli_Chr03	NC_021162.1	6372004	AA	GG	GG	INTERGENIC		
SNP_10711B_6372228	Ca_Kabuli_Chr03	NC_021162.1	6372228	AA	TT	TT	INTERGENIC		
SNP_10712B_6372262	Ca_Kabuli_Chr03	NC_021162.1	6372262	AA	CC	CC	INTERGENIC		
SNP_10713B_6372264	Ca_Kabuli_Chr03	NC_021162.1	6372264	AA	TT	TT	INTERGENIC		
SNP_10715B_6386864	Ca_Kabuli_Chr03	NC_021162.1	6386864	TT	CC	CC	INTERGENIC		
SNP_10716B_6386896	Ca_Kabuli_Chr03	NC_021162.1	6386896	CC	TT	TT	INTERGENIC		
SNP_10718B_6386943	Ca_Kabuli_Chr03	NC_021162.1	6386943	GG	AA	AA	INTERGENIC		
SNP_10719B_6430983	Ca_Kabuli_Chr03	NC_021162.1	6430983	AA	GG	GG	INTERGENIC		
SNP_10720B_6430987	Ca_Kabuli_Chr03	NC_021162.1	6430987	GG	CC	CC	INTERGENIC		
SNP_10721B_6431363	Ca_Kabuli_Chr03	NC_021162.1	6431363	AA	GG	GG	INTERGENIC		
SNP_10722B_6474374	Ca_Kabuli_Chr03	NC_021162.1	6474374	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_10723B_6520284	Ca_Kabuli_Chr03	NC_021162.1	6520284	AA	GG	GG	INTERGENIC		
SNP_10724B_6520291	Ca_Kabuli_Chr03	NC_021162.1	6520291	CC	TT	TT	INTERGENIC		
SNP_10726B_6569728	Ca_Kabuli_Chr03	NC_021162.1	6569728	CC	TT	TT	INTERGENIC		
SNP_10727B_6581942	Ca_Kabuli_Chr03	NC_021162.1	6581942	GG	AA	AA	INTERGENIC		
SNP_10728B_6582270	Ca_Kabuli_Chr03	NC_021162.1	6582270	TT	CC	CC	INTERGENIC		
SNP_10729B_6583701	Ca_Kabuli_Chr03	NC_021162.1	6583701	CC	GG	GG	INTERGENIC		
SNP_10730B_6587860	Ca_Kabuli_Chr03	NC_021162.1	6587860	AA	GG	GG	INTERGENIC		
SNP_10731B_6588348	Ca_Kabuli_Chr03	NC_021162.1	6588348	TT	AA	AA	INTERGENIC		
SNP_10732B_6588638	Ca_Kabuli_Chr03	NC_021162.1	6588638	CC	TT	TT	INTERGENIC		
SNP_10733B_6588778	Ca_Kabuli_Chr03	NC_021162.1	6588778	TT	GG	GG	INTERGENIC		
SNP_10734B_6588920	Ca_Kabuli_Chr03	NC_021162.1	6588920	GG	AA	AA	INTERGENIC		
SNP_10735B_6589283	Ca_Kabuli_Chr03	NC_021162.1	6589283	CC	AA	AA	INTERGENIC		
SNP_10736B_6589692	Ca_Kabuli_Chr03	NC_021162.1	6589692	TT	CC	CC	INTERGENIC		
SNP_10737B_6590380	Ca_Kabuli_Chr03	NC_021162.1	6590380	GG	AA	AA	INTERGENIC		
SNP_10738B_6590452	Ca_Kabuli_Chr03	NC_021162.1	6590452	CC	AA	AA	INTERGENIC		
SNP_10739B_6591729	Ca_Kabuli_Chr03	NC_021162.1	6591729	TT	GG	GG	INTERGENIC		
SNP_10740B_6599039	Ca_Kabuli_Chr03	NC_021162.1	6599039	TT	CC	CC	INTERGENIC		
SNP_10741B_6599058	Ca_Kabuli_Chr03	NC_021162.1	6599058	AA	CC	CC	INTERGENIC		
SNP_10742B_6599070	Ca_Kabuli_Chr03	NC_021162.1	6599070	TT	CC	CC	INTERGENIC		
SNP_10743B_6599081	Ca_Kabuli_Chr03	NC_021162.1	6599081	CC	TT	TT	INTERGENIC		
SNP_10744B_6599095	Ca_Kabuli_Chr03	NC_021162.1	6599095	GG	CC	CC	INTERGENIC		
SNP_10745B_6599098	Ca_Kabuli_Chr03	NC_021162.1	6599098	TT	AA	AA	INTERGENIC		
SNP_10746B_6599124	Ca_Kabuli_Chr03	NC_021162.1	6599124	TT	AA	AA	INTERGENIC		
SNP_10747B_6599143	Ca_Kabuli_Chr03	NC_021162.1	6599143	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_10748B_6599149	Ca_Kabuli_Chr03	NC_021162.1	6599149	TT	CC	CC	INTERGENIC		
SNP_10749B_6599174	Ca_Kabuli_Chr03	NC_021162.1	6599174	AA	TT	TT	INTERGENIC		
SNP_10750B_6599175	Ca_Kabuli_Chr03	NC_021162.1	6599175	TT	AA	AA	INTERGENIC		
SNP_10751B_6599208	Ca_Kabuli_Chr03	NC_021162.1	6599208	AA	GG	GG	INTERGENIC		
SNP_10752B_6599217	Ca_Kabuli_Chr03	NC_021162.1	6599217	TT	AA	AA	INTERGENIC		
SNP_10753B_6599310	Ca_Kabuli_Chr03	NC_021162.1	6599310	AA	GG	GG	INTERGENIC		
SNP_10754B_6599482	Ca_Kabuli_Chr03	NC_021162.1	6599482	GG	AA	AA	INTERGENIC		
SNP_10755B_6600839	Ca_Kabuli_Chr03	NC_021162.1	6600839	CC	AA	AA	INTERGENIC		
SNP_10756B_6608449	Ca_Kabuli_Chr03	NC_021162.1	6608449	GG	TT	TT	INTERGENIC		
SNP_10757B_6608861	Ca_Kabuli_Chr03	NC_021162.1	6608861	TT	AA	AA	INTERGENIC		
SNP_10758B_6675431	Ca_Kabuli_Chr03	NC_021162.1	6675431	AA	GG	GG	INTRON	101496723	pre-mRNA-processing ATP-dependent RNA helicase prp5
SNP_10759B_6675470	Ca_Kabuli_Chr03	NC_021162.1	6675470	GG	TT	TT	INTRON	101496723	pre-mRNA-processing ATP-dependent RNA helicase prp5
SNP_10760B_6675544	Ca_Kabuli_Chr03	NC_021162.1	6675544	TT	CC	CC	INTRON	101496723	pre-mRNA-processing ATP-dependent RNA helicase prp5
SNP_10761B_6675562	Ca_Kabuli_Chr03	NC_021162.1	6675562	AA	GG	GG	INTRON	101496723	pre-mRNA-processing ATP-dependent RNA helicase prp5
SNP_10762B_6675633	Ca_Kabuli_Chr03	NC_021162.1	6675633	TT	GG	GG	INTRON	101496723	pre-mRNA-processing ATP-dependent RNA helicase prp5
SNP_10763B_6698037	Ca_Kabuli_Chr03	NC_021162.1	6698037	AA	GG	GG	INTERGENIC		
SNP_10764B_6724076	Ca_Kabuli_Chr03	NC_021162.1	6724076	AA	GG	GG	INTERGENIC		
SNP_10765B_6724288	Ca_Kabuli_Chr03	NC_021162.1	6724288	TT	CC	CC	INTERGENIC		
SNP_10766B_6728901	Ca_Kabuli_Chr03	NC_021162.1	6728901	AA	GG	GG	INTERGENIC		
SNP_10767B_6739764	Ca_Kabuli_Chr03	NC_021162.1	6739764	GG	AA	AA	INTERGENIC		
SNP_10768B_6772524	Ca_Kabuli_Chr03	NC_021162.1	6772524	TT	CC	CC	URR	101511194	pentatricopeptide repeat-containing protein At3g29230-like
SNP_10769B_6772552	Ca_Kabuli_Chr03	NC_021162.1	6772552	CC	TT	TT	URR	101511194	pentatricopeptide repeat-containing protein At3g29230-like
SNP_10771B_6773169	Ca_Kabuli_Chr03	NC_021162.1	6773169	GG	AA	AA	URR	101511194	pentatricopeptide repeat-containing protein At3g29230-like
SNP_10772B_6773171	Ca_Kabuli_Chr03	NC_021162.1	6773171	AA	GG	GG	URR	101511194	pentatricopeptide repeat-containing protein At3g29230-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_10773B_6773439	Ca_Kabuli_Chr03	NC_021162.1	6773439	TT	CC	CC	URR	101511194	pentatricopeptide repeat-containing protein At3g29230-like
SNP_10774B_6773443	Ca_Kabuli_Chr03	NC_021162.1	6773443	TT	CC	CC	URR	101511194	pentatricopeptide repeat-containing protein At3g29230-like
SNP_10775B_6773447	Ca_Kabuli_Chr03	NC_021162.1	6773447	GG	AA	AA	URR	101511194	pentatricopeptide repeat-containing protein At3g29230-like
SNP_10776B_6773481	Ca_Kabuli_Chr03	NC_021162.1	6773481	TT	CC	CC	URR	101511194	pentatricopeptide repeat-containing protein At3g29230-like
SNP_10777B_6774057	Ca_Kabuli_Chr03	NC_021162.1	6774057	CC	TT	TT	INTERGENIC		
SNP_10779B_6774146	Ca_Kabuli_Chr03	NC_021162.1	6774146	GG	AA	AA	INTERGENIC		
SNP_10780B_6774235	Ca_Kabuli_Chr03	NC_021162.1	6774235	CC	AA	AA	INTERGENIC		
SNP_10781B_6774373	Ca_Kabuli_Chr03	NC_021162.1	6774373	TT	AA	AA	DRR	101498692	uncharacterized LOC101498692
SNP_10782B_6774379	Ca_Kabuli_Chr03	NC_021162.1	6774379	AA	GG	GG	DRR	101498692	uncharacterized LOC101498692
SNP_10783B_6780284	Ca_Kabuli_Chr03	NC_021162.1	6780284	AA	GG	GG	INTERGENIC		
SNP_10784B_6780322	Ca_Kabuli_Chr03	NC_021162.1	6780322	CC	TT	TT	INTERGENIC		
SNP_10785B_6780560	Ca_Kabuli_Chr03	NC_021162.1	6780560	GG	AA	AA	INTERGENIC		
SNP_10786B_6780651	Ca_Kabuli_Chr03	NC_021162.1	6780651	TT	AA	AA	INTERGENIC		
SNP_10787B_6780692	Ca_Kabuli_Chr03	NC_021162.1	6780692	TT	AA	AA	INTERGENIC		
SNP_10788B_6780894	Ca_Kabuli_Chr03	NC_021162.1	6780894	GG	AA	AA	INTERGENIC		
SNP_10789B_6781028	Ca_Kabuli_Chr03	NC_021162.1	6781028	CC	TT	TT	INTERGENIC		
SNP_10790B_6781062	Ca_Kabuli_Chr03	NC_021162.1	6781062	TT	GG	GG	INTERGENIC		
SNP_10791B_6781078	Ca_Kabuli_Chr03	NC_021162.1	6781078	CC	AA	AA	INTERGENIC		
SNP_10792B_6781311	Ca_Kabuli_Chr03	NC_021162.1	6781311	CC	TT	TT	INTERGENIC		
SNP_10793B_6790084	Ca_Kabuli_Chr03	NC_021162.1	6790084	GG	AA	AA	DRR	101512152	pentatricopeptide repeat-containing protein At3g29230-like
SNP_10794B_6790188	Ca_Kabuli_Chr03	NC_021162.1	6790188	CC	TT	TT	DRR	101512152	pentatricopeptide repeat-containing protein At3g29230-like
SNP_10795B_6790218	Ca_Kabuli_Chr03	NC_021162.1	6790218	TT	AA	AA	DRR	101512152	pentatricopeptide repeat-containing protein At3g29230-like
SNP_10796B_6790293	Ca_Kabuli_Chr03	NC_021162.1	6790293	GG	AA	AA	DRR	101512152	pentatricopeptide repeat-containing protein At3g29230-like
SNP_10797B_6790356	Ca_Kabuli_Chr03	NC_021162.1	6790356	CC	TT	TT	DRR	101512152	pentatricopeptide repeat-containing protein At3g29230-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_10798B_6790446	Ca_Kabuli_Chr03	NC_021162.1	6790446	CC	TT	TT	DRR	101512152	pentatricopeptide repeat-containing protein At3g29230-like
SNP_10800B_6815969	Ca_Kabuli_Chr03	NC_021162.1	6815969	AA	GG	GG	URR	101499337	60S ribosomal protein L15-1
SNP_10801B_6822080	Ca_Kabuli_Chr03	NC_021162.1	6822080	GG	AA	AA	INTERGENIC		
SNP_10802B_6822100	Ca_Kabuli_Chr03	NC_021162.1	6822100	GG	TT	TT	INTERGENIC		
SNP_10803B_6822158	Ca_Kabuli_Chr03	NC_021162.1	6822158	AA	GG	GG	INTERGENIC		
SNP_10805B_6825995	Ca_Kabuli_Chr03	NC_021162.1	6825995	AA	CC	CC	INTRON	id44115	Unknown function
SNP_10806B_6826099	Ca_Kabuli_Chr03	NC_021162.1	6826099	TT	CC	CC	INTRON	id44115	Unknown function
SNP_10807B_6826292	Ca_Kabuli_Chr03	NC_021162.1	6826292	GG	AA	AA	INTRON	id44115	Unknown function
SNP_10808B_6826297	Ca_Kabuli_Chr03	NC_021162.1	6826297	TT	CC	CC	INTRON	id44115	Unknown function
SNP_10810B_6842435	Ca_Kabuli_Chr03	NC_021162.1	6842435	GG	AA	AA	URR	101500401	protein ROOT INITIATION DEFECTIVE 3-like
SNP_10811B_6859411	Ca_Kabuli_Chr03	NC_021162.1	6859411	GG	TT	TT	INTERGENIC		
SNP_10812B_6859424	Ca_Kabuli_Chr03	NC_021162.1	6859424	CC	TT	TT	INTERGENIC		
SNP_10813B_6859432	Ca_Kabuli_Chr03	NC_021162.1	6859432	CC	AA	AA	INTERGENIC		
SNP_10814B_6859470	Ca_Kabuli_Chr03	NC_021162.1	6859470	CC	AA	AA	INTERGENIC		
SNP_10815B_6859498	Ca_Kabuli_Chr03	NC_021162.1	6859498	TT	CC	CC	INTERGENIC		
SNP_10816B_6859508	Ca_Kabuli_Chr03	NC_021162.1	6859508	CC	TT	TT	INTERGENIC		
SNP_10817B_6859668	Ca_Kabuli_Chr03	NC_021162.1	6859668	GG	AA	AA	INTERGENIC		
SNP_10818B_6859762	Ca_Kabuli_Chr03	NC_021162.1	6859762	TT	CC	CC	INTERGENIC		
SNP_10819B_6859889	Ca_Kabuli_Chr03	NC_021162.1	6859889	GG	AA	AA	INTERGENIC		
SNP_10820B_6859890	Ca_Kabuli_Chr03	NC_021162.1	6859890	TT	CC	CC	INTERGENIC		
SNP_10821B_6906187	Ca_Kabuli_Chr03	NC_021162.1	6906187	AA	GG	GG	URR	101501026	pentatricopeptide repeat-containing protein At4g01570
SNP_10822B_6906547	Ca_Kabuli_Chr03	NC_021162.1	6906547	TT	GG	GG	URR	101501026	pentatricopeptide repeat-containing protein At4g01570
SNP_10823B_6906571	Ca_Kabuli_Chr03	NC_021162.1	6906571	TT	CC	CC	URR	101501026	pentatricopeptide repeat-containing protein At4g01570
SNP_10824B_7056308	Ca_Kabuli_Chr03	NC_021162.1	7056308	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_10826B_7065580	Ca_Kabuli_Chr03	NC_021162.1	7065580	AA	GG	GG	INTERGENIC		
SNP_10827B_7065625	Ca_Kabuli_Chr03	NC_021162.1	7065625	CC	TT	TT	INTERGENIC		
SNP_10828B_7065728	Ca_Kabuli_Chr03	NC_021162.1	7065728	AA	CC	CC	INTERGENIC		
SNP_10829B_7120370	Ca_Kabuli_Chr03	NC_021162.1	7120370	GG	AA	AA	INTERGENIC		
SNP_10830B_7120627	Ca_Kabuli_Chr03	NC_021162.1	7120627	AA	GG	GG	INTERGENIC		
SNP_10831B_7284640	Ca_Kabuli_Chr03	NC_021162.1	7284640	CC	TT	TT	INTERGENIC		
SNP_10833B_7340236	Ca_Kabuli_Chr03	NC_021162.1	7340236	AA	GG	GG	DRR	101505632	alpha/beta hydrolase domain-containing protein 17C
SNP_10834B_7368089	Ca_Kabuli_Chr03	NC_021162.1	7368089	CC	TT	TT	INTERGENIC		
SNP_10836B_7430628	Ca_Kabuli_Chr03	NC_021162.1	7430628	CC	AA	AA	INTERGENIC		
SNP_10837B_7441819	Ca_Kabuli_Chr03	NC_021162.1	7441819	GG	AA	AA	DRR	101515399	uncharacterized LOC101515399
SNP_10838B_7470707	Ca_Kabuli_Chr03	NC_021162.1	7470707	CC	GG	GG	INTERGENIC		
SNP_10839B_7564345	Ca_Kabuli_Chr03	NC_021162.1	7564345	CC	TT	TT	INTERGENIC		
SNP_10840B_7686896	Ca_Kabuli_Chr03	NC_021162.1	7686896	CC	TT	TT	INTERGENIC		
SNP_10841B_7689393	Ca_Kabuli_Chr03	NC_021162.1	7689393	TT	GG	GG	INTERGENIC		
SNP_10843B_7801457	Ca_Kabuli_Chr03	NC_021162.1	7801457	AA	GG	GG	INTERGENIC		
SNP_10844B_7804266	Ca_Kabuli_Chr03	NC_021162.1	7804266	AA	GG	GG	INTERGENIC		
SNP_10845B_7804559	Ca_Kabuli_Chr03	NC_021162.1	7804559	TT	GG	GG	INTERGENIC		
SNP_10846B_7804924	Ca_Kabuli_Chr03	NC_021162.1	7804924	TT	GG	GG	INTERGENIC		
SNP_10847B_7804934	Ca_Kabuli_Chr03	NC_021162.1	7804934	AA	GG	GG	INTERGENIC		
SNP_10848B_7915268	Ca_Kabuli_Chr03	NC_021162.1	7915268	GG	CC	CC	INTERGENIC		
SNP_10849B_7959420	Ca_Kabuli_Chr03	NC_021162.1	7959420	AA	CC	CC	INTERGENIC		
SNP_10850B_7959450	Ca_Kabuli_Chr03	NC_021162.1	7959450	TT	CC	CC	INTERGENIC		
SNP_10851B_7959455	Ca_Kabuli_Chr03	NC_021162.1	7959455	CC	TT	TT	INTERGENIC		
SNP_10852B_7959601	Ca_Kabuli_Chr03	NC_021162.1	7959601	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_10853B_7959718	Ca_Kabuli_Chr03	NC_021162.1	7959718	AA	TT	TT	INTERGENIC		
SNP_10854B_7959744	Ca_Kabuli_Chr03	NC_021162.1	7959744	AA	GG	GG	INTERGENIC		
SNP_10856B_7959882	Ca_Kabuli_Chr03	NC_021162.1	7959882	CC	TT	TT	INTERGENIC		
SNP_10857B_7959912	Ca_Kabuli_Chr03	NC_021162.1	7959912	CC	TT	TT	INTERGENIC		
SNP_10858B_7959918	Ca_Kabuli_Chr03	NC_021162.1	7959918	GG	AA	AA	INTERGENIC		
SNP_10859B_7959948	Ca_Kabuli_Chr03	NC_021162.1	7959948	CC	TT	TT	INTERGENIC		
SNP_10860B_7963472	Ca_Kabuli_Chr03	NC_021162.1	7963472	AA	GG	GG	INTERGENIC		
SNP_10861B_7963568	Ca_Kabuli_Chr03	NC_021162.1	7963568	TT	CC	CC	INTERGENIC		
SNP_10862B_7963571	Ca_Kabuli_Chr03	NC_021162.1	7963571	TT	AA	AA	INTERGENIC		
SNP_10863B_7972863	Ca_Kabuli_Chr03	NC_021162.1	7972863	CC	TT	TT	INTERGENIC		
SNP_10864B_7972876	Ca_Kabuli_Chr03	NC_021162.1	7972876	GG	AA	AA	INTERGENIC		
SNP_10865B_8062018	Ca_Kabuli_Chr03	NC_021162.1	8062018	AA	GG	GG	INTERGENIC		
SNP_10866B_8062078	Ca_Kabuli_Chr03	NC_021162.1	8062078	CC	TT	TT	INTERGENIC		
SNP_10867B_8062098	Ca_Kabuli_Chr03	NC_021162.1	8062098	TT	CC	CC	INTERGENIC		
SNP_10868B_8062113	Ca_Kabuli_Chr03	NC_021162.1	8062113	TT	CC	CC	INTERGENIC		
SNP_10869B_8062124	Ca_Kabuli_Chr03	NC_021162.1	8062124	AA	CC	CC	INTERGENIC		
SNP_10870B_8062127	Ca_Kabuli_Chr03	NC_021162.1	8062127	AA	CC	CC	INTERGENIC		
SNP_10871B_8062216	Ca_Kabuli_Chr03	NC_021162.1	8062216	GG	TT	TT	INTERGENIC		
SNP_10872B_8062348	Ca_Kabuli_Chr03	NC_021162.1	8062348	GG	AA	AA	INTERGENIC		
SNP_10873B_8062386	Ca_Kabuli_Chr03	NC_021162.1	8062386	CC	TT	TT	INTERGENIC		
SNP_10874B_8062389	Ca_Kabuli_Chr03	NC_021162.1	8062389	CC	AA	AA	INTERGENIC		
SNP_10875B_8062451	Ca_Kabuli_Chr03	NC_021162.1	8062451	AA	CC	CC	INTERGENIC		
SNP_10876B_8062506	Ca_Kabuli_Chr03	NC_021162.1	8062506	AA	GG	GG	INTERGENIC		
SNP_10877B_8087910	Ca_Kabuli_Chr03	NC_021162.1	8087910	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_10878B_8088131	Ca_Kabuli_Chr03	NC_021162.1	8088131	GG	CC	CC	INTERGENIC		
SNP_10879B_8088149	Ca_Kabuli_Chr03	NC_021162.1	8088149	CC	AA	AA	INTERGENIC		
SNP_10880B_8088257	Ca_Kabuli_Chr03	NC_021162.1	8088257	AA	CC	CC	INTERGENIC		
SNP_10881B_8088358	Ca_Kabuli_Chr03	NC_021162.1	8088358	TT	CC	CC	INTERGENIC		
SNP_10882B_8088387	Ca_Kabuli_Chr03	NC_021162.1	8088387	TT	CC	CC	INTERGENIC		
SNP_10883B_8088394	Ca_Kabuli_Chr03	NC_021162.1	8088394	TT	CC	CC	INTERGENIC		
SNP_10884B_8088419	Ca_Kabuli_Chr03	NC_021162.1	8088419	AA	CC	CC	INTERGENIC		
SNP_10885B_8088433	Ca_Kabuli_Chr03	NC_021162.1	8088433	CC	AA	AA	INTERGENIC		
SNP_10886B_8088447	Ca_Kabuli_Chr03	NC_021162.1	8088447	GG	AA	AA	INTERGENIC		
SNP_10887B_8088452	Ca_Kabuli_Chr03	NC_021162.1	8088452	GG	AA	AA	INTERGENIC		
SNP_10888B_8088479	Ca_Kabuli_Chr03	NC_021162.1	8088479	AA	TT	TT	INTERGENIC		
SNP_10889B_8088480	Ca_Kabuli_Chr03	NC_021162.1	8088480	TT	CC	CC	INTERGENIC		
SNP_10890B_8088534	Ca_Kabuli_Chr03	NC_021162.1	8088534	AA	CC	CC	INTERGENIC		
SNP_10891B_8088586	Ca_Kabuli_Chr03	NC_021162.1	8088586	TT	CC	CC	INTERGENIC		
SNP_10892B_8089354	Ca_Kabuli_Chr03	NC_021162.1	8089354	AA	GG	GG	INTERGENIC		
SNP_10893B_8221970	Ca_Kabuli_Chr03	NC_021162.1	8221970	CC	AA	AA	INTERGENIC		
SNP_10894B_8221971	Ca_Kabuli_Chr03	NC_021162.1	8221971	AA	TT	TT	INTERGENIC		
SNP_10895B_8226093	Ca_Kabuli_Chr03	NC_021162.1	8226093	AA	GG	GG	INTERGENIC		
SNP_10896B_8234620	Ca_Kabuli_Chr03	NC_021162.1	8234620	AA	TT	TT	INTERGENIC		
SNP_10897B_8234984	Ca_Kabuli_Chr03	NC_021162.1	8234984	CC	TT	TT	INTERGENIC		
SNP_10898B_8241073	Ca_Kabuli_Chr03	NC_021162.1	8241073	AA	GG	GG	INTERGENIC		
SNP_10899B_8241086	Ca_Kabuli_Chr03	NC_021162.1	8241086	CC	TT	TT	INTERGENIC		
SNP_10900B_8241160	Ca_Kabuli_Chr03	NC_021162.1	8241160	CC	TT	TT	INTERGENIC		
SNP_10901B_8241839	Ca_Kabuli_Chr03	NC_021162.1	8241839	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_10902B_8241858	Ca_Kabuli_Chr03	NC_021162.1	8241858	TT	CC	CC	INTERGENIC		
SNP_10903B_8241880	Ca_Kabuli_Chr03	NC_021162.1	8241880	AA	GG	GG	INTERGENIC		
SNP_10905B_8245671	Ca_Kabuli_Chr03	NC_021162.1	8245671	AA	CC	CC	INTERGENIC		
SNP_10906B_8277187	Ca_Kabuli_Chr03	NC_021162.1	8277187	TT	CC	CC	INTERGENIC		
SNP_10907B_8277188	Ca_Kabuli_Chr03	NC_021162.1	8277188	CC	TT	TT	INTERGENIC		
SNP_10908B_8277711	Ca_Kabuli_Chr03	NC_021162.1	8277711	CC	TT	TT	INTERGENIC		
SNP_10909B_8304837	Ca_Kabuli_Chr03	NC_021162.1	8304837	TT	CC	CC	INTERGENIC		
SNP_10910B_8304850	Ca_Kabuli_Chr03	NC_021162.1	8304850	TT	CC	CC	INTERGENIC		
SNP_10911B_8306740	Ca_Kabuli_Chr03	NC_021162.1	8306740	TT	CC	CC	INTERGENIC		
SNP_10912B_8306785	Ca_Kabuli_Chr03	NC_021162.1	8306785	GG	AA	AA	INTERGENIC		
SNP_10913B_8306821	Ca_Kabuli_Chr03	NC_021162.1	8306821	CC	TT	TT	INTERGENIC		
SNP_10914B_8306845	Ca_Kabuli_Chr03	NC_021162.1	8306845	AA	GG	GG	INTERGENIC		
SNP_10915B_8339465	Ca_Kabuli_Chr03	NC_021162.1	8339465	AA	GG	GG	INTERGENIC		
SNP_10916B_8339473	Ca_Kabuli_Chr03	NC_021162.1	8339473	TT	CC	CC	INTERGENIC		
SNP_10917B_8360509	Ca_Kabuli_Chr03	NC_021162.1	8360509	GG	AA	AA	INTERGENIC		
SNP_10918B_8384120	Ca_Kabuli_Chr03	NC_021162.1	8384120	AA	TT	TT	INTERGENIC		
SNP_10920B_8413489	Ca_Kabuli_Chr03	NC_021162.1	8413489	TT	AA	AA	INTERGENIC		
SNP_10921B_8436767	Ca_Kabuli_Chr03	NC_021162.1	8436767	TT	CC	CC	INTRON	101495626	uncharacterized LOC101495626
SNP_10922B_8476023	Ca_Kabuli_Chr03	NC_021162.1	8476023	AA	CC	CC	URR	101493802	GDSL esterase/lipase At5g14450
SNP_10923B_8476025	Ca_Kabuli_Chr03	NC_021162.1	8476025	AA	GG	GG	URR	101493802	GDSL esterase/lipase At5g14450
SNP_10924B_8501119	Ca_Kabuli_Chr03	NC_021162.1	8501119	CC	GG	GG	INTERGENIC		
SNP_10925B_8501416	Ca_Kabuli_Chr03	NC_021162.1	8501416	AA	CC	CC	INTERGENIC		
SNP_10926B_8501451	Ca_Kabuli_Chr03	NC_021162.1	8501451	AA	GG	GG	INTERGENIC		
SNP_10927B_8501456	Ca_Kabuli_Chr03	NC_021162.1	8501456	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_10928B_8501466	Ca_Kabuli_Chr03	NC_021162.1	8501466	AA	GG	GG	INTERGENIC		
SNP_10929B_8501515	Ca_Kabuli_Chr03	NC_021162.1	8501515	CC	GG	GG	INTERGENIC		
SNP_10931B_8527527	Ca_Kabuli_Chr03	NC_021162.1	8527527	AA	GG	GG	INTERGENIC		
SNP_10932B_8527618	Ca_Kabuli_Chr03	NC_021162.1	8527618	GG	AA	AA	INTERGENIC		
SNP_10933B_8527761	Ca_Kabuli_Chr03	NC_021162.1	8527761	TT	CC	CC	INTERGENIC		
SNP_10934B_8534716	Ca_Kabuli_Chr03	NC_021162.1	8534716	GG	TT	TT	NON_SYNONYMOUS_CODING	id44425	Unknown function
SNP_10935B_8535045	Ca_Kabuli_Chr03	NC_021162.1	8535045	CC	TT	TT	NON_SYNONYMOUS_CODING	id44425	Unknown function
SNP_10936B_8535241	Ca_Kabuli_Chr03	NC_021162.1	8535241	AA	CC	CC	NON_SYNONYMOUS_CODING	id44425	Unknown function
SNP_10937B_8535291	Ca_Kabuli_Chr03	NC_021162.1	8535291	TT	CC	CC	NON_SYNONYMOUS_CODING	id44425	Unknown function
SNP_10938B_8535364	Ca_Kabuli_Chr03	NC_021162.1	8535364	TT	CC	CC	INTRON	id44425	Unknown function
SNP_10939B_8535369	Ca_Kabuli_Chr03	NC_021162.1	8535369	TT	CC	CC	INTRON	id44425	Unknown function
SNP_10940B_8535487	Ca_Kabuli_Chr03	NC_021162.1	8535487	GG	TT	TT	NON_SYNONYMOUS_CODING	id44425	Unknown function
SNP_10941B_8535510	Ca_Kabuli_Chr03	NC_021162.1	8535510	GG	CC	CC	INTRON	id44425	Unknown function
SNP_10942B_8535749	Ca_Kabuli_Chr03	NC_021162.1	8535749	AA	CC	CC	INTRON	id44425	Unknown function
SNP_10943B_8535779	Ca_Kabuli_Chr03	NC_021162.1	8535779	CC	TT	TT	NON_SYNONYMOUS_CODING	id44425	Unknown function
SNP_10944B_8535940	Ca_Kabuli_Chr03	NC_021162.1	8535940	AA	CC	CC	INTRON	id44425	Unknown function
SNP_10945B_8536213	Ca_Kabuli_Chr03	NC_021162.1	8536213	TT	CC	CC	NON_SYNONYMOUS_CODING	id44425	Unknown function
SNP_10946B_8536275	Ca_Kabuli_Chr03	NC_021162.1	8536275	CC	TT	TT	INTRON	id44425	Unknown function
SNP_10947B_8536568	Ca_Kabuli_Chr03	NC_021162.1	8536568	TT	CC	CC	INTRON	id44425	Unknown function
SNP_10948B_8545888	Ca_Kabuli_Chr03	NC_021162.1	8545888	GG	AA	AA	INTERGENIC		
SNP_10949B_8545898	Ca_Kabuli_Chr03	NC_021162.1	8545898	TT	CC	CC	INTERGENIC		
SNP_10950B_8545906	Ca_Kabuli_Chr03	NC_021162.1	8545906	AA	TT	TT	INTERGENIC		
SNP_10952B_8624718	Ca_Kabuli_Chr03	NC_021162.1	8624718	CC	TT	TT	INTERGENIC		
SNP_10953B_8651674	Ca_Kabuli_Chr03	NC_021162.1	8651674	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_10954B_8651691	Ca_Kabuli_Chr03	NC_021162.1	8651691	TT	GG	GG	INTERGENIC		
SNP_10955B_8651707	Ca_Kabuli_Chr03	NC_021162.1	8651707	CC	TT	TT	INTERGENIC		
SNP_10956B_8651767	Ca_Kabuli_Chr03	NC_021162.1	8651767	GG	AA	AA	INTERGENIC		
SNP_10957B_8656688	Ca_Kabuli_Chr03	NC_021162.1	8656688	GG	TT	TT	INTERGENIC		
SNP_10958B_8684165	Ca_Kabuli_Chr03	NC_021162.1	8684165	TT	CC	CC	INTERGENIC		
SNP_10959B_8718643	Ca_Kabuli_Chr03	NC_021162.1	8718643	GG	AA	AA	INTERGENIC		
SNP_10960B_8737612	Ca_Kabuli_Chr03	NC_021162.1	8737612	AA	CC	CC	INTRON	101500403	uncharacterized LOC101500403
SNP_10961B_8756665	Ca_Kabuli_Chr03	NC_021162.1	8756665	GG	AA	AA	INTERGENIC		
SNP_10963B_8795909	Ca_Kabuli_Chr03	NC_021162.1	8795909	GG	AA	AA	INTERGENIC		
SNP_10964B_8800981	Ca_Kabuli_Chr03	NC_021162.1	8800981	GG	AA	AA	INTERGENIC		
SNP_10965B_8823707	Ca_Kabuli_Chr03	NC_021162.1	8823707	AA	CC	CC	INTERGENIC		
SNP_10966B_8836868	Ca_Kabuli_Chr03	NC_021162.1	8836868	TT	CC	CC	INTERGENIC		
SNP_10967B_8941873	Ca_Kabuli_Chr03	NC_021162.1	8941873	AA	CC	CC	INTERGENIC		
SNP_10968B_8941919	Ca_Kabuli_Chr03	NC_021162.1	8941919	GG	CC	CC	INTERGENIC		
SNP_10970B_9041660	Ca_Kabuli_Chr03	NC_021162.1	9041660	TT	CC	CC	INTERGENIC		
SNP_10971B_9042199	Ca_Kabuli_Chr03	NC_021162.1	9042199	TT	AA	AA	INTERGENIC		
SNP_10972B_9060398	Ca_Kabuli_Chr03	NC_021162.1	9060398	TT	CC	CC	INTERGENIC		
SNP_10973B_9060444	Ca_Kabuli_Chr03	NC_021162.1	9060444	TT	CC	AA	INTERGENIC		
SNP_10974B_9060445	Ca_Kabuli_Chr03	NC_021162.1	9060445	AA	GG	GG	INTERGENIC		
SNP_10975B_9060506	Ca_Kabuli_Chr03	NC_021162.1	9060506	AA	TT	TT	INTERGENIC		
SNP_10976B_9060688	Ca_Kabuli_Chr03	NC_021162.1	9060688	CC	TT	TT	INTERGENIC		
SNP_10977B_9060937	Ca_Kabuli_Chr03	NC_021162.1	9060937	GG	AA	AA	INTERGENIC		
SNP_10978B_9063882	Ca_Kabuli_Chr03	NC_021162.1	9063882	CC	TT	TT	INTERGENIC		
SNP_10979B_9063884	Ca_Kabuli_Chr03	NC_021162.1	9063884	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_10980B_9063902	Ca_Kabuli_Chr03	NC_021162.1	9063902	CC	TT	TT	INTERGENIC		
SNP_10981B_9063911	Ca_Kabuli_Chr03	NC_021162.1	9063911	GG	AA	AA	INTERGENIC		
SNP_10982B_9063914	Ca_Kabuli_Chr03	NC_021162.1	9063914	CC	TT	TT	INTERGENIC		
SNP_10983B_9063938	Ca_Kabuli_Chr03	NC_021162.1	9063938	AA	GG	GG	INTERGENIC		
SNP_10984B_9063941	Ca_Kabuli_Chr03	NC_021162.1	9063941	TT	GG	GG	INTERGENIC		
SNP_10985B_9063944	Ca_Kabuli_Chr03	NC_021162.1	9063944	AA	GG	GG	INTERGENIC		
SNP_10987B_9063965	Ca_Kabuli_Chr03	NC_021162.1	9063965	GG	AA	AA	INTERGENIC		
SNP_10988B_9063974	Ca_Kabuli_Chr03	NC_021162.1	9063974	AA	GG	GG	INTERGENIC		
SNP_10989B_9063977	Ca_Kabuli_Chr03	NC_021162.1	9063977	TT	CC	CC	INTERGENIC		
SNP_10990B_9063994	Ca_Kabuli_Chr03	NC_021162.1	9063994	GG	TT	TT	INTERGENIC		
SNP_10991B_9064024	Ca_Kabuli_Chr03	NC_021162.1	9064024	AA	GG	GG	INTERGENIC		
SNP_10992B_9064026	Ca_Kabuli_Chr03	NC_021162.1	9064026	AA	GG	GG	INTERGENIC		
SNP_10993B_9064027	Ca_Kabuli_Chr03	NC_021162.1	9064027	TT	CC	CC	INTERGENIC		
SNP_10994B_9064103	Ca_Kabuli_Chr03	NC_021162.1	9064103	TT	CC	CC	INTERGENIC		
SNP_10995B_9067061	Ca_Kabuli_Chr03	NC_021162.1	9067061	CC	TT	TT	INTERGENIC		
SNP_10996B_9067330	Ca_Kabuli_Chr03	NC_021162.1	9067330	AA	GG	GG	INTERGENIC		
SNP_10997B_9067342	Ca_Kabuli_Chr03	NC_021162.1	9067342	GG	CC	CC	INTERGENIC		
SNP_10998B_9067373	Ca_Kabuli_Chr03	NC_021162.1	9067373	AA	GG	GG	INTERGENIC		
SNP_10999B_9067400	Ca_Kabuli_Chr03	NC_021162.1	9067400	AA	GG	GG	INTERGENIC		
SNP_11000B_9067425	Ca_Kabuli_Chr03	NC_021162.1	9067425	AA	GG	GG	INTERGENIC		
SNP_11001B_9144617	Ca_Kabuli_Chr03	NC_021162.1	9144617	AA	GG	GG	NON_SYNONYMOUS_CODING	id44551	Unknown function
SNP_11002B_9144640	Ca_Kabuli_Chr03	NC_021162.1	9144640	GG	CC	CC	NON_SYNONYMOUS_CODING	id44551	Unknown function
SNP_11003B_9185409	Ca_Kabuli_Chr03	NC_021162.1	9185409	AA	GG	GG	URR	101507158	uncharacterized LOC101507158
SNP_11005B_9193474	Ca_Kabuli_Chr03	NC_021162.1	9193474	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11006B_9195641	Ca_Kabuli_Chr03	NC_021162.1	9195641	TT	GG	GG	INTERGENIC		
SNP_11007B_9196013	Ca_Kabuli_Chr03	NC_021162.1	9196013	AA	GG	GG	INTERGENIC		
SNP_11008B_9229271	Ca_Kabuli_Chr03	NC_021162.1	9229271	AA	CC	CC	INTERGENIC		
SNP_11009B_9229866	Ca_Kabuli_Chr03	NC_021162.1	9229866	TT	CC	CC	INTERGENIC		
SNP_11010B_9236240	Ca_Kabuli_Chr03	NC_021162.1	9236240	GG	AA	AA	INTRON	101507996	uncharacterized LOC101507996
SNP_11012B_9290195	Ca_Kabuli_Chr03	NC_021162.1	9290195	CC	TT	TT	INTERGENIC		
SNP_11013B_9305229	Ca_Kabuli_Chr03	NC_021162.1	9305229	TT	GG	GG	URR	101510118	ADP-ribosylation factor GTPase-activating protein AGD3
SNP_11014B_9305235	Ca_Kabuli_Chr03	NC_021162.1	9305235	TT	CC	CC	URR	101510118	ADP-ribosylation factor GTPase-activating protein AGD3
SNP_11015B_9374977	Ca_Kabuli_Chr03	NC_021162.1	9374977	GG	TT	TT	INTERGENIC		
SNP_11016B_9399930	Ca_Kabuli_Chr03	NC_021162.1	9399930	TT	AA	AA	INTERGENIC		
SNP_11017B_9405463	Ca_Kabuli_Chr03	NC_021162.1	9405463	TT	AA	AA	INTERGENIC		
SNP_11018B_9416331	Ca_Kabuli_Chr03	NC_021162.1	9416331	AA	GG	GG	INTERGENIC		
SNP_11019B_9416333	Ca_Kabuli_Chr03	NC_021162.1	9416333	TT	AA	AA	INTERGENIC		
SNP_11021B_9429335	Ca_Kabuli_Chr03	NC_021162.1	9429335	GG	TT	TT	INTERGENIC		
SNP_11022B_9429651	Ca_Kabuli_Chr03	NC_021162.1	9429651	AA	GG	GG	INTERGENIC		
SNP_11023B_9429673	Ca_Kabuli_Chr03	NC_021162.1	9429673	AA	GG	GG	INTERGENIC		
SNP_11024B_9429684	Ca_Kabuli_Chr03	NC_021162.1	9429684	CC	TT	TT	INTERGENIC		
SNP_11025B_9429779	Ca_Kabuli_Chr03	NC_021162.1	9429779	TT	CC	CC	INTERGENIC		
SNP_11026B_9465401	Ca_Kabuli_Chr03	NC_021162.1	9465401	CC	TT	TT	INTERGENIC		
SNP_11028B_9501682	Ca_Kabuli_Chr03	NC_021162.1	9501682	AA	CC	CC	INTERGENIC		
SNP_11029B_9501698	Ca_Kabuli_Chr03	NC_021162.1	9501698	AA	CC	CC	INTERGENIC		
SNP_11030B_9577875	Ca_Kabuli_Chr03	NC_021162.1	9577875	AA	GG	GG	URR	101513994	uncharacterized LOC101513994
SNP_11031B_9577902	Ca_Kabuli_Chr03	NC_021162.1	9577902	CC	GG	GG	URR	101513994	uncharacterized LOC101513994
SNP_11032B_9578032	Ca_Kabuli_Chr03	NC_021162.1	9578032	TT	CC	CC	URR	101513994	uncharacterized LOC101513994

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11033B_9578264	Ca_Kabuli_Chr03	NC_021162.1	9578264	TT	CC	CC	URR	101513994	uncharacterized LOC101513994
SNP_11034B_9578341	Ca_Kabuli_Chr03	NC_021162.1	9578341	TT	GG	GG	URR	101513994	uncharacterized LOC101513994
SNP_11035B_9578346	Ca_Kabuli_Chr03	NC_021162.1	9578346	TT	CC	CC	URR	101513994	uncharacterized LOC101513994
SNP_11036B_9578412	Ca_Kabuli_Chr03	NC_021162.1	9578412	TT	GG	GG	URR	101513994	uncharacterized LOC101513994
SNP_11037B_9578688	Ca_Kabuli_Chr03	NC_021162.1	9578688	AA	GG	GG	URR	101513994	uncharacterized LOC101513994
SNP_11038B_9578703	Ca_Kabuli_Chr03	NC_021162.1	9578703	GG	TT	TT	URR	101513994	uncharacterized LOC101513994
SNP_11039B_9578841	Ca_Kabuli_Chr03	NC_021162.1	9578841	CC	TT	TT	URR	101513994	uncharacterized LOC101513994
SNP_11040B_9584412	Ca_Kabuli_Chr03	NC_021162.1	9584412	GG	AA	AA	URR	101513340	Unknown function
SNP_11041B_9584535	Ca_Kabuli_Chr03	NC_021162.1	9584535	CC	AA	AA	URR	101513340	Unknown function
SNP_11042B_9584554	Ca_Kabuli_Chr03	NC_021162.1	9584554	AA	TT	TT	URR	101513340	Unknown function
SNP_11043B_9584556	Ca_Kabuli_Chr03	NC_021162.1	9584556	TT	AA	AA	URR	101513340	Unknown function
SNP_11044B_9584557	Ca_Kabuli_Chr03	NC_021162.1	9584557	CC	AA	AA	URR	101513340	Unknown function
SNP_11045B_9584677	Ca_Kabuli_Chr03	NC_021162.1	9584677	AA	GG	GG	URR	101513340	Unknown function
SNP_11046B_9584678	Ca_Kabuli_Chr03	NC_021162.1	9584678	CC	AA	AA	URR	101513340	Unknown function
SNP_11047B_9650559	Ca_Kabuli_Chr03	NC_021162.1	9650559	GG	AA	AA	INTERGENIC		
SNP_11048B_9650583	Ca_Kabuli_Chr03	NC_021162.1	9650583	TT	CC	CC	INTERGENIC		
SNP_11050B_9785165	Ca_Kabuli_Chr03	NC_021162.1	9785165	TT	CC	CC	INTERGENIC		
SNP_11051B_9785182	Ca_Kabuli_Chr03	NC_021162.1	9785182	AA	TT	TT	INTERGENIC		
SNP_11052B_9922032	Ca_Kabuli_Chr03	NC_021162.1	9922032	AA	TT	TT	INTERGENIC		
SNP_11053B_9940409	Ca_Kabuli_Chr03	NC_021162.1	9940409	TT	CC	CC	INTRON	101501253	auxin-induced protein PCNT115-like
SNP_11054B_9953150	Ca_Kabuli_Chr03	NC_021162.1	9953150	TT	CC	CC	INTRON	101501253	auxin-induced protein PCNT115-like
SNP_11056B_9967426	Ca_Kabuli_Chr03	NC_021162.1	9967426	GG	TT	TT	INTRON	101501253	auxin-induced protein PCNT115-like
SNP_11057B_9967749	Ca_Kabuli_Chr03	NC_021162.1	9967749	TT	CC	CC	INTRON	101501253	auxin-induced protein PCNT115-like
SNP_11058B_9967750	Ca_Kabuli_Chr03	NC_021162.1	9967750	AA	TT	TT	INTRON	101501253	auxin-induced protein PCNT115-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11059B_9968623	Ca_Kabuli_Chr03	NC_021162.1	9968623	GG	AA	AA	INTRON	101501253	auxin-induced protein PCNT115-like
SNP_11060B_10013132	Ca_Kabuli_Chr03	NC_021162.1	10013132	TT	GG	GG	INTERGENIC		
SNP_11061B_10026450	Ca_Kabuli_Chr03	NC_021162.1	10026450	CC	AA	AA	INTERGENIC		
SNP_11062B_10026736	Ca_Kabuli_Chr03	NC_021162.1	10026736	GG	AA	AA	INTERGENIC		
SNP_11063B_10079833	Ca_Kabuli_Chr03	NC_021162.1	10079833	TT	CC	CC	INTERGENIC		
SNP_11064B_10094657	Ca_Kabuli_Chr03	NC_021162.1	10094657	AA	GG	GG	URR	101501876	Unknown function
SNP_11065B_10095161	Ca_Kabuli_Chr03	NC_021162.1	10095161	GG	TT	TT	URR	101501876	Unknown function
SNP_11066B_10159074	Ca_Kabuli_Chr03	NC_021162.1	10159074	AA	GG	GG	INTERGENIC		
SNP_11067B_10159272	Ca_Kabuli_Chr03	NC_021162.1	10159272	CC	TT	TT	INTERGENIC		
SNP_11068B_10159277	Ca_Kabuli_Chr03	NC_021162.1	10159277	CC	TT	TT	INTERGENIC		
SNP_11070B_10159607	Ca_Kabuli_Chr03	NC_021162.1	10159607	AA	GG	GG	INTERGENIC		
SNP_11071B_10159630	Ca_Kabuli_Chr03	NC_021162.1	10159630	TT	CC	CC	INTERGENIC		
SNP_11072B_10159639	Ca_Kabuli_Chr03	NC_021162.1	10159639	TT	CC	CC	INTERGENIC		
SNP_11073B_10159665	Ca_Kabuli_Chr03	NC_021162.1	10159665	GG	AA	AA	INTERGENIC		
SNP_11075B_10159709	Ca_Kabuli_Chr03	NC_021162.1	10159709	AA	CC	CC	INTERGENIC		
SNP_11076B_10159710	Ca_Kabuli_Chr03	NC_021162.1	10159710	TT	CC	CC	INTERGENIC		
SNP_11077B_10159714	Ca_Kabuli_Chr03	NC_021162.1	10159714	TT	CC	CC	INTERGENIC		
SNP_11078B_10159787	Ca_Kabuli_Chr03	NC_021162.1	10159787	AA	CC	CC	INTERGENIC		
SNP_11079B_10159795	Ca_Kabuli_Chr03	NC_021162.1	10159795	TT	GG	GG	INTERGENIC		
SNP_11080B_10159812	Ca_Kabuli_Chr03	NC_021162.1	10159812	AA	GG	GG	INTERGENIC		
SNP_11081B_10159818	Ca_Kabuli_Chr03	NC_021162.1	10159818	TT	CC	CC	INTERGENIC		
SNP_11082B_10159822	Ca_Kabuli_Chr03	NC_021162.1	10159822	TT	CC	CC	INTERGENIC		
SNP_11083B_10169165	Ca_Kabuli_Chr03	NC_021162.1	10169165	GG	AA	AA	INTERGENIC		
SNP_11084B_10169196	Ca_Kabuli_Chr03	NC_021162.1	10169196	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11085B_10169224	Ca_Kabuli_Chr03	NC_021162.1	10169224	AA	GG	GG	INTERGENIC		
SNP_11086B_10169335	Ca_Kabuli_Chr03	NC_021162.1	10169335	TT	CC	CC	INTERGENIC		
SNP_11087B_10169512	Ca_Kabuli_Chr03	NC_021162.1	10169512	AA	GG	GG	INTERGENIC		
SNP_11088B_10169553	Ca_Kabuli_Chr03	NC_021162.1	10169553	AA	CC	CC	INTERGENIC		
SNP_11089B_10169594	Ca_Kabuli_Chr03	NC_021162.1	10169594	TT	CC	CC	INTERGENIC		
SNP_11090B_10169615	Ca_Kabuli_Chr03	NC_021162.1	10169615	AA	GG	GG	INTERGENIC		
SNP_11091B_10169627	Ca_Kabuli_Chr03	NC_021162.1	10169627	TT	CC	CC	INTERGENIC		
SNP_11092B_10169685	Ca_Kabuli_Chr03	NC_021162.1	10169685	GG	CC	CC	INTERGENIC		
SNP_11093B_10180372	Ca_Kabuli_Chr03	NC_021162.1	10180372	GG	TT	TT	INTERGENIC		
SNP_11094B_10184259	Ca_Kabuli_Chr03	NC_021162.1	10184259	AA	GG	GG	INTERGENIC		
SNP_11095B_10184514	Ca_Kabuli_Chr03	NC_021162.1	10184514	TT	CC	CC	INTERGENIC		
SNP_11096B_10184519	Ca_Kabuli_Chr03	NC_021162.1	10184519	AA	TT	TT	INTERGENIC		
SNP_11097B_10184523	Ca_Kabuli_Chr03	NC_021162.1	10184523	TT	CC	CC	INTERGENIC		
SNP_11098B_10184548	Ca_Kabuli_Chr03	NC_021162.1	10184548	AA	CC	CC	INTERGENIC		
SNP_11099B_10184968	Ca_Kabuli_Chr03	NC_021162.1	10184968	AA	GG	GG	INTERGENIC		
SNP_11100B_10188632	Ca_Kabuli_Chr03	NC_021162.1	10188632	GG	CC	CC	INTERGENIC		
SNP_11101B_10188638	Ca_Kabuli_Chr03	NC_021162.1	10188638	TT	AA	AA	INTERGENIC		
SNP_11102B_10255319	Ca_Kabuli_Chr03	NC_021162.1	10255319	AA	GG	GG	DRR	101502520	Unknown function
SNP_11103B_10255377	Ca_Kabuli_Chr03	NC_021162.1	10255377	AA	GG	GG	DRR	101502520	Unknown function
SNP_11104B_10255381	Ca_Kabuli_Chr03	NC_021162.1	10255381	TT	CC	CC	DRR	101502520	Unknown function
SNP_11105B_10255392	Ca_Kabuli_Chr03	NC_021162.1	10255392	TT	CC	CC	DRR	101502520	Unknown function
SNP_11106B_10255395	Ca_Kabuli_Chr03	NC_021162.1	10255395	TT	CC	CC	DRR	101502520	Unknown function
SNP_11107B_10255405	Ca_Kabuli_Chr03	NC_021162.1	10255405	AA	GG	GG	DRR	101502520	Unknown function
SNP_11108B_10342271	Ca_Kabuli_Chr03	NC_021162.1	10342271	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11109B_10342292	Ca_Kabuli_Chr03	NC_021162.1	10342292	GG	AA	AA	INTERGENIC		
SNP_11110B_10342294	Ca_Kabuli_Chr03	NC_021162.1	10342294	CC	TT	TT	INTERGENIC		
SNP_11111B_10342694	Ca_Kabuli_Chr03	NC_021162.1	10342694	AA	CC	CC	INTERGENIC		
SNP_11112B_10389490	Ca_Kabuli_Chr03	NC_021162.1	10389490	TT	GG	GG	INTERGENIC		
SNP_11114B_10404263	Ca_Kabuli_Chr03	NC_021162.1	10404263	CC	TT	TT	URR	101503811	uncharacterized LOC101503811
SNP_11115B_10498584	Ca_Kabuli_Chr03	NC_021162.1	10498584	TT	AA	AA	INTERGENIC		
SNP_11116B_10505142	Ca_Kabuli_Chr03	NC_021162.1	10505142	AA	CC	CC	INTERGENIC		
SNP_11117B_10514950	Ca_Kabuli_Chr03	NC_021162.1	10514950	AA	CC	CC	INTERGENIC		
SNP_11118B_10514958	Ca_Kabuli_Chr03	NC_021162.1	10514958	AA	CC	CC	INTERGENIC		
SNP_11119B_10594902	Ca_Kabuli_Chr03	NC_021162.1	10594902	CC	TT	TT	INTERGENIC		
SNP_11120B_10608739	Ca_Kabuli_Chr03	NC_021162.1	10608739	AA	GG	GG	INTERGENIC		
SNP_11121B_10663701	Ca_Kabuli_Chr03	NC_021162.1	10663701	TT	AA	AA	INTERGENIC		
SNP_11122B_10670635	Ca_Kabuli_Chr03	NC_021162.1	10670635	AA	GG	GG	SYNONYMOUS_CODING	101506375	Unknown function
SNP_11123B_10670905	Ca_Kabuli_Chr03	NC_021162.1	10670905	TT	CC	CC	SYNONYMOUS_CODING	101506375	Unknown function
SNP_11125B_10851683	Ca_Kabuli_Chr03	NC_021162.1	10851683	GG	AA	AA	INTERGENIC		
SNP_11126B_10851895	Ca_Kabuli_Chr03	NC_021162.1	10851895	AA	GG	GG	INTERGENIC		
SNP_11127B_10851958	Ca_Kabuli_Chr03	NC_021162.1	10851958	AA	GG	GG	INTERGENIC		
SNP_11128B_10851994	Ca_Kabuli_Chr03	NC_021162.1	10851994	AA	GG	GG	INTERGENIC		
SNP_11129B_10858765	Ca_Kabuli_Chr03	NC_021162.1	10858765	TT	GG	GG	DRR	101508517	beta-hexosaminidase 1-like
SNP_11130B_10858767	Ca_Kabuli_Chr03	NC_021162.1	10858767	TT	AA	AA	DRR	101508517	beta-hexosaminidase 1-like
SNP_11131B_10922915	Ca_Kabuli_Chr03	NC_021162.1	10922915	TT	GG	GG	URR	101515508	mucin-5AC-like
SNP_11132B_10923019	Ca_Kabuli_Chr03	NC_021162.1	10923019	TT	AA	AA	URR	101515508	mucin-5AC-like
SNP_11133B_10923031	Ca_Kabuli_Chr03	NC_021162.1	10923031	AA	GG	GG	URR	101515508	mucin-5AC-like
SNP_11134B_10923111	Ca_Kabuli_Chr03	NC_021162.1	10923111	AA	GG	GG	URR	101515508	mucin-5AC-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11135B_10923130	Ca_Kabuli_Chr03	NC_021162.1	10923130	TT	AA	AA	URR	101515508	mucin-5AC-like
SNP_11136B_10923148	Ca_Kabuli_Chr03	NC_021162.1	10923148	AA	GG	GG	URR	101515508	mucin-5AC-like
SNP_11139B_10923181	Ca_Kabuli_Chr03	NC_021162.1	10923181	GG	AA	AA	URR	101515508	mucin-5AC-like
SNP_11140B_10923184	Ca_Kabuli_Chr03	NC_021162.1	10923184	AA	GG	GG	URR	101515508	mucin-5AC-like
SNP_11142B_10923478	Ca_Kabuli_Chr03	NC_021162.1	10923478	AA	GG	GG	URR	101515508	mucin-5AC-like
SNP_11143B_10954227	Ca_Kabuli_Chr03	NC_021162.1	10954227	TT	CC	CC	INTERGENIC		
SNP_11144B_10954463	Ca_Kabuli_Chr03	NC_021162.1	10954463	GG	TT	TT	INTERGENIC		
SNP_11145B_10954473	Ca_Kabuli_Chr03	NC_021162.1	10954473	AA	GG	GG	INTERGENIC		
SNP_11146B_10954524	Ca_Kabuli_Chr03	NC_021162.1	10954524	CC	TT	TT	INTERGENIC		
SNP_11147B_11080124	Ca_Kabuli_Chr03	NC_021162.1	11080124	AA	CC	CC	INTERGENIC		
SNP_11148B_11142866	Ca_Kabuli_Chr03	NC_021162.1	11142866	AA	CC	CC	INTERGENIC		
SNP_11149B_11142872	Ca_Kabuli_Chr03	NC_021162.1	11142872	TT	CC	CC	INTERGENIC		
SNP_11150B_11142907	Ca_Kabuli_Chr03	NC_021162.1	11142907	AA	CC	CC	INTERGENIC		
SNP_11151B_11142945	Ca_Kabuli_Chr03	NC_021162.1	11142945	TT	CC	CC	INTERGENIC		
SNP_11152B_11146412	Ca_Kabuli_Chr03	NC_021162.1	11146412	GG	TT	TT	INTERGENIC		
SNP_11153B_11146484	Ca_Kabuli_Chr03	NC_021162.1	11146484	CC	GG	GG	INTERGENIC		
SNP_11154B_11146629	Ca_Kabuli_Chr03	NC_021162.1	11146629	CC	TT	TT	INTERGENIC		
SNP_11155B_11147057	Ca_Kabuli_Chr03	NC_021162.1	11147057	AA	CC	CC	INTERGENIC		
SNP_11156B_11147063	Ca_Kabuli_Chr03	NC_021162.1	11147063	TT	GG	GG	INTERGENIC		
SNP_11157B_11262813	Ca_Kabuli_Chr03	NC_021162.1	11262813	TT	GG	GG	INTERGENIC		
SNP_11158B_11262847	Ca_Kabuli_Chr03	NC_021162.1	11262847	GG	AA	AA	INTERGENIC		
SNP_11159B_11263152	Ca_Kabuli_Chr03	NC_021162.1	11263152	CC	TT	TT	INTERGENIC		
SNP_11160B_11282458	Ca_Kabuli_Chr03	NC_021162.1	11282458	AA	GG	GG	INTERGENIC		
SNP_11161B_11322621	Ca_Kabuli_Chr03	NC_021162.1	11322621	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11162B_11326762	Ca_Kabuli_Chr03	NC_021162.1	11326762	TT	CC	CC	INTERGENIC		
SNP_11163B_11326798	Ca_Kabuli_Chr03	NC_021162.1	11326798	AA	GG	GG	INTERGENIC		
SNP_11165B_11465059	Ca_Kabuli_Chr03	NC_021162.1	11465059	AA	GG	GG	INTRON	101492158	uncharacterized LOC101492158
SNP_11166B_11465093	Ca_Kabuli_Chr03	NC_021162.1	11465093	AA	TT	TT	INTRON	101492158	uncharacterized LOC101492158
SNP_11167B_11497986	Ca_Kabuli_Chr03	NC_021162.1	11497986	CC	TT	TT	INTERGENIC		
SNP_11168B_11498020	Ca_Kabuli_Chr03	NC_021162.1	11498020	AA	TT	TT	INTERGENIC		
SNP_11169B_11498215	Ca_Kabuli_Chr03	NC_021162.1	11498215	TT	GG	GG	INTERGENIC		
SNP_11170B_11498275	Ca_Kabuli_Chr03	NC_021162.1	11498275	TT	CC	CC	INTERGENIC		
SNP_11171B_11498292	Ca_Kabuli_Chr03	NC_021162.1	11498292	TT	CC	CC	INTERGENIC		
SNP_11172B_11498307	Ca_Kabuli_Chr03	NC_021162.1	11498307	TT	CC	CC	INTERGENIC		
SNP_11173B_11498315	Ca_Kabuli_Chr03	NC_021162.1	11498315	GG	AA	AA	INTERGENIC		
SNP_11174B_11498329	Ca_Kabuli_Chr03	NC_021162.1	11498329	CC	TT	TT	INTERGENIC		
SNP_11175B_11501251	Ca_Kabuli_Chr03	NC_021162.1	11501251	CC	TT	TT	INTERGENIC		
SNP_11176B_11501252	Ca_Kabuli_Chr03	NC_021162.1	11501252	TT	CC	CC	INTERGENIC		
SNP_11178B_11527391	Ca_Kabuli_Chr03	NC_021162.1	11527391	AA	GG	GG	INTERGENIC		
SNP_11179B_11527509	Ca_Kabuli_Chr03	NC_021162.1	11527509	AA	TT	TT	INTERGENIC		
SNP_11180B_11527511	Ca_Kabuli_Chr03	NC_021162.1	11527511	AA	GG	GG	INTERGENIC		
SNP_11181B_11527535	Ca_Kabuli_Chr03	NC_021162.1	11527535	AA	GG	GG	INTERGENIC		
SNP_11182B_11527576	Ca_Kabuli_Chr03	NC_021162.1	11527576	AA	GG	GG	INTERGENIC		
SNP_11183B_11527752	Ca_Kabuli_Chr03	NC_021162.1	11527752	AA	CC	CC	INTERGENIC		
SNP_11184B_11527832	Ca_Kabuli_Chr03	NC_021162.1	11527832	AA	GG	GG	INTERGENIC		
SNP_11185B_11527905	Ca_Kabuli_Chr03	NC_021162.1	11527905	AA	GG	GG	INTERGENIC		
SNP_11186B_11527927	Ca_Kabuli_Chr03	NC_021162.1	11527927	AA	GG	GG	INTERGENIC		
SNP_11187B_11528043	Ca_Kabuli_Chr03	NC_021162.1	11528043	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11189B_11586551	Ca_Kabuli_Chr03	NC_021162.1	11586551	GG	AA	AA	INTERGENIC		
SNP_11190B_11586578	Ca_Kabuli_Chr03	NC_021162.1	11586578	TT	CC	CC	INTERGENIC		
SNP_11191B_11608356	Ca_Kabuli_Chr03	NC_021162.1	11608356	CC	TT	TT	INTERGENIC		
SNP_11192B_11714815	Ca_Kabuli_Chr03	NC_021162.1	11714815	CC	TT	TT	INTERGENIC		
SNP_11193B_11765226	Ca_Kabuli_Chr03	NC_021162.1	11765226	AA	TT	TT	INTERGENIC		
SNP_11194B_11773670	Ca_Kabuli_Chr03	NC_021162.1	11773670	GG	AA	AA	INTERGENIC		
SNP_11195B_11774111	Ca_Kabuli_Chr03	NC_021162.1	11774111	AA	TT	TT	INTERGENIC		
SNP_11196B_11774261	Ca_Kabuli_Chr03	NC_021162.1	11774261	GG	AA	AA	INTERGENIC		
SNP_11197B_11774312	Ca_Kabuli_Chr03	NC_021162.1	11774312	AA	GG	GG	INTERGENIC		
SNP_11198B_11774315	Ca_Kabuli_Chr03	NC_021162.1	11774315	TT	CC	CC	INTERGENIC		
SNP_11199B_11806397	Ca_Kabuli_Chr03	NC_021162.1	11806397	GG	AA	AA	INTRON	101514217	uncharacterized LOC101514217
SNP_11200B_11830671	Ca_Kabuli_Chr03	NC_021162.1	11830671	TT	AA	AA	INTERGENIC		
SNP_11201B_11830855	Ca_Kabuli_Chr03	NC_021162.1	11830855	TT	CC	CC	INTERGENIC		
SNP_11202B_11888175	Ca_Kabuli_Chr03	NC_021162.1	11888175	GG	CC	CC	INTERGENIC		
SNP_11204B_11950220	Ca_Kabuli_Chr03	NC_021162.1	11950220	TT	CC	CC	INTERGENIC		
SNP_11205B_11950231	Ca_Kabuli_Chr03	NC_021162.1	11950231	CC	AA	AA	INTERGENIC		
SNP_11206B_11950263	Ca_Kabuli_Chr03	NC_021162.1	11950263	CC	TT	TT	INTERGENIC		
SNP_11207B_11950495	Ca_Kabuli_Chr03	NC_021162.1	11950495	CC	TT	TT	INTERGENIC		
SNP_11208B_12002724	Ca_Kabuli_Chr03	NC_021162.1	12002724	GG	AA	AA	INTERGENIC		
SNP_11209B_12027024	Ca_Kabuli_Chr03	NC_021162.1	12027024	TT	GG	GG	URR	101498695	nucleobase-ascorbate transporter 2-like
SNP_11210B_12032069	Ca_Kabuli_Chr03	NC_021162.1	12032069	CC	AA	AA	INTERGENIC		
SNP_11211B_12032125	Ca_Kabuli_Chr03	NC_021162.1	12032125	AA	TT	TT	INTERGENIC		
SNP_11212B_12034162	Ca_Kabuli_Chr03	NC_021162.1	12034162	TT	CC	CC	INTERGENIC		
SNP_11213B_12080826	Ca_Kabuli_Chr03	NC_021162.1	12080826	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11214B_12081071	Ca_Kabuli_Chr03	NC_021162.1	12081071	CC	AA	AA	INTERGENIC		
SNP_11215B_12111477	Ca_Kabuli_Chr03	NC_021162.1	12111477	CC	TT	TT	INTERGENIC		
SNP_11216B_12111545	Ca_Kabuli_Chr03	NC_021162.1	12111545	CC	TT	TT	INTERGENIC		
SNP_11217B_12111753	Ca_Kabuli_Chr03	NC_021162.1	12111753	AA	TT	TT	INTERGENIC		
SNP_11218B_12111758	Ca_Kabuli_Chr03	NC_021162.1	12111758	TT	AA	AA	INTERGENIC		
SNP_11219B_12111759	Ca_Kabuli_Chr03	NC_021162.1	12111759	TT	CC	CC	INTERGENIC		
SNP_11220B_12111760	Ca_Kabuli_Chr03	NC_021162.1	12111760	TT	AA	AA	INTERGENIC		
SNP_11221B_12127557	Ca_Kabuli_Chr03	NC_021162.1	12127557	CC	TT	TT	INTERGENIC		
SNP_11222B_12197360	Ca_Kabuli_Chr03	NC_021162.1	12197360	TT	AA	AA	INTERGENIC		
SNP_11223B_12208945	Ca_Kabuli_Chr03	NC_021162.1	12208945	AA	GG	GG	INTERGENIC		
SNP_11224B_12239571	Ca_Kabuli_Chr03	NC_021162.1	12239571	CC	AA	AA	INTERGENIC		
SNP_11225B_12345910	Ca_Kabuli_Chr03	NC_021162.1	12345910	CC	AA	AA	INTERGENIC		
SNP_11226B_12345921	Ca_Kabuli_Chr03	NC_021162.1	12345921	CC	AA	AA	INTERGENIC		
SNP_11227B_12345927	Ca_Kabuli_Chr03	NC_021162.1	12345927	CC	TT	TT	INTERGENIC		
SNP_11228B_12345942	Ca_Kabuli_Chr03	NC_021162.1	12345942	GG	AA	AA	INTERGENIC		
SNP_11229B_12348432	Ca_Kabuli_Chr03	NC_021162.1	12348432	AA	TT	TT	INTERGENIC		
SNP_11230B_12387488	Ca_Kabuli_Chr03	NC_021162.1	12387488	TT	CC	CC	INTERGENIC		
SNP_11231B_12387519	Ca_Kabuli_Chr03	NC_021162.1	12387519	GG	AA	AA	INTERGENIC		
SNP_11232B_12387588	Ca_Kabuli_Chr03	NC_021162.1	12387588	AA	GG	GG	INTERGENIC		
SNP_11233B_12387668	Ca_Kabuli_Chr03	NC_021162.1	12387668	TT	CC	CC	INTERGENIC		
SNP_11234B_12387698	Ca_Kabuli_Chr03	NC_021162.1	12387698	TT	CC	CC	INTERGENIC		
SNP_11235B_12423576	Ca_Kabuli_Chr03	NC_021162.1	12423576	CC	TT	TT	URR	101506268	serine/threonine-protein phosphatase 7 long form homolog
SNP_11236B_12438400	Ca_Kabuli_Chr03	NC_021162.1	12438400	TT	CC	CC	INTERGENIC		
SNP_11237B_12549704	Ca_Kabuli_Chr03	NC_021162.1	12549704	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11239B_12560207	Ca_Kabuli_Chr03	NC_021162.1	12560207	CC	TT	TT	INTERGENIC		
SNP_11240B_12566658	Ca_Kabuli_Chr03	NC_021162.1	12566658	CC	GG	GG	INTERGENIC		
SNP_11241B_12581204	Ca_Kabuli_Chr03	NC_021162.1	12581204	GG	TT	TT	INTERGENIC		
SNP_11242B_12581217	Ca_Kabuli_Chr03	NC_021162.1	12581217	GG	AA	AA	INTERGENIC		
SNP_11243B_12582006	Ca_Kabuli_Chr03	NC_021162.1	12582006	AA	TT	TT	INTERGENIC		
SNP_11244B_12603691	Ca_Kabuli_Chr03	NC_021162.1	12603691	TT	GG	GG	INTERGENIC		
SNP_11245B_12660292	Ca_Kabuli_Chr03	NC_021162.1	12660292	TT	AA	AA	INTERGENIC		
SNP_11246B_12676974	Ca_Kabuli_Chr03	NC_021162.1	12676974	CC	TT	TT	INTERGENIC		
SNP_11247B_12683926	Ca_Kabuli_Chr03	NC_021162.1	12683926	CC	TT	TT	INTERGENIC		
SNP_11248B_12683930	Ca_Kabuli_Chr03	NC_021162.1	12683930	GG	AA	AA	INTERGENIC		
SNP_11249B_12699638	Ca_Kabuli_Chr03	NC_021162.1	12699638	GG	AA	AA	INTERGENIC		
SNP_11250B_12714262	Ca_Kabuli_Chr03	NC_021162.1	12714262	AA	CC	CC	DRR	101502521	Unknown function
SNP_11251B_12714346	Ca_Kabuli_Chr03	NC_021162.1	12714346	TT	GG	GG	DRR	101502521	Unknown function
SNP_11253B_12739850	Ca_Kabuli_Chr03	NC_021162.1	12739850	GG	CC	CC	INTERGENIC		
SNP_11254B_12739882	Ca_Kabuli_Chr03	NC_021162.1	12739882	AA	GG	GG	INTERGENIC		
SNP_11255B_12740154	Ca_Kabuli_Chr03	NC_021162.1	12740154	AA	GG	GG	INTERGENIC		
SNP_11256B_12740161	Ca_Kabuli_Chr03	NC_021162.1	12740161	TT	CC	CC	INTERGENIC		
SNP_11257B_12808902	Ca_Kabuli_Chr03	NC_021162.1	12808902	GG	AA	AA	INTRON	101502827	kinesin-like protein KIF19
SNP_11258B_12814456	Ca_Kabuli_Chr03	NC_021162.1	12814456	GG	AA	AA	INTERGENIC		
SNP_11259B_12823624	Ca_Kabuli_Chr03	NC_021162.1	12823624	TT	CC	CC	INTERGENIC		
SNP_11260B_12823998	Ca_Kabuli_Chr03	NC_021162.1	12823998	AA	GG	GG	INTERGENIC		
SNP_11261B_12922667	Ca_Kabuli_Chr03	NC_021162.1	12922667	AA	CC	CC	INTERGENIC		
SNP_11262B_12969802	Ca_Kabuli_Chr03	NC_021162.1	12969802	TT	AA	AA	INTERGENIC		
SNP_11264B_12993773	Ca_Kabuli_Chr03	NC_021162.1	12993773	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11265B_12993777	Ca_Kabuli_Chr03	NC_021162.1	12993777	TT	CC	CC	INTERGENIC		
SNP_11266B_12993827	Ca_Kabuli_Chr03	NC_021162.1	12993827	AA	GG	GG	INTERGENIC		
SNP_11267B_12993915	Ca_Kabuli_Chr03	NC_021162.1	12993915	AA	GG	GG	INTERGENIC		
SNP_11268B_12994119	Ca_Kabuli_Chr03	NC_021162.1	12994119	AA	GG	GG	INTERGENIC		
SNP_11269B_12994145	Ca_Kabuli_Chr03	NC_021162.1	12994145	TT	CC	CC	INTERGENIC		
SNP_11270B_12994177	Ca_Kabuli_Chr03	NC_021162.1	12994177	GG	TT	TT	INTERGENIC		
SNP_11271B_12994183	Ca_Kabuli_Chr03	NC_021162.1	12994183	AA	CC	CC	INTERGENIC		
SNP_11272B_12994188	Ca_Kabuli_Chr03	NC_021162.1	12994188	TT	CC	CC	INTERGENIC		
SNP_11273B_12994235	Ca_Kabuli_Chr03	NC_021162.1	12994235	AA	GG	GG	INTERGENIC		
SNP_11274B_12994253	Ca_Kabuli_Chr03	NC_021162.1	12994253	TT	CC	CC	INTERGENIC		
SNP_11275B_12994269	Ca_Kabuli_Chr03	NC_021162.1	12994269	AA	CC	CC	INTERGENIC		
SNP_11276B_12994305	Ca_Kabuli_Chr03	NC_021162.1	12994305	TT	CC	CC	INTERGENIC		
SNP_11277B_12994318	Ca_Kabuli_Chr03	NC_021162.1	12994318	AA	GG	GG	INTERGENIC		
SNP_11278B_13006634	Ca_Kabuli_Chr03	NC_021162.1	13006634	AA	GG	GG	INTERGENIC		
SNP_11279B_13036479	Ca_Kabuli_Chr03	NC_021162.1	13036479	AA	GG	GG	INTERGENIC		
SNP_11280B_13036484	Ca_Kabuli_Chr03	NC_021162.1	13036484	AA	GG	GG	INTERGENIC		
SNP_11281B_13040983	Ca_Kabuli_Chr03	NC_021162.1	13040983	TT	CC	CC	INTERGENIC		
SNP_11282B_13041005	Ca_Kabuli_Chr03	NC_021162.1	13041005	GG	AA	AA	INTERGENIC		
SNP_11283B_13041039	Ca_Kabuli_Chr03	NC_021162.1	13041039	AA	GG	GG	INTERGENIC		
SNP_11284B_13041042	Ca_Kabuli_Chr03	NC_021162.1	13041042	TT	CC	CC	INTERGENIC		
SNP_11285B_13041075	Ca_Kabuli_Chr03	NC_021162.1	13041075	CC	AA	AA	INTERGENIC		
SNP_11286B_13041122	Ca_Kabuli_Chr03	NC_021162.1	13041122	GG	AA	AA	INTERGENIC		
SNP_11287B_13041422	Ca_Kabuli_Chr03	NC_021162.1	13041422	CC	TT	TT	INTERGENIC		
SNP_11288B_13041468	Ca_Kabuli_Chr03	NC_021162.1	13041468	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11289B_13041533	Ca_Kabuli_Chr03	NC_021162.1	13041533	AA	GG	GG	INTERGENIC		
SNP_11290B_13041578	Ca_Kabuli_Chr03	NC_021162.1	13041578	AA	GG	GG	INTERGENIC		
SNP_11291B_13042121	Ca_Kabuli_Chr03	NC_021162.1	13042121	AA	TT	TT	INTERGENIC		
SNP_11292B_13042123	Ca_Kabuli_Chr03	NC_021162.1	13042123	GG	AA	AA	INTERGENIC		
SNP_11293B_13047747	Ca_Kabuli_Chr03	NC_021162.1	13047747	GG	AA	AA	INTERGENIC		
SNP_11294B_13050309	Ca_Kabuli_Chr03	NC_021162.1	13050309	TT	AA	AA	INTERGENIC		
SNP_11295B_13068635	Ca_Kabuli_Chr03	NC_021162.1	13068635	AA	GG	GG	INTERGENIC		
SNP_11296B_13070122	Ca_Kabuli_Chr03	NC_021162.1	13070122	GG	TT	TT	INTERGENIC		
SNP_11297B_13096562	Ca_Kabuli_Chr03	NC_021162.1	13096562	TT	CC	CC	INTERGENIC		
SNP_11298B_13096566	Ca_Kabuli_Chr03	NC_021162.1	13096566	AA	CC	CC	INTERGENIC		
SNP_11299B_13096590	Ca_Kabuli_Chr03	NC_021162.1	13096590	AA	CC	CC	INTERGENIC		
SNP_11300B_13096654	Ca_Kabuli_Chr03	NC_021162.1	13096654	TT	CC	CC	INTERGENIC		
SNP_11301B_13096763	Ca_Kabuli_Chr03	NC_021162.1	13096763	AA	CC	CC	INTERGENIC		
SNP_11302B_13096799	Ca_Kabuli_Chr03	NC_021162.1	13096799	TT	GG	GG	INTERGENIC		
SNP_11303B_13096813	Ca_Kabuli_Chr03	NC_021162.1	13096813	GG	AA	AA	INTERGENIC		
SNP_11304B_13096814	Ca_Kabuli_Chr03	NC_021162.1	13096814	GG	TT	TT	INTERGENIC		
SNP_11305B_13096869	Ca_Kabuli_Chr03	NC_021162.1	13096869	TT	CC	CC	INTERGENIC		
SNP_11306B_13096884	Ca_Kabuli_Chr03	NC_021162.1	13096884	TT	CC	CC	INTERGENIC		
SNP_11309B_13097106	Ca_Kabuli_Chr03	NC_021162.1	13097106	TT	CC	CC	INTERGENIC		
SNP_11310B_13097110	Ca_Kabuli_Chr03	NC_021162.1	13097110	CC	TT	TT	INTERGENIC		
SNP_11311B_13097189	Ca_Kabuli_Chr03	NC_021162.1	13097189	AA	GG	GG	INTERGENIC		
SNP_11312B_13107617	Ca_Kabuli_Chr03	NC_021162.1	13107617	AA	GG	GG	INTERGENIC		
SNP_11313B_13129295	Ca_Kabuli_Chr03	NC_021162.1	13129295	AA	TT	TT	URR	101512273	heat shock cognate 70 kDa protein-like
SNP_11314B_13135626	Ca_Kabuli_Chr03	NC_021162.1	13135626	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11316B_13172370	Ca_Kabuli_Chr03	NC_021162.1	13172370	GG	CC	CC	URR	101512602	vacuolar-processing enzyme alpha-isozyme-like
SNP_11317B_13180035	Ca_Kabuli_Chr03	NC_021162.1	13180035	CC	TT	TT	INTERGENIC		
SNP_11318B_13180052	Ca_Kabuli_Chr03	NC_021162.1	13180052	TT	CC	CC	INTERGENIC		
SNP_11319B_13184587	Ca_Kabuli_Chr03	NC_021162.1	13184587	CC	AA	AA	INTERGENIC		
SNP_11320B_13185101	Ca_Kabuli_Chr03	NC_021162.1	13185101	TT	CC	CC	INTERGENIC		
SNP_11321B_13185138	Ca_Kabuli_Chr03	NC_021162.1	13185138	GG	TT	TT	INTERGENIC		
SNP_11322B_13185163	Ca_Kabuli_Chr03	NC_021162.1	13185163	GG	CC	CC	INTERGENIC		
SNP_11323B_13185164	Ca_Kabuli_Chr03	NC_021162.1	13185164	AA	CC	CC	INTERGENIC		
SNP_11324B_13185210	Ca_Kabuli_Chr03	NC_021162.1	13185210	GG	AA	AA	INTERGENIC		
SNP_11325B_13185297	Ca_Kabuli_Chr03	NC_021162.1	13185297	CC	AA	AA	INTERGENIC		
SNP_11326B_13185329	Ca_Kabuli_Chr03	NC_021162.1	13185329	GG	AA	AA	INTERGENIC		
SNP_11327B_13185385	Ca_Kabuli_Chr03	NC_021162.1	13185385	GG	TT	TT	INTERGENIC		
SNP_11329B_13185472	Ca_Kabuli_Chr03	NC_021162.1	13185472	AA	CC	CC	INTERGENIC		
SNP_11330B_13185558	Ca_Kabuli_Chr03	NC_021162.1	13185558	GG	CC	CC	INTERGENIC		
SNP_11331B_13185559	Ca_Kabuli_Chr03	NC_021162.1	13185559	GG	AA	AA	INTERGENIC		
SNP_11332B_13185579	Ca_Kabuli_Chr03	NC_021162.1	13185579	TT	CC	CC	INTERGENIC		
SNP_11333B_13185767	Ca_Kabuli_Chr03	NC_021162.1	13185767	CC	GG	GG	INTERGENIC		
SNP_11334B_13238621	Ca_Kabuli_Chr03	NC_021162.1	13238621	AA	CC	CC	INTERGENIC		
SNP_11335B_13244178	Ca_Kabuli_Chr03	NC_021162.1	13244178	GG	AA	AA	INTERGENIC		
SNP_11336B_13285211	Ca_Kabuli_Chr03	NC_021162.1	13285211	AA	GG	GG	INTRON	101513874	heat shock 70 kDa protein 18-like
SNP_11337B_13291899	Ca_Kabuli_Chr03	NC_021162.1	13291899	AA	GG	GG	INTERGENIC		
SNP_11338B_13291932	Ca_Kabuli_Chr03	NC_021162.1	13291932	AA	GG	GG	INTERGENIC		
SNP_11339B_13363334	Ca_Kabuli_Chr03	NC_021162.1	13363334	AA	GG	GG	SYNONYMOUS_CODING	id45492	Unknown function
SNP_11340B_13363395	Ca_Kabuli_Chr03	NC_021162.1	13363395	CC	AA	AA	NON_SYNONYMOUS_CODING	id45492	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11341B_13363401	Ca_Kabuli_Chr03	NC_021162.1	13363401	AA	GG	GG	NON_SYNONYMOUS_CODING	id45492	Unknown function
SNP_11342B_13364307	Ca_Kabuli_Chr03	NC_021162.1	13364307	GG	AA	AA	INTRON	id45492	Unknown function
SNP_11343B_13364372	Ca_Kabuli_Chr03	NC_021162.1	13364372	GG	AA	AA	INTRON	id45492	Unknown function
SNP_11344B_13364387	Ca_Kabuli_Chr03	NC_021162.1	13364387	GG	AA	AA	INTRON	id45492	Unknown function
SNP_11345B_13364426	Ca_Kabuli_Chr03	NC_021162.1	13364426	GG	AA	AA	URR	101509695	uncharacterized LOC101509695
SNP_11346B_13364428	Ca_Kabuli_Chr03	NC_021162.1	13364428	AA	GG	GG	URR	101509695	uncharacterized LOC101509695
SNP_11347B_13364596	Ca_Kabuli_Chr03	NC_021162.1	13364596	CC	AA	AA	URR	101509695	uncharacterized LOC101509695
SNP_11348B_13412911	Ca_Kabuli_Chr03	NC_021162.1	13412911	CC	AA	AA	INTERGENIC		
SNP_11349B_13450999	Ca_Kabuli_Chr03	NC_021162.1	13450999	AA	CC	CC	INTERGENIC		
SNP_11350B_13451009	Ca_Kabuli_Chr03	NC_021162.1	13451009	GG	TT	TT	INTERGENIC		
SNP_11351B_13451073	Ca_Kabuli_Chr03	NC_021162.1	13451073	AA	TT	TT	INTERGENIC		
SNP_11352B_13451074	Ca_Kabuli_Chr03	NC_021162.1	13451074	AA	CC	CC	INTERGENIC		
SNP_11353B_13451076	Ca_Kabuli_Chr03	NC_021162.1	13451076	AA	GG	GG	INTERGENIC		
SNP_11354B_13451077	Ca_Kabuli_Chr03	NC_021162.1	13451077	TT	CC	CC	INTERGENIC		
SNP_11355B_13451093	Ca_Kabuli_Chr03	NC_021162.1	13451093	TT	CC	CC	INTERGENIC		
SNP_11356B_13451106	Ca_Kabuli_Chr03	NC_021162.1	13451106	AA	TT	TT	INTERGENIC		
SNP_11357B_13465239	Ca_Kabuli_Chr03	NC_021162.1	13465239	TT	CC	CC	URR	101514861	Unknown function
SNP_11358B_13465281	Ca_Kabuli_Chr03	NC_021162.1	13465281	GG	TT	TT	URR	101514861	Unknown function
SNP_11359B_13480016	Ca_Kabuli_Chr03	NC_021162.1	13480016	TT	CC	CC	INTERGENIC		
SNP_11360B_13487957	Ca_Kabuli_Chr03	NC_021162.1	13487957	AA	GG	GG	INTERGENIC		
SNP_11361B_13488023	Ca_Kabuli_Chr03	NC_021162.1	13488023	GG	AA	AA	INTERGENIC		
SNP_11362B_13488414	Ca_Kabuli_Chr03	NC_021162.1	13488414	AA	GG	GG	INTERGENIC		
SNP_11363B_13488476	Ca_Kabuli_Chr03	NC_021162.1	13488476	TT	CC	CC	INTERGENIC		
SNP_11364B_13521791	Ca_Kabuli_Chr03	NC_021162.1	13521791	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11365B_13521792	Ca_Kabuli_Chr03	NC_021162.1	13521792	AA	TT	TT	INTERGENIC		
SNP_11366B_13556723	Ca_Kabuli_Chr03	NC_021162.1	13556723	TT	AA	AA	INTERGENIC		
SNP_11367B_13597050	Ca_Kabuli_Chr03	NC_021162.1	13597050	AA	GG	GG	INTERGENIC		
SNP_11369B_13829589	Ca_Kabuli_Chr03	NC_021162.1	13829589	AA	TT	TT	INTERGENIC		
SNP_11371B_13868409	Ca_Kabuli_Chr03	NC_021162.1	13868409	GG	AA	AA	INTERGENIC		
SNP_11372B_13868412	Ca_Kabuli_Chr03	NC_021162.1	13868412	CC	TT	TT	INTERGENIC		
SNP_11373B_13868478	Ca_Kabuli_Chr03	NC_021162.1	13868478	AA	GG	GG	INTERGENIC		
SNP_11374B_13868536	Ca_Kabuli_Chr03	NC_021162.1	13868536	AA	GG	GG	INTERGENIC		
SNP_11375B_13868703	Ca_Kabuli_Chr03	NC_021162.1	13868703	AA	CC	CC	INTERGENIC		
SNP_11376B_13868720	Ca_Kabuli_Chr03	NC_021162.1	13868720	GG	AA	AA	INTERGENIC		
SNP_11377B_13868750	Ca_Kabuli_Chr03	NC_021162.1	13868750	AA	GG	GG	INTERGENIC		
SNP_11379B_13868803	Ca_Kabuli_Chr03	NC_021162.1	13868803	TT	GG	GG	INTERGENIC		
SNP_11380B_13868811	Ca_Kabuli_Chr03	NC_021162.1	13868811	TT	CC	CC	INTERGENIC		
SNP_11381B_13868818	Ca_Kabuli_Chr03	NC_021162.1	13868818	TT	GG	GG	INTERGENIC		
SNP_11382B_13868820	Ca_Kabuli_Chr03	NC_021162.1	13868820	CC	TT	TT	INTERGENIC		
SNP_11383B_13868900	Ca_Kabuli_Chr03	NC_021162.1	13868900	GG	TT	TT	INTERGENIC		
SNP_11384B_13935043	Ca_Kabuli_Chr03	NC_021162.1	13935043	GG	TT	TT	INTERGENIC		
SNP_11385B_13935523	Ca_Kabuli_Chr03	NC_021162.1	13935523	GG	TT	TT	INTERGENIC		
SNP_11386B_13935971	Ca_Kabuli_Chr03	NC_021162.1	13935971	CC	AA	AA	INTERGENIC		
SNP_11387B_13935983	Ca_Kabuli_Chr03	NC_021162.1	13935983	CC	TT	TT	INTERGENIC		
SNP_11388B_14102341	Ca_Kabuli_Chr03	NC_021162.1	14102341	CC	AA	AA	INTERGENIC		
SNP_11389B_14243761	Ca_Kabuli_Chr03	NC_021162.1	14243761	TT	CC	CC	INTERGENIC		
SNP_11390B_14245585	Ca_Kabuli_Chr03	NC_021162.1	14245585	AA	GG	GG	INTERGENIC		
SNP_11391B_14245820	Ca_Kabuli_Chr03	NC_021162.1	14245820	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11392B_14247491	Ca_Kabuli_Chr03	NC_021162.1	14247491	GG	AA	AA	INTERGENIC		
SNP_11393B_14247724	Ca_Kabuli_Chr03	NC_021162.1	14247724	CC	TT	TT	INTERGENIC		
SNP_11394B_14247953	Ca_Kabuli_Chr03	NC_021162.1	14247953	CC	TT	TT	INTERGENIC		
SNP_11395B_14248011	Ca_Kabuli_Chr03	NC_021162.1	14248011	GG	TT	TT	INTERGENIC		
SNP_11396B_14248014	Ca_Kabuli_Chr03	NC_021162.1	14248014	AA	CC	CC	INTERGENIC		
SNP_11397B_14248095	Ca_Kabuli_Chr03	NC_021162.1	14248095	TT	GG	GG	INTERGENIC		
SNP_11398B_14248098	Ca_Kabuli_Chr03	NC_021162.1	14248098	TT	AA	AA	INTERGENIC		
SNP_11399B_14248157	Ca_Kabuli_Chr03	NC_021162.1	14248157	AA	GG	GG	INTERGENIC		
SNP_11400B_14248309	Ca_Kabuli_Chr03	NC_021162.1	14248309	TT	CC	CC	INTERGENIC		
SNP_11401B_14248339	Ca_Kabuli_Chr03	NC_021162.1	14248339	TT	CC	CC	INTERGENIC		
SNP_11402B_14248404	Ca_Kabuli_Chr03	NC_021162.1	14248404	TT	AA	AA	INTERGENIC		
SNP_11403B_14248410	Ca_Kabuli_Chr03	NC_021162.1	14248410	TT	CC	CC	INTERGENIC		
SNP_11404B_14248435	Ca_Kabuli_Chr03	NC_021162.1	14248435	TT	AA	AA	INTERGENIC		
SNP_11405B_14248446	Ca_Kabuli_Chr03	NC_021162.1	14248446	CC	AA	AA	INTERGENIC		
SNP_11406B_14248576	Ca_Kabuli_Chr03	NC_021162.1	14248576	TT	CC	CC	INTERGENIC		
SNP_11407B_14248827	Ca_Kabuli_Chr03	NC_021162.1	14248827	AA	GG	GG	INTERGENIC		
SNP_11408B_14248933	Ca_Kabuli_Chr03	NC_021162.1	14248933	GG	AA	AA	INTERGENIC		
SNP_11409B_14249125	Ca_Kabuli_Chr03	NC_021162.1	14249125	TT	CC	CC	INTERGENIC		
SNP_11410B_14249133	Ca_Kabuli_Chr03	NC_021162.1	14249133	AA	GG	GG	INTERGENIC		
SNP_11411B_14249147	Ca_Kabuli_Chr03	NC_021162.1	14249147	AA	GG	GG	INTERGENIC		
SNP_11412B_14249148	Ca_Kabuli_Chr03	NC_021162.1	14249148	AA	TT	TT	INTERGENIC		
SNP_11413B_14249156	Ca_Kabuli_Chr03	NC_021162.1	14249156	CC	TT	TT	INTERGENIC		
SNP_11414B_14249242	Ca_Kabuli_Chr03	NC_021162.1	14249242	TT	AA	AA	INTERGENIC		
SNP_11415B_14249248	Ca_Kabuli_Chr03	NC_021162.1	14249248	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11416B_14249439	Ca_Kabuli_Chr03	NC_021162.1	14249439	CC	TT	TT	INTERGENIC		
SNP_11417B_14249497	Ca_Kabuli_Chr03	NC_021162.1	14249497	CC	TT	TT	INTERGENIC		
SNP_11418B_14448814	Ca_Kabuli_Chr03	NC_021162.1	14448814	CC	TT	TT	INTERGENIC		
SNP_11419B_14473924	Ca_Kabuli_Chr03	NC_021162.1	14473924	TT	CC	CC	INTRON	101499232	chromodomain-helicase-DNA-binding protein 1-like
SNP_11420B_14495131	Ca_Kabuli_Chr03	NC_021162.1	14495131	AA	GG	GG	INTERGENIC		
SNP_11421B_14495154	Ca_Kabuli_Chr03	NC_021162.1	14495154	CC	TT	TT	INTERGENIC		
SNP_11422B_14495170	Ca_Kabuli_Chr03	NC_021162.1	14495170	AA	CC	CC	INTERGENIC		
SNP_11423B_14495205	Ca_Kabuli_Chr03	NC_021162.1	14495205	GG	AA	AA	INTERGENIC		
SNP_11424B_14495412	Ca_Kabuli_Chr03	NC_021162.1	14495412	CC	AA	AA	INTERGENIC		
SNP_11425B_14495501	Ca_Kabuli_Chr03	NC_021162.1	14495501	TT	CC	CC	INTERGENIC		
SNP_11426B_14540732	Ca_Kabuli_Chr03	NC_021162.1	14540732	GG	AA	AA	INTERGENIC		
SNP_11427B_14543365	Ca_Kabuli_Chr03	NC_021162.1	14543365	CC	GG	GG	INTERGENIC		
SNP_11428B_14543534	Ca_Kabuli_Chr03	NC_021162.1	14543534	TT	CC	CC	INTERGENIC		
SNP_11429B_14556386	Ca_Kabuli_Chr03	NC_021162.1	14556386	AA	GG	GG	INTERGENIC		
SNP_11430B_14575325	Ca_Kabuli_Chr03	NC_021162.1	14575325	GG	AA	AA	INTERGENIC		
SNP_11432B_14653365	Ca_Kabuli_Chr03	NC_021162.1	14653365	AA	GG	GG	INTRON	101500404	E3 ubiquitin-protein ligase BRE1-like 1
SNP_11433B_14653384	Ca_Kabuli_Chr03	NC_021162.1	14653384	CC	GG	GG	INTRON	101500404	E3 ubiquitin-protein ligase BRE1-like 1
SNP_11434B_14696998	Ca_Kabuli_Chr03	NC_021162.1	14696998	AA	GG	GG	DRR	101500921	uncharacterized LOC101500921
SNP_11435B_14704175	Ca_Kabuli_Chr03	NC_021162.1	14704175	GG	CC	CC	INTERGENIC		
SNP_11436B_14706603	Ca_Kabuli_Chr03	NC_021162.1	14706603	AA	CC	CC	INTERGENIC		
SNP_11437B_14780176	Ca_Kabuli_Chr03	NC_021162.1	14780176	CC	TT	TT	INTERGENIC		
SNP_11438B_14780247	Ca_Kabuli_Chr03	NC_021162.1	14780247	AA	GG	GG	INTERGENIC		
SNP_11439B_14780282	Ca_Kabuli_Chr03	NC_021162.1	14780282	AA	GG	GG	INTERGENIC		
SNP_11440B_14790349	Ca_Kabuli_Chr03	NC_021162.1	14790349	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11441B_14797148	Ca_Kabuli_Chr03	NC_021162.1	14797148	AA	GG	GG	INTERGENIC		
SNP_11442B_14801632	Ca_Kabuli_Chr03	NC_021162.1	14801632	TT	CC	CC	INTERGENIC		
SNP_11443B_14814676	Ca_Kabuli_Chr03	NC_021162.1	14814676	CC	TT	TT	URR	101502098	hydroquinone glucosyltransferase
SNP_11444B_14815947	Ca_Kabuli_Chr03	NC_021162.1	14815947	GG	AA	AA	URR	101502098	hydroquinone glucosyltransferase
SNP_11445B_14816120	Ca_Kabuli_Chr03	NC_021162.1	14816120	AA	TT	TT	URR	101502098	hydroquinone glucosyltransferase
SNP_11446B_14816180	Ca_Kabuli_Chr03	NC_021162.1	14816180	TT	CC	CC	URR	101502098	hydroquinone glucosyltransferase
SNP_11447B_14816185	Ca_Kabuli_Chr03	NC_021162.1	14816185	AA	GG	GG	URR	101502098	hydroquinone glucosyltransferase
SNP_11448B_14816216	Ca_Kabuli_Chr03	NC_021162.1	14816216	GG	AA	AA	URR	101502098	hydroquinone glucosyltransferase
SNP_11449B_14835338	Ca_Kabuli_Chr03	NC_021162.1	14835338	AA	CC	CC	INTERGENIC		
SNP_11452B_14845796	Ca_Kabuli_Chr03	NC_021162.1	14845796	GG	AA	AA	INTERGENIC		
SNP_11453B_14848682	Ca_Kabuli_Chr03	NC_021162.1	14848682	CC	GG	GG	INTERGENIC		
SNP_11454B_14854204	Ca_Kabuli_Chr03	NC_021162.1	14854204	CC	GG	GG	INTERGENIC		
SNP_11455B_14858487	Ca_Kabuli_Chr03	NC_021162.1	14858487	AA	TT	TT	INTERGENIC		
SNP_11456B_14858491	Ca_Kabuli_Chr03	NC_021162.1	14858491	TT	GG	GG	INTERGENIC		
SNP_11457B_14858495	Ca_Kabuli_Chr03	NC_021162.1	14858495	AA	GG	GG	INTERGENIC		
SNP_11458B_14858499	Ca_Kabuli_Chr03	NC_021162.1	14858499	AA	GG	GG	INTERGENIC		
SNP_11459B_14858766	Ca_Kabuli_Chr03	NC_021162.1	14858766	CC	AA	AA	INTERGENIC		
SNP_11460B_14859923	Ca_Kabuli_Chr03	NC_021162.1	14859923	AA	GG	GG	INTERGENIC		
SNP_11461B_14859955	Ca_Kabuli_Chr03	NC_021162.1	14859955	GG	AA	AA	INTERGENIC		
SNP_11462B_14860007	Ca_Kabuli_Chr03	NC_021162.1	14860007	CC	TT	TT	INTERGENIC		
SNP_11463B_14867226	Ca_Kabuli_Chr03	NC_021162.1	14867226	AA	CC	CC	INTERGENIC		
SNP_11464B_14867508	Ca_Kabuli_Chr03	NC_021162.1	14867508	TT	GG	GG	INTERGENIC		
SNP_11465B_14867608	Ca_Kabuli_Chr03	NC_021162.1	14867608	CC	GG	GG	INTERGENIC		
SNP_11466B_14867621	Ca_Kabuli_Chr03	NC_021162.1	14867621	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11467B_14867716	Ca_Kabuli_Chr03	NC_021162.1	14867716	GG	AA	AA	INTERGENIC		
SNP_11468B_14867718	Ca_Kabuli_Chr03	NC_021162.1	14867718	AA	GG	GG	INTERGENIC		
SNP_11469B_14867748	Ca_Kabuli_Chr03	NC_021162.1	14867748	TT	GG	GG	INTERGENIC		
SNP_11470B_14867789	Ca_Kabuli_Chr03	NC_021162.1	14867789	AA	GG	GG	INTERGENIC		
SNP_11471B_14868671	Ca_Kabuli_Chr03	NC_021162.1	14868671	TT	CC	CC	INTERGENIC		
SNP_11472B_14868759	Ca_Kabuli_Chr03	NC_021162.1	14868759	CC	TT	TT	INTERGENIC		
SNP_11473B_14868767	Ca_Kabuli_Chr03	NC_021162.1	14868767	CC	AA	AA	INTERGENIC		
SNP_11474B_14868840	Ca_Kabuli_Chr03	NC_021162.1	14868840	AA	GG	GG	INTERGENIC		
SNP_11476B_14868871	Ca_Kabuli_Chr03	NC_021162.1	14868871	AA	GG	GG	INTERGENIC		
SNP_11477B_14868877	Ca_Kabuli_Chr03	NC_021162.1	14868877	TT	CC	CC	INTERGENIC		
SNP_11478B_14872349	Ca_Kabuli_Chr03	NC_021162.1	14872349	GG	CC	CC	INTERGENIC		
SNP_11480B_14878396	Ca_Kabuli_Chr03	NC_021162.1	14878396	AA	TT	TT	INTERGENIC		
SNP_11481B_14878402	Ca_Kabuli_Chr03	NC_021162.1	14878402	GG	AA	AA	INTERGENIC		
SNP_11482B_14878598	Ca_Kabuli_Chr03	NC_021162.1	14878598	CC	TT	TT	INTERGENIC		
SNP_11483B_14878768	Ca_Kabuli_Chr03	NC_021162.1	14878768	CC	TT	TT	INTERGENIC		
SNP_11484B_14878909	Ca_Kabuli_Chr03	NC_021162.1	14878909	GG	TT	TT	INTERGENIC		
SNP_11486B_14880876	Ca_Kabuli_Chr03	NC_021162.1	14880876	TT	GG	GG	INTERGENIC		
SNP_11487B_14880889	Ca_Kabuli_Chr03	NC_021162.1	14880889	CC	GG	GG	INTERGENIC		
SNP_11488B_14880891	Ca_Kabuli_Chr03	NC_021162.1	14880891	GG	AA	AA	INTERGENIC		
SNP_11489B_14880943	Ca_Kabuli_Chr03	NC_021162.1	14880943	TT	CC	CC	INTERGENIC		
SNP_11490B_14880978	Ca_Kabuli_Chr03	NC_021162.1	14880978	AA	GG	GG	INTERGENIC		
SNP_11491B_14881069	Ca_Kabuli_Chr03	NC_021162.1	14881069	GG	AA	AA	INTERGENIC		
SNP_11492B_14881143	Ca_Kabuli_Chr03	NC_021162.1	14881143	GG	AA	AA	INTERGENIC		
SNP_11493B_14881397	Ca_Kabuli_Chr03	NC_021162.1	14881397	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11494B_14889048	Ca_Kabuli_Chr03	NC_021162.1	14889048	AA	TT	TT	INTERGENIC		
SNP_11495B_14889195	Ca_Kabuli_Chr03	NC_021162.1	14889195	GG	CC	CC	INTERGENIC		
SNP_11496B_14889463	Ca_Kabuli_Chr03	NC_021162.1	14889463	TT	AA	AA	INTERGENIC		
SNP_11497B_14889568	Ca_Kabuli_Chr03	NC_021162.1	14889568	AA	TT	TT	INTERGENIC		
SNP_11498B_14889664	Ca_Kabuli_Chr03	NC_021162.1	14889664	CC	TT	TT	INTERGENIC		
SNP_11499B_14889805	Ca_Kabuli_Chr03	NC_021162.1	14889805	TT	CC	CC	INTERGENIC		
SNP_11500B_14889891	Ca_Kabuli_Chr03	NC_021162.1	14889891	TT	AA	AA	INTERGENIC		
SNP_11501B_14890176	Ca_Kabuli_Chr03	NC_021162.1	14890176	TT	CC	CC	INTERGENIC		
SNP_11502B_14890847	Ca_Kabuli_Chr03	NC_021162.1	14890847	GG	AA	AA	INTERGENIC		
SNP_11503B_14891174	Ca_Kabuli_Chr03	NC_021162.1	14891174	GG	CC	CC	INTERGENIC		
SNP_11504B_14892758	Ca_Kabuli_Chr03	NC_021162.1	14892758	TT	CC	CC	INTERGENIC		
SNP_11505B_14892787	Ca_Kabuli_Chr03	NC_021162.1	14892787	CC	AA	AA	INTERGENIC		
SNP_11506B_14892951	Ca_Kabuli_Chr03	NC_021162.1	14892951	CC	TT	TT	INTERGENIC		
SNP_11507B_14893123	Ca_Kabuli_Chr03	NC_021162.1	14893123	AA	TT	TT	INTERGENIC		
SNP_11508B_14893246	Ca_Kabuli_Chr03	NC_021162.1	14893246	CC	TT	TT	INTERGENIC		
SNP_11509B_14893290	Ca_Kabuli_Chr03	NC_021162.1	14893290	GG	CC	CC	INTERGENIC		
SNP_11510B_14893438	Ca_Kabuli_Chr03	NC_021162.1	14893438	TT	CC	CC	INTERGENIC		
SNP_11511B_14893486	Ca_Kabuli_Chr03	NC_021162.1	14893486	CC	GG	GG	INTERGENIC		
SNP_11512B_14893498	Ca_Kabuli_Chr03	NC_021162.1	14893498	AA	TT	TT	INTERGENIC		
SNP_11513B_14893537	Ca_Kabuli_Chr03	NC_021162.1	14893537	AA	CC	CC	INTERGENIC		
SNP_11514B_14893646	Ca_Kabuli_Chr03	NC_021162.1	14893646	TT	CC	CC	INTERGENIC		
SNP_11515B_14895810	Ca_Kabuli_Chr03	NC_021162.1	14895810	AA	TT	TT	INTERGENIC		
SNP_11516B_14901473	Ca_Kabuli_Chr03	NC_021162.1	14901473	AA	TT	TT	INTERGENIC		
SNP_11517B_14902800	Ca_Kabuli_Chr03	NC_021162.1	14902800	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11519B_14904456	Ca_Kabuli_Chr03	NC_021162.1	14904456	TT	CC	CC	INTERGENIC		
SNP_11520B_14908015	Ca_Kabuli_Chr03	NC_021162.1	14908015	AA	TT	TT	INTERGENIC		
SNP_11522B_14935253	Ca_Kabuli_Chr03	NC_021162.1	14935253	GG	TT	TT	INTERGENIC		
SNP_11523B_14935255	Ca_Kabuli_Chr03	NC_021162.1	14935255	AA	GG	GG	INTERGENIC		
SNP_11524B_14952152	Ca_Kabuli_Chr03	NC_021162.1	14952152	AA	GG	GG	INTERGENIC		
SNP_11525B_14952189	Ca_Kabuli_Chr03	NC_021162.1	14952189	TT	GG	GG	INTERGENIC		
SNP_11526B_14952213	Ca_Kabuli_Chr03	NC_021162.1	14952213	CC	GG	GG	INTERGENIC		
SNP_11527B_14952277	Ca_Kabuli_Chr03	NC_021162.1	14952277	TT	CC	CC	INTERGENIC		
SNP_11528B_14952285	Ca_Kabuli_Chr03	NC_021162.1	14952285	TT	GG	GG	INTERGENIC		
SNP_11529B_14952313	Ca_Kabuli_Chr03	NC_021162.1	14952313	TT	GG	GG	INTERGENIC		
SNP_11530B_14953625	Ca_Kabuli_Chr03	NC_021162.1	14953625	TT	CC	CC	INTERGENIC		
SNP_11531B_14987248	Ca_Kabuli_Chr03	NC_021162.1	14987248	GG	AA	AA	URR	101502420	DNA mismatch repair protein MSH1, mitochondrial-like
SNP_11532B_15038518	Ca_Kabuli_Chr03	NC_021162.1	15038518	CC	TT	TT	INTERGENIC		
SNP_11533B_15038531	Ca_Kabuli_Chr03	NC_021162.1	15038531	TT	CC	CC	INTERGENIC		
SNP_11534B_15038792	Ca_Kabuli_Chr03	NC_021162.1	15038792	AA	CC	CC	INTERGENIC		
SNP_11535B_15038989	Ca_Kabuli_Chr03	NC_021162.1	15038989	TT	CC	CC	INTERGENIC		
SNP_11536B_15039218	Ca_Kabuli_Chr03	NC_021162.1	15039218	CC	AA	AA	INTERGENIC		
SNP_11538B_15042477	Ca_Kabuli_Chr03	NC_021162.1	15042477	CC	TT	TT	INTERGENIC		
SNP_11539B_15047616	Ca_Kabuli_Chr03	NC_021162.1	15047616	CC	TT	TT	INTERGENIC		
SNP_11540B_15047652	Ca_Kabuli_Chr03	NC_021162.1	15047652	TT	CC	CC	INTERGENIC		
SNP_11542B_15052898	Ca_Kabuli_Chr03	NC_021162.1	15052898	CC	GG	GG	URR	101506708	uncharacterized LOC101506708
SNP_11543B_15053002	Ca_Kabuli_Chr03	NC_021162.1	15053002	GG	AA	AA	URR	101506708	uncharacterized LOC101506708
SNP_11544B_15053080	Ca_Kabuli_Chr03	NC_021162.1	15053080	GG	AA	AA	URR	101506708	uncharacterized LOC101506708
SNP_11546B_15072295	Ca_Kabuli_Chr03	NC_021162.1	15072295	GG	AA	AA	DRR	101507254	splicing factor 3B subunit 6-like protein

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11547B_15072494	Ca_Kabuli_Chr03	NC_021162.1	15072494	GG	TT	TT	NON_SYNONYMOUS_CODING	101507254	splicing factor 3B subunit 6-like protein
SNP_11548B_15072506	Ca_Kabuli_Chr03	NC_021162.1	15072506	AA	CC	CC	NON_SYNONYMOUS_CODING	101507254	splicing factor 3B subunit 6-like protein
SNP_11549B_15072516	Ca_Kabuli_Chr03	NC_021162.1	15072516	TT	CC	CC	NON_SYNONYMOUS_CODING	101507254	splicing factor 3B subunit 6-like protein
SNP_11550B_15212417	Ca_Kabuli_Chr03	NC_021162.1	15212417	CC	AA	AA	INTERGENIC		
SNP_11551B_15212423	Ca_Kabuli_Chr03	NC_021162.1	15212423	GG	AA	AA	INTERGENIC		
SNP_11552B_15212440	Ca_Kabuli_Chr03	NC_021162.1	15212440	TT	CC	CC	INTERGENIC		
SNP_11553B_15212540	Ca_Kabuli_Chr03	NC_021162.1	15212540	GG	AA	AA	INTERGENIC		
SNP_11554B_15231840	Ca_Kabuli_Chr03	NC_021162.1	15231840	GG	AA	AA	INTERGENIC		
SNP_11555B_15232252	Ca_Kabuli_Chr03	NC_021162.1	15232252	AA	GG	GG	INTERGENIC		
SNP_11556B_15271861	Ca_Kabuli_Chr03	NC_021162.1	15271861	GG	AA	AA	INTERGENIC		
SNP_11557B_15272204	Ca_Kabuli_Chr03	NC_021162.1	15272204	AA	GG	GG	INTERGENIC		
SNP_11558B_15309631	Ca_Kabuli_Chr03	NC_021162.1	15309631	TT	CC	CC	INTERGENIC		
SNP_11559B_15309941	Ca_Kabuli_Chr03	NC_021162.1	15309941	AA	GG	GG	INTERGENIC		
SNP_11560B_15314117	Ca_Kabuli_Chr03	NC_021162.1	15314117	GG	AA	AA	INTERGENIC		
SNP_11561B_15314199	Ca_Kabuli_Chr03	NC_021162.1	15314199	GG	AA	AA	INTERGENIC		
SNP_11562B_15314488	Ca_Kabuli_Chr03	NC_021162.1	15314488	TT	CC	CC	INTERGENIC		
SNP_11563B_15332236	Ca_Kabuli_Chr03	NC_021162.1	15332236	AA	CC	CC	INTERGENIC		
SNP_11564B_15387937	Ca_Kabuli_Chr03	NC_021162.1	15387937	AA	GG	GG	URR	101495409	uncharacterized LOC101495409
SNP_11566B_15547929	Ca_Kabuli_Chr03	NC_021162.1	15547929	AA	TT	TT	DRR	101512694	acetylornithine aminotransferase, mitochondrial
SNP_11567B_15588649	Ca_Kabuli_Chr03	NC_021162.1	15588649	AA	GG	GG	INTERGENIC		
SNP_11568B_15588665	Ca_Kabuli_Chr03	NC_021162.1	15588665	GG	AA	AA	INTERGENIC		
SNP_11569B_15588672	Ca_Kabuli_Chr03	NC_021162.1	15588672	CC	TT	TT	INTERGENIC		
SNP_11570B_15588738	Ca_Kabuli_Chr03	NC_021162.1	15588738	AA	CC	CC	INTERGENIC		
SNP_11571B_15588788	Ca_Kabuli_Chr03	NC_021162.1	15588788	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11572B_15649640	Ca_Kabuli_Chr03	NC_021162.1	15649640	CC	TT	TT	INTERGENIC		
SNP_11573B_15657620	Ca_Kabuli_Chr03	NC_021162.1	15657620	AA	GG	GG	INTERGENIC		
SNP_11574B_15657677	Ca_Kabuli_Chr03	NC_021162.1	15657677	AA	GG	GG	INTERGENIC		
SNP_11575B_15657720	Ca_Kabuli_Chr03	NC_021162.1	15657720	GG	AA	AA	INTERGENIC		
SNP_11576B_15657745	Ca_Kabuli_Chr03	NC_021162.1	15657745	AA	GG	GG	INTERGENIC		
SNP_11577B_15657755	Ca_Kabuli_Chr03	NC_021162.1	15657755	TT	CC	CC	INTERGENIC		
SNP_11578B_15657768	Ca_Kabuli_Chr03	NC_021162.1	15657768	AA	GG	GG	INTERGENIC		
SNP_11579B_15657779	Ca_Kabuli_Chr03	NC_021162.1	15657779	AA	GG	GG	INTERGENIC		
SNP_11580B_15657886	Ca_Kabuli_Chr03	NC_021162.1	15657886	GG	AA	AA	INTERGENIC		
SNP_11581B_15657907	Ca_Kabuli_Chr03	NC_021162.1	15657907	CC	GG	GG	INTERGENIC		
SNP_11582B_15657913	Ca_Kabuli_Chr03	NC_021162.1	15657913	TT	CC	CC	INTERGENIC		
SNP_11583B_15657931	Ca_Kabuli_Chr03	NC_021162.1	15657931	AA	GG	GG	INTERGENIC		
SNP_11584B_15657942	Ca_Kabuli_Chr03	NC_021162.1	15657942	CC	TT	TT	INTERGENIC		
SNP_11585B_15657944	Ca_Kabuli_Chr03	NC_021162.1	15657944	AA	CC	CC	INTERGENIC		
SNP_11586B_15657955	Ca_Kabuli_Chr03	NC_021162.1	15657955	TT	CC	CC	INTERGENIC		
SNP_11587B_15657968	Ca_Kabuli_Chr03	NC_021162.1	15657968	CC	AA	AA	INTERGENIC		
SNP_11588B_15657972	Ca_Kabuli_Chr03	NC_021162.1	15657972	AA	CC	CC	INTERGENIC		
SNP_11589B_15657977	Ca_Kabuli_Chr03	NC_021162.1	15657977	TT	CC	CC	INTERGENIC		
SNP_11590B_15658198	Ca_Kabuli_Chr03	NC_021162.1	15658198	TT	GG	GG	INTERGENIC		
SNP_11591B_15658199	Ca_Kabuli_Chr03	NC_021162.1	15658199	GG	AA	AA	INTERGENIC		
SNP_11592B_15658210	Ca_Kabuli_Chr03	NC_021162.1	15658210	TT	CC	CC	INTERGENIC		
SNP_11593B_15658437	Ca_Kabuli_Chr03	NC_021162.1	15658437	TT	AA	AA	INTERGENIC		
SNP_11594B_15658469	Ca_Kabuli_Chr03	NC_021162.1	15658469	GG	AA	AA	INTERGENIC		
SNP_11595B_15658509	Ca_Kabuli_Chr03	NC_021162.1	15658509	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11597B_15658530	Ca_Kabuli_Chr03	NC_021162.1	15658530	AA	CC	CC	INTERGENIC		
SNP_11598B_15658537	Ca_Kabuli_Chr03	NC_021162.1	15658537	TT	CC	CC	INTERGENIC		
SNP_11599B_15658598	Ca_Kabuli_Chr03	NC_021162.1	15658598	GG	TT	TT	INTERGENIC		
SNP_11600B_15658686	Ca_Kabuli_Chr03	NC_021162.1	15658686	TT	GG	GG	INTERGENIC		
SNP_11601B_15658714	Ca_Kabuli_Chr03	NC_021162.1	15658714	TT	GG	GG	INTERGENIC		
SNP_11602B_15658736	Ca_Kabuli_Chr03	NC_021162.1	15658736	TT	CC	CC	INTERGENIC		
SNP_11603B_15658803	Ca_Kabuli_Chr03	NC_021162.1	15658803	AA	CC	CC	INTERGENIC		
SNP_11604B_15658805	Ca_Kabuli_Chr03	NC_021162.1	15658805	GG	CC	CC	INTERGENIC		
SNP_11605B_15658815	Ca_Kabuli_Chr03	NC_021162.1	15658815	TT	CC	CC	INTERGENIC		
SNP_11606B_15658819	Ca_Kabuli_Chr03	NC_021162.1	15658819	GG	AA	AA	INTERGENIC		
SNP_11607B_15658867	Ca_Kabuli_Chr03	NC_021162.1	15658867	TT	CC	CC	INTERGENIC		
SNP_11608B_15658923	Ca_Kabuli_Chr03	NC_021162.1	15658923	AA	GG	GG	INTERGENIC		
SNP_11609B_15658928	Ca_Kabuli_Chr03	NC_021162.1	15658928	TT	CC	CC	INTERGENIC		
SNP_11610B_15658971	Ca_Kabuli_Chr03	NC_021162.1	15658971	TT	CC	CC	INTERGENIC		
SNP_11611B_15658984	Ca_Kabuli_Chr03	NC_021162.1	15658984	TT	CC	CC	INTERGENIC		
SNP_11612B_15659061	Ca_Kabuli_Chr03	NC_021162.1	15659061	AA	CC	CC	INTERGENIC		
SNP_11613B_15659075	Ca_Kabuli_Chr03	NC_021162.1	15659075	AA	CC	CC	INTERGENIC		
SNP_11614B_15659081	Ca_Kabuli_Chr03	NC_021162.1	15659081	CC	TT	TT	INTERGENIC		
SNP_11615B_15659125	Ca_Kabuli_Chr03	NC_021162.1	15659125	TT	CC	CC	INTERGENIC		
SNP_11616B_15659138	Ca_Kabuli_Chr03	NC_021162.1	15659138	GG	TT	TT	INTERGENIC		
SNP_11617B_15659140	Ca_Kabuli_Chr03	NC_021162.1	15659140	AA	GG	GG	INTERGENIC		
SNP_11618B_15659151	Ca_Kabuli_Chr03	NC_021162.1	15659151	CC	AA	AA	INTERGENIC		
SNP_11619B_15659162	Ca_Kabuli_Chr03	NC_021162.1	15659162	TT	CC	CC	INTERGENIC		
SNP_11620B_15659213	Ca_Kabuli_Chr03	NC_021162.1	15659213	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11621B_15659257	Ca_Kabuli_Chr03	NC_021162.1	15659257	CC	TT	TT	INTERGENIC		
SNP_11622B_15659263	Ca_Kabuli_Chr03	NC_021162.1	15659263	TT	CC	CC	INTERGENIC		
SNP_11623B_15659306	Ca_Kabuli_Chr03	NC_021162.1	15659306	TT	GG	GG	INTERGENIC		
SNP_11624B_15659311	Ca_Kabuli_Chr03	NC_021162.1	15659311	TT	CC	CC	INTERGENIC		
SNP_11625B_15659319	Ca_Kabuli_Chr03	NC_021162.1	15659319	GG	TT	TT	INTERGENIC		
SNP_11626B_15659334	Ca_Kabuli_Chr03	NC_021162.1	15659334	CC	AA	AA	INTERGENIC		
SNP_11627B_15659354	Ca_Kabuli_Chr03	NC_021162.1	15659354	AA	GG	GG	INTERGENIC		
SNP_11628B_15659363	Ca_Kabuli_Chr03	NC_021162.1	15659363	AA	CC	CC	INTERGENIC		
SNP_11629B_15659387	Ca_Kabuli_Chr03	NC_021162.1	15659387	GG	AA	AA	INTERGENIC		
SNP_11630B_15659400	Ca_Kabuli_Chr03	NC_021162.1	15659400	TT	CC	CC	INTERGENIC		
SNP_11631B_15659420	Ca_Kabuli_Chr03	NC_021162.1	15659420	TT	CC	CC	INTERGENIC		
SNP_11632B_15659459	Ca_Kabuli_Chr03	NC_021162.1	15659459	AA	TT	TT	INTERGENIC		
SNP_11633B_15659474	Ca_Kabuli_Chr03	NC_021162.1	15659474	AA	GG	GG	INTERGENIC		
SNP_11634B_15659508	Ca_Kabuli_Chr03	NC_021162.1	15659508	TT	AA	AA	INTERGENIC		
SNP_11635B_15659513	Ca_Kabuli_Chr03	NC_021162.1	15659513	AA	GG	GG	INTERGENIC		
SNP_11636B_15659556	Ca_Kabuli_Chr03	NC_021162.1	15659556	AA	CC	CC	INTERGENIC		
SNP_11637B_15659582	Ca_Kabuli_Chr03	NC_021162.1	15659582	GG	TT	TT	INTERGENIC		
SNP_11638B_15659590	Ca_Kabuli_Chr03	NC_021162.1	15659590	TT	AA	AA	INTERGENIC		
SNP_11639B_15659597	Ca_Kabuli_Chr03	NC_021162.1	15659597	AA	TT	TT	INTERGENIC		
SNP_11640B_15659616	Ca_Kabuli_Chr03	NC_021162.1	15659616	AA	CC	CC	INTERGENIC		
SNP_11641B_15659651	Ca_Kabuli_Chr03	NC_021162.1	15659651	AA	GG	GG	INTERGENIC		
SNP_11642B_15659653	Ca_Kabuli_Chr03	NC_021162.1	15659653	AA	GG	GG	INTERGENIC		
SNP_11643B_15659667	Ca_Kabuli_Chr03	NC_021162.1	15659667	TT	CC	CC	INTERGENIC		
SNP_11644B_15659694	Ca_Kabuli_Chr03	NC_021162.1	15659694	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11645B_15659712	Ca_Kabuli_Chr03	NC_021162.1	15659712	TT	CC	CC	INTERGENIC		
SNP_11646B_15659749	Ca_Kabuli_Chr03	NC_021162.1	15659749	GG	CC	CC	INTERGENIC		
SNP_11647B_15659774	Ca_Kabuli_Chr03	NC_021162.1	15659774	AA	CC	CC	INTERGENIC		
SNP_11648B_15659806	Ca_Kabuli_Chr03	NC_021162.1	15659806	AA	GG	GG	INTERGENIC		
SNP_11649B_15659811	Ca_Kabuli_Chr03	NC_021162.1	15659811	TT	CC	CC	INTERGENIC		
SNP_11650B_15659867	Ca_Kabuli_Chr03	NC_021162.1	15659867	AA	GG	GG	INTERGENIC		
SNP_11651B_15659957	Ca_Kabuli_Chr03	NC_021162.1	15659957	TT	CC	CC	INTERGENIC		
SNP_11652B_15659997	Ca_Kabuli_Chr03	NC_021162.1	15659997	AA	GG	GG	INTERGENIC		
SNP_11653B_15660047	Ca_Kabuli_Chr03	NC_021162.1	15660047	TT	CC	CC	INTERGENIC		
SNP_11654B_15660063	Ca_Kabuli_Chr03	NC_021162.1	15660063	TT	CC	CC	INTERGENIC		
SNP_11655B_15660076	Ca_Kabuli_Chr03	NC_021162.1	15660076	AA	GG	GG	INTERGENIC		
SNP_11656B_15660096	Ca_Kabuli_Chr03	NC_021162.1	15660096	AA	GG	GG	INTERGENIC		
SNP_11657B_15660116	Ca_Kabuli_Chr03	NC_021162.1	15660116	TT	CC	CC	INTERGENIC		
SNP_11658B_15660128	Ca_Kabuli_Chr03	NC_021162.1	15660128	AA	GG	GG	INTERGENIC		
SNP_11659B_15660163	Ca_Kabuli_Chr03	NC_021162.1	15660163	GG	AA	AA	INTERGENIC		
SNP_11660B_15660341	Ca_Kabuli_Chr03	NC_021162.1	15660341	TT	CC	CC	INTERGENIC		
SNP_11661B_15660348	Ca_Kabuli_Chr03	NC_021162.1	15660348	AA	GG	GG	INTERGENIC		
SNP_11662B_15660352	Ca_Kabuli_Chr03	NC_021162.1	15660352	AA	GG	GG	INTERGENIC		
SNP_11663B_15660358	Ca_Kabuli_Chr03	NC_021162.1	15660358	AA	GG	GG	INTERGENIC		
SNP_11664B_15660389	Ca_Kabuli_Chr03	NC_021162.1	15660389	AA	CC	CC	INTERGENIC		
SNP_11665B_15660414	Ca_Kabuli_Chr03	NC_021162.1	15660414	TT	CC	CC	INTERGENIC		
SNP_11666B_15660438	Ca_Kabuli_Chr03	NC_021162.1	15660438	CC	GG	GG	INTERGENIC		
SNP_11667B_15660466	Ca_Kabuli_Chr03	NC_021162.1	15660466	TT	CC	CC	INTERGENIC		
SNP_11668B_15660467	Ca_Kabuli_Chr03	NC_021162.1	15660467	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11670B_15660579	Ca_Kabuli_Chr03	NC_021162.1	15660579	CC	TT	TT	INTERGENIC		
SNP_11671B_15660622	Ca_Kabuli_Chr03	NC_021162.1	15660622	AA	CC	CC	INTERGENIC		
SNP_11672B_15660636	Ca_Kabuli_Chr03	NC_021162.1	15660636	AA	GG	GG	INTERGENIC		
SNP_11673B_15660684	Ca_Kabuli_Chr03	NC_021162.1	15660684	AA	GG	GG	INTERGENIC		
SNP_11674B_15689297	Ca_Kabuli_Chr03	NC_021162.1	15689297	GG	AA	AA	INTERGENIC		
SNP_11675B_15732582	Ca_Kabuli_Chr03	NC_021162.1	15732582	AA	GG	GG	INTERGENIC		
SNP_11676B_15752535	Ca_Kabuli_Chr03	NC_021162.1	15752535	TT	CC	CC	INTERGENIC		
SNP_11677B_15806617	Ca_Kabuli_Chr03	NC_021162.1	15806617	CC	GG	GG	INTERGENIC		
SNP_11678B_15810339	Ca_Kabuli_Chr03	NC_021162.1	15810339	TT	AA	AA	INTERGENIC		
SNP_11679B_15810350	Ca_Kabuli_Chr03	NC_021162.1	15810350	CC	AA	AA	INTERGENIC		
SNP_11682B_15956725	Ca_Kabuli_Chr03	NC_021162.1	15956725	TT	GG	GG	INTERGENIC		
SNP_11684B_16106863	Ca_Kabuli_Chr03	NC_021162.1	16106863	GG	CC	CC	INTERGENIC		
SNP_11685B_16106945	Ca_Kabuli_Chr03	NC_021162.1	16106945	AA	GG	GG	INTERGENIC		
SNP_11686B_16106983	Ca_Kabuli_Chr03	NC_021162.1	16106983	TT	CC	CC	INTERGENIC		
SNP_11687B_16107228	Ca_Kabuli_Chr03	NC_021162.1	16107228	AA	GG	GG	INTERGENIC		
SNP_11688B_16107263	Ca_Kabuli_Chr03	NC_021162.1	16107263	AA	GG	GG	INTERGENIC		
SNP_11689B_16107292	Ca_Kabuli_Chr03	NC_021162.1	16107292	AA	GG	GG	INTERGENIC		
SNP_11690B_16107345	Ca_Kabuli_Chr03	NC_021162.1	16107345	CC	TT	TT	INTERGENIC		
SNP_11692B_16115088	Ca_Kabuli_Chr03	NC_021162.1	16115088	AA	GG	GG	INTERGENIC		
SNP_11693B_16115201	Ca_Kabuli_Chr03	NC_021162.1	16115201	GG	AA	AA	INTERGENIC		
SNP_11694B_16115209	Ca_Kabuli_Chr03	NC_021162.1	16115209	CC	AA	AA	INTERGENIC		
SNP_11695B_16116723	Ca_Kabuli_Chr03	NC_021162.1	16116723	TT	AA	AA	INTERGENIC		
SNP_11696B_16117549	Ca_Kabuli_Chr03	NC_021162.1	16117549	GG	AA	AA	INTERGENIC		
SNP_11697B_16117587	Ca_Kabuli_Chr03	NC_021162.1	16117587	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11699B_16133223	Ca_Kabuli_Chr03	NC_021162.1	16133223	TT	CC	CC	INTERGENIC		
SNP_11701B_16133445	Ca_Kabuli_Chr03	NC_021162.1	16133445	CC	GG	GG	INTERGENIC		
SNP_11703B_16133506	Ca_Kabuli_Chr03	NC_021162.1	16133506	TT	AA	AA	INTERGENIC		
SNP_11704B_16133508	Ca_Kabuli_Chr03	NC_021162.1	16133508	TT	AA	AA	INTERGENIC		
SNP_11705B_16133528	Ca_Kabuli_Chr03	NC_021162.1	16133528	CC	TT	TT	INTERGENIC		
SNP_11707B_16160472	Ca_Kabuli_Chr03	NC_021162.1	16160472	TT	CC	CC	INTERGENIC		
SNP_11708B_16160682	Ca_Kabuli_Chr03	NC_021162.1	16160682	GG	AA	AA	INTERGENIC		
SNP_11709B_16160989	Ca_Kabuli_Chr03	NC_021162.1	16160989	AA	GG	GG	INTERGENIC		
SNP_11710B_16164198	Ca_Kabuli_Chr03	NC_021162.1	16164198	AA	GG	GG	INTERGENIC		
SNP_11711B_16164283	Ca_Kabuli_Chr03	NC_021162.1	16164283	AA	GG	GG	INTERGENIC		
SNP_11712B_16164292	Ca_Kabuli_Chr03	NC_021162.1	16164292	CC	GG	GG	INTERGENIC		
SNP_11713B_16164308	Ca_Kabuli_Chr03	NC_021162.1	16164308	CC	TT	TT	INTERGENIC		
SNP_11715B_16166862	Ca_Kabuli_Chr03	NC_021162.1	16166862	AA	TT	TT	INTERGENIC		
SNP_11716B_16166938	Ca_Kabuli_Chr03	NC_021162.1	16166938	GG	AA	AA	INTERGENIC		
SNP_11717B_16167055	Ca_Kabuli_Chr03	NC_021162.1	16167055	TT	CC	CC	INTERGENIC		
SNP_11718B_16167092	Ca_Kabuli_Chr03	NC_021162.1	16167092	AA	GG	GG	INTERGENIC		
SNP_11719B_16167100	Ca_Kabuli_Chr03	NC_021162.1	16167100	GG	TT	TT	INTERGENIC		
SNP_11720B_16167116	Ca_Kabuli_Chr03	NC_021162.1	16167116	CC	TT	TT	INTERGENIC		
SNP_11721B_16167247	Ca_Kabuli_Chr03	NC_021162.1	16167247	AA	GG	GG	INTERGENIC		
SNP_11722B_16167294	Ca_Kabuli_Chr03	NC_021162.1	16167294	AA	CC	CC	INTERGENIC		
SNP_11723B_16168929	Ca_Kabuli_Chr03	NC_021162.1	16168929	CC	GG	GG	INTERGENIC		
SNP_11724B_16168936	Ca_Kabuli_Chr03	NC_021162.1	16168936	CC	TT	TT	INTERGENIC		
SNP_11725B_16168969	Ca_Kabuli_Chr03	NC_021162.1	16168969	GG	AA	AA	INTERGENIC		
SNP_11726B_16168982	Ca_Kabuli_Chr03	NC_021162.1	16168982	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11727B_16169169	Ca_Kabuli_Chr03	NC_021162.1	16169169	AA	GG	GG	INTERGENIC		
SNP_11728B_16169209	Ca_Kabuli_Chr03	NC_021162.1	16169209	CC	TT	TT	INTERGENIC		
SNP_11729B_16169245	Ca_Kabuli_Chr03	NC_021162.1	16169245	GG	AA	AA	INTERGENIC		
SNP_11730B_16170792	Ca_Kabuli_Chr03	NC_021162.1	16170792	AA	GG	GG	INTERGENIC		
SNP_11731B_16170975	Ca_Kabuli_Chr03	NC_021162.1	16170975	CC	TT	TT	INTERGENIC		
SNP_11732B_16170997	Ca_Kabuli_Chr03	NC_021162.1	16170997	TT	CC	CC	INTERGENIC		
SNP_11733B_16170998	Ca_Kabuli_Chr03	NC_021162.1	16170998	CC	AA	AA	INTERGENIC		
SNP_11734B_16171007	Ca_Kabuli_Chr03	NC_021162.1	16171007	GG	AA	AA	INTERGENIC		
SNP_11735B_16171028	Ca_Kabuli_Chr03	NC_021162.1	16171028	CC	TT	TT	INTERGENIC		
SNP_11736B_16171051	Ca_Kabuli_Chr03	NC_021162.1	16171051	TT	CC	CC	INTERGENIC		
SNP_11738B_16171366	Ca_Kabuli_Chr03	NC_021162.1	16171366	CC	TT	TT	INTERGENIC		
SNP_11739B_16171409	Ca_Kabuli_Chr03	NC_021162.1	16171409	TT	GG	GG	INTERGENIC		
SNP_11740B_16181478	Ca_Kabuli_Chr03	NC_021162.1	16181478	AA	TT	TT	INTERGENIC		
SNP_11741B_16181971	Ca_Kabuli_Chr03	NC_021162.1	16181971	CC	TT	TT	INTERGENIC		
SNP_11742B_16182007	Ca_Kabuli_Chr03	NC_021162.1	16182007	CC	TT	TT	INTERGENIC		
SNP_11743B_16182402	Ca_Kabuli_Chr03	NC_021162.1	16182402	AA	CC	CC	INTERGENIC		
SNP_11744B_16182646	Ca_Kabuli_Chr03	NC_021162.1	16182646	TT	CC	CC	INTERGENIC		
SNP_11745B_16182674	Ca_Kabuli_Chr03	NC_021162.1	16182674	GG	AA	AA	INTERGENIC		
SNP_11747B_16182938	Ca_Kabuli_Chr03	NC_021162.1	16182938	GG	AA	AA	INTERGENIC		
SNP_11748B_16183187	Ca_Kabuli_Chr03	NC_021162.1	16183187	CC	TT	TT	INTERGENIC		
SNP_11749B_16183207	Ca_Kabuli_Chr03	NC_021162.1	16183207	GG	AA	AA	INTERGENIC		
SNP_11750B_16183257	Ca_Kabuli_Chr03	NC_021162.1	16183257	TT	CC	CC	INTERGENIC		
SNP_11751B_16190276	Ca_Kabuli_Chr03	NC_021162.1	16190276	GG	TT	TT	INTERGENIC		
SNP_11752B_16190500	Ca_Kabuli_Chr03	NC_021162.1	16190500	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11753B_16190693	Ca_Kabuli_Chr03	NC_021162.1	16190693	AA	GG	GG	INTERGENIC		
SNP_11754B_16190727	Ca_Kabuli_Chr03	NC_021162.1	16190727	CC	TT	TT	INTERGENIC		
SNP_11755B_16190766	Ca_Kabuli_Chr03	NC_021162.1	16190766	TT	AA	AA	INTERGENIC		
SNP_11757B_16195021	Ca_Kabuli_Chr03	NC_021162.1	16195021	CC	TT	TT	DRR	101498696	Unknown function
SNP_11758B_16195099	Ca_Kabuli_Chr03	NC_021162.1	16195099	GG	AA	AA	DRR	101498696	Unknown function
SNP_11760B_16195223	Ca_Kabuli_Chr03	NC_021162.1	16195223	AA	GG	GG	DRR	101498696	Unknown function
SNP_11761B_16195418	Ca_Kabuli_Chr03	NC_021162.1	16195418	TT	CC	CC	DRR	101498696	Unknown function
SNP_11763B_16195743	Ca_Kabuli_Chr03	NC_021162.1	16195743	AA	GG	GG	DRR	101498696	Unknown function
SNP_11764B_16195752	Ca_Kabuli_Chr03	NC_021162.1	16195752	AA	TT	TT	DRR	101498696	Unknown function
SNP_11765B_16195770	Ca_Kabuli_Chr03	NC_021162.1	16195770	CC	TT	TT	DRR	101498696	Unknown function
SNP_11766B_16195781	Ca_Kabuli_Chr03	NC_021162.1	16195781	GG	CC	CC	DRR	101498696	Unknown function
SNP_11767B_16195806	Ca_Kabuli_Chr03	NC_021162.1	16195806	AA	TT	TT	DRR	101498696	Unknown function
SNP_11768B_16195811	Ca_Kabuli_Chr03	NC_021162.1	16195811	CC	AA	AA	DRR	101498696	Unknown function
SNP_11769B_16195828	Ca_Kabuli_Chr03	NC_021162.1	16195828	CC	GG	GG	DRR	101498696	Unknown function
SNP_11770B_16195883	Ca_Kabuli_Chr03	NC_021162.1	16195883	GG	AA	AA	URR	101498696	Unknown function
SNP_11771B_16195914	Ca_Kabuli_Chr03	NC_021162.1	16195914	AA	GG	GG	URR	101498696	Unknown function
SNP_11772B_16195933	Ca_Kabuli_Chr03	NC_021162.1	16195933	CC	GG	GG	URR	101498696	Unknown function
SNP_11773B_16196052	Ca_Kabuli_Chr03	NC_021162.1	16196052	TT	CC	CC	INTRON	101498696	Unknown function
SNP_11774B_16196098	Ca_Kabuli_Chr03	NC_021162.1	16196098	CC	TT	TT	INTRON	101498696	Unknown function
SNP_11775B_16196649	Ca_Kabuli_Chr03	NC_021162.1	16196649	TT	AA	AA	INTRON	101498696	Unknown function
SNP_11776B_16196718	Ca_Kabuli_Chr03	NC_021162.1	16196718	AA	TT	TT	INTRON	101498696	Unknown function
SNP_11777B_16196841	Ca_Kabuli_Chr03	NC_021162.1	16196841	TT	AA	AA	INTRON	101498696	Unknown function
SNP_11778B_16196885	Ca_Kabuli_Chr03	NC_021162.1	16196885	TT	AA	AA	INTRON	101498696	Unknown function
SNP_11779B_16197370	Ca_Kabuli_Chr03	NC_021162.1	16197370	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11780B_16197539	Ca_Kabuli_Chr03	NC_021162.1	16197539	GG	TT	TT	URR	101498696	Unknown function
SNP_11781B_16197582	Ca_Kabuli_Chr03	NC_021162.1	16197582	CC	AA	AA	URR	101498696	Unknown function
SNP_11782B_16197638	Ca_Kabuli_Chr03	NC_021162.1	16197638	AA	GG	GG	URR	101498696	Unknown function
SNP_11783B_16197653	Ca_Kabuli_Chr03	NC_021162.1	16197653	CC	TT	TT	URR	101498696	Unknown function
SNP_11784B_16197689	Ca_Kabuli_Chr03	NC_021162.1	16197689	AA	GG	GG	URR	101498696	Unknown function
SNP_11785B_16197703	Ca_Kabuli_Chr03	NC_021162.1	16197703	GG	AA	AA	URR	101498696	Unknown function
SNP_11786B_16197731	Ca_Kabuli_Chr03	NC_021162.1	16197731	GG	AA	AA	URR	101498696	Unknown function
SNP_11787B_16197733	Ca_Kabuli_Chr03	NC_021162.1	16197733	CC	TT	TT	URR	101498696	Unknown function
SNP_11788B_16211999	Ca_Kabuli_Chr03	NC_021162.1	16211999	TT	AA	AA	INTERGENIC		
SNP_11789B_16212025	Ca_Kabuli_Chr03	NC_021162.1	16212025	TT	AA	AA	INTERGENIC		
SNP_11790B_16212049	Ca_Kabuli_Chr03	NC_021162.1	16212049	TT	CC	CC	INTERGENIC		
SNP_11792B_16212123	Ca_Kabuli_Chr03	NC_021162.1	16212123	CC	AA	AA	INTERGENIC		
SNP_11793B_16212159	Ca_Kabuli_Chr03	NC_021162.1	16212159	GG	AA	AA	INTERGENIC		
SNP_11794B_16212198	Ca_Kabuli_Chr03	NC_021162.1	16212198	GG	TT	TT	INTERGENIC		
SNP_11795B_16212226	Ca_Kabuli_Chr03	NC_021162.1	16212226	GG	AA	AA	INTERGENIC		
SNP_11796B_16212275	Ca_Kabuli_Chr03	NC_021162.1	16212275	TT	CC	CC	INTERGENIC		
SNP_11797B_16212331	Ca_Kabuli_Chr03	NC_021162.1	16212331	GG	TT	TT	INTERGENIC		
SNP_11798B_16212362	Ca_Kabuli_Chr03	NC_021162.1	16212362	AA	GG	GG	INTERGENIC		
SNP_11800B_16212401	Ca_Kabuli_Chr03	NC_021162.1	16212401	TT	CC	CC	INTERGENIC		
SNP_11801B_16212438	Ca_Kabuli_Chr03	NC_021162.1	16212438	TT	CC	CC	INTERGENIC		
SNP_11802B_16212485	Ca_Kabuli_Chr03	NC_021162.1	16212485	CC	GG	GG	INTERGENIC		
SNP_11803B_16212488	Ca_Kabuli_Chr03	NC_021162.1	16212488	TT	CC	CC	INTERGENIC		
SNP_11804B_16237507	Ca_Kabuli_Chr03	NC_021162.1	16237507	AA	GG	GG	INTERGENIC		
SNP_11805B_16237530	Ca_Kabuli_Chr03	NC_021162.1	16237530	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11806B_16239203	Ca_Kabuli_Chr03	NC_021162.1	16239203	TT	GG	GG	INTERGENIC		
SNP_11807B_16244871	Ca_Kabuli_Chr03	NC_021162.1	16244871	CC	TT	TT	INTERGENIC		
SNP_11808B_16245336	Ca_Kabuli_Chr03	NC_021162.1	16245336	GG	CC	CC	INTERGENIC		
SNP_11809B_16245342	Ca_Kabuli_Chr03	NC_021162.1	16245342	AA	GG	GG	INTERGENIC		
SNP_11810B_16283986	Ca_Kabuli_Chr03	NC_021162.1	16283986	GG	AA	AA	INTERGENIC		
SNP_11811B_16331630	Ca_Kabuli_Chr03	NC_021162.1	16331630	AA	CC	CC	INTERGENIC		
SNP_11812B_16331822	Ca_Kabuli_Chr03	NC_021162.1	16331822	AA	CC	CC	INTERGENIC		
SNP_11813B_16347192	Ca_Kabuli_Chr03	NC_021162.1	16347192	TT	CC	CC	INTERGENIC		
SNP_11814B_16413573	Ca_Kabuli_Chr03	NC_021162.1	16413573	TT	CC	CC	URR	101410587	transfer RNA lysine (anticodon UUU)
SNP_11815B_16413587	Ca_Kabuli_Chr03	NC_021162.1	16413587	GG	AA	AA	URR	101410587	transfer RNA lysine (anticodon UUU)
SNP_11816B_16413639	Ca_Kabuli_Chr03	NC_021162.1	16413639	AA	GG	GG	URR	101410587	transfer RNA lysine (anticodon UUU)
SNP_11817B_16413642	Ca_Kabuli_Chr03	NC_021162.1	16413642	GG	AA	AA	URR	101410587	transfer RNA lysine (anticodon UUU)
SNP_11818B_16413648	Ca_Kabuli_Chr03	NC_021162.1	16413648	GG	AA	AA	URR	101410587	transfer RNA lysine (anticodon UUU)
SNP_11819B_16413662	Ca_Kabuli_Chr03	NC_021162.1	16413662	CC	TT	TT	URR	101410587	transfer RNA lysine (anticodon UUU)
SNP_11820B_16413666	Ca_Kabuli_Chr03	NC_021162.1	16413666	AA	GG	GG	URR	101410587	transfer RNA lysine (anticodon UUU)
SNP_11821B_16413954	Ca_Kabuli_Chr03	NC_021162.1	16413954	TT	CC	CC	URR	101410587	transfer RNA lysine (anticodon UUU)
SNP_11822B_16414054	Ca_Kabuli_Chr03	NC_021162.1	16414054	AA	CC	CC	URR	101410587	transfer RNA lysine (anticodon UUU)
SNP_11823B_16414066	Ca_Kabuli_Chr03	NC_021162.1	16414066	GG	AA	AA	URR	101410587	transfer RNA lysine (anticodon UUU)
SNP_11824B_16441500	Ca_Kabuli_Chr03	NC_021162.1	16441500	TT	CC	CC	INTERGENIC		
SNP_11825B_16441514	Ca_Kabuli_Chr03	NC_021162.1	16441514	CC	AA	AA	INTERGENIC		
SNP_11826B_16441516	Ca_Kabuli_Chr03	NC_021162.1	16441516	AA	TT	TT	INTERGENIC		
SNP_11827B_16441550	Ca_Kabuli_Chr03	NC_021162.1	16441550	GG	AA	AA	INTERGENIC		
SNP_11828B_16441589	Ca_Kabuli_Chr03	NC_021162.1	16441589	GG	CC	CC	INTERGENIC		
SNP_11829B_16441687	Ca_Kabuli_Chr03	NC_021162.1	16441687	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11830B_16470088	Ca_Kabuli_Chr03	NC_021162.1	16470088	TT	CC	CC	INTERGENIC		
SNP_11831B_16471630	Ca_Kabuli_Chr03	NC_021162.1	16471630	TT	GG	GG	INTERGENIC		
SNP_11832B_16471637	Ca_Kabuli_Chr03	NC_021162.1	16471637	AA	TT	TT	INTERGENIC		
SNP_11834B_16471943	Ca_Kabuli_Chr03	NC_021162.1	16471943	TT	GG	GG	INTERGENIC		
SNP_11835B_16473376	Ca_Kabuli_Chr03	NC_021162.1	16473376	CC	TT	TT	INTERGENIC		
SNP_11837B_16504050	Ca_Kabuli_Chr03	NC_021162.1	16504050	CC	TT	TT	URR	101511842	Unknown function
SNP_11838B_16504960	Ca_Kabuli_Chr03	NC_021162.1	16504960	TT	AA	AA	URR	101511842	Unknown function
SNP_11839B_16509420	Ca_Kabuli_Chr03	NC_021162.1	16509420	TT	GG	GG	INTERGENIC		
SNP_11841B_16556014	Ca_Kabuli_Chr03	NC_021162.1	16556014	GG	AA	AA	URR	101512800	uncharacterized LOC101512800
SNP_11842B_16556043	Ca_Kabuli_Chr03	NC_021162.1	16556043	CC	TT	TT	URR	101512800	uncharacterized LOC101512800
SNP_11843B_16633818	Ca_Kabuli_Chr03	NC_021162.1	16633818	TT	CC	CC	INTERGENIC		
SNP_11844B_16662023	Ca_Kabuli_Chr03	NC_021162.1	16662023	TT	AA	AA	INTERGENIC		
SNP_11845B_16673999	Ca_Kabuli_Chr03	NC_021162.1	16673999	TT	AA	AA	INTERGENIC		
SNP_11846B_16679136	Ca_Kabuli_Chr03	NC_021162.1	16679136	GG	AA	AA	INTERGENIC		
SNP_11847B_16747373	Ca_Kabuli_Chr03	NC_021162.1	16747373	AA	GG	GG	INTERGENIC		
SNP_11848B_16747396	Ca_Kabuli_Chr03	NC_021162.1	16747396	TT	CC	CC	INTERGENIC		
SNP_11849B_16784985	Ca_Kabuli_Chr03	NC_021162.1	16784985	CC	AA	AA	INTERGENIC		
SNP_11851B_16820942	Ca_Kabuli_Chr03	NC_021162.1	16820942	TT	CC	CC	INTERGENIC		
SNP_11852B_16879721	Ca_Kabuli_Chr03	NC_021162.1	16879721	GG	AA	AA	INTERGENIC		
SNP_11853B_16879972	Ca_Kabuli_Chr03	NC_021162.1	16879972	CC	TT	TT	INTERGENIC		
SNP_11854B_16887095	Ca_Kabuli_Chr03	NC_021162.1	16887095	TT	CC	CC	INTERGENIC		
SNP_11855B_16894800	Ca_Kabuli_Chr03	NC_021162.1	16894800	TT	GG	GG	URR	101504338	40S ribosomal protein S8-like
SNP_11856B_16932254	Ca_Kabuli_Chr03	NC_021162.1	16932254	TT	AA	AA	URR	101505304	peptidyl-prolyl cis-trans isomerase FKBP62-like
SNP_11857B_16975249	Ca_Kabuli_Chr03	NC_021162.1	16975249	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11858B_17030915	Ca_Kabuli_Chr03	NC_021162.1	17030915	TT	AA	AA	INTERGENIC		
SNP_11859B_17031033	Ca_Kabuli_Chr03	NC_021162.1	17031033	CC	TT	TT	INTERGENIC		
SNP_11860B_17031342	Ca_Kabuli_Chr03	NC_021162.1	17031342	AA	GG	GG	INTERGENIC		
SNP_11861B_17031413	Ca_Kabuli_Chr03	NC_021162.1	17031413	TT	GG	GG	INTERGENIC		
SNP_11862B_17031515	Ca_Kabuli_Chr03	NC_021162.1	17031515	AA	TT	TT	INTERGENIC		
SNP_11863B_17031539	Ca_Kabuli_Chr03	NC_021162.1	17031539	TT	GG	GG	INTERGENIC		
SNP_11864B_17031886	Ca_Kabuli_Chr03	NC_021162.1	17031886	AA	CC	CC	INTERGENIC		
SNP_11865B_17034515	Ca_Kabuli_Chr03	NC_021162.1	17034515	AA	GG	GG	INTERGENIC		
SNP_11866B_17035050	Ca_Kabuli_Chr03	NC_021162.1	17035050	AA	GG	GG	INTERGENIC		
SNP_11867B_17035357	Ca_Kabuli_Chr03	NC_021162.1	17035357	TT	GG	GG	INTERGENIC		
SNP_11868B_17035389	Ca_Kabuli_Chr03	NC_021162.1	17035389	GG	TT	TT	INTERGENIC		
SNP_11869B_17039093	Ca_Kabuli_Chr03	NC_021162.1	17039093	AA	GG	GG	INTERGENIC		
SNP_11870B_17039154	Ca_Kabuli_Chr03	NC_021162.1	17039154	TT	AA	AA	INTERGENIC		
SNP_11871B_17039230	Ca_Kabuli_Chr03	NC_021162.1	17039230	TT	CC	CC	INTERGENIC		
SNP_11873B_17039333	Ca_Kabuli_Chr03	NC_021162.1	17039333	AA	GG	GG	INTERGENIC		
SNP_11874B_17039363	Ca_Kabuli_Chr03	NC_021162.1	17039363	AA	CC	CC	INTERGENIC		
SNP_11875B_17039364	Ca_Kabuli_Chr03	NC_021162.1	17039364	CC	TT	TT	INTERGENIC		
SNP_11876B_17039388	Ca_Kabuli_Chr03	NC_021162.1	17039388	TT	CC	CC	INTERGENIC		
SNP_11879B_17138055	Ca_Kabuli_Chr03	NC_021162.1	17138055	CC	TT	TT	INTERGENIC		
SNP_11881B_17187821	Ca_Kabuli_Chr03	NC_021162.1	17187821	CC	GG	GG	INTRON	101491637	protein root UVB sensitive 4
SNP_11882B_17187826	Ca_Kabuli_Chr03	NC_021162.1	17187826	GG	AA	AA	INTRON	101491637	protein root UVB sensitive 4
SNP_11883B_17217978	Ca_Kabuli_Chr03	NC_021162.1	17217978	AA	GG	GG	INTERGENIC		
SNP_11884B_17222424	Ca_Kabuli_Chr03	NC_021162.1	17222424	TT	AA	AA	INTERGENIC		
SNP_11885B_17225519	Ca_Kabuli_Chr03	NC_021162.1	17225519	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11886B_17277490	Ca_Kabuli_Chr03	NC_021162.1	17277490	CC	GG	GG	DRR	101494243	putative receptor protein kinase ZmPK1
SNP_11887B_17277491	Ca_Kabuli_Chr03	NC_021162.1	17277491	AA	TT	TT	DRR	101494243	putative receptor protein kinase ZmPK1
SNP_11888B_17353994	Ca_Kabuli_Chr03	NC_021162.1	17353994	TT	AA	AA	URR	101495194	laccase-17-like
SNP_11889B_17375341	Ca_Kabuli_Chr03	NC_021162.1	17375341	CC	AA	AA	INTERGENIC		
SNP_11890B_17440744	Ca_Kabuli_Chr03	NC_021162.1	17440744	GG	AA	AA	INTERGENIC		
SNP_11891B_17486420	Ca_Kabuli_Chr03	NC_021162.1	17486420	TT	CC	CC	INTERGENIC		
SNP_11894B_17491928	Ca_Kabuli_Chr03	NC_021162.1	17491928	AA	GG	GG	INTERGENIC		
SNP_11895B_17492106	Ca_Kabuli_Chr03	NC_021162.1	17492106	TT	CC	CC	INTERGENIC		
SNP_11896B_17492210	Ca_Kabuli_Chr03	NC_021162.1	17492210	TT	AA	AA	INTERGENIC		
SNP_11897B_17492211	Ca_Kabuli_Chr03	NC_021162.1	17492211	CC	TT	TT	INTERGENIC		
SNP_11898B_17499157	Ca_Kabuli_Chr03	NC_021162.1	17499157	TT	GG	GG	INTERGENIC		
SNP_11899B_17499390	Ca_Kabuli_Chr03	NC_021162.1	17499390	CC	TT	TT	INTERGENIC		
SNP_11900B_17506140	Ca_Kabuli_Chr03	NC_021162.1	17506140	TT	CC	CC	INTERGENIC		
SNP_11901B_17506775	Ca_Kabuli_Chr03	NC_021162.1	17506775	CC	AA	AA	INTERGENIC		
SNP_11902B_17506908	Ca_Kabuli_Chr03	NC_021162.1	17506908	TT	CC	CC	INTERGENIC		
SNP_11903B_17506937	Ca_Kabuli_Chr03	NC_021162.1	17506937	CC	TT	TT	INTERGENIC		
SNP_11904B_17580757	Ca_Kabuli_Chr03	NC_021162.1	17580757	GG	AA	AA	URR	101501667	serine/threonine-protein phosphatase 7 long form homolog
SNP_11905B_17601003	Ca_Kabuli_Chr03	NC_021162.1	17601003	GG	TT	TT	INTERGENIC		
SNP_11906B_17601044	Ca_Kabuli_Chr03	NC_021162.1	17601044	TT	CC	CC	INTERGENIC		
SNP_11907B_17601110	Ca_Kabuli_Chr03	NC_021162.1	17601110	TT	CC	CC	INTERGENIC		
SNP_11908B_17601180	Ca_Kabuli_Chr03	NC_021162.1	17601180	AA	GG	GG	INTERGENIC		
SNP_11909B_17601370	Ca_Kabuli_Chr03	NC_021162.1	17601370	TT	CC	CC	INTERGENIC		
SNP_11910B_17678808	Ca_Kabuli_Chr03	NC_021162.1	17678808	AA	CC	CC	INTERGENIC		
SNP_11911B_17679205	Ca_Kabuli_Chr03	NC_021162.1	17679205	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11912B_17679228	Ca_Kabuli_Chr03	NC_021162.1	17679228	AA	GG	GG	INTERGENIC		
SNP_11914B_17756027	Ca_Kabuli_Chr03	NC_021162.1	17756027	TT	CC	CC	INTERGENIC		
SNP_11915B_17756132	Ca_Kabuli_Chr03	NC_021162.1	17756132	GG	AA	AA	INTERGENIC		
SNP_11916B_17756149	Ca_Kabuli_Chr03	NC_021162.1	17756149	GG	AA	AA	INTERGENIC		
SNP_11917B_17756200	Ca_Kabuli_Chr03	NC_021162.1	17756200	CC	TT	TT	INTERGENIC		
SNP_11918B_17756242	Ca_Kabuli_Chr03	NC_021162.1	17756242	TT	CC	CC	INTERGENIC		
SNP_11919B_17756254	Ca_Kabuli_Chr03	NC_021162.1	17756254	CC	TT	TT	INTERGENIC		
SNP_11920B_17756258	Ca_Kabuli_Chr03	NC_021162.1	17756258	AA	GG	GG	INTERGENIC		
SNP_11921B_17756262	Ca_Kabuli_Chr03	NC_021162.1	17756262	CC	TT	TT	INTERGENIC		
SNP_11922B_17756292	Ca_Kabuli_Chr03	NC_021162.1	17756292	TT	CC	CC	INTERGENIC		
SNP_11923B_17756301	Ca_Kabuli_Chr03	NC_021162.1	17756301	TT	CC	CC	INTERGENIC		
SNP_11924B_17756312	Ca_Kabuli_Chr03	NC_021162.1	17756312	CC	TT	TT	INTERGENIC		
SNP_11925B_17756346	Ca_Kabuli_Chr03	NC_021162.1	17756346	CC	TT	TT	INTERGENIC		
SNP_11926B_17756423	Ca_Kabuli_Chr03	NC_021162.1	17756423	CC	TT	TT	INTERGENIC		
SNP_11927B_17756440	Ca_Kabuli_Chr03	NC_021162.1	17756440	AA	GG	GG	INTERGENIC		
SNP_11928B_17756470	Ca_Kabuli_Chr03	NC_021162.1	17756470	CC	TT	TT	INTERGENIC		
SNP_11929B_17756522	Ca_Kabuli_Chr03	NC_021162.1	17756522	GG	TT	TT	INTERGENIC		
SNP_11930B_17756574	Ca_Kabuli_Chr03	NC_021162.1	17756574	AA	GG	GG	INTERGENIC		
SNP_11931B_17756717	Ca_Kabuli_Chr03	NC_021162.1	17756717	TT	CC	CC	INTERGENIC		
SNP_11932B_17757593	Ca_Kabuli_Chr03	NC_021162.1	17757593	GG	AA	AA	INTERGENIC		
SNP_11933B_17759424	Ca_Kabuli_Chr03	NC_021162.1	17759424	GG	AA	AA	INTERGENIC		
SNP_11934B_17761126	Ca_Kabuli_Chr03	NC_021162.1	17761126	AA	TT	TT	INTERGENIC		
SNP_11935B_17805415	Ca_Kabuli_Chr03	NC_021162.1	17805415	AA	GG	GG	INTRON	101504992	metallothionein-like protein 2
SNP_11936B_17874816	Ca_Kabuli_Chr03	NC_021162.1	17874816	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11937B_17874825	Ca_Kabuli_Chr03	NC_021162.1	17874825	CC	AA	AA	INTERGENIC		
SNP_11938B_17941602	Ca_Kabuli_Chr03	NC_021162.1	17941602	CC	TT	TT	INTERGENIC		
SNP_11939B_18009605	Ca_Kabuli_Chr03	NC_021162.1	18009605	TT	CC	CC	URR	101508735	expansin-A4-like
SNP_11940B_18019089	Ca_Kabuli_Chr03	NC_021162.1	18019089	AA	CC	CC	INTERGENIC		
SNP_11941B_18019101	Ca_Kabuli_Chr03	NC_021162.1	18019101	AA	GG	GG	INTERGENIC		
SNP_11942B_18019102	Ca_Kabuli_Chr03	NC_021162.1	18019102	TT	CC	CC	INTERGENIC		
SNP_11943B_18062393	Ca_Kabuli_Chr03	NC_021162.1	18062393	GG	AA	AA	INTERGENIC		
SNP_11944B_18128918	Ca_Kabuli_Chr03	NC_021162.1	18128918	AA	GG	GG	INTERGENIC		
SNP_11945B_18133205	Ca_Kabuli_Chr03	NC_021162.1	18133205	GG	AA	AA	INTERGENIC		
SNP_11946B_18133220	Ca_Kabuli_Chr03	NC_021162.1	18133220	GG	AA	AA	INTERGENIC		
SNP_11947B_18133243	Ca_Kabuli_Chr03	NC_021162.1	18133243	GG	AA	AA	INTERGENIC		
SNP_11948B_18133287	Ca_Kabuli_Chr03	NC_021162.1	18133287	GG	AA	AA	INTERGENIC		
SNP_11949B_18170547	Ca_Kabuli_Chr03	NC_021162.1	18170547	AA	GG	GG	INTERGENIC		
SNP_11950B_18170562	Ca_Kabuli_Chr03	NC_021162.1	18170562	TT	CC	CC	INTERGENIC		
SNP_11951B_18170749	Ca_Kabuli_Chr03	NC_021162.1	18170749	GG	CC	CC	INTERGENIC		
SNP_11952B_18170780	Ca_Kabuli_Chr03	NC_021162.1	18170780	AA	GG	GG	INTERGENIC		
SNP_11953B_18173347	Ca_Kabuli_Chr03	NC_021162.1	18173347	AA	GG	GG	INTERGENIC		
SNP_11954B_18173353	Ca_Kabuli_Chr03	NC_021162.1	18173353	TT	CC	CC	INTERGENIC		
SNP_11955B_18173571	Ca_Kabuli_Chr03	NC_021162.1	18173571	AA	CC	CC	DRR	101512605	uncharacterized LOC101512605
SNP_11956B_18173640	Ca_Kabuli_Chr03	NC_021162.1	18173640	TT	CC	CC	DRR	101512605	uncharacterized LOC101512605
SNP_11957B_18178781	Ca_Kabuli_Chr03	NC_021162.1	18178781	TT	CC	CC	URR	101512912	uncharacterized LOC101512912
SNP_11958B_18178797	Ca_Kabuli_Chr03	NC_021162.1	18178797	GG	AA	AA	URR	101512912	uncharacterized LOC101512912
SNP_11959B_18178799	Ca_Kabuli_Chr03	NC_021162.1	18178799	TT	CC	CC	URR	101512912	uncharacterized LOC101512912
SNP_11960B_18179312	Ca_Kabuli_Chr03	NC_021162.1	18179312	CC	AA	AA	URR	101512912	uncharacterized LOC101512912

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11961B_18190147	Ca_Kabuli_Chr03	NC_021162.1	18190147	CC	TT	TT	INTERGENIC		
SNP_11962B_18190169	Ca_Kabuli_Chr03	NC_021162.1	18190169	TT	CC	CC	INTERGENIC		
SNP_11963B_18190286	Ca_Kabuli_Chr03	NC_021162.1	18190286	GG	AA	AA	INTERGENIC		
SNP_11964B_18190333	Ca_Kabuli_Chr03	NC_021162.1	18190333	TT	GG	GG	INTERGENIC		
SNP_11965B_18190624	Ca_Kabuli_Chr03	NC_021162.1	18190624	TT	AA	AA	INTERGENIC		
SNP_11966B_18190635	Ca_Kabuli_Chr03	NC_021162.1	18190635	AA	CC	CC	INTERGENIC		
SNP_11968B_18191058	Ca_Kabuli_Chr03	NC_021162.1	18191058	AA	GG	GG	INTERGENIC		
SNP_11969B_18191090	Ca_Kabuli_Chr03	NC_021162.1	18191090	AA	TT	TT	INTERGENIC		
SNP_11970B_18191095	Ca_Kabuli_Chr03	NC_021162.1	18191095	TT	AA	AA	INTERGENIC		
SNP_11971B_18191101	Ca_Kabuli_Chr03	NC_021162.1	18191101	CC	TT	TT	INTERGENIC		
SNP_11972B_18191128	Ca_Kabuli_Chr03	NC_021162.1	18191128	CC	TT	TT	INTERGENIC		
SNP_11973B_18191136	Ca_Kabuli_Chr03	NC_021162.1	18191136	CC	TT	TT	INTERGENIC		
SNP_11974B_18191433	Ca_Kabuli_Chr03	NC_021162.1	18191433	AA	GG	GG	INTERGENIC		
SNP_11975B_18192399	Ca_Kabuli_Chr03	NC_021162.1	18192399	TT	GG	GG	INTERGENIC		
SNP_11976B_18196771	Ca_Kabuli_Chr03	NC_021162.1	18196771	TT	GG	GG	INTERGENIC		
SNP_11977B_18197007	Ca_Kabuli_Chr03	NC_021162.1	18197007	AA	GG	GG	INTERGENIC		
SNP_11978B_18197026	Ca_Kabuli_Chr03	NC_021162.1	18197026	CC	TT	TT	INTERGENIC		
SNP_11979B_18197111	Ca_Kabuli_Chr03	NC_021162.1	18197111	CC	TT	TT	INTERGENIC		
SNP_11980B_18197121	Ca_Kabuli_Chr03	NC_021162.1	18197121	TT	CC	CC	INTERGENIC		
SNP_11981B_18249302	Ca_Kabuli_Chr03	NC_021162.1	18249302	CC	TT	TT	INTERGENIC		
SNP_11982B_18253227	Ca_Kabuli_Chr03	NC_021162.1	18253227	AA	GG	GG	INTERGENIC		
SNP_11983B_18253280	Ca_Kabuli_Chr03	NC_021162.1	18253280	CC	TT	TT	INTERGENIC		
SNP_11984B_18253490	Ca_Kabuli_Chr03	NC_021162.1	18253490	GG	AA	AA	INTERGENIC		
SNP_11985B_18272689	Ca_Kabuli_Chr03	NC_021162.1	18272689	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_11986B_18272752	Ca_Kabuli_Chr03	NC_021162.1	18272752	CC	TT	TT	INTERGENIC		
SNP_11987B_18272767	Ca_Kabuli_Chr03	NC_021162.1	18272767	TT	CC	CC	INTERGENIC		
SNP_11988B_18274773	Ca_Kabuli_Chr03	NC_021162.1	18274773	TT	GG	GG	INTERGENIC		
SNP_11989B_18303044	Ca_Kabuli_Chr03	NC_021162.1	18303044	TT	CC	CC	INTERGENIC		
SNP_11990B_18303447	Ca_Kabuli_Chr03	NC_021162.1	18303447	TT	CC	CC	INTERGENIC		
SNP_11991B_18362087	Ca_Kabuli_Chr03	NC_021162.1	18362087	AA	TT	TT	INTERGENIC		
SNP_11992B_18370435	Ca_Kabuli_Chr03	NC_021162.1	18370435	TT	CC	CC	DRR	101488259	probable glutathione S-transferase
SNP_11993B_18434851	Ca_Kabuli_Chr03	NC_021162.1	18434851	AA	GG	GG	INTERGENIC		
SNP_11994B_18435140	Ca_Kabuli_Chr03	NC_021162.1	18435140	AA	GG	GG	INTERGENIC		
SNP_11995B_18435159	Ca_Kabuli_Chr03	NC_021162.1	18435159	GG	AA	AA	INTERGENIC		
SNP_11996B_18435196	Ca_Kabuli_Chr03	NC_021162.1	18435196	TT	GG	GG	INTERGENIC		
SNP_11997B_18435210	Ca_Kabuli_Chr03	NC_021162.1	18435210	TT	CC	CC	INTERGENIC		
SNP_11998B_18491181	Ca_Kabuli_Chr03	NC_021162.1	18491181	TT	GG	GG	INTERGENIC		
SNP_11999B_18574549	Ca_Kabuli_Chr03	NC_021162.1	18574549	GG	AA	AA	INTRON	101493065	uncharacterized LOC101493065
SNP_12000B_18670519	Ca_Kabuli_Chr03	NC_021162.1	18670519	TT	GG	GG	INTERGENIC		
SNP_12001B_18670826	Ca_Kabuli_Chr03	NC_021162.1	18670826	CC	TT	TT	INTERGENIC		
SNP_12002B_18755322	Ca_Kabuli_Chr03	NC_021162.1	18755322	AA	TT	TT	INTERGENIC		
SNP_12003B_18864050	Ca_Kabuli_Chr03	NC_021162.1	18864050	TT	AA	AA	INTERGENIC		
SNP_12004B_18866421	Ca_Kabuli_Chr03	NC_021162.1	18866421	AA	CC	CC	INTERGENIC		
SNP_12005B_18915019	Ca_Kabuli_Chr03	NC_021162.1	18915019	CC	TT	TT	INTERGENIC		
SNP_12007B_18972596	Ca_Kabuli_Chr03	NC_021162.1	18972596	AA	GG	GG	URR	101489268	Unknown function
SNP_12008B_19007538	Ca_Kabuli_Chr03	NC_021162.1	19007538	AA	GG	GG	INTERGENIC		
SNP_12011B_19089417	Ca_Kabuli_Chr03	NC_021162.1	19089417	TT	CC	CC	NON_SYNONYMOUS_CODING	101490564	uncharacterized LOC101490564
SNP_12012B_19089456	Ca_Kabuli_Chr03	NC_021162.1	19089456	TT	GG	GG	NON_SYNONYMOUS_CODING	101490564	uncharacterized LOC101490564

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_12013B_19089483	Ca_Kabuli_Chr03	NC_021162.1	19089483	AA	GG	GG	NON_SYNONYMOUS_CODING	101490564	uncharacterized LOC101490564
SNP_12014B_19089496	Ca_Kabuli_Chr03	NC_021162.1	19089496	TT	CC	CC	NON_SYNONYMOUS_CODING	101490564	uncharacterized LOC101490564
SNP_12015B_19089515	Ca_Kabuli_Chr03	NC_021162.1	19089515	GG	AA	AA	NON_SYNONYMOUS_CODING	101490564	uncharacterized LOC101490564
SNP_12016B_19196406	Ca_Kabuli_Chr03	NC_021162.1	19196406	CC	TT	TT	INTERGENIC		
SNP_12017B_19196511	Ca_Kabuli_Chr03	NC_021162.1	19196511	AA	TT	TT	INTERGENIC		
SNP_12018B_19196834	Ca_Kabuli_Chr03	NC_021162.1	19196834	AA	CC	CC	INTERGENIC		
SNP_12019B_19198551	Ca_Kabuli_Chr03	NC_021162.1	19198551	GG	AA	AA	INTERGENIC		
SNP_12020B_19198639	Ca_Kabuli_Chr03	NC_021162.1	19198639	TT	GG	GG	INTERGENIC		
SNP_12021B_19198654	Ca_Kabuli_Chr03	NC_021162.1	19198654	TT	CC	CC	INTERGENIC		
SNP_12022B_19198771	Ca_Kabuli_Chr03	NC_021162.1	19198771	TT	CC	CC	INTERGENIC		
SNP_12023B_19198864	Ca_Kabuli_Chr03	NC_021162.1	19198864	TT	CC	CC	INTERGENIC		
SNP_12024B_19198896	Ca_Kabuli_Chr03	NC_021162.1	19198896	TT	CC	CC	INTERGENIC		
SNP_12025B_19198953	Ca_Kabuli_Chr03	NC_021162.1	19198953	TT	CC	CC	INTERGENIC		
SNP_12026B_19198990	Ca_Kabuli_Chr03	NC_021162.1	19198990	TT	GG	GG	INTERGENIC		
SNP_12027B_19199019	Ca_Kabuli_Chr03	NC_021162.1	19199019	AA	CC	CC	INTERGENIC		
SNP_12028B_19347444	Ca_Kabuli_Chr03	NC_021162.1	19347444	CC	TT	TT	URR	101507570	RNA polymerase II C-terminal domain phosphatase-like 2
SNP_12029B_19357223	Ca_Kabuli_Chr03	NC_021162.1	19357223	CC	GG	GG	INTRON	101508421	uncharacterized LOC101508421
SNP_12030B_19357461	Ca_Kabuli_Chr03	NC_021162.1	19357461	AA	CC	CC	URR	101508421	uncharacterized LOC101508421
SNP_12031B_19357487	Ca_Kabuli_Chr03	NC_021162.1	19357487	CC	AA	AA	URR	101508421	uncharacterized LOC101508421
SNP_12032B_19357721	Ca_Kabuli_Chr03	NC_021162.1	19357721	CC	AA	AA	URR	101508421	uncharacterized LOC101508421
SNP_12033B_19357783	Ca_Kabuli_Chr03	NC_021162.1	19357783	TT	AA	AA	URR	101508421	uncharacterized LOC101508421
SNP_12034B_19357788	Ca_Kabuli_Chr03	NC_021162.1	19357788	CC	TT	TT	URR	101508421	uncharacterized LOC101508421
SNP_12035B_19357930	Ca_Kabuli_Chr03	NC_021162.1	19357930	CC	TT	TT	URR	101508421	uncharacterized LOC101508421
SNP_12036B_19357972	Ca_Kabuli_Chr03	NC_021162.1	19357972	TT	CC	CC	URR	101508421	uncharacterized LOC101508421

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_12037B_19358021	Ca_Kabuli_Chr03	NC_021162.1	19358021	CC	TT	TT	URR	101508421	uncharacterized LOC101508421
SNP_12038B_19358108	Ca_Kabuli_Chr03	NC_021162.1	19358108	AA	GG	GG	URR	101508421	uncharacterized LOC101508421
SNP_12039B_19358186	Ca_Kabuli_Chr03	NC_021162.1	19358186	AA	GG	GG	URR	101508421	uncharacterized LOC101508421
SNP_12040B_19358343	Ca_Kabuli_Chr03	NC_021162.1	19358343	CC	TT	TT	URR	101508421	uncharacterized LOC101508421
SNP_12041B_19358347	Ca_Kabuli_Chr03	NC_021162.1	19358347	TT	CC	CC	URR	101508421	uncharacterized LOC101508421
SNP_12042B_19358380	Ca_Kabuli_Chr03	NC_021162.1	19358380	CC	AA	AA	URR	101508421	uncharacterized LOC101508421
SNP_12043B_19358678	Ca_Kabuli_Chr03	NC_021162.1	19358678	GG	AA	AA	URR	101508421	uncharacterized LOC101508421
SNP_12044B_19358710	Ca_Kabuli_Chr03	NC_021162.1	19358710	CC	TT	TT	URR	101508421	uncharacterized LOC101508421
SNP_12045B_19358718	Ca_Kabuli_Chr03	NC_021162.1	19358718	GG	AA	AA	URR	101508421	uncharacterized LOC101508421
SNP_12046B_19358734	Ca_Kabuli_Chr03	NC_021162.1	19358734	CC	TT	TT	URR	101508421	uncharacterized LOC101508421
SNP_12047B_19358834	Ca_Kabuli_Chr03	NC_021162.1	19358834	CC	AA	AA	URR	101508421	uncharacterized LOC101508421
SNP_12048B_19358877	Ca_Kabuli_Chr03	NC_021162.1	19358877	CC	GG	GG	DRR	101491208	zinc finger MYM-type protein 1-like
SNP_12049B_19358880	Ca_Kabuli_Chr03	NC_021162.1	19358880	TT	CC	CC	DRR	101491208	zinc finger MYM-type protein 1-like
SNP_12050B_19358954	Ca_Kabuli_Chr03	NC_021162.1	19358954	AA	TT	TT	DRR	101491208	zinc finger MYM-type protein 1-like
SNP_12051B_19358967	Ca_Kabuli_Chr03	NC_021162.1	19358967	GG	AA	AA	DRR	101491208	zinc finger MYM-type protein 1-like
SNP_12052B_19358993	Ca_Kabuli_Chr03	NC_021162.1	19358993	AA	GG	GG	DRR	101491208	zinc finger MYM-type protein 1-like
SNP_12054B_19359053	Ca_Kabuli_Chr03	NC_021162.1	19359053	GG	AA	AA	DRR	101491208	zinc finger MYM-type protein 1-like
SNP_12055B_19359111	Ca_Kabuli_Chr03	NC_021162.1	19359111	CC	TT	TT	DRR	101491208	zinc finger MYM-type protein 1-like
SNP_12056B_19359147	Ca_Kabuli_Chr03	NC_021162.1	19359147	GG	CC	CC	DRR	101491208	zinc finger MYM-type protein 1-like
SNP_12057B_19359151	Ca_Kabuli_Chr03	NC_021162.1	19359151	GG	CC	CC	DRR	101491208	zinc finger MYM-type protein 1-like
SNP_12058B_19359153	Ca_Kabuli_Chr03	NC_021162.1	19359153	GG	TT	TT	DRR	101491208	zinc finger MYM-type protein 1-like
SNP_12059B_19359188	Ca_Kabuli_Chr03	NC_021162.1	19359188	CC	TT	TT	DRR	101491208	zinc finger MYM-type protein 1-like
SNP_12060B_19359189	Ca_Kabuli_Chr03	NC_021162.1	19359189	TT	GG	GG	DRR	101491208	zinc finger MYM-type protein 1-like
SNP_12061B_19359254	Ca_Kabuli_Chr03	NC_021162.1	19359254	AA	GG	GG	DRR	101491208	zinc finger MYM-type protein 1-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_12062B_19359309	Ca_Kabuli_Chr03	NC_021162.1	19359309	AA	TT	TT	DRR	101491208	zinc finger MYM-type protein 1-like
SNP_12063B_19359310	Ca_Kabuli_Chr03	NC_021162.1	19359310	GG	CC	CC	DRR	101491208	zinc finger MYM-type protein 1-like
SNP_12065B_19359455	Ca_Kabuli_Chr03	NC_021162.1	19359455	AA	TT	TT	DRR	101491208	zinc finger MYM-type protein 1-like
SNP_12066B_19359494	Ca_Kabuli_Chr03	NC_021162.1	19359494	CC	TT	TT	DRR	101491208	zinc finger MYM-type protein 1-like
SNP_12067B_19359510	Ca_Kabuli_Chr03	NC_021162.1	19359510	AA	GG	GG	DRR	101491208	zinc finger MYM-type protein 1-like
SNP_12068B_19359522	Ca_Kabuli_Chr03	NC_021162.1	19359522	CC	TT	TT	DRR	101491208	zinc finger MYM-type protein 1-like
SNP_12069B_19359528	Ca_Kabuli_Chr03	NC_021162.1	19359528	TT	CC	CC	DRR	101491208	zinc finger MYM-type protein 1-like
SNP_12070B_19359557	Ca_Kabuli_Chr03	NC_021162.1	19359557	CC	TT	TT	DRR	101491208	zinc finger MYM-type protein 1-like
SNP_12071B_19359562	Ca_Kabuli_Chr03	NC_021162.1	19359562	TT	CC	CC	DRR	101491208	zinc finger MYM-type protein 1-like
SNP_12072B_19359576	Ca_Kabuli_Chr03	NC_021162.1	19359576	TT	GG	GG	DRR	101491208	zinc finger MYM-type protein 1-like
SNP_12073B_19359580	Ca_Kabuli_Chr03	NC_021162.1	19359580	CC	TT	TT	DRR	101491208	zinc finger MYM-type protein 1-like
SNP_12074B_19359641	Ca_Kabuli_Chr03	NC_021162.1	19359641	GG	AA	AA	DRR	101491208	zinc finger MYM-type protein 1-like
SNP_12075B_19359749	Ca_Kabuli_Chr03	NC_021162.1	19359749	TT	CC	CC	DRR	101491208	zinc finger MYM-type protein 1-like
SNP_12076B_19359834	Ca_Kabuli_Chr03	NC_021162.1	19359834	TT	GG	GG	DRR	101491208	zinc finger MYM-type protein 1-like
SNP_12077B_19359992	Ca_Kabuli_Chr03	NC_021162.1	19359992	CC	TT	TT	INTERGENIC		
SNP_12078B_19360078	Ca_Kabuli_Chr03	NC_021162.1	19360078	AA	GG	GG	INTERGENIC		
SNP_12079B_19360198	Ca_Kabuli_Chr03	NC_021162.1	19360198	AA	CC	CC	INTERGENIC		
SNP_12080B_19360261	Ca_Kabuli_Chr03	NC_021162.1	19360261	AA	CC	CC	INTERGENIC		
SNP_12081B_19360674	Ca_Kabuli_Chr03	NC_021162.1	19360674	AA	GG	GG	INTERGENIC		
SNP_12082B_19360680	Ca_Kabuli_Chr03	NC_021162.1	19360680	CC	GG	GG	INTERGENIC		
SNP_12083B_19360710	Ca_Kabuli_Chr03	NC_021162.1	19360710	GG	AA	AA	INTERGENIC		
SNP_12084B_19361040	Ca_Kabuli_Chr03	NC_021162.1	19361040	GG	TT	TT	INTERGENIC		
SNP_12085B_19361143	Ca_Kabuli_Chr03	NC_021162.1	19361143	CC	TT	TT	INTERGENIC		
SNP_12086B_19361153	Ca_Kabuli_Chr03	NC_021162.1	19361153	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_12087B_19361274	Ca_Kabuli_Chr03	NC_021162.1	19361274	CC	TT	TT	INTERGENIC		
SNP_12088B_19361640	Ca_Kabuli_Chr03	NC_021162.1	19361640	AA	GG	GG	INTERGENIC		
SNP_12089B_19361653	Ca_Kabuli_Chr03	NC_021162.1	19361653	AA	GG	GG	INTERGENIC		
SNP_12090B_19361968	Ca_Kabuli_Chr03	NC_021162.1	19361968	TT	AA	AA	INTERGENIC		
SNP_12091B_19362033	Ca_Kabuli_Chr03	NC_021162.1	19362033	TT	AA	AA	INTERGENIC		
SNP_12092B_19362034	Ca_Kabuli_Chr03	NC_021162.1	19362034	GG	AA	AA	INTERGENIC		
SNP_12093B_19362035	Ca_Kabuli_Chr03	NC_021162.1	19362035	CC	AA	AA	INTERGENIC		
SNP_12094B_19362043	Ca_Kabuli_Chr03	NC_021162.1	19362043	AA	TT	TT	INTERGENIC		
SNP_12095B_19362069	Ca_Kabuli_Chr03	NC_021162.1	19362069	TT	CC	CC	INTERGENIC		
SNP_12096B_19362113	Ca_Kabuli_Chr03	NC_021162.1	19362113	CC	TT	TT	INTERGENIC		
SNP_12098B_19366628	Ca_Kabuli_Chr03	NC_021162.1	19366628	TT	CC	CC	INTERGENIC		
SNP_12100B_19367244	Ca_Kabuli_Chr03	NC_021162.1	19367244	CC	TT	TT	URR	101508736	uncharacterized LOC101508736
SNP_12101B_19367265	Ca_Kabuli_Chr03	NC_021162.1	19367265	GG	AA	AA	URR	101508736	uncharacterized LOC101508736
SNP_12102B_19367432	Ca_Kabuli_Chr03	NC_021162.1	19367432	GG	AA	AA	URR	101508736	uncharacterized LOC101508736
SNP_12103B_19367540	Ca_Kabuli_Chr03	NC_021162.1	19367540	AA	TT	TT	URR	101508736	uncharacterized LOC101508736
SNP_12104B_19367596	Ca_Kabuli_Chr03	NC_021162.1	19367596	AA	TT	TT	URR	101508736	uncharacterized LOC101508736
SNP_12105B_19367688	Ca_Kabuli_Chr03	NC_021162.1	19367688	AA	TT	TT	URR	101508736	uncharacterized LOC101508736
SNP_12106B_19367815	Ca_Kabuli_Chr03	NC_021162.1	19367815	CC	AA	AA	URR	101508736	uncharacterized LOC101508736
SNP_12107B_19367904	Ca_Kabuli_Chr03	NC_021162.1	19367904	CC	AA	AA	URR	101508736	uncharacterized LOC101508736
SNP_12108B_19367941	Ca_Kabuli_Chr03	NC_021162.1	19367941	CC	TT	TT	URR	101508736	uncharacterized LOC101508736
SNP_12109B_19368421	Ca_Kabuli_Chr03	NC_021162.1	19368421	AA	GG	GG	URR	101508736	uncharacterized LOC101508736
SNP_12110B_19368460	Ca_Kabuli_Chr03	NC_021162.1	19368460	CC	AA	AA	URR	101508736	uncharacterized LOC101508736
SNP_12111B_19368514	Ca_Kabuli_Chr03	NC_021162.1	19368514	AA	TT	TT	URR	101508736	uncharacterized LOC101508736
SNP_12113B_19368598	Ca_Kabuli_Chr03	NC_021162.1	19368598	AA	GG	GG	URR	101508736	uncharacterized LOC101508736

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_12114B_19368881	Ca_Kabuli_Chr03	NC_021162.1	19368881	TT	AA	AA	INTERGENIC		
SNP_12115B_19369150	Ca_Kabuli_Chr03	NC_021162.1	19369150	TT	GG	GG	INTERGENIC		
SNP_12116B_19369196	Ca_Kabuli_Chr03	NC_021162.1	19369196	GG	AA	AA	INTERGENIC		
SNP_12117B_19369312	Ca_Kabuli_Chr03	NC_021162.1	19369312	AA	TT	TT	INTERGENIC		
SNP_12118B_19369587	Ca_Kabuli_Chr03	NC_021162.1	19369587	CC	TT	TT	INTERGENIC		
SNP_12119B_19369590	Ca_Kabuli_Chr03	NC_021162.1	19369590	AA	CC	CC	INTERGENIC		
SNP_12120B_19369627	Ca_Kabuli_Chr03	NC_021162.1	19369627	AA	GG	GG	INTERGENIC		
SNP_12121B_19370429	Ca_Kabuli_Chr03	NC_021162.1	19370429	AA	CC	CC	INTERGENIC		
SNP_12122B_19370503	Ca_Kabuli_Chr03	NC_021162.1	19370503	TT	AA	AA	INTERGENIC		
SNP_12123B_19370827	Ca_Kabuli_Chr03	NC_021162.1	19370827	GG	AA	AA	INTERGENIC		
SNP_12124B_19370857	Ca_Kabuli_Chr03	NC_021162.1	19370857	GG	TT	TT	INTERGENIC		
SNP_12125B_19373237	Ca_Kabuli_Chr03	NC_021162.1	19373237	AA	TT	TT	INTERGENIC		
SNP_12126B_19373371	Ca_Kabuli_Chr03	NC_021162.1	19373371	TT	AA	AA	INTERGENIC		
SNP_12127B_19373419	Ca_Kabuli_Chr03	NC_021162.1	19373419	TT	CC	CC	INTERGENIC		
SNP_12128B_19373527	Ca_Kabuli_Chr03	NC_021162.1	19373527	AA	TT	TT	INTERGENIC		
SNP_12129B_19373558	Ca_Kabuli_Chr03	NC_021162.1	19373558	GG	AA	AA	INTERGENIC		
SNP_12130B_19373579	Ca_Kabuli_Chr03	NC_021162.1	19373579	CC	TT	TT	INTERGENIC		
SNP_12131B_19373625	Ca_Kabuli_Chr03	NC_021162.1	19373625	CC	AA	AA	INTERGENIC		
SNP_12132B_19373629	Ca_Kabuli_Chr03	NC_021162.1	19373629	TT	CC	CC	INTERGENIC		
SNP_12134B_19373968	Ca_Kabuli_Chr03	NC_021162.1	19373968	AA	GG	GG	INTERGENIC		
SNP_12135B_19374000	Ca_Kabuli_Chr03	NC_021162.1	19374000	AA	TT	TT	INTERGENIC		
SNP_12136B_19374012	Ca_Kabuli_Chr03	NC_021162.1	19374012	TT	CC	CC	INTERGENIC		
SNP_12137B_19374013	Ca_Kabuli_Chr03	NC_021162.1	19374013	TT	CC	CC	INTERGENIC		
SNP_12138B_19374024	Ca_Kabuli_Chr03	NC_021162.1	19374024	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_12139B_19374038	Ca_Kabuli_Chr03	NC_021162.1	19374038	AA	CC	CC	INTERGENIC		
SNP_12140B_19374046	Ca_Kabuli_Chr03	NC_021162.1	19374046	AA	TT	TT	INTERGENIC		
SNP_12141B_19374051	Ca_Kabuli_Chr03	NC_021162.1	19374051	CC	TT	TT	INTERGENIC		
SNP_12142B_19374102	Ca_Kabuli_Chr03	NC_021162.1	19374102	TT	AA	AA	INTERGENIC		
SNP_12143B_19374150	Ca_Kabuli_Chr03	NC_021162.1	19374150	TT	CC	CC	INTERGENIC		
SNP_12144B_19374352	Ca_Kabuli_Chr03	NC_021162.1	19374352	GG	TT	TT	INTERGENIC		
SNP_12145B_19374538	Ca_Kabuli_Chr03	NC_021162.1	19374538	CC	AA	AA	INTERGENIC		
SNP_12146B_19374606	Ca_Kabuli_Chr03	NC_021162.1	19374606	CC	TT	TT	INTERGENIC		
SNP_12147B_19374611	Ca_Kabuli_Chr03	NC_021162.1	19374611	TT	GG	GG	INTERGENIC		
SNP_12148B_19374638	Ca_Kabuli_Chr03	NC_021162.1	19374638	TT	GG	GG	INTERGENIC		
SNP_12149B_19374732	Ca_Kabuli_Chr03	NC_021162.1	19374732	CC	GG	GG	INTERGENIC		
SNP_12150B_19375012	Ca_Kabuli_Chr03	NC_021162.1	19375012	TT	AA	AA	INTERGENIC		
SNP_12151B_19375020	Ca_Kabuli_Chr03	NC_021162.1	19375020	AA	GG	GG	INTERGENIC		
SNP_12152B_19375031	Ca_Kabuli_Chr03	NC_021162.1	19375031	AA	GG	GG	INTERGENIC		
SNP_12155B_19375138	Ca_Kabuli_Chr03	NC_021162.1	19375138	GG	AA	AA	INTERGENIC		
SNP_12156B_19375145	Ca_Kabuli_Chr03	NC_021162.1	19375145	AA	GG	GG	INTERGENIC		
SNP_12157B_19375191	Ca_Kabuli_Chr03	NC_021162.1	19375191	AA	CC	CC	INTERGENIC		
SNP_12158B_19375219	Ca_Kabuli_Chr03	NC_021162.1	19375219	TT	AA	AA	INTERGENIC		
SNP_12159B_19375236	Ca_Kabuli_Chr03	NC_021162.1	19375236	GG	AA	AA	INTERGENIC		
SNP_12160B_19375292	Ca_Kabuli_Chr03	NC_021162.1	19375292	CC	TT	TT	INTERGENIC		
SNP_12161B_19375438	Ca_Kabuli_Chr03	NC_021162.1	19375438	TT	GG	GG	INTERGENIC		
SNP_12162B_19375505	Ca_Kabuli_Chr03	NC_021162.1	19375505	TT	GG	GG	INTERGENIC		
SNP_12163B_19375539	Ca_Kabuli_Chr03	NC_021162.1	19375539	AA	GG	GG	INTERGENIC		
SNP_12165B_19376104	Ca_Kabuli_Chr03	NC_021162.1	19376104	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_12166B_19376201	Ca_Kabuli_Chr03	NC_021162.1	19376201	CC	TT	TT	INTERGENIC		
SNP_12167B_19376255	Ca_Kabuli_Chr03	NC_021162.1	19376255	CC	TT	TT	INTERGENIC		
SNP_12168B_19376296	Ca_Kabuli_Chr03	NC_021162.1	19376296	GG	AA	AA	INTERGENIC		
SNP_12169B_19376356	Ca_Kabuli_Chr03	NC_021162.1	19376356	CC	TT	TT	INTERGENIC		
SNP_12170B_19376443	Ca_Kabuli_Chr03	NC_021162.1	19376443	GG	TT	TT	INTERGENIC		
SNP_12171B_19376495	Ca_Kabuli_Chr03	NC_021162.1	19376495	TT	CC	CC	INTERGENIC		
SNP_12172B_19376528	Ca_Kabuli_Chr03	NC_021162.1	19376528	TT	CC	CC	INTERGENIC		
SNP_12173B_19376562	Ca_Kabuli_Chr03	NC_021162.1	19376562	AA	GG	GG	INTERGENIC		
SNP_12174B_19376579	Ca_Kabuli_Chr03	NC_021162.1	19376579	AA	GG	GG	INTERGENIC		
SNP_12175B_19376603	Ca_Kabuli_Chr03	NC_021162.1	19376603	TT	AA	AA	INTERGENIC		
SNP_12176B_19376838	Ca_Kabuli_Chr03	NC_021162.1	19376838	GG	AA	AA	INTERGENIC		
SNP_12177B_19380292	Ca_Kabuli_Chr03	NC_021162.1	19380292	CC	TT	TT	INTERGENIC		
SNP_12178B_19380371	Ca_Kabuli_Chr03	NC_021162.1	19380371	CC	TT	TT	INTERGENIC		
SNP_12179B_19380434	Ca_Kabuli_Chr03	NC_021162.1	19380434	TT	GG	GG	INTERGENIC		
SNP_12180B_19380490	Ca_Kabuli_Chr03	NC_021162.1	19380490	GG	AA	AA	INTERGENIC		
SNP_12181B_19380582	Ca_Kabuli_Chr03	NC_021162.1	19380582	TT	CC	CC	INTERGENIC		
SNP_12182B_19380625	Ca_Kabuli_Chr03	NC_021162.1	19380625	GG	AA	AA	INTERGENIC		
SNP_12183B_19380659	Ca_Kabuli_Chr03	NC_021162.1	19380659	TT	CC	CC	INTERGENIC		
SNP_12184B_19380721	Ca_Kabuli_Chr03	NC_021162.1	19380721	TT	CC	CC	INTERGENIC		
SNP_12185B_19380769	Ca_Kabuli_Chr03	NC_021162.1	19380769	TT	CC	CC	INTERGENIC		
SNP_12186B_19380799	Ca_Kabuli_Chr03	NC_021162.1	19380799	TT	CC	CC	INTERGENIC		
SNP_12187B_19380962	Ca_Kabuli_Chr03	NC_021162.1	19380962	GG	TT	TT	INTERGENIC		
SNP_12188B_19380966	Ca_Kabuli_Chr03	NC_021162.1	19380966	TT	CC	CC	INTERGENIC		
SNP_12189B_19381019	Ca_Kabuli_Chr03	NC_021162.1	19381019	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_12190B_19381034	Ca_Kabuli_Chr03	NC_021162.1	19381034	TT	AA	AA	INTERGENIC		
SNP_12191B_19381107	Ca_Kabuli_Chr03	NC_021162.1	19381107	GG	AA	AA	INTERGENIC		
SNP_12192B_19381306	Ca_Kabuli_Chr03	NC_021162.1	19381306	CC	TT	TT	INTERGENIC		
SNP_12193B_19381428	Ca_Kabuli_Chr03	NC_021162.1	19381428	CC	TT	TT	INTERGENIC		
SNP_12194B_19381453	Ca_Kabuli_Chr03	NC_021162.1	19381453	TT	GG	GG	INTERGENIC		
SNP_12195B_19381656	Ca_Kabuli_Chr03	NC_021162.1	19381656	AA	GG	GG	INTERGENIC		
SNP_12196B_19381787	Ca_Kabuli_Chr03	NC_021162.1	19381787	GG	AA	AA	INTERGENIC		
SNP_12197B_19381804	Ca_Kabuli_Chr03	NC_021162.1	19381804	TT	CC	CC	INTERGENIC		
SNP_12198B_19381839	Ca_Kabuli_Chr03	NC_021162.1	19381839	CC	AA	AA	INTERGENIC		
SNP_12199B_19381894	Ca_Kabuli_Chr03	NC_021162.1	19381894	AA	CC	CC	INTERGENIC		
SNP_12200B_19381919	Ca_Kabuli_Chr03	NC_021162.1	19381919	CC	TT	TT	INTERGENIC		
SNP_12201B_19382193	Ca_Kabuli_Chr03	NC_021162.1	19382193	TT	CC	CC	INTERGENIC		
SNP_12202B_19382254	Ca_Kabuli_Chr03	NC_021162.1	19382254	GG	AA	AA	INTERGENIC		
SNP_12203B_19382269	Ca_Kabuli_Chr03	NC_021162.1	19382269	GG	AA	AA	INTERGENIC		
SNP_12204B_19382500	Ca_Kabuli_Chr03	NC_021162.1	19382500	TT	GG	GG	INTERGENIC		
SNP_12206B_19383542	Ca_Kabuli_Chr03	NC_021162.1	19383542	AA	GG	GG	INTERGENIC		
SNP_12207B_19383555	Ca_Kabuli_Chr03	NC_021162.1	19383555	CC	TT	TT	INTERGENIC		
SNP_12208B_19383714	Ca_Kabuli_Chr03	NC_021162.1	19383714	GG	AA	AA	INTERGENIC		
SNP_12209B_19383772	Ca_Kabuli_Chr03	NC_021162.1	19383772	CC	TT	TT	INTERGENIC		
SNP_12211B_19384022	Ca_Kabuli_Chr03	NC_021162.1	19384022	GG	AA	AA	INTERGENIC		
SNP_12212B_19384055	Ca_Kabuli_Chr03	NC_021162.1	19384055	AA	GG	GG	INTERGENIC		
SNP_12213B_19384089	Ca_Kabuli_Chr03	NC_021162.1	19384089	AA	GG	GG	INTERGENIC		
SNP_12214B_19384093	Ca_Kabuli_Chr03	NC_021162.1	19384093	CC	TT	TT	INTERGENIC		
SNP_12215B_19384108	Ca_Kabuli_Chr03	NC_021162.1	19384108	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_12216B_19384125	Ca_Kabuli_Chr03	NC_021162.1	19384125	GG	AA	AA	INTERGENIC		
SNP_12217B_19384126	Ca_Kabuli_Chr03	NC_021162.1	19384126	GG	AA	AA	INTERGENIC		
SNP_12218B_19385025	Ca_Kabuli_Chr03	NC_021162.1	19385025	GG	AA	AA	INTERGENIC		
SNP_12219B_19385079	Ca_Kabuli_Chr03	NC_021162.1	19385079	AA	GG	GG	INTERGENIC		
SNP_12220B_19385144	Ca_Kabuli_Chr03	NC_021162.1	19385144	CC	AA	AA	INTERGENIC		
SNP_12221B_19385147	Ca_Kabuli_Chr03	NC_021162.1	19385147	CC	TT	TT	INTERGENIC		
SNP_12222B_19385179	Ca_Kabuli_Chr03	NC_021162.1	19385179	AA	GG	GG	INTERGENIC		
SNP_12223B_19385271	Ca_Kabuli_Chr03	NC_021162.1	19385271	TT	CC	CC	INTERGENIC		
SNP_12224B_19385318	Ca_Kabuli_Chr03	NC_021162.1	19385318	AA	GG	GG	INTERGENIC		
SNP_12225B_19385371	Ca_Kabuli_Chr03	NC_021162.1	19385371	GG	AA	AA	INTERGENIC		
SNP_12226B_19385519	Ca_Kabuli_Chr03	NC_021162.1	19385519	TT	CC	CC	INTERGENIC		
SNP_12227B_19385526	Ca_Kabuli_Chr03	NC_021162.1	19385526	CC	TT	TT	INTERGENIC		
SNP_12228B_19385570	Ca_Kabuli_Chr03	NC_021162.1	19385570	AA	TT	TT	INTERGENIC		
SNP_12229B_19385609	Ca_Kabuli_Chr03	NC_021162.1	19385609	TT	CC	CC	INTERGENIC		
SNP_12230B_19385618	Ca_Kabuli_Chr03	NC_021162.1	19385618	TT	AA	AA	INTERGENIC		
SNP_12231B_19385645	Ca_Kabuli_Chr03	NC_021162.1	19385645	AA	GG	GG	INTERGENIC		
SNP_12232B_19385650	Ca_Kabuli_Chr03	NC_021162.1	19385650	AA	GG	GG	INTERGENIC		
SNP_12233B_19385655	Ca_Kabuli_Chr03	NC_021162.1	19385655	CC	TT	TT	INTERGENIC		
SNP_12234B_19385753	Ca_Kabuli_Chr03	NC_021162.1	19385753	TT	CC	CC	INTERGENIC		
SNP_12235B_19385808	Ca_Kabuli_Chr03	NC_021162.1	19385808	GG	CC	CC	INTERGENIC		
SNP_12236B_19385972	Ca_Kabuli_Chr03	NC_021162.1	19385972	GG	AA	AA	INTERGENIC		
SNP_12237B_19385976	Ca_Kabuli_Chr03	NC_021162.1	19385976	GG	AA	AA	INTERGENIC		
SNP_12238B_19385982	Ca_Kabuli_Chr03	NC_021162.1	19385982	AA	GG	GG	INTERGENIC		
SNP_12239B_19386037	Ca_Kabuli_Chr03	NC_021162.1	19386037	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_12240B_19386044	Ca_Kabuli_Chr03	NC_021162.1	19386044	TT	CC	CC	INTERGENIC		
SNP_12241B_19386061	Ca_Kabuli_Chr03	NC_021162.1	19386061	AA	GG	GG	INTERGENIC		
SNP_12242B_19386096	Ca_Kabuli_Chr03	NC_021162.1	19386096	GG	AA	AA	INTERGENIC		
SNP_12243B_19386105	Ca_Kabuli_Chr03	NC_021162.1	19386105	GG	CC	CC	INTERGENIC		
SNP_12244B_19386142	Ca_Kabuli_Chr03	NC_021162.1	19386142	AA	GG	GG	INTERGENIC		
SNP_12247B_19402926	Ca_Kabuli_Chr03	NC_021162.1	19402926	TT	CC	CC	INTERGENIC		
SNP_12248B_19402946	Ca_Kabuli_Chr03	NC_021162.1	19402946	AA	CC	CC	INTERGENIC		
SNP_12249B_19402952	Ca_Kabuli_Chr03	NC_021162.1	19402952	TT	CC	CC	INTERGENIC		
SNP_12250B_19402975	Ca_Kabuli_Chr03	NC_021162.1	19402975	AA	GG	GG	INTERGENIC		
SNP_12251B_19402981	Ca_Kabuli_Chr03	NC_021162.1	19402981	AA	GG	GG	INTERGENIC		
SNP_12253B_19452875	Ca_Kabuli_Chr03	NC_021162.1	19452875	TT	CC	CC	URR	101510878	protein root UVB sensitive 5
SNP_12254B_19452892	Ca_Kabuli_Chr03	NC_021162.1	19452892	TT	CC	CC	URR	101510878	protein root UVB sensitive 5
SNP_12255B_19452934	Ca_Kabuli_Chr03	NC_021162.1	19452934	CC	GG	GG	URR	101510878	protein root UVB sensitive 5
SNP_12256B_19481413	Ca_Kabuli_Chr03	NC_021162.1	19481413	TT	GG	GG	INTERGENIC		
SNP_12257B_19494405	Ca_Kabuli_Chr03	NC_021162.1	19494405	AA	CC	CC	INTERGENIC		
SNP_12258B_19555475	Ca_Kabuli_Chr03	NC_021162.1	19555475	CC	TT	TT	INTERGENIC		
SNP_12259B_19556609	Ca_Kabuli_Chr03	NC_021162.1	19556609	GG	AA	AA	INTERGENIC		
SNP_12260B_19556657	Ca_Kabuli_Chr03	NC_021162.1	19556657	AA	GG	GG	INTERGENIC		
SNP_12261B_19634322	Ca_Kabuli_Chr03	NC_021162.1	19634322	AA	GG	GG	INTERGENIC		
SNP_12262B_19634370	Ca_Kabuli_Chr03	NC_021162.1	19634370	CC	TT	TT	INTERGENIC		
SNP_12263B_19636503	Ca_Kabuli_Chr03	NC_021162.1	19636503	CC	GG	GG	INTERGENIC		
SNP_12264B_19639561	Ca_Kabuli_Chr03	NC_021162.1	19639561	TT	CC	CC	INTERGENIC		
SNP_12265B_19639939	Ca_Kabuli_Chr03	NC_021162.1	19639939	GG	AA	AA	INTERGENIC		
SNP_12266B_19639973	Ca_Kabuli_Chr03	NC_021162.1	19639973	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_12267B_19639989	Ca_Kabuli_Chr03	NC_021162.1	19639989	TT	GG	GG	INTERGENIC		
SNP_12268B_19639992	Ca_Kabuli_Chr03	NC_021162.1	19639992	AA	TT	TT	INTERGENIC		
SNP_12269B_19640018	Ca_Kabuli_Chr03	NC_021162.1	19640018	GG	CC	CC	INTERGENIC		
SNP_12270B_19688198	Ca_Kabuli_Chr03	NC_021162.1	19688198	GG	CC	CC	INTERGENIC		
SNP_12271B_19688207	Ca_Kabuli_Chr03	NC_021162.1	19688207	TT	CC	CC	INTERGENIC		
SNP_12272B_19688210	Ca_Kabuli_Chr03	NC_021162.1	19688210	AA	TT	TT	INTERGENIC		
SNP_12273B_19688212	Ca_Kabuli_Chr03	NC_021162.1	19688212	GG	TT	TT	INTERGENIC		
SNP_12274B_19688226	Ca_Kabuli_Chr03	NC_021162.1	19688226	AA	CC	CC	INTERGENIC		
SNP_12275B_19688719	Ca_Kabuli_Chr03	NC_021162.1	19688719	GG	AA	AA	INTERGENIC		
SNP_12276B_19688748	Ca_Kabuli_Chr03	NC_021162.1	19688748	GG	AA	AA	INTERGENIC		
SNP_12277B_19702398	Ca_Kabuli_Chr03	NC_021162.1	19702398	AA	TT	TT	INTERGENIC		
SNP_12278B_19702417	Ca_Kabuli_Chr03	NC_021162.1	19702417	GG	TT	TT	INTERGENIC		
SNP_12279B_19735115	Ca_Kabuli_Chr03	NC_021162.1	19735115	CC	AA	AA	INTERGENIC		
SNP_12280B_19740917	Ca_Kabuli_Chr03	NC_021162.1	19740917	CC	AA	AA	INTERGENIC		
SNP_12281B_19742599	Ca_Kabuli_Chr03	NC_021162.1	19742599	TT	AA	AA	INTERGENIC		
SNP_12282B_19771899	Ca_Kabuli_Chr03	NC_021162.1	19771899	TT	CC	CC	INTERGENIC		
SNP_12283B_19901997	Ca_Kabuli_Chr03	NC_021162.1	19901997	AA	GG	GG	INTERGENIC		
SNP_12284B_19960101	Ca_Kabuli_Chr03	NC_021162.1	19960101	AA	GG	GG	URR	101488385	uncharacterized LOC101488385
SNP_12285B_19960175	Ca_Kabuli_Chr03	NC_021162.1	19960175	GG	AA	AA	URR	101488385	uncharacterized LOC101488385
SNP_12287B_19961010	Ca_Kabuli_Chr03	NC_021162.1	19961010	CC	TT	TT	URR	101488385	uncharacterized LOC101488385
SNP_12288B_19961016	Ca_Kabuli_Chr03	NC_021162.1	19961016	AA	CC	CC	URR	101488385	uncharacterized LOC101488385
SNP_12289B_19965047	Ca_Kabuli_Chr03	NC_021162.1	19965047	CC	TT	TT	INTERGENIC		
SNP_12290B_19965123	Ca_Kabuli_Chr03	NC_021162.1	19965123	AA	GG	GG	INTERGENIC		
SNP_12291B_19965308	Ca_Kabuli_Chr03	NC_021162.1	19965308	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_12292B_19965313	Ca_Kabuli_Chr03	NC_021162.1	19965313	GG	AA	AA	INTERGENIC		
SNP_12293B_19965323	Ca_Kabuli_Chr03	NC_021162.1	19965323	GG	AA	AA	INTERGENIC		
SNP_12294B_19965325	Ca_Kabuli_Chr03	NC_021162.1	19965325	GG	AA	AA	INTERGENIC		
SNP_12295B_19967565	Ca_Kabuli_Chr03	NC_021162.1	19967565	AA	GG	GG	INTERGENIC		
SNP_12296B_19967624	Ca_Kabuli_Chr03	NC_021162.1	19967624	CC	TT	TT	INTERGENIC		
SNP_12297B_19967630	Ca_Kabuli_Chr03	NC_021162.1	19967630	AA	CC	CC	INTERGENIC		
SNP_12298B_19967771	Ca_Kabuli_Chr03	NC_021162.1	19967771	TT	CC	CC	INTERGENIC		
SNP_12299B_19967773	Ca_Kabuli_Chr03	NC_021162.1	19967773	AA	GG	GG	INTERGENIC		
SNP_12300B_19967843	Ca_Kabuli_Chr03	NC_021162.1	19967843	TT	CC	CC	INTERGENIC		
SNP_12301B_19968170	Ca_Kabuli_Chr03	NC_021162.1	19968170	CC	TT	TT	INTERGENIC		
SNP_12302B_19968197	Ca_Kabuli_Chr03	NC_021162.1	19968197	AA	GG	GG	INTERGENIC		
SNP_12303B_19994048	Ca_Kabuli_Chr03	NC_021162.1	19994048	GG	CC	CC	INTERGENIC		
SNP_12304B_19994126	Ca_Kabuli_Chr03	NC_021162.1	19994126	AA	GG	GG	INTERGENIC		
SNP_12305B_19994168	Ca_Kabuli_Chr03	NC_021162.1	19994168	CC	AA	AA	INTERGENIC		
SNP_12306B_19994170	Ca_Kabuli_Chr03	NC_021162.1	19994170	AA	GG	GG	INTERGENIC		
SNP_12307B_19994297	Ca_Kabuli_Chr03	NC_021162.1	19994297	CC	TT	TT	INTERGENIC		
SNP_12308B_19994301	Ca_Kabuli_Chr03	NC_021162.1	19994301	CC	TT	TT	INTERGENIC		
SNP_12309B_20011615	Ca_Kabuli_Chr03	NC_021162.1	20011615	GG	AA	AA	INTERGENIC		
SNP_12310B_20011718	Ca_Kabuli_Chr03	NC_021162.1	20011718	GG	AA	AA	INTERGENIC		
SNP_12311B_20011742	Ca_Kabuli_Chr03	NC_021162.1	20011742	CC	TT	TT	INTERGENIC		
SNP_12312B_20011905	Ca_Kabuli_Chr03	NC_021162.1	20011905	GG	CC	CC	URR	101499759	uncharacterized LOC101499759
SNP_12313B_20011933	Ca_Kabuli_Chr03	NC_021162.1	20011933	CC	TT	TT	URR	101499759	uncharacterized LOC101499759
SNP_12314B_20012040	Ca_Kabuli_Chr03	NC_021162.1	20012040	CC	TT	TT	URR	101499759	uncharacterized LOC101499759
SNP_12315B_20012067	Ca_Kabuli_Chr03	NC_021162.1	20012067	CC	TT	TT	URR	101499759	uncharacterized LOC101499759

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_12316B_20012109	Ca_Kabuli_Chr03	NC_021162.1	20012109	GG	AA	AA	URR	101499759	uncharacterized LOC101499759
SNP_12317B_20012171	Ca_Kabuli_Chr03	NC_021162.1	20012171	GG	AA	AA	URR	101499759	uncharacterized LOC101499759
SNP_12318B_20012191	Ca_Kabuli_Chr03	NC_021162.1	20012191	TT	CC	CC	URR	101499759	uncharacterized LOC101499759
SNP_12319B_20012193	Ca_Kabuli_Chr03	NC_021162.1	20012193	GG	AA	AA	URR	101499759	uncharacterized LOC101499759
SNP_12320B_20012233	Ca_Kabuli_Chr03	NC_021162.1	20012233	GG	AA	AA	URR	101499759	uncharacterized LOC101499759
SNP_12322B_20075277	Ca_Kabuli_Chr03	NC_021162.1	20075277	AA	GG	GG	INTERGENIC		
SNP_12323B_20113524	Ca_Kabuli_Chr03	NC_021162.1	20113524	TT	CC	CC	INTERGENIC		
SNP_12324B_20122707	Ca_Kabuli_Chr03	NC_021162.1	20122707	TT	CC	CC	INTERGENIC		
SNP_12325B_20222547	Ca_Kabuli_Chr03	NC_021162.1	20222547	AA	GG	GG	INTERGENIC		
SNP_12326B_20232380	Ca_Kabuli_Chr03	NC_021162.1	20232380	TT	AA	AA	INTERGENIC		
SNP_12327B_20233059	Ca_Kabuli_Chr03	NC_021162.1	20233059	GG	TT	TT	INTERGENIC		
SNP_12328B_20256109	Ca_Kabuli_Chr03	NC_021162.1	20256109	AA	CC	CC	INTERGENIC		
SNP_12329B_20256153	Ca_Kabuli_Chr03	NC_021162.1	20256153	CC	TT	TT	INTERGENIC		
SNP_12330B_20258270	Ca_Kabuli_Chr03	NC_021162.1	20258270	TT	CC	CC	INTERGENIC		
SNP_12331B_20258298	Ca_Kabuli_Chr03	NC_021162.1	20258298	CC	TT	TT	INTERGENIC		
SNP_12332B_20258317	Ca_Kabuli_Chr03	NC_021162.1	20258317	AA	GG	GG	INTERGENIC		
SNP_12333B_20258357	Ca_Kabuli_Chr03	NC_021162.1	20258357	TT	CC	CC	INTERGENIC		
SNP_12334B_20258551	Ca_Kabuli_Chr03	NC_021162.1	20258551	TT	GG	GG	INTERGENIC		
SNP_12335B_20258573	Ca_Kabuli_Chr03	NC_021162.1	20258573	AA	CC	CC	INTERGENIC		
SNP_12337B_20319266	Ca_Kabuli_Chr03	NC_021162.1	20319266	AA	TT	TT	INTERGENIC		
SNP_12338B_20323846	Ca_Kabuli_Chr03	NC_021162.1	20323846	GG	AA	AA	INTERGENIC		
SNP_12339B_20323960	Ca_Kabuli_Chr03	NC_021162.1	20323960	TT	AA	AA	INTERGENIC		
SNP_12340B_20324152	Ca_Kabuli_Chr03	NC_021162.1	20324152	CC	AA	AA	INTERGENIC		
SNP_12341B_20324219	Ca_Kabuli_Chr03	NC_021162.1	20324219	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_12342B_20324276	Ca_Kabuli_Chr03	NC_021162.1	20324276	AA	CC	CC	INTERGENIC		
SNP_12343B_20337567	Ca_Kabuli_Chr03	NC_021162.1	20337567	CC	TT	TT	INTERGENIC		
SNP_12344B_20337573	Ca_Kabuli_Chr03	NC_021162.1	20337573	GG	AA	AA	INTERGENIC		
SNP_12346B_20339579	Ca_Kabuli_Chr03	NC_021162.1	20339579	AA	TT	TT	INTERGENIC		
SNP_12347B_20339580	Ca_Kabuli_Chr03	NC_021162.1	20339580	TT	AA	AA	INTERGENIC		
SNP_12348B_20398302	Ca_Kabuli_Chr03	NC_021162.1	20398302	CC	TT	TT	INTERGENIC		
SNP_12350B_20436728	Ca_Kabuli_Chr03	NC_021162.1	20436728	TT	CC	CC	INTERGENIC		
SNP_12351B_20438634	Ca_Kabuli_Chr03	NC_021162.1	20438634	TT	CC	CC	INTERGENIC		
SNP_12352B_20438777	Ca_Kabuli_Chr03	NC_021162.1	20438777	TT	CC	CC	INTERGENIC		
SNP_12353B_20438787	Ca_Kabuli_Chr03	NC_021162.1	20438787	AA	CC	CC	INTERGENIC		
SNP_12354B_20439004	Ca_Kabuli_Chr03	NC_021162.1	20439004	GG	TT	TT	INTERGENIC		
SNP_12355B_20439013	Ca_Kabuli_Chr03	NC_021162.1	20439013	AA	TT	TT	INTERGENIC		
SNP_12356B_20488175	Ca_Kabuli_Chr03	NC_021162.1	20488175	AA	GG	GG	INTERGENIC		
SNP_12357B_20621269	Ca_Kabuli_Chr03	NC_021162.1	20621269	GG	CC	CC	INTERGENIC		
SNP_12358B_20698888	Ca_Kabuli_Chr03	NC_021162.1	20698888	AA	TT	TT	INTERGENIC		
SNP_12359B_20698903	Ca_Kabuli_Chr03	NC_021162.1	20698903	GG	AA	AA	INTERGENIC		
SNP_12360B_20698911	Ca_Kabuli_Chr03	NC_021162.1	20698911	AA	GG	GG	INTERGENIC		
SNP_12361B_20699584	Ca_Kabuli_Chr03	NC_021162.1	20699584	GG	AA	AA	INTERGENIC		
SNP_12362B_20724295	Ca_Kabuli_Chr03	NC_021162.1	20724295	CC	TT	TT	INTERGENIC		
SNP_12363B_20728620	Ca_Kabuli_Chr03	NC_021162.1	20728620	AA	GG	GG	INTERGENIC		
SNP_12364B_20730674	Ca_Kabuli_Chr03	NC_021162.1	20730674	AA	CC	CC	INTERGENIC		
SNP_12365B_20730679	Ca_Kabuli_Chr03	NC_021162.1	20730679	GG	AA	AA	INTERGENIC		
SNP_12366B_20730721	Ca_Kabuli_Chr03	NC_021162.1	20730721	GG	TT	TT	INTERGENIC		
SNP_12367B_20730724	Ca_Kabuli_Chr03	NC_021162.1	20730724	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_12368B_20738578	Ca_Kabuli_Chr03	NC_021162.1	20738578	TT	CC	CC	INTERGENIC		
SNP_12369B_20738789	Ca_Kabuli_Chr03	NC_021162.1	20738789	CC	TT	TT	INTERGENIC		
SNP_12370B_20738820	Ca_Kabuli_Chr03	NC_021162.1	20738820	CC	TT	TT	INTERGENIC		
SNP_12371B_20739053	Ca_Kabuli_Chr03	NC_021162.1	20739053	GG	TT	TT	INTERGENIC		
SNP_12372B_20744226	Ca_Kabuli_Chr03	NC_021162.1	20744226	AA	GG	GG	INTERGENIC		
SNP_12373B_20744412	Ca_Kabuli_Chr03	NC_021162.1	20744412	AA	TT	TT	INTERGENIC		
SNP_12374B_20744414	Ca_Kabuli_Chr03	NC_021162.1	20744414	TT	CC	CC	INTERGENIC		
SNP_12375B_20744433	Ca_Kabuli_Chr03	NC_021162.1	20744433	AA	GG	GG	INTERGENIC		
SNP_12376B_20744474	Ca_Kabuli_Chr03	NC_021162.1	20744474	TT	GG	GG	INTERGENIC		
SNP_12377B_20744515	Ca_Kabuli_Chr03	NC_021162.1	20744515	AA	TT	TT	INTERGENIC		
SNP_12378B_20744525	Ca_Kabuli_Chr03	NC_021162.1	20744525	GG	AA	AA	INTERGENIC		
SNP_12379B_20744550	Ca_Kabuli_Chr03	NC_021162.1	20744550	GG	CC	CC	INTERGENIC		
SNP_12380B_20860226	Ca_Kabuli_Chr03	NC_021162.1	20860226	CC	TT	TT	DRR	101515404	diaminopimelate epimerase, chloroplastic-like
SNP_12381B_20896548	Ca_Kabuli_Chr03	NC_021162.1	20896548	AA	CC	CC	INTERGENIC		
SNP_12382B_20896563	Ca_Kabuli_Chr03	NC_021162.1	20896563	AA	GG	GG	INTERGENIC		
SNP_12383B_20896581	Ca_Kabuli_Chr03	NC_021162.1	20896581	GG	AA	AA	INTERGENIC		
SNP_12384B_20896610	Ca_Kabuli_Chr03	NC_021162.1	20896610	TT	AA	AA	INTERGENIC		
SNP_12385B_20902283	Ca_Kabuli_Chr03	NC_021162.1	20902283	TT	CC	CC	INTERGENIC		
SNP_12386B_20913600	Ca_Kabuli_Chr03	NC_021162.1	20913600	CC	TT	TT	INTERGENIC		
SNP_12387B_20913615	Ca_Kabuli_Chr03	NC_021162.1	20913615	CC	TT	TT	INTERGENIC		
SNP_12388B_20933563	Ca_Kabuli_Chr03	NC_021162.1	20933563	AA	GG	GG	URR	101495195	uncharacterized LOC101495195
SNP_12389B_20933572	Ca_Kabuli_Chr03	NC_021162.1	20933572	CC	GG	GG	URR	101495195	uncharacterized LOC101495195
SNP_12390B_20940587	Ca_Kabuli_Chr03	NC_021162.1	20940587	CC	TT	TT	INTERGENIC		
SNP_12391B_20944439	Ca_Kabuli_Chr03	NC_021162.1	20944439	GG	AA	AA	URR	101489270	putative receptor protein kinase ZmPK1

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_12392B_20944443	Ca_Kabuli_Chr03	NC_021162.1	20944443	TT	GG	GG	URR	101489270	putative receptor protein kinase ZmPK1
SNP_12393B_21063203	Ca_Kabuli_Chr03	NC_021162.1	21063203	CC	TT	TT	INTERGENIC		
SNP_12394B_21066549	Ca_Kabuli_Chr03	NC_021162.1	21066549	CC	AA	AA	DRR	101492734	lysine--tRNA ligase-like
SNP_12395B_21067143	Ca_Kabuli_Chr03	NC_021162.1	21067143	CC	TT	TT	NON_SYNONYMOUS_CODING	id48218	Unknown function
SNP_12396B_21069111	Ca_Kabuli_Chr03	NC_021162.1	21069111	CC	AA	AA	INTRON	101492734	lysine--tRNA ligase-like
SNP_12397B_21069148	Ca_Kabuli_Chr03	NC_021162.1	21069148	CC	TT	TT	INTRON	101492734	lysine--tRNA ligase-like
SNP_12398B_21086854	Ca_Kabuli_Chr03	NC_021162.1	21086854	TT	CC	CC	INTERGENIC		
SNP_12400B_21186782	Ca_Kabuli_Chr03	NC_021162.1	21186782	TT	GG	GG	DRR	101494754	non-specific lipid-transfer protein 1-like
SNP_12403B_21357474	Ca_Kabuli_Chr03	NC_021162.1	21357474	AA	TT	TT	INTERGENIC		
SNP_12404B_21357492	Ca_Kabuli_Chr03	NC_021162.1	21357492	TT	CC	CC	INTERGENIC		
SNP_12405B_21422167	Ca_Kabuli_Chr03	NC_021162.1	21422167	TT	GG	GG	INTERGENIC		
SNP_12406B_21422190	Ca_Kabuli_Chr03	NC_021162.1	21422190	TT	CC	CC	INTERGENIC		
SNP_12407B_21430425	Ca_Kabuli_Chr03	NC_021162.1	21430425	GG	CC	CC	INTERGENIC		
SNP_12408B_21489653	Ca_Kabuli_Chr03	NC_021162.1	21489653	TT	CC	CC	URR	101504767	ubiquitin-conjugating enzyme E2 28
SNP_12409B_21583604	Ca_Kabuli_Chr03	NC_021162.1	21583604	AA	TT	TT	INTERGENIC		
SNP_12410B_21583609	Ca_Kabuli_Chr03	NC_021162.1	21583609	TT	AA	AA	INTERGENIC		
SNP_12411B_21583610	Ca_Kabuli_Chr03	NC_021162.1	21583610	GG	AA	AA	INTERGENIC		
SNP_12412B_21583629	Ca_Kabuli_Chr03	NC_021162.1	21583629	AA	TT	TT	INTERGENIC		
SNP_12413B_21635312	Ca_Kabuli_Chr03	NC_021162.1	21635312	AA	TT	TT	INTERGENIC		
SNP_12414B_21635388	Ca_Kabuli_Chr03	NC_021162.1	21635388	AA	TT	TT	INTERGENIC		
SNP_12415B_21635390	Ca_Kabuli_Chr03	NC_021162.1	21635390	AA	GG	GG	INTERGENIC		
SNP_12416B_21635417	Ca_Kabuli_Chr03	NC_021162.1	21635417	GG	TT	TT	INTERGENIC		
SNP_12417B_21635466	Ca_Kabuli_Chr03	NC_021162.1	21635466	AA	GG	GG	INTERGENIC		
SNP_12419B_21635661	Ca_Kabuli_Chr03	NC_021162.1	21635661	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_12420B_21635673	Ca_Kabuli_Chr03	NC_021162.1	21635673	AA	TT	TT	INTERGENIC		
SNP_12421B_21635675	Ca_Kabuli_Chr03	NC_021162.1	21635675	GG	AA	AA	INTERGENIC		
SNP_12422B_21635688	Ca_Kabuli_Chr03	NC_021162.1	21635688	AA	GG	GG	INTERGENIC		
SNP_12423B_21635766	Ca_Kabuli_Chr03	NC_021162.1	21635766	TT	CC	CC	INTERGENIC		
SNP_12424B_21635852	Ca_Kabuli_Chr03	NC_021162.1	21635852	GG	TT	TT	INTERGENIC		
SNP_12425B_21635859	Ca_Kabuli_Chr03	NC_021162.1	21635859	GG	TT	TT	INTERGENIC		
SNP_12426B_21635875	Ca_Kabuli_Chr03	NC_021162.1	21635875	GG	AA	AA	INTERGENIC		
SNP_12427B_21636945	Ca_Kabuli_Chr03	NC_021162.1	21636945	CC	TT	TT	URR	101509484	uncharacterized LOC101509484
SNP_12428B_21674619	Ca_Kabuli_Chr03	NC_021162.1	21674619	GG	AA	AA	INTRON	101511623	uncharacterized LOC101511623
SNP_12430B_21818936	Ca_Kabuli_Chr03	NC_021162.1	21818936	CC	TT	TT	URR	101514431	vestitone reductase
SNP_12431B_21881295	Ca_Kabuli_Chr03	NC_021162.1	21881295	AA	GG	GG	INTERGENIC		
SNP_12432B_21882109	Ca_Kabuli_Chr03	NC_021162.1	21882109	GG	CC	CC	INTERGENIC		
SNP_12433B_21885772	Ca_Kabuli_Chr03	NC_021162.1	21885772	AA	CC	CC	DRR	101507476	Unknown function
SNP_12434B_21885775	Ca_Kabuli_Chr03	NC_021162.1	21885775	AA	GG	GG	DRR	101507476	Unknown function
SNP_12435B_21886198	Ca_Kabuli_Chr03	NC_021162.1	21886198	GG	AA	AA	DRR	101507476	Unknown function
SNP_12436B_21887705	Ca_Kabuli_Chr03	NC_021162.1	21887705	GG	AA	AA	NON_SYNONYMOUS_CODING	101507476	Unknown function
SNP_12437B_21890831	Ca_Kabuli_Chr03	NC_021162.1	21890831	TT	CC	CC	NON_SYNONYMOUS_CODING	101507476	Unknown function
SNP_12438B_21891697	Ca_Kabuli_Chr03	NC_021162.1	21891697	AA	CC	CC	INTRON	101507476	Unknown function
SNP_12439B_21891798	Ca_Kabuli_Chr03	NC_021162.1	21891798	GG	TT	TT	INTRON	101507476	Unknown function
SNP_12440B_21892123	Ca_Kabuli_Chr03	NC_021162.1	21892123	AA	TT	TT	NON_SYNONYMOUS_CODING	101507476	Unknown function
SNP_12441B_21892130	Ca_Kabuli_Chr03	NC_021162.1	21892130	TT	CC	CC	NON_SYNONYMOUS_CODING	101507476	Unknown function
SNP_12442B_21892171	Ca_Kabuli_Chr03	NC_021162.1	21892171	CC	TT	TT	NON_SYNONYMOUS_CODING	101507476	Unknown function
SNP_12443B_21893100	Ca_Kabuli_Chr03	NC_021162.1	21893100	GG	TT	TT	URR	101507476	Unknown function
SNP_12444B_21895702	Ca_Kabuli_Chr03	NC_021162.1	21895702	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_12445B_21895883	Ca_Kabuli_Chr03	NC_021162.1	21895883	AA	TT	TT	INTERGENIC		
SNP_12447B_21898771	Ca_Kabuli_Chr03	NC_021162.1	21898771	AA	CC	CC	INTERGENIC		
SNP_12448B_21900017	Ca_Kabuli_Chr03	NC_021162.1	21900017	CC	AA	AA	INTERGENIC		
SNP_12449B_21904319	Ca_Kabuli_Chr03	NC_021162.1	21904319	AA	GG	GG	INTERGENIC		
SNP_12450B_21904374	Ca_Kabuli_Chr03	NC_021162.1	21904374	AA	CC	CC	INTERGENIC		
SNP_12451B_21994535	Ca_Kabuli_Chr03	NC_021162.1	21994535	GG	AA	AA	INTERGENIC		
SNP_12452B_22010912	Ca_Kabuli_Chr03	NC_021162.1	22010912	GG	AA	AA	INTRON	101501453	brefeldin A-inhibited guanine nucleotide-exchange protein 2
SNP_12454B_22125375	Ca_Kabuli_Chr03	NC_021162.1	22125375	AA	TT	TT	INTERGENIC		
SNP_12455B_22130178	Ca_Kabuli_Chr03	NC_021162.1	22130178	AA	GG	GG	INTERGENIC		
SNP_12456B_22130250	Ca_Kabuli_Chr03	NC_021162.1	22130250	AA	GG	GG	INTERGENIC		
SNP_12457B_22130312	Ca_Kabuli_Chr03	NC_021162.1	22130312	CC	TT	TT	INTERGENIC		
SNP_12458B_22130333	Ca_Kabuli_Chr03	NC_021162.1	22130333	AA	GG	GG	INTERGENIC		
SNP_12459B_22130334	Ca_Kabuli_Chr03	NC_021162.1	22130334	AA	GG	GG	INTERGENIC		
SNP_12460B_22130343	Ca_Kabuli_Chr03	NC_021162.1	22130343	GG	TT	TT	INTERGENIC		
SNP_12461B_22130356	Ca_Kabuli_Chr03	NC_021162.1	22130356	AA	TT	TT	INTERGENIC		
SNP_12462B_22130466	Ca_Kabuli_Chr03	NC_021162.1	22130466	GG	AA	AA	INTERGENIC		
SNP_12463B_22130661	Ca_Kabuli_Chr03	NC_021162.1	22130661	GG	AA	AA	INTERGENIC		
SNP_12464B_22130682	Ca_Kabuli_Chr03	NC_021162.1	22130682	CC	AA	AA	INTERGENIC		
SNP_12465B_22130697	Ca_Kabuli_Chr03	NC_021162.1	22130697	AA	GG	GG	INTERGENIC		
SNP_12466B_22130712	Ca_Kabuli_Chr03	NC_021162.1	22130712	AA	GG	GG	INTERGENIC		
SNP_12467B_22336945	Ca_Kabuli_Chr03	NC_021162.1	22336945	AA	GG	GG	INTERGENIC		
SNP_12468B_22343847	Ca_Kabuli_Chr03	NC_021162.1	22343847	AA	CC	CC	DRR	101511740	subtilisin-like protease SBT1.1
SNP_12469B_22413535	Ca_Kabuli_Chr03	NC_021162.1	22413535	AA	GG	GG	INTERGENIC		
SNP_12471B_22439155	Ca_Kabuli_Chr03	NC_021162.1	22439155	GG	AA	AA	URR	101514224	homeobox-leucine zipper protein ANTHOCYANINLESS 2-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_12472B_22460133	Ca_Kabuli_Chr03	NC_021162.1	22460133	CC	TT	TT	INTRON	101515083	probable methyltransferase PMT15
SNP_12473B_22482848	Ca_Kabuli_Chr03	NC_021162.1	22482848	GG	AA	AA	INTERGENIC		
SNP_12474B_22482870	Ca_Kabuli_Chr03	NC_021162.1	22482870	TT	CC	CC	INTERGENIC		
SNP_12476B_22535574	Ca_Kabuli_Chr03	NC_021162.1	22535574	AA	GG	GG	INTERGENIC		
SNP_12477B_22620559	Ca_Kabuli_Chr03	NC_021162.1	22620559	AA	GG	GG	URR	101491003	uncharacterized LOC101491003
SNP_12478B_22628121	Ca_Kabuli_Chr03	NC_021162.1	22628121	AA	TT	TT	INTRON	101491317	SPX and EXS domain-containing protein 1-like
SNP_12479B_22679724	Ca_Kabuli_Chr03	NC_021162.1	22679724	TT	AA	AA	INTERGENIC		
SNP_12480B_22732591	Ca_Kabuli_Chr03	NC_021162.1	22732591	CC	TT	TT	DRR	101510344	uncharacterized LOC101510344
SNP_12481B_22743150	Ca_Kabuli_Chr03	NC_021162.1	22743150	GG	AA	AA	INTERGENIC		
SNP_12482B_22757960	Ca_Kabuli_Chr03	NC_021162.1	22757960	TT	CC	CC	INTERGENIC		
SNP_12483B_22935147	Ca_Kabuli_Chr03	NC_021162.1	22935147	TT	GG	GG	INTRON	101511627	Unknown function
SNP_12484B_22935154	Ca_Kabuli_Chr03	NC_021162.1	22935154	GG	AA	AA	INTRON	101511627	Unknown function
SNP_12485B_22964420	Ca_Kabuli_Chr03	NC_021162.1	22964420	AA	TT	TT	DRR	101502424	uncharacterized LOC101502424
SNP_12486B_23012928	Ca_Kabuli_Chr03	NC_021162.1	23012928	TT	GG	GG	INTERGENIC		
SNP_12487B_23013246	Ca_Kabuli_Chr03	NC_021162.1	23013246	AA	TT	TT	INTERGENIC		
SNP_12488B_23013920	Ca_Kabuli_Chr03	NC_021162.1	23013920	GG	AA	AA	INTERGENIC		
SNP_12490B_23014136	Ca_Kabuli_Chr03	NC_021162.1	23014136	GG	TT	TT	DRR	101503367	gibberellin 3-beta-dioxygenase 4-like
SNP_12491B_23014149	Ca_Kabuli_Chr03	NC_021162.1	23014149	TT	GG	GG	DRR	101503367	gibberellin 3-beta-dioxygenase 4-like
SNP_12492B_23014151	Ca_Kabuli_Chr03	NC_021162.1	23014151	TT	CC	CC	DRR	101503367	gibberellin 3-beta-dioxygenase 4-like
SNP_12493B_23014152	Ca_Kabuli_Chr03	NC_021162.1	23014152	GG	AA	AA	DRR	101503367	gibberellin 3-beta-dioxygenase 4-like
SNP_12494B_23014178	Ca_Kabuli_Chr03	NC_021162.1	23014178	TT	AA	AA	DRR	101503367	gibberellin 3-beta-dioxygenase 4-like
SNP_12495B_23014183	Ca_Kabuli_Chr03	NC_021162.1	23014183	GG	CC	CC	DRR	101503367	gibberellin 3-beta-dioxygenase 4-like
SNP_12496B_23014194	Ca_Kabuli_Chr03	NC_021162.1	23014194	GG	AA	AA	DRR	101503367	gibberellin 3-beta-dioxygenase 4-like
SNP_12498B_23016959	Ca_Kabuli_Chr03	NC_021162.1	23016959	CC	TT	TT	URR	101503367	gibberellin 3-beta-dioxygenase 4-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_12499B_23018703	Ca_Kabuli_Chr03	NC_021162.1	23018703	CC	AA	AA	INTERGENIC		
SNP_12500B_23019096	Ca_Kabuli_Chr03	NC_021162.1	23019096	CC	TT	TT	INTERGENIC		
SNP_12501B_23019162	Ca_Kabuli_Chr03	NC_021162.1	23019162	AA	TT	TT	INTERGENIC		
SNP_12502B_23019184	Ca_Kabuli_Chr03	NC_021162.1	23019184	GG	AA	AA	INTERGENIC		
SNP_12503B_23045312	Ca_Kabuli_Chr03	NC_021162.1	23045312	CC	TT	TT	URR	101504236	mediator of RNA polymerase II transcription subunit 12-like
SNP_12505B_23114608	Ca_Kabuli_Chr03	NC_021162.1	23114608	GG	AA	AA	INTERGENIC		
SNP_12506B_23130460	Ca_Kabuli_Chr03	NC_021162.1	23130460	AA	GG	GG	URR	101507257	U-box domain-containing protein 33
SNP_12507B_23135272	Ca_Kabuli_Chr03	NC_021162.1	23135272	TT	AA	AA	INTERGENIC		
SNP_12510B_23297021	Ca_Kabuli_Chr03	NC_021162.1	23297021	GG	AA	AA	INTERGENIC		
SNP_12511B_23329914	Ca_Kabuli_Chr03	NC_021162.1	23329914	GG	AA	AA	URR	101513768	protein TRANSPARENT TESTA 12
SNP_12512B_23424409	Ca_Kabuli_Chr03	NC_021162.1	23424409	TT	GG	GG	INTERGENIC		
SNP_12513B_23496729	Ca_Kabuli_Chr03	NC_021162.1	23496729	TT	CC	CC	DRR	101514227	uncharacterized LOC101514227
SNP_12514B_23496865	Ca_Kabuli_Chr03	NC_021162.1	23496865	GG	AA	AA	DRR	101514227	uncharacterized LOC101514227
SNP_12515B_23606300	Ca_Kabuli_Chr03	NC_021162.1	23606300	AA	GG	GG	INTERGENIC		
SNP_12516B_23652896	Ca_Kabuli_Chr03	NC_021162.1	23652896	GG	AA	AA	DRR	101410575	transfer RNA alanine (anticodon AGC)
SNP_12517B_23682072	Ca_Kabuli_Chr03	NC_021162.1	23682072	CC	TT	TT	URR	101499137	RING-H2 finger protein ATL67-like
SNP_12518B_23686357	Ca_Kabuli_Chr03	NC_021162.1	23686357	AA	GG	GG	INTERGENIC		
SNP_12519B_23736501	Ca_Kabuli_Chr03	NC_021162.1	23736501	CC	AA	AA	NON_SYNONYMOUS_CODING	101514868	serine/threonine-protein phosphatase 7 long form homolog
SNP_12520B_23857333	Ca_Kabuli_Chr03	NC_021162.1	23857333	GG	TT	TT	INTERGENIC		
SNP_12521B_23863491	Ca_Kabuli_Chr03	NC_021162.1	23863491	TT	GG	GG	INTERGENIC		
SNP_12522B_23863816	Ca_Kabuli_Chr03	NC_021162.1	23863816	CC	AA	AA	DRR	101505090	Unknown function
SNP_12525B_23912427	Ca_Kabuli_Chr03	NC_021162.1	23912427	AA	GG	GG	INTERGENIC		
SNP_12526B_23945749	Ca_Kabuli_Chr03	NC_021162.1	23945749	AA	GG	GG	URR	101507887	probable tyrosine-protein phosphatase At1g05000
SNP_12527B_23945919	Ca_Kabuli_Chr03	NC_021162.1	23945919	TT	GG	GG	URR	101507887	probable tyrosine-protein phosphatase At1g05000

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_12528B_23945931	Ca_Kabuli_Chr03	NC_021162.1	23945931	AA	GG	GG	URR	101507887	probable tyrosine-protein phosphatase At1g05000
SNP_12529B_23945963	Ca_Kabuli_Chr03	NC_021162.1	23945963	AA	GG	GG	URR	101507887	probable tyrosine-protein phosphatase At1g05000
SNP_12530B_23946006	Ca_Kabuli_Chr03	NC_021162.1	23946006	AA	GG	GG	URR	101507887	probable tyrosine-protein phosphatase At1g05000
SNP_12531B_23946041	Ca_Kabuli_Chr03	NC_021162.1	23946041	TT	AA	AA	URR	101507887	probable tyrosine-protein phosphatase At1g05000
SNP_12532B_23946157	Ca_Kabuli_Chr03	NC_021162.1	23946157	TT	GG	GG	URR	101507887	probable tyrosine-protein phosphatase At1g05000
SNP_12533B_23946300	Ca_Kabuli_Chr03	NC_021162.1	23946300	TT	CC	CC	URR	101507887	probable tyrosine-protein phosphatase At1g05000
SNP_12534B_23946301	Ca_Kabuli_Chr03	NC_021162.1	23946301	TT	CC	CC	URR	101507887	probable tyrosine-protein phosphatase At1g05000
SNP_12535B_23946309	Ca_Kabuli_Chr03	NC_021162.1	23946309	TT	GG	GG	URR	101507887	probable tyrosine-protein phosphatase At1g05000
SNP_12536B_23946416	Ca_Kabuli_Chr03	NC_021162.1	23946416	TT	CC	CC	URR	101507887	probable tyrosine-protein phosphatase At1g05000
SNP_12537B_23948970	Ca_Kabuli_Chr03	NC_021162.1	23948970	AA	CC	CC	INTERGENIC		
SNP_12538B_23948977	Ca_Kabuli_Chr03	NC_021162.1	23948977	TT	GG	GG	INTERGENIC		
SNP_12539B_23949003	Ca_Kabuli_Chr03	NC_021162.1	23949003	TT	CC	CC	INTERGENIC		
SNP_12540B_23949010	Ca_Kabuli_Chr03	NC_021162.1	23949010	GG	AA	AA	INTERGENIC		
SNP_12541B_23949012	Ca_Kabuli_Chr03	NC_021162.1	23949012	TT	CC	CC	INTERGENIC		
SNP_12542B_23949080	Ca_Kabuli_Chr03	NC_021162.1	23949080	AA	GG	GG	INTERGENIC		
SNP_12543B_23949364	Ca_Kabuli_Chr03	NC_021162.1	23949364	AA	GG	GG	INTERGENIC		
SNP_12544B_23949501	Ca_Kabuli_Chr03	NC_021162.1	23949501	TT	CC	CC	INTERGENIC		
SNP_12545B_23949503	Ca_Kabuli_Chr03	NC_021162.1	23949503	TT	CC	CC	INTERGENIC		
SNP_12546B_23949510	Ca_Kabuli_Chr03	NC_021162.1	23949510	TT	CC	CC	INTERGENIC		
SNP_12547B_23949517	Ca_Kabuli_Chr03	NC_021162.1	23949517	GG	AA	AA	INTERGENIC		
SNP_12548B_23949813	Ca_Kabuli_Chr03	NC_021162.1	23949813	CC	TT	TT	INTERGENIC		
SNP_12549B_23965441	Ca_Kabuli_Chr03	NC_021162.1	23965441	TT	AA	AA	DRR	101508522	probable WRKY transcription factor 20
SNP_12550B_23992612	Ca_Kabuli_Chr03	NC_021162.1	23992612	AA	GG	GG	INTERGENIC		
SNP_12551B_24010837	Ca_Kabuli_Chr03	NC_021162.1	24010837	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_12552B_24082411	Ca_Kabuli_Chr03	NC_021162.1	24082411	TT	CC	CC	INTERGENIC		
SNP_12553B_24112327	Ca_Kabuli_Chr03	NC_021162.1	24112327	CC	TT	TT	DRR	101513997	ER membrane protein complex subunit 10
SNP_12554B_24112679	Ca_Kabuli_Chr03	NC_021162.1	24112679	TT	CC	CC	DRR	101513997	ER membrane protein complex subunit 10
SNP_12555B_24112686	Ca_Kabuli_Chr03	NC_021162.1	24112686	TT	AA	AA	DRR	101513997	ER membrane protein complex subunit 10
SNP_12556B_24151582	Ca_Kabuli_Chr03	NC_021162.1	24151582	GG	AA	AA	INTERGENIC		
SNP_12557B_24168024	Ca_Kabuli_Chr03	NC_021162.1	24168024	GG	TT	TT	INTERGENIC		
SNP_12559B_24174652	Ca_Kabuli_Chr03	NC_021162.1	24174652	TT	CC	CC	INTERGENIC		
SNP_12560B_24175258	Ca_Kabuli_Chr03	NC_021162.1	24175258	TT	CC	CC	INTERGENIC		
SNP_12561B_24175270	Ca_Kabuli_Chr03	NC_021162.1	24175270	CC	TT	TT	INTERGENIC		
SNP_12562B_24175288	Ca_Kabuli_Chr03	NC_021162.1	24175288	GG	AA	AA	INTERGENIC		
SNP_12563B_24177255	Ca_Kabuli_Chr03	NC_021162.1	24177255	CC	TT	TT	INTERGENIC		
SNP_12564B_24177428	Ca_Kabuli_Chr03	NC_021162.1	24177428	GG	AA	AA	INTERGENIC		
SNP_12565B_24177730	Ca_Kabuli_Chr03	NC_021162.1	24177730	TT	CC	CC	INTERGENIC		
SNP_12566B_24187382	Ca_Kabuli_Chr03	NC_021162.1	24187382	GG	AA	AA	INTERGENIC		
SNP_12567B_24187421	Ca_Kabuli_Chr03	NC_021162.1	24187421	GG	AA	AA	INTERGENIC		
SNP_12568B_24187437	Ca_Kabuli_Chr03	NC_021162.1	24187437	TT	CC	CC	INTERGENIC		
SNP_12569B_24187451	Ca_Kabuli_Chr03	NC_021162.1	24187451	AA	TT	TT	INTERGENIC		
SNP_12570B_24187453	Ca_Kabuli_Chr03	NC_021162.1	24187453	AA	TT	TT	INTERGENIC		
SNP_12571B_24187457	Ca_Kabuli_Chr03	NC_021162.1	24187457	CC	AA	AA	INTERGENIC		
SNP_12572B_24187508	Ca_Kabuli_Chr03	NC_021162.1	24187508	CC	AA	AA	INTERGENIC		
SNP_12573B_24187519	Ca_Kabuli_Chr03	NC_021162.1	24187519	GG	AA	AA	INTERGENIC		
SNP_12574B_24187520	Ca_Kabuli_Chr03	NC_021162.1	24187520	AA	GG	GG	INTERGENIC		
SNP_12575B_24187535	Ca_Kabuli_Chr03	NC_021162.1	24187535	GG	AA	AA	INTERGENIC		
SNP_12576B_24187540	Ca_Kabuli_Chr03	NC_021162.1	24187540	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_12577B_24187558	Ca_Kabuli_Chr03	NC_021162.1	24187558	AA	CC	CC	INTERGENIC		
SNP_12578B_24187568	Ca_Kabuli_Chr03	NC_021162.1	24187568	GG	AA	AA	INTERGENIC		
SNP_12579B_24187577	Ca_Kabuli_Chr03	NC_021162.1	24187577	TT	AA	AA	INTERGENIC		
SNP_12580B_24187595	Ca_Kabuli_Chr03	NC_021162.1	24187595	AA	GG	GG	INTERGENIC		
SNP_12581B_24187734	Ca_Kabuli_Chr03	NC_021162.1	24187734	TT	AA	AA	INTERGENIC		
SNP_12582B_24187746	Ca_Kabuli_Chr03	NC_021162.1	24187746	AA	CC	CC	INTERGENIC		
SNP_12583B_24187774	Ca_Kabuli_Chr03	NC_021162.1	24187774	AA	TT	TT	INTERGENIC		
SNP_12584B_24187819	Ca_Kabuli_Chr03	NC_021162.1	24187819	TT	GG	GG	INTERGENIC		
SNP_12585B_24187821	Ca_Kabuli_Chr03	NC_021162.1	24187821	GG	AA	AA	INTERGENIC		
SNP_12586B_24187823	Ca_Kabuli_Chr03	NC_021162.1	24187823	AA	GG	GG	INTERGENIC		
SNP_12587B_24187850	Ca_Kabuli_Chr03	NC_021162.1	24187850	AA	GG	GG	INTERGENIC		
SNP_12588B_24187853	Ca_Kabuli_Chr03	NC_021162.1	24187853	CC	TT	TT	INTERGENIC		
SNP_12589B_24187863	Ca_Kabuli_Chr03	NC_021162.1	24187863	CC	TT	TT	INTERGENIC		
SNP_12590B_24187914	Ca_Kabuli_Chr03	NC_021162.1	24187914	AA	TT	TT	INTERGENIC		
SNP_12591B_24187915	Ca_Kabuli_Chr03	NC_021162.1	24187915	AA	CC	CC	INTERGENIC		
SNP_12592B_24187955	Ca_Kabuli_Chr03	NC_021162.1	24187955	TT	CC	CC	INTERGENIC		
SNP_12593B_24187970	Ca_Kabuli_Chr03	NC_021162.1	24187970	AA	GG	GG	INTERGENIC		
SNP_12594B_24187995	Ca_Kabuli_Chr03	NC_021162.1	24187995	GG	AA	AA	INTERGENIC		
SNP_12595B_24188025	Ca_Kabuli_Chr03	NC_021162.1	24188025	CC	TT	TT	INTERGENIC		
SNP_12596B_24188913	Ca_Kabuli_Chr03	NC_021162.1	24188913	CC	TT	TT	DRR	101489164	lysine--tRNA ligase-like
SNP_12597B_24188972	Ca_Kabuli_Chr03	NC_021162.1	24188972	AA	GG	GG	DRR	101489164	lysine--tRNA ligase-like
SNP_12598B_24240398	Ca_Kabuli_Chr03	NC_021162.1	24240398	AA	GG	GG	URR	101490687	phosphoglycolate phosphatase 1B, chloroplastic-like
SNP_12599B_24270461	Ca_Kabuli_Chr03	NC_021162.1	24270461	TT	AA	AA	URR	101493167	uncharacterized LOC101493167
SNP_12600B_24270467	Ca_Kabuli_Chr03	NC_021162.1	24270467	GG	TT	TT	URR	101493167	uncharacterized LOC101493167

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_12601B_24270612	Ca_Kabuli_Chr03	NC_021162.1	24270612	CC	TT	TT	URR	101493167	uncharacterized LOC101493167
SNP_12602B_24272955	Ca_Kabuli_Chr03	NC_021162.1	24272955	CC	AA	AA	INTERGENIC		
SNP_12604B_24272991	Ca_Kabuli_Chr03	NC_021162.1	24272991	AA	CC	CC	INTERGENIC		
SNP_12605B_24273004	Ca_Kabuli_Chr03	NC_021162.1	24273004	TT	CC	CC	INTERGENIC		
SNP_12606B_24320298	Ca_Kabuli_Chr03	NC_021162.1	24320298	GG	AA	AA	SYNONYMOUS_CODING	101490891	ATP-dependent DNA helicase PIF1-like
SNP_12608B_24509844	Ca_Kabuli_Chr03	NC_021162.1	24509844	TT	GG	GG	URR	101501458	uncharacterized LOC101501458
SNP_12609B_24509845	Ca_Kabuli_Chr03	NC_021162.1	24509845	TT	GG	GG	URR	101501458	uncharacterized LOC101501458
SNP_12610B_24512151	Ca_Kabuli_Chr03	NC_021162.1	24512151	AA	GG	GG	INTERGENIC		
SNP_12611B_24521396	Ca_Kabuli_Chr03	NC_021162.1	24521396	CC	TT	TT	DRR	101502103	2-dehydro-3-deoxyphosphooctonate aldolase
SNP_12614B_24559528	Ca_Kabuli_Chr03	NC_021162.1	24559528	AA	GG	GG	INTRON	101493169	putative glucan endo-1,3-beta-glucosidase GVI
SNP_12615B_24561743	Ca_Kabuli_Chr03	NC_021162.1	24561743	AA	TT	TT	INTRON	101493169	putative glucan endo-1,3-beta-glucosidase GVI
SNP_12616B_24613524	Ca_Kabuli_Chr03	NC_021162.1	24613524	TT	CC	CC	URR	101494445	glucan endo-1,3-beta-glucosidase-like
SNP_12617B_24649653	Ca_Kabuli_Chr03	NC_021162.1	24649653	GG	AA	AA	INTERGENIC		
SNP_12618B_24689042	Ca_Kabuli_Chr03	NC_021162.1	24689042	GG	AA	AA	INTERGENIC		
SNP_12619B_24703638	Ca_Kabuli_Chr03	NC_021162.1	24703638	CC	TT	TT	URR	101505310	subtilisin-like protease Glyma18g48580
SNP_12621B_24737073	Ca_Kabuli_Chr03	NC_021162.1	24737073	TT	CC	CC	INTERGENIC		
SNP_12622B_24791035	Ca_Kabuli_Chr03	NC_021162.1	24791035	GG	CC	CC	INTERGENIC		
SNP_12624B_24796317	Ca_Kabuli_Chr03	NC_021162.1	24796317	AA	GG	GG	INTRON	101496071	Unknown function
SNP_12625B_24796328	Ca_Kabuli_Chr03	NC_021162.1	24796328	AA	TT	TT	INTRON	101496071	Unknown function
SNP_12626B_24796347	Ca_Kabuli_Chr03	NC_021162.1	24796347	AA	CC	CC	INTRON	101496071	Unknown function
SNP_12627B_24796349	Ca_Kabuli_Chr03	NC_021162.1	24796349	TT	CC	CC	INTRON	101496071	Unknown function
SNP_12628B_24796400	Ca_Kabuli_Chr03	NC_021162.1	24796400	TT	CC	CC	INTRON	101496071	Unknown function
SNP_12629B_24796488	Ca_Kabuli_Chr03	NC_021162.1	24796488	CC	AA	AA	INTRON	101496071	Unknown function
SNP_12630B_24796528	Ca_Kabuli_Chr03	NC_021162.1	24796528	CC	TT	TT	INTRON	101496071	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_12631B_24796535	Ca_Kabuli_Chr03	NC_021162.1	24796535	AA	TT	TT	INTRON	101496071	Unknown function
SNP_12632B_24796575	Ca_Kabuli_Chr03	NC_021162.1	24796575	CC	TT	TT	INTRON	101496071	Unknown function
SNP_12633B_24796615	Ca_Kabuli_Chr03	NC_021162.1	24796615	AA	CC	CC	INTRON	101496071	Unknown function
SNP_12634B_24796655	Ca_Kabuli_Chr03	NC_021162.1	24796655	CC	AA	AA	INTRON	101496071	Unknown function
SNP_12635B_24796712	Ca_Kabuli_Chr03	NC_021162.1	24796712	AA	TT	TT	INTRON	101496071	Unknown function
SNP_12636B_24796715	Ca_Kabuli_Chr03	NC_021162.1	24796715	CC	TT	TT	INTRON	101496071	Unknown function
SNP_12637B_24796783	Ca_Kabuli_Chr03	NC_021162.1	24796783	TT	AA	AA	INTRON	101496071	Unknown function
SNP_12638B_24796836	Ca_Kabuli_Chr03	NC_021162.1	24796836	CC	AA	AA	INTRON	101496071	Unknown function
SNP_12640B_24832314	Ca_Kabuli_Chr03	NC_021162.1	24832314	TT	GG	GG	URR	101506597	protein SQS1-like
SNP_12643B_25040615	Ca_Kabuli_Chr03	NC_021162.1	25040615	AA	GG	GG	DRR	101514983	chloroplastic group IIB intron splicing facilitator CRS2-B, chloroplastic-like
SNP_12644B_25040663	Ca_Kabuli_Chr03	NC_021162.1	25040663	GG	AA	AA	DRR	101514983	chloroplastic group IIB intron splicing facilitator CRS2-B, chloroplastic-like
SNP_12645B_25040673	Ca_Kabuli_Chr03	NC_021162.1	25040673	GG	TT	TT	DRR	101514983	chloroplastic group IIB intron splicing facilitator CRS2-B, chloroplastic-like
SNP_12646B_25040718	Ca_Kabuli_Chr03	NC_021162.1	25040718	TT	CC	CC	DRR	101514983	chloroplastic group IIB intron splicing facilitator CRS2-B, chloroplastic-like
SNP_12647B_25040730	Ca_Kabuli_Chr03	NC_021162.1	25040730	AA	GG	GG	DRR	101514983	chloroplastic group IIB intron splicing facilitator CRS2-B, chloroplastic-like
SNP_12648B_25040745	Ca_Kabuli_Chr03	NC_021162.1	25040745	AA	GG	GG	DRR	101514983	chloroplastic group IIB intron splicing facilitator CRS2-B, chloroplastic-like
SNP_12649B_25040798	Ca_Kabuli_Chr03	NC_021162.1	25040798	AA	GG	GG	DRR	101514983	chloroplastic group IIB intron splicing facilitator CRS2-B, chloroplastic-like
SNP_12650B_25040800	Ca_Kabuli_Chr03	NC_021162.1	25040800	AA	GG	GG	DRR	101514983	chloroplastic group IIB intron splicing facilitator CRS2-B, chloroplastic-like
SNP_12651B_25040827	Ca_Kabuli_Chr03	NC_021162.1	25040827	AA	GG	GG	DRR	101514983	chloroplastic group IIB intron splicing facilitator CRS2-B, chloroplastic-like
SNP_12652B_25040835	Ca_Kabuli_Chr03	NC_021162.1	25040835	AA	TT	TT	DRR	101514983	chloroplastic group IIB intron splicing facilitator CRS2-B, chloroplastic-like
SNP_12653B_25040838	Ca_Kabuli_Chr03	NC_021162.1	25040838	TT	CC	CC	DRR	101514983	chloroplastic group IIB intron splicing facilitator CRS2-B, chloroplastic-like
SNP_12654B_25040844	Ca_Kabuli_Chr03	NC_021162.1	25040844	TT	CC	CC	DRR	101514983	chloroplastic group IIB intron splicing facilitator CRS2-B, chloroplastic-like
SNP_12655B_25057350	Ca_Kabuli_Chr03	NC_021162.1	25057350	AA	CC	CC	URR	101488712	plastidic glucose transporter 4-like
SNP_12656B_25114594	Ca_Kabuli_Chr03	NC_021162.1	25114594	AA	GG	GG	NON_SYNONYMOUS_CODING	101491425	uncharacterized LOC101491425
SNP_12657B_25155625	Ca_Kabuli_Chr03	NC_021162.1	25155625	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_12660B_25372830	Ca_Kabuli_Chr03	NC_021162.1	25372830	AA	CC	CC	URR	101499765	acyltransferase-like protein At3g26840, chloroplastic
SNP_12661B_25490685	Ca_Kabuli_Chr03	NC_021162.1	25490685	TT	GG	GG	URR	101502528	probable protein S-acyltransferase 7
SNP_12662B_25490686	Ca_Kabuli_Chr03	NC_021162.1	25490686	TT	AA	AA	URR	101502528	probable protein S-acyltransferase 7
SNP_12665B_25625867	Ca_Kabuli_Chr03	NC_021162.1	25625867	AA	GG	GG	DRR	101508741	uncharacterized LOC101508741
SNP_12666B_25625873	Ca_Kabuli_Chr03	NC_021162.1	25625873	AA	GG	GG	DRR	101508741	uncharacterized LOC101508741
SNP_12667B_25632732	Ca_Kabuli_Chr03	NC_021162.1	25632732	AA	TT	TT	URR	101503273	pentatricopeptide repeat-containing protein At3g26782, mitochondrial
SNP_12668B_25720624	Ca_Kabuli_Chr03	NC_021162.1	25720624	TT	GG	GG	INTRON	101507790	alpha-mannosidase
SNP_12669B_25811242	Ca_Kabuli_Chr03	NC_021162.1	25811242	TT	GG	GG	INTERGENIC		
SNP_12670B_25811254	Ca_Kabuli_Chr03	NC_021162.1	25811254	CC	TT	TT	INTERGENIC		
SNP_12671B_25827863	Ca_Kabuli_Chr03	NC_021162.1	25827863	GG	TT	TT	INTERGENIC		
SNP_12672B_25872828	Ca_Kabuli_Chr03	NC_021162.1	25872828	AA	GG	GG	URR	101510677	uncharacterized LOC101510677
SNP_12673B_25872829	Ca_Kabuli_Chr03	NC_021162.1	25872829	GG	AA	AA	URR	101510677	uncharacterized LOC101510677
SNP_12675B_25872988	Ca_Kabuli_Chr03	NC_021162.1	25872988	GG	AA	AA	URR	101510677	uncharacterized LOC101510677
SNP_12676B_25885789	Ca_Kabuli_Chr03	NC_021162.1	25885789	TT	CC	CC	INTERGENIC		
SNP_12677B_25885798	Ca_Kabuli_Chr03	NC_021162.1	25885798	AA	GG	GG	INTERGENIC		
SNP_12678B_25886077	Ca_Kabuli_Chr03	NC_021162.1	25886077	AA	TT	TT	INTERGENIC		
SNP_12679B_25886087	Ca_Kabuli_Chr03	NC_021162.1	25886087	TT	AA	AA	INTERGENIC		
SNP_12680B_25886088	Ca_Kabuli_Chr03	NC_021162.1	25886088	AA	TT	TT	INTERGENIC		
SNP_12681B_25886132	Ca_Kabuli_Chr03	NC_021162.1	25886132	CC	TT	TT	INTERGENIC		
SNP_12682B_25886296	Ca_Kabuli_Chr03	NC_021162.1	25886296	CC	TT	TT	INTERGENIC		
SNP_12683B_25888108	Ca_Kabuli_Chr03	NC_021162.1	25888108	CC	GG	GG	INTERGENIC		
SNP_12684B_25888172	Ca_Kabuli_Chr03	NC_021162.1	25888172	TT	AA	AA	INTERGENIC		
SNP_12685B_25888215	Ca_Kabuli_Chr03	NC_021162.1	25888215	CC	TT	TT	INTERGENIC		
SNP_12686B_25888226	Ca_Kabuli_Chr03	NC_021162.1	25888226	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_12687B_25888289	Ca_Kabuli_Chr03	NC_021162.1	25888289	TT	AA	AA	INTERGENIC		
SNP_12688B_25888497	Ca_Kabuli_Chr03	NC_021162.1	25888497	GG	AA	AA	INTERGENIC		
SNP_12689B_25888499	Ca_Kabuli_Chr03	NC_021162.1	25888499	AA	CC	CC	INTERGENIC		
SNP_12690B_25888504	Ca_Kabuli_Chr03	NC_021162.1	25888504	AA	GG	GG	INTERGENIC		
SNP_12691B_25888512	Ca_Kabuli_Chr03	NC_021162.1	25888512	TT	CC	CC	INTERGENIC		
SNP_12693B_25888573	Ca_Kabuli_Chr03	NC_021162.1	25888573	AA	GG	GG	INTERGENIC		
SNP_12694B_25888585	Ca_Kabuli_Chr03	NC_021162.1	25888585	AA	GG	GG	INTERGENIC		
SNP_12695B_25888659	Ca_Kabuli_Chr03	NC_021162.1	25888659	TT	AA	AA	INTERGENIC		
SNP_12696B_25888665	Ca_Kabuli_Chr03	NC_021162.1	25888665	AA	TT	TT	INTERGENIC		
SNP_12697B_25888698	Ca_Kabuli_Chr03	NC_021162.1	25888698	AA	TT	TT	INTERGENIC		
SNP_12698B_25888753	Ca_Kabuli_Chr03	NC_021162.1	25888753	TT	GG	GG	INTERGENIC		
SNP_12700B_25888961	Ca_Kabuli_Chr03	NC_021162.1	25888961	TT	CC	CC	INTERGENIC		
SNP_12701B_25888970	Ca_Kabuli_Chr03	NC_021162.1	25888970	AA	TT	TT	INTERGENIC		
SNP_12702B_25888971	Ca_Kabuli_Chr03	NC_021162.1	25888971	CC	AA	AA	INTERGENIC		
SNP_12703B_25888986	Ca_Kabuli_Chr03	NC_021162.1	25888986	GG	AA	AA	INTERGENIC		
SNP_12704B_25889053	Ca_Kabuli_Chr03	NC_021162.1	25889053	TT	CC	CC	INTERGENIC		
SNP_12705B_25889085	Ca_Kabuli_Chr03	NC_021162.1	25889085	AA	GG	GG	INTERGENIC		
SNP_12707B_25889157	Ca_Kabuli_Chr03	NC_021162.1	25889157	CC	TT	TT	INTERGENIC		
SNP_12708B_25889158	Ca_Kabuli_Chr03	NC_021162.1	25889158	AA	TT	TT	INTERGENIC		
SNP_12709B_25889389	Ca_Kabuli_Chr03	NC_021162.1	25889389	CC	TT	TT	INTERGENIC		
SNP_12710B_25889398	Ca_Kabuli_Chr03	NC_021162.1	25889398	AA	TT	TT	INTERGENIC		
SNP_12711B_25889405	Ca_Kabuli_Chr03	NC_021162.1	25889405	CC	AA	AA	INTERGENIC		
SNP_12712B_25889416	Ca_Kabuli_Chr03	NC_021162.1	25889416	TT	GG	GG	INTERGENIC		
SNP_12713B_25889604	Ca_Kabuli_Chr03	NC_021162.1	25889604	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_12714B_25889605	Ca_Kabuli_Chr03	NC_021162.1	25889605	TT	AA	AA	INTERGENIC		
SNP_12716B_25889650	Ca_Kabuli_Chr03	NC_021162.1	25889650	GG	AA	AA	INTERGENIC		
SNP_12717B_25889680	Ca_Kabuli_Chr03	NC_021162.1	25889680	AA	CC	CC	INTERGENIC		
SNP_12718B_25890789	Ca_Kabuli_Chr03	NC_021162.1	25890789	AA	TT	TT	INTERGENIC		
SNP_12719B_25891463	Ca_Kabuli_Chr03	NC_021162.1	25891463	AA	CC	CC	INTERGENIC		
SNP_12720B_25891464	Ca_Kabuli_Chr03	NC_021162.1	25891464	TT	GG	GG	INTERGENIC		
SNP_12721B_25891471	Ca_Kabuli_Chr03	NC_021162.1	25891471	TT	AA	AA	INTERGENIC		
SNP_12722B_25892027	Ca_Kabuli_Chr03	NC_021162.1	25892027	TT	CC	CC	INTERGENIC		
SNP_12723B_25908993	Ca_Kabuli_Chr03	NC_021162.1	25908993	GG	AA	AA	INTERGENIC		
SNP_12725B_25971833	Ca_Kabuli_Chr03	NC_021162.1	25971833	AA	GG	GG	URR	101513019	uncharacterized LOC101513019
SNP_12726B_25971852	Ca_Kabuli_Chr03	NC_021162.1	25971852	TT	CC	CC	URR	101513019	uncharacterized LOC101513019
SNP_12727B_25971861	Ca_Kabuli_Chr03	NC_021162.1	25971861	AA	GG	GG	URR	101513019	uncharacterized LOC101513019
SNP_12728B_25971878	Ca_Kabuli_Chr03	NC_021162.1	25971878	TT	AA	AA	URR	101513019	uncharacterized LOC101513019
SNP_12729B_25971933	Ca_Kabuli_Chr03	NC_021162.1	25971933	AA	CC	CC	URR	101513019	uncharacterized LOC101513019
SNP_12730B_25972042	Ca_Kabuli_Chr03	NC_021162.1	25972042	TT	CC	CC	URR	101513019	uncharacterized LOC101513019
SNP_12731B_25972178	Ca_Kabuli_Chr03	NC_021162.1	25972178	AA	GG	GG	URR	101513019	uncharacterized LOC101513019
SNP_12732B_25972211	Ca_Kabuli_Chr03	NC_021162.1	25972211	TT	CC	CC	URR	101513019	uncharacterized LOC101513019
SNP_12733B_25972233	Ca_Kabuli_Chr03	NC_021162.1	25972233	AA	CC	CC	URR	101513019	uncharacterized LOC101513019
SNP_12734B_25972250	Ca_Kabuli_Chr03	NC_021162.1	25972250	TT	GG	GG	URR	101513019	uncharacterized LOC101513019
SNP_12735B_25972368	Ca_Kabuli_Chr03	NC_021162.1	25972368	AA	GG	GG	URR	101513019	uncharacterized LOC101513019
SNP_12736B_25972426	Ca_Kabuli_Chr03	NC_021162.1	25972426	AA	GG	GG	URR	101513019	uncharacterized LOC101513019
SNP_12737B_25972441	Ca_Kabuli_Chr03	NC_021162.1	25972441	AA	GG	GG	URR	101513019	uncharacterized LOC101513019
SNP_12738B_25972442	Ca_Kabuli_Chr03	NC_021162.1	25972442	TT	GG	GG	URR	101513019	uncharacterized LOC101513019
SNP_12739B_25972449	Ca_Kabuli_Chr03	NC_021162.1	25972449	TT	CC	CC	URR	101513019	uncharacterized LOC101513019

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_12740B_26014078	Ca_Kabuli_Chr03	NC_021162.1	26014078	AA	GG	GG	INTERGENIC		
SNP_12741B_26014355	Ca_Kabuli_Chr03	NC_021162.1	26014355	GG	AA	AA	INTERGENIC		
SNP_12742B_26070813	Ca_Kabuli_Chr03	NC_021162.1	26070813	AA	TT	TT	INTERGENIC		
SNP_12743B_26071763	Ca_Kabuli_Chr03	NC_021162.1	26071763	GG	CC	CC	INTERGENIC		
SNP_12744B_26071805	Ca_Kabuli_Chr03	NC_021162.1	26071805	GG	AA	AA	INTERGENIC		
SNP_12747B_26101073	Ca_Kabuli_Chr03	NC_021162.1	26101073	TT	CC	CC	URR	101506600	3,7-dimethylxanthine N-methyltransferase-like
SNP_12748B_26101092	Ca_Kabuli_Chr03	NC_021162.1	26101092	CC	TT	TT	URR	101506600	3,7-dimethylxanthine N-methyltransferase-like
SNP_12749B_26101098	Ca_Kabuli_Chr03	NC_021162.1	26101098	AA	TT	TT	URR	101506600	3,7-dimethylxanthine N-methyltransferase-like
SNP_12750B_26101105	Ca_Kabuli_Chr03	NC_021162.1	26101105	AA	GG	GG	URR	101506600	3,7-dimethylxanthine N-methyltransferase-like
SNP_12751B_26101111	Ca_Kabuli_Chr03	NC_021162.1	26101111	AA	CC	CC	URR	101506600	3,7-dimethylxanthine N-methyltransferase-like
SNP_12752B_26102048	Ca_Kabuli_Chr03	NC_021162.1	26102048	CC	TT	TT	URR	101506600	3,7-dimethylxanthine N-methyltransferase-like
SNP_12754B_26114539	Ca_Kabuli_Chr03	NC_021162.1	26114539	CC	GG	GG	INTRON	101515408	7-methylxanthosine synthase 1-like
SNP_12755B_26114858	Ca_Kabuli_Chr03	NC_021162.1	26114858	CC	TT	TT	INTERGENIC		
SNP_12757B_26114967	Ca_Kabuli_Chr03	NC_021162.1	26114967	CC	TT	TT	INTERGENIC		
SNP_12758B_26114972	Ca_Kabuli_Chr03	NC_021162.1	26114972	AA	TT	TT	INTERGENIC		
SNP_12760B_26115036	Ca_Kabuli_Chr03	NC_021162.1	26115036	AA	GG	GG	INTERGENIC		
SNP_12761B_26115051	Ca_Kabuli_Chr03	NC_021162.1	26115051	GG	CC	CC	INTERGENIC		
SNP_12762B_26115162	Ca_Kabuli_Chr03	NC_021162.1	26115162	AA	TT	TT	INTERGENIC		
SNP_12763B_26115199	Ca_Kabuli_Chr03	NC_021162.1	26115199	TT	AA	AA	INTERGENIC		
SNP_12764B_26115202	Ca_Kabuli_Chr03	NC_021162.1	26115202	CC	GG	GG	INTERGENIC		
SNP_12765B_26115226	Ca_Kabuli_Chr03	NC_021162.1	26115226	AA	TT	TT	INTERGENIC		
SNP_12766B_26115322	Ca_Kabuli_Chr03	NC_021162.1	26115322	TT	AA	AA	INTERGENIC		
SNP_12767B_26115384	Ca_Kabuli_Chr03	NC_021162.1	26115384	AA	TT	TT	INTERGENIC		
SNP_12768B_26115435	Ca_Kabuli_Chr03	NC_021162.1	26115435	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_12769B_26115543	Ca_Kabuli_Chr03	NC_021162.1	26115543	GG	AA	AA	INTERGENIC		
SNP_12770B_26115748	Ca_Kabuli_Chr03	NC_021162.1	26115748	AA	TT	TT	INTERGENIC		
SNP_12772B_26174976	Ca_Kabuli_Chr03	NC_021162.1	26174976	TT	CC	CC	INTERGENIC		
SNP_12773B_26179921	Ca_Kabuli_Chr03	NC_021162.1	26179921	TT	AA	AA	INTERGENIC		
SNP_12774B_26266788	Ca_Kabuli_Chr03	NC_021162.1	26266788	AA	TT	TT	INTERGENIC		
SNP_12775B_26396126	Ca_Kabuli_Chr03	NC_021162.1	26396126	TT	GG	GG	INTRON	101497376	protein FLOWERING LOCUS T-like
SNP_12777B_26411747	Ca_Kabuli_Chr03	NC_021162.1	26411747	TT	CC	CC	INTRON	101496618	protein HEADING DATE 3A-like
SNP_12778B_26411988	Ca_Kabuli_Chr03	NC_021162.1	26411988	CC	TT	TT	INTRON	101496618	protein HEADING DATE 3A-like
SNP_12779B_26412178	Ca_Kabuli_Chr03	NC_021162.1	26412178	TT	GG	GG	INTRON	101496618	protein HEADING DATE 3A-like
SNP_12780B_26484213	Ca_Kabuli_Chr03	NC_021162.1	26484213	AA	GG	GG	INTERGENIC		
SNP_12781B_26495353	Ca_Kabuli_Chr03	NC_021162.1	26495353	TT	CC	CC	INTERGENIC		
SNP_12782B_26495361	Ca_Kabuli_Chr03	NC_021162.1	26495361	TT	CC	CC	INTERGENIC		
SNP_12783B_26495556	Ca_Kabuli_Chr03	NC_021162.1	26495556	GG	AA	AA	INTERGENIC		
SNP_12784B_26495558	Ca_Kabuli_Chr03	NC_021162.1	26495558	GG	AA	AA	INTERGENIC		
SNP_12785B_26495591	Ca_Kabuli_Chr03	NC_021162.1	26495591	AA	GG	GG	INTERGENIC		
SNP_12786B_26495666	Ca_Kabuli_Chr03	NC_021162.1	26495666	CC	TT	TT	INTERGENIC		
SNP_12787B_26495683	Ca_Kabuli_Chr03	NC_021162.1	26495683	TT	CC	CC	INTERGENIC		
SNP_12788B_26495685	Ca_Kabuli_Chr03	NC_021162.1	26495685	TT	CC	CC	INTERGENIC		
SNP_12789B_26495689	Ca_Kabuli_Chr03	NC_021162.1	26495689	AA	TT	TT	INTERGENIC		
SNP_12790B_26495714	Ca_Kabuli_Chr03	NC_021162.1	26495714	TT	AA	AA	INTERGENIC		
SNP_12791B_26495766	Ca_Kabuli_Chr03	NC_021162.1	26495766	AA	TT	TT	INTERGENIC		
SNP_12792B_26495956	Ca_Kabuli_Chr03	NC_021162.1	26495956	CC	TT	TT	INTERGENIC		
SNP_12793B_26496003	Ca_Kabuli_Chr03	NC_021162.1	26496003	AA	CC	CC	INTERGENIC		
SNP_12794B_26496154	Ca_Kabuli_Chr03	NC_021162.1	26496154	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_12795B_26648608	Ca_Kabuli_Chr03	NC_021162.1	26648608	GG	AA	AA	INTERGENIC		
SNP_12796B_26686647	Ca_Kabuli_Chr03	NC_021162.1	26686647	TT	GG	GG	DRR	101507678	adenylyl-sulfate kinase 3
SNP_12797B_26686950	Ca_Kabuli_Chr03	NC_021162.1	26686950	CC	TT	TT	DRR	101507678	adenylyl-sulfate kinase 3
SNP_12798B_26707690	Ca_Kabuli_Chr03	NC_021162.1	26707690	TT	CC	CC	NON_SYNONYMOUS_CODING	101509159	serine/threonine-protein phosphatase 7 long form homolog
SNP_12801B_26897312	Ca_Kabuli_Chr03	NC_021162.1	26897312	CC	TT	TT	URR	101510448	mavicyanin-like
SNP_12802B_27073468	Ca_Kabuli_Chr03	NC_021162.1	27073468	AA	GG	GG	DRR	101497042	putative disease resistance RPP13-like protein 1
SNP_12804B_27073585	Ca_Kabuli_Chr03	NC_021162.1	27073585	GG	TT	TT	URR	101496734	cationic amino acid transporter 2, vacuolar-like
SNP_12805B_27073619	Ca_Kabuli_Chr03	NC_021162.1	27073619	TT	GG	GG	URR	101496734	cationic amino acid transporter 2, vacuolar-like
SNP_12806B_27073658	Ca_Kabuli_Chr03	NC_021162.1	27073658	TT	AA	AA	URR	101496734	cationic amino acid transporter 2, vacuolar-like
SNP_12807B_27238032	Ca_Kabuli_Chr03	NC_021162.1	27238032	TT	GG	GG	INTERGENIC		
SNP_12808B_27238879	Ca_Kabuli_Chr03	NC_021162.1	27238879	AA	GG	GG	URR	101514337	inorganic phosphate transporter 1-4-like
SNP_12809B_27240617	Ca_Kabuli_Chr03	NC_021162.1	27240617	TT	CC	CC	URR	101514337	inorganic phosphate transporter 1-4-like
SNP_12810B_27240695	Ca_Kabuli_Chr03	NC_021162.1	27240695	GG	AA	AA	URR	101514337	inorganic phosphate transporter 1-4-like
SNP_12811B_27240708	Ca_Kabuli_Chr03	NC_021162.1	27240708	TT	CC	CC	URR	101514337	inorganic phosphate transporter 1-4-like
SNP_12812B_27240762	Ca_Kabuli_Chr03	NC_021162.1	27240762	CC	GG	GG	INTERGENIC		
SNP_12813B_27240763	Ca_Kabuli_Chr03	NC_021162.1	27240763	AA	CC	CC	INTERGENIC		
SNP_12814B_27244911	Ca_Kabuli_Chr03	NC_021162.1	27244911	GG	CC	CC	INTERGENIC		
SNP_12815B_27245484	Ca_Kabuli_Chr03	NC_021162.1	27245484	GG	AA	AA	INTERGENIC		
SNP_12816B_27282766	Ca_Kabuli_Chr03	NC_021162.1	27282766	GG	AA	AA	INTERGENIC		
SNP_12817B_27306870	Ca_Kabuli_Chr03	NC_021162.1	27306870	AA	GG	GG	INTERGENIC		
SNP_12818B_27345010	Ca_Kabuli_Chr03	NC_021162.1	27345010	TT	CC	CC	DRR	101505193	zinc finger protein VAR3, chloroplastic
SNP_12819B_27345014	Ca_Kabuli_Chr03	NC_021162.1	27345014	AA	CC	CC	DRR	101505193	zinc finger protein VAR3, chloroplastic
SNP_12821B_27582610	Ca_Kabuli_Chr03	NC_021162.1	27582610	CC	GG	GG	INTRON	101488715	alpha-L-arabinofuranosidase 1-like
SNP_12822B_27617967	Ca_Kabuli_Chr03	NC_021162.1	27617967	AA	GG	GG	DRR	101489816	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_12823B_27629059	Ca_Kabuli_Chr03	NC_021162.1	27629059	CC	TT	TT	DRR	101490139	protein PHR1-LIKE 1-like
SNP_12824B_27648605	Ca_Kabuli_Chr03	NC_021162.1	27648605	TT	CC	CC	INTERGENIC		
SNP_12825B_27648608	Ca_Kabuli_Chr03	NC_021162.1	27648608	AA	CC	CC	INTERGENIC		
SNP_12826B_27679549	Ca_Kabuli_Chr03	NC_021162.1	27679549	TT	GG	GG	DRR	101492956	uncharacterized LOC101492956
SNP_12827B_27679551	Ca_Kabuli_Chr03	NC_021162.1	27679551	TT	GG	GG	DRR	101492956	uncharacterized LOC101492956
SNP_12828B_27794465	Ca_Kabuli_Chr03	NC_021162.1	27794465	GG	AA	AA	URR	101497925	aladin
SNP_12829B_27846763	Ca_Kabuli_Chr03	NC_021162.1	27846763	TT	CC	CC	NON_SYNONYMOUS_CODING	101498915	uncharacterized LOC101498915
SNP_12830B_27849884	Ca_Kabuli_Chr03	NC_021162.1	27849884	TT	AA	AA	INTRON	101498915	uncharacterized LOC101498915
SNP_12831B_27853044	Ca_Kabuli_Chr03	NC_021162.1	27853044	AA	TT	TT	INTRON	101498915	uncharacterized LOC101498915
SNP_12832B_27853050	Ca_Kabuli_Chr03	NC_021162.1	27853050	AA	TT	TT	INTRON	101498915	uncharacterized LOC101498915
SNP_12833B_27853054	Ca_Kabuli_Chr03	NC_021162.1	27853054	GG	AA	AA	INTRON	101498915	uncharacterized LOC101498915
SNP_12834B_27853598	Ca_Kabuli_Chr03	NC_021162.1	27853598	CC	AA	AA	INTRON	101498915	uncharacterized LOC101498915
SNP_12835B_27853957	Ca_Kabuli_Chr03	NC_021162.1	27853957	CC	TT	TT	INTRON	101498915	uncharacterized LOC101498915
SNP_12837B_27854215	Ca_Kabuli_Chr03	NC_021162.1	27854215	GG	AA	AA	INTRON	101498915	uncharacterized LOC101498915
SNP_12838B_27854224	Ca_Kabuli_Chr03	NC_021162.1	27854224	GG	AA	AA	INTRON	101498915	uncharacterized LOC101498915
SNP_12839B_27854306	Ca_Kabuli_Chr03	NC_021162.1	27854306	GG	AA	AA	INTRON	101498915	uncharacterized LOC101498915
SNP_12840B_27854352	Ca_Kabuli_Chr03	NC_021162.1	27854352	TT	CC	CC	INTRON	101498915	uncharacterized LOC101498915
SNP_12841B_27854355	Ca_Kabuli_Chr03	NC_021162.1	27854355	GG	AA	AA	INTRON	101498915	uncharacterized LOC101498915
SNP_12842B_27854555	Ca_Kabuli_Chr03	NC_021162.1	27854555	GG	AA	AA	INTRON	101498915	uncharacterized LOC101498915
SNP_12843B_27854694	Ca_Kabuli_Chr03	NC_021162.1	27854694	AA	GG	GG	INTRON	101498915	uncharacterized LOC101498915
SNP_12844B_27854695	Ca_Kabuli_Chr03	NC_021162.1	27854695	AA	GG	GG	INTRON	101498915	uncharacterized LOC101498915
SNP_12845B_27854731	Ca_Kabuli_Chr03	NC_021162.1	27854731	AA	GG	GG	INTRON	101498915	uncharacterized LOC101498915
SNP_12846B_27854735	Ca_Kabuli_Chr03	NC_021162.1	27854735	AA	GG	GG	INTRON	101498915	uncharacterized LOC101498915
SNP_12847B_27854744	Ca_Kabuli_Chr03	NC_021162.1	27854744	GG	TT	TT	INTRON	101498915	uncharacterized LOC101498915

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_12849B_27854816	Ca_Kabuli_Chr03	NC_021162.1	27854816	GG	TT	TT	INTRON	101498915	uncharacterized LOC101498915
SNP_12850B_27855139	Ca_Kabuli_Chr03	NC_021162.1	27855139	AA	CC	CC	INTRON	101498915	uncharacterized LOC101498915
SNP_12852B_27861236	Ca_Kabuli_Chr03	NC_021162.1	27861236	AA	GG	GG	INTERGENIC		
SNP_12853B_27866897	Ca_Kabuli_Chr03	NC_021162.1	27866897	AA	CC	CC	INTERGENIC		
SNP_12854B_27866904	Ca_Kabuli_Chr03	NC_021162.1	27866904	TT	CC	CC	INTERGENIC		
SNP_12855B_27866950	Ca_Kabuli_Chr03	NC_021162.1	27866950	AA	GG	GG	INTERGENIC		
SNP_12856B_27869836	Ca_Kabuli_Chr03	NC_021162.1	27869836	TT	GG	GG	INTERGENIC		
SNP_12857B_27919487	Ca_Kabuli_Chr03	NC_021162.1	27919487	AA	TT	TT	INTERGENIC		
SNP_12858B_28014298	Ca_Kabuli_Chr03	NC_021162.1	28014298	TT	AA	AA	INTERGENIC		
SNP_12859B_28026724	Ca_Kabuli_Chr03	NC_021162.1	28026724	TT	CC	CC	DRR	101504345	protein NRT1/ PTR FAMILY 3.1-like
SNP_12860B_28026728	Ca_Kabuli_Chr03	NC_021162.1	28026728	AA	CC	CC	DRR	101504345	protein NRT1/ PTR FAMILY 3.1-like
SNP_12861B_28052656	Ca_Kabuli_Chr03	NC_021162.1	28052656	GG	AA	AA	INTRON	101504345	protein NRT1/ PTR FAMILY 3.1-like
SNP_12862B_28052822	Ca_Kabuli_Chr03	NC_021162.1	28052822	CC	GG	GG	URR	101504345	protein NRT1/ PTR FAMILY 3.1-like
SNP_12863B_28109606	Ca_Kabuli_Chr03	NC_021162.1	28109606	TT	CC	CC	INTERGENIC		
SNP_12864B_28109758	Ca_Kabuli_Chr03	NC_021162.1	28109758	AA	GG	GG	INTERGENIC		
SNP_12866B_28188148	Ca_Kabuli_Chr03	NC_021162.1	28188148	CC	AA	AA	INTERGENIC		
SNP_12867B_28188262	Ca_Kabuli_Chr03	NC_021162.1	28188262	CC	TT	TT	INTERGENIC		
SNP_12869B_28188337	Ca_Kabuli_Chr03	NC_021162.1	28188337	GG	TT	TT	INTERGENIC		
SNP_12870B_28188406	Ca_Kabuli_Chr03	NC_021162.1	28188406	AA	TT	TT	INTERGENIC		
SNP_12871B_28188412	Ca_Kabuli_Chr03	NC_021162.1	28188412	GG	AA	AA	INTERGENIC		
SNP_12873B_28188447	Ca_Kabuli_Chr03	NC_021162.1	28188447	TT	AA	AA	INTERGENIC		
SNP_12874B_28192938	Ca_Kabuli_Chr03	NC_021162.1	28192938	TT	CC	CC	INTERGENIC		
SNP_12875B_28193234	Ca_Kabuli_Chr03	NC_021162.1	28193234	GG	AA	AA	INTERGENIC		
SNP_12876B_28193238	Ca_Kabuli_Chr03	NC_021162.1	28193238	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_12877B_28193301	Ca_Kabuli_Chr03	NC_021162.1	28193301	CC	TT	TT	INTERGENIC		
SNP_12878B_28196304	Ca_Kabuli_Chr03	NC_021162.1	28196304	GG	CC	CC	INTERGENIC		
SNP_12879B_28196370	Ca_Kabuli_Chr03	NC_021162.1	28196370	AA	GG	GG	INTERGENIC		
SNP_12880B_28198303	Ca_Kabuli_Chr03	NC_021162.1	28198303	TT	AA	AA	INTERGENIC		
SNP_12882B_28198336	Ca_Kabuli_Chr03	NC_021162.1	28198336	TT	CC	CC	INTERGENIC		
SNP_12884B_28262373	Ca_Kabuli_Chr03	NC_021162.1	28262373	TT	GG	GG	INTRON	101515638	uncharacterized LOC101515638
SNP_12886B_28274804	Ca_Kabuli_Chr03	NC_021162.1	28274804	AA	GG	GG	URR	101493494	cell division control protein 48 homolog B
SNP_12887B_28407763	Ca_Kabuli_Chr03	NC_021162.1	28407763	CC	TT	TT	DRR	101497827	pentatricopeptide repeat-containing protein At4g33990
SNP_12888B_28407798	Ca_Kabuli_Chr03	NC_021162.1	28407798	TT	CC	CC	DRR	101497827	pentatricopeptide repeat-containing protein At4g33990
SNP_12889B_28407926	Ca_Kabuli_Chr03	NC_021162.1	28407926	TT	AA	AA	DRR	101497827	pentatricopeptide repeat-containing protein At4g33990
SNP_12890B_28558968	Ca_Kabuli_Chr03	NC_021162.1	28558968	CC	TT	TT	DRR	101502625	F-box protein At2g26850-like
SNP_12892B_28797835	Ca_Kabuli_Chr03	NC_021162.1	28797835	GG	CC	CC	INTERGENIC		
SNP_12893B_28799300	Ca_Kabuli_Chr03	NC_021162.1	28799300	GG	AA	AA	INTERGENIC		
SNP_12894B_28799332	Ca_Kabuli_Chr03	NC_021162.1	28799332	AA	TT	TT	INTERGENIC		
SNP_12895B_28799366	Ca_Kabuli_Chr03	NC_021162.1	28799366	CC	TT	TT	INTERGENIC		
SNP_12896B_28799374	Ca_Kabuli_Chr03	NC_021162.1	28799374	TT	AA	AA	INTERGENIC		
SNP_12897B_28799381	Ca_Kabuli_Chr03	NC_021162.1	28799381	TT	AA	AA	INTERGENIC		
SNP_12899B_28799600	Ca_Kabuli_Chr03	NC_021162.1	28799600	GG	AA	AA	DRR	101489710	early nodulin-55-1-like
SNP_12900B_28799751	Ca_Kabuli_Chr03	NC_021162.1	28799751	CC	TT	TT	DRR	101489710	early nodulin-55-1-like
SNP_12901B_28799779	Ca_Kabuli_Chr03	NC_021162.1	28799779	TT	CC	CC	DRR	101489710	early nodulin-55-1-like
SNP_12902B_28799803	Ca_Kabuli_Chr03	NC_021162.1	28799803	CC	AA	AA	DRR	101489710	early nodulin-55-1-like
SNP_12903B_28799805	Ca_Kabuli_Chr03	NC_021162.1	28799805	GG	TT	TT	DRR	101489710	early nodulin-55-1-like
SNP_12904B_28902233	Ca_Kabuli_Chr03	NC_021162.1	28902233	AA	TT	TT	INTERGENIC		
SNP_12905B_28984910	Ca_Kabuli_Chr03	NC_021162.1	28984910	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_12906B_28994904	Ca_Kabuli_Chr03	NC_021162.1	28994904	TT	GG	GG	INTRON	101489274	uncharacterized LOC101489274
SNP_12907B_28994916	Ca_Kabuli_Chr03	NC_021162.1	28994916	AA	GG	GG	INTRON	101489274	uncharacterized LOC101489274
SNP_12908B_28994917	Ca_Kabuli_Chr03	NC_021162.1	28994917	TT	CC	CC	INTRON	101489274	uncharacterized LOC101489274
SNP_12910B_28995047	Ca_Kabuli_Chr03	NC_021162.1	28995047	CC	TT	TT	INTRON	101489274	uncharacterized LOC101489274
SNP_12911B_28995098	Ca_Kabuli_Chr03	NC_021162.1	28995098	AA	GG	GG	INTRON	101489274	uncharacterized LOC101489274
SNP_12912B_28995112	Ca_Kabuli_Chr03	NC_021162.1	28995112	CC	AA	AA	INTRON	101489274	uncharacterized LOC101489274
SNP_12914B_28995158	Ca_Kabuli_Chr03	NC_021162.1	28995158	TT	CC	CC	INTRON	101489274	uncharacterized LOC101489274
SNP_12915B_28995293	Ca_Kabuli_Chr03	NC_021162.1	28995293	GG	CC	CC	NON_SYNONYMOUS_CODING	101489274	uncharacterized LOC101489274
SNP_12916B_28995379	Ca_Kabuli_Chr03	NC_021162.1	28995379	AA	GG	GG	INTRON	101489274	uncharacterized LOC101489274
SNP_12917B_28995407	Ca_Kabuli_Chr03	NC_021162.1	28995407	AA	GG	GG	INTRON	101489274	uncharacterized LOC101489274
SNP_12918B_28995492	Ca_Kabuli_Chr03	NC_021162.1	28995492	AA	GG	GG	INTRON	101489274	uncharacterized LOC101489274
SNP_12919B_28996573	Ca_Kabuli_Chr03	NC_021162.1	28996573	TT	CC	CC	INTRON	101489274	uncharacterized LOC101489274
SNP_12920B_28996584	Ca_Kabuli_Chr03	NC_021162.1	28996584	CC	TT	TT	INTRON	101489274	uncharacterized LOC101489274
SNP_12921B_28996585	Ca_Kabuli_Chr03	NC_021162.1	28996585	AA	GG	GG	INTRON	101489274	uncharacterized LOC101489274
SNP_12922B_28996587	Ca_Kabuli_Chr03	NC_021162.1	28996587	TT	AA	AA	INTRON	101489274	uncharacterized LOC101489274
SNP_12923B_28996624	Ca_Kabuli_Chr03	NC_021162.1	28996624	GG	TT	TT	INTRON	101489274	uncharacterized LOC101489274
SNP_12925B_28996928	Ca_Kabuli_Chr03	NC_021162.1	28996928	AA	GG	GG	NON_SYNONYMOUS_CODING	101489274	uncharacterized LOC101489274
SNP_12926B_28996931	Ca_Kabuli_Chr03	NC_021162.1	28996931	AA	GG	GG	NON_SYNONYMOUS_CODING	101489274	uncharacterized LOC101489274
SNP_12927B_28996935	Ca_Kabuli_Chr03	NC_021162.1	28996935	AA	GG	GG	SYNONYMOUS_CODING	101489274	uncharacterized LOC101489274
SNP_12928B_28996971	Ca_Kabuli_Chr03	NC_021162.1	28996971	TT	AA	AA	NON_SYNONYMOUS_CODING	101489274	uncharacterized LOC101489274
SNP_12929B_28996977	Ca_Kabuli_Chr03	NC_021162.1	28996977	TT	CC	CC	SYNONYMOUS_CODING	101489274	uncharacterized LOC101489274
SNP_12930B_28997022	Ca_Kabuli_Chr03	NC_021162.1	28997022	CC	TT	TT	SYNONYMOUS_CODING	101489274	uncharacterized LOC101489274
SNP_12931B_28997027	Ca_Kabuli_Chr03	NC_021162.1	28997027	AA	CC	CC	NON_SYNONYMOUS_CODING	101489274	uncharacterized LOC101489274
SNP_12932B_28997337	Ca_Kabuli_Chr03	NC_021162.1	28997337	CC	TT	TT	NON_SYNONYMOUS_CODING	101489274	uncharacterized LOC101489274

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_12933B_28997338	Ca_Kabuli_Chr03	NC_021162.1	28997338	AA	GG	GG	NON_SYNONYMOUS_CODING	101489274	uncharacterized LOC101489274
SNP_12934B_28997389	Ca_Kabuli_Chr03	NC_021162.1	28997389	AA	CC	CC	NON_SYNONYMOUS_CODING	101489274	uncharacterized LOC101489274
SNP_12935B_28997427	Ca_Kabuli_Chr03	NC_021162.1	28997427	CC	TT	TT	STOP_GAINED	101489274	uncharacterized LOC101489274
SNP_12936B_28999521	Ca_Kabuli_Chr03	NC_021162.1	28999521	CC	TT	TT	SYNONYMOUS_CODING	101489274	uncharacterized LOC101489274
SNP_12937B_28999544	Ca_Kabuli_Chr03	NC_021162.1	28999544	TT	AA	AA	NON_SYNONYMOUS_CODING	101489274	uncharacterized LOC101489274
SNP_12938B_28999585	Ca_Kabuli_Chr03	NC_021162.1	28999585	GG	AA	AA	NON_SYNONYMOUS_CODING	101489274	uncharacterized LOC101489274
SNP_12939B_28999587	Ca_Kabuli_Chr03	NC_021162.1	28999587	CC	GG	GG	SYNONYMOUS_CODING	101489274	uncharacterized LOC101489274
SNP_12940B_28999620	Ca_Kabuli_Chr03	NC_021162.1	28999620	AA	GG	GG	INTRON	101489274	uncharacterized LOC101489274
SNP_12942B_28999780	Ca_Kabuli_Chr03	NC_021162.1	28999780	AA	CC	CC	INTRON	101489274	uncharacterized LOC101489274
SNP_12943B_28999785	Ca_Kabuli_Chr03	NC_021162.1	28999785	CC	GG	GG	INTRON	101489274	uncharacterized LOC101489274
SNP_12944B_28999798	Ca_Kabuli_Chr03	NC_021162.1	28999798	CC	TT	TT	INTRON	101489274	uncharacterized LOC101489274
SNP_12945B_28999814	Ca_Kabuli_Chr03	NC_021162.1	28999814	AA	TT	TT	INTRON	101489274	uncharacterized LOC101489274
SNP_12946B_28999841	Ca_Kabuli_Chr03	NC_021162.1	28999841	AA	GG	GG	INTRON	101489274	uncharacterized LOC101489274
SNP_12947B_28999900	Ca_Kabuli_Chr03	NC_021162.1	28999900	CC	TT	TT	INTRON	101489274	uncharacterized LOC101489274
SNP_12948B_28999916	Ca_Kabuli_Chr03	NC_021162.1	28999916	TT	AA	AA	INTRON	101489274	uncharacterized LOC101489274
SNP_12949B_28999921	Ca_Kabuli_Chr03	NC_021162.1	28999921	AA	TT	TT	INTRON	101489274	uncharacterized LOC101489274
SNP_12950B_29000035	Ca_Kabuli_Chr03	NC_021162.1	29000035	TT	GG	GG	INTRON	101489274	uncharacterized LOC101489274
SNP_12951B_29000040	Ca_Kabuli_Chr03	NC_021162.1	29000040	CC	GG	GG	INTRON	101489274	uncharacterized LOC101489274
SNP_12952B_29000093	Ca_Kabuli_Chr03	NC_021162.1	29000093	AA	GG	GG	INTRON	101489274	uncharacterized LOC101489274
SNP_12953B_29000161	Ca_Kabuli_Chr03	NC_021162.1	29000161	TT	GG	GG	INTRON	101489274	uncharacterized LOC101489274
SNP_12954B_29000220	Ca_Kabuli_Chr03	NC_021162.1	29000220	GG	AA	AA	NON_SYNONYMOUS_CODING	101489274	uncharacterized LOC101489274
SNP_12955B_29000223	Ca_Kabuli_Chr03	NC_021162.1	29000223	GG	AA	AA	NON_SYNONYMOUS_CODING	101489274	uncharacterized LOC101489274
SNP_12956B_29000240	Ca_Kabuli_Chr03	NC_021162.1	29000240	GG	AA	AA	INTRON	101489274	uncharacterized LOC101489274
SNP_12957B_29000268	Ca_Kabuli_Chr03	NC_021162.1	29000268	GG	AA	AA	INTRON	101489274	uncharacterized LOC101489274

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_12958B_29000667	Ca_Kabuli_Chr03	NC_021162.1	29000667	CC	AA	AA	INTRON	101489274	uncharacterized LOC101489274
SNP_12959B_29000745	Ca_Kabuli_Chr03	NC_021162.1	29000745	GG	AA	AA	INTRON	101489274	uncharacterized LOC101489274
SNP_12960B_29000758	Ca_Kabuli_Chr03	NC_021162.1	29000758	GG	TT	TT	INTRON	101489274	uncharacterized LOC101489274
SNP_12961B_29000770	Ca_Kabuli_Chr03	NC_021162.1	29000770	AA	GG	GG	INTRON	101489274	uncharacterized LOC101489274
SNP_12962B_29000810	Ca_Kabuli_Chr03	NC_021162.1	29000810	CC	TT	TT	INTRON	101489274	uncharacterized LOC101489274
SNP_12964B_29000965	Ca_Kabuli_Chr03	NC_021162.1	29000965	GG	TT	TT	NON_SYNONYMOUS_CODING	101489274	uncharacterized LOC101489274
SNP_12965B_29000970	Ca_Kabuli_Chr03	NC_021162.1	29000970	AA	TT	TT	NON_SYNONYMOUS_CODING	101489274	uncharacterized LOC101489274
SNP_12966B_29000975	Ca_Kabuli_Chr03	NC_021162.1	29000975	AA	CC	CC	NON_SYNONYMOUS_CODING	101489274	uncharacterized LOC101489274
SNP_12967B_29000981	Ca_Kabuli_Chr03	NC_021162.1	29000981	CC	TT	TT	SYNONYMOUS_CODING	101489274	uncharacterized LOC101489274
SNP_12968B_29001038	Ca_Kabuli_Chr03	NC_021162.1	29001038	TT	CC	CC	INTERGENIC		
SNP_12969B_29001043	Ca_Kabuli_Chr03	NC_021162.1	29001043	AA	GG	GG	INTERGENIC		
SNP_12970B_29001068	Ca_Kabuli_Chr03	NC_021162.1	29001068	GG	AA	AA	INTERGENIC		
SNP_12971B_29001074	Ca_Kabuli_Chr03	NC_021162.1	29001074	TT	CC	CC	INTERGENIC		
SNP_12972B_29001178	Ca_Kabuli_Chr03	NC_021162.1	29001178	CC	TT	TT	INTERGENIC		
SNP_12973B_29001180	Ca_Kabuli_Chr03	NC_021162.1	29001180	GG	AA	AA	INTERGENIC		
SNP_12974B_29073856	Ca_Kabuli_Chr03	NC_021162.1	29073856	AA	CC	CC	URR	101491952	protein FATTY ACID EXPORT 1, chloroplastic
SNP_12975B_29132058	Ca_Kabuli_Chr03	NC_021162.1	29132058	TT	CC	CC	DRR	101491011	Unknown function
SNP_12976B_29161048	Ca_Kabuli_Chr03	NC_021162.1	29161048	TT	AA	AA	URR	101495849	uncharacterized LOC101495849
SNP_12977B_29161985	Ca_Kabuli_Chr03	NC_021162.1	29161985	AA	TT	TT	URR	101495849	uncharacterized LOC101495849
SNP_12979B_29214525	Ca_Kabuli_Chr03	NC_021162.1	29214525	CC	TT	TT	URR	101499346	putative disease resistance protein RGA3
SNP_12980B_29221154	Ca_Kabuli_Chr03	NC_021162.1	29221154	AA	GG	GG	URR	101499660	transcription initiation factor IIB
SNP_12981B_29248366	Ca_Kabuli_Chr03	NC_021162.1	29248366	TT	CC	CC	INTERGENIC		
SNP_12982B_29249434	Ca_Kabuli_Chr03	NC_021162.1	29249434	CC	TT	TT	INTERGENIC		
SNP_12983B_29249462	Ca_Kabuli_Chr03	NC_021162.1	29249462	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_12984B_29249503	Ca_Kabuli_Chr03	NC_021162.1	29249503	AA	GG	GG	INTERGENIC		
SNP_12985B_29249508	Ca_Kabuli_Chr03	NC_021162.1	29249508	TT	GG	GG	INTERGENIC		
SNP_12987B_29249535	Ca_Kabuli_Chr03	NC_021162.1	29249535	GG	AA	AA	INTERGENIC		
SNP_12988B_29249553	Ca_Kabuli_Chr03	NC_021162.1	29249553	AA	GG	GG	INTERGENIC		
SNP_12989B_29249614	Ca_Kabuli_Chr03	NC_021162.1	29249614	AA	GG	GG	INTERGENIC		
SNP_12990B_29249681	Ca_Kabuli_Chr03	NC_021162.1	29249681	AA	CC	CC	INTERGENIC		
SNP_12991B_29249942	Ca_Kabuli_Chr03	NC_021162.1	29249942	TT	CC	CC	INTERGENIC		
SNP_12992B_29249965	Ca_Kabuli_Chr03	NC_021162.1	29249965	AA	GG	GG	INTERGENIC		
SNP_12993B_29250029	Ca_Kabuli_Chr03	NC_021162.1	29250029	GG	AA	AA	INTERGENIC		
SNP_12994B_29250060	Ca_Kabuli_Chr03	NC_021162.1	29250060	GG	AA	AA	INTERGENIC		
SNP_12997B_29318929	Ca_Kabuli_Chr03	NC_021162.1	29318929	GG	AA	AA	INTERGENIC		
SNP_12999B_29506963	Ca_Kabuli_Chr03	NC_021162.1	29506963	TT	GG	GG	DRR	101512921	calcium-dependent protein kinase 32-like
SNP_13001B_29535227	Ca_Kabuli_Chr03	NC_021162.1	29535227	GG	AA	AA	URR	101514112	uncharacterized LOC101514112
SNP_13002B_29541829	Ca_Kabuli_Chr03	NC_021162.1	29541829	TT	CC	CC	INTERGENIC		
SNP_13003B_29553761	Ca_Kabuli_Chr03	NC_021162.1	29553761	TT	GG	GG	INTERGENIC		
SNP_13004B_29553762	Ca_Kabuli_Chr03	NC_021162.1	29553762	GG	AA	AA	INTERGENIC		
SNP_13005B_29560743	Ca_Kabuli_Chr03	NC_021162.1	29560743	AA	GG	GG	INTERGENIC		
SNP_13006B_29560745	Ca_Kabuli_Chr03	NC_021162.1	29560745	AA	CC	CC	INTERGENIC		
SNP_13007B_29564352	Ca_Kabuli_Chr03	NC_021162.1	29564352	GG	AA	AA	INTERGENIC		
SNP_13008B_29691890	Ca_Kabuli_Chr03	NC_021162.1	29691890	TT	AA	AA	URR	101492738	zinc finger A20 and AN1 domain-containing stress-associated protein 8-like
SNP_13012B_29858723	Ca_Kabuli_Chr03	NC_021162.1	29858723	AA	TT	TT	INTERGENIC		
SNP_13014B_29867328	Ca_Kabuli_Chr03	NC_021162.1	29867328	GG	TT	TT	URR	101500723	probable pectinesterase 8
SNP_13015B_29934810	Ca_Kabuli_Chr03	NC_021162.1	29934810	AA	GG	GG	URR	101504038	transcription repressor KAN1-like
SNP_13016B_29937161	Ca_Kabuli_Chr03	NC_021162.1	29937161	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_13017B_29950693	Ca_Kabuli_Chr03	NC_021162.1	29950693	CC	TT	TT	INTERGENIC		
SNP_13018B_29994022	Ca_Kabuli_Chr03	NC_021162.1	29994022	AA	TT	TT	URR	101410577	transfer RNA alanine (anticodon UGC)
SNP_13019B_30033954	Ca_Kabuli_Chr03	NC_021162.1	30033954	CC	AA	AA	DRR	101510348	metal tolerance protein C2
SNP_13021B_30260469	Ca_Kabuli_Chr03	NC_021162.1	30260469	CC	TT	TT	URR	101491646	dirigent protein 22-like
SNP_13022B_30293456	Ca_Kabuli_Chr03	NC_021162.1	30293456	GG	TT	TT	NON_SYNONYMOUS_CODING	101493290	pentatricopeptide repeat-containing protein At1g71490-like
SNP_13023B_30293591	Ca_Kabuli_Chr03	NC_021162.1	30293591	CC	TT	TT	SYNONYMOUS_CODING	101493290	pentatricopeptide repeat-containing protein At1g71490-like
SNP_13024B_30412995	Ca_Kabuli_Chr03	NC_021162.1	30412995	GG	AA	AA	INTERGENIC		
SNP_13025B_30438938	Ca_Kabuli_Chr03	NC_021162.1	30438938	TT	AA	AA	INTRON	101494878	HUA2-like protein 3
SNP_13026B_30497743	Ca_Kabuli_Chr03	NC_021162.1	30497743	AA	GG	GG	URR	101495525	aluminum-activated malate transporter 2-like
SNP_13027B_30497746	Ca_Kabuli_Chr03	NC_021162.1	30497746	AA	TT	TT	URR	101495525	aluminum-activated malate transporter 2-like
SNP_13028B_30607460	Ca_Kabuli_Chr03	NC_021162.1	30607460	AA	CC	CC	INTERGENIC		
SNP_13029B_30626462	Ca_Kabuli_Chr03	NC_021162.1	30626462	TT	CC	CC	INTERGENIC		
SNP_13030B_30815376	Ca_Kabuli_Chr03	NC_021162.1	30815376	GG	AA	AA	INTERGENIC		
SNP_13031B_30820175	Ca_Kabuli_Chr03	NC_021162.1	30820175	TT	GG	GG	INTERGENIC		
SNP_13032B_30820176	Ca_Kabuli_Chr03	NC_021162.1	30820176	TT	CC	CC	INTERGENIC		
SNP_13033B_30820186	Ca_Kabuli_Chr03	NC_021162.1	30820186	GG	AA	AA	INTERGENIC		
SNP_13034B_30820208	Ca_Kabuli_Chr03	NC_021162.1	30820208	AA	GG	GG	INTERGENIC		
SNP_13036B_30846355	Ca_Kabuli_Chr03	NC_021162.1	30846355	CC	AA	AA	INTERGENIC		
SNP_13037B_30846404	Ca_Kabuli_Chr03	NC_021162.1	30846404	AA	GG	GG	INTERGENIC		
SNP_13038B_30846471	Ca_Kabuli_Chr03	NC_021162.1	30846471	TT	AA	AA	INTERGENIC		
SNP_13039B_30846773	Ca_Kabuli_Chr03	NC_021162.1	30846773	AA	GG	GG	INTERGENIC		
SNP_13040B_30846791	Ca_Kabuli_Chr03	NC_021162.1	30846791	TT	CC	CC	INTERGENIC		
SNP_13043B_30930645	Ca_Kabuli_Chr03	NC_021162.1	30930645	TT	CC	CC	INTERGENIC		
SNP_13044B_31067424	Ca_Kabuli_Chr03	NC_021162.1	31067424	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_13045B_31165509	Ca_Kabuli_Chr03	NC_021162.1	31165509	TT	AA	AA	DRR	101510680	LOB domain-containing protein 16
SNP_13046B_31214385	Ca_Kabuli_Chr03	NC_021162.1	31214385	GG	AA	AA	URR	101512924	ethylene-responsive transcription factor ERF098-like
SNP_13047B_31232521	Ca_Kabuli_Chr03	NC_021162.1	31232521	GG	AA	AA	INTERGENIC		
SNP_13048B_31263216	Ca_Kabuli_Chr03	NC_021162.1	31263216	AA	GG	GG	INTERGENIC		
SNP_13049B_31263892	Ca_Kabuli_Chr03	NC_021162.1	31263892	GG	AA	AA	INTERGENIC		
SNP_13050B_31265678	Ca_Kabuli_Chr03	NC_021162.1	31265678	AA	GG	GG	INTERGENIC		
SNP_13051B_31265693	Ca_Kabuli_Chr03	NC_021162.1	31265693	AA	GG	GG	INTERGENIC		
SNP_13052B_31265700	Ca_Kabuli_Chr03	NC_021162.1	31265700	AA	GG	GG	INTERGENIC		
SNP_13053B_31265716	Ca_Kabuli_Chr03	NC_021162.1	31265716	CC	AA	AA	INTERGENIC		
SNP_13054B_31265741	Ca_Kabuli_Chr03	NC_021162.1	31265741	GG	AA	AA	INTERGENIC		
SNP_13055B_31265757	Ca_Kabuli_Chr03	NC_021162.1	31265757	CC	TT	TT	INTERGENIC		
SNP_13057B_31266959	Ca_Kabuli_Chr03	NC_021162.1	31266959	CC	AA	AA	DRR	101513579	Unknown function
SNP_13058B_31266963	Ca_Kabuli_Chr03	NC_021162.1	31266963	AA	GG	GG	DRR	101513579	Unknown function
SNP_13059B_31267137	Ca_Kabuli_Chr03	NC_021162.1	31267137	AA	GG	GG	DRR	101513579	Unknown function
SNP_13060B_31274153	Ca_Kabuli_Chr03	NC_021162.1	31274153	TT	AA	AA	URR	101513892	actin-depolymerizing factor
SNP_13061B_31280326	Ca_Kabuli_Chr03	NC_021162.1	31280326	AA	GG	GG	INTRON	101514548	protein root UVB sensitive 2, chloroplastic
SNP_13062B_31280649	Ca_Kabuli_Chr03	NC_021162.1	31280649	CC	TT	TT	INTRON	101514548	protein root UVB sensitive 2, chloroplastic
SNP_13063B_31282372	Ca_Kabuli_Chr03	NC_021162.1	31282372	GG	TT	TT	URR	101514548	protein root UVB sensitive 2, chloroplastic
SNP_13064B_31282389	Ca_Kabuli_Chr03	NC_021162.1	31282389	CC	TT	TT	URR	101514548	protein root UVB sensitive 2, chloroplastic
SNP_13065B_31283899	Ca_Kabuli_Chr03	NC_021162.1	31283899	TT	GG	GG	URR	101514548	protein root UVB sensitive 2, chloroplastic
SNP_13066B_31284694	Ca_Kabuli_Chr03	NC_021162.1	31284694	TT	CC	CC	INTERGENIC		
SNP_13067B_31289700	Ca_Kabuli_Chr03	NC_021162.1	31289700	TT	AA	AA	URR	101514235	inorganic phosphate transporter 1-4
SNP_13068B_31289701	Ca_Kabuli_Chr03	NC_021162.1	31289701	CC	AA	AA	URR	101514235	inorganic phosphate transporter 1-4
SNP_13069B_31290054	Ca_Kabuli_Chr03	NC_021162.1	31290054	GG	AA	AA	URR	101514235	inorganic phosphate transporter 1-4

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_13071B_31292114	Ca_Kabuli_Chr03	NC_021162.1	31292114	TT	AA	AA	INTERGENIC		
SNP_13072B_31292417	Ca_Kabuli_Chr03	NC_021162.1	31292417	TT	CC	CC	INTERGENIC		
SNP_13073B_31294721	Ca_Kabuli_Chr03	NC_021162.1	31294721	GG	AA	AA	DRR	101514876	myb-related protein Myb4
SNP_13074B_31294749	Ca_Kabuli_Chr03	NC_021162.1	31294749	GG	TT	TT	DRR	101514876	myb-related protein Myb4
SNP_13075B_31294832	Ca_Kabuli_Chr03	NC_021162.1	31294832	AA	CC	CC	DRR	101514876	myb-related protein Myb4
SNP_13076B_31294938	Ca_Kabuli_Chr03	NC_021162.1	31294938	CC	TT	TT	DRR	101514876	myb-related protein Myb4
SNP_13077B_31294950	Ca_Kabuli_Chr03	NC_021162.1	31294950	TT	CC	CC	DRR	101514876	myb-related protein Myb4
SNP_13078B_31296426	Ca_Kabuli_Chr03	NC_021162.1	31296426	TT	CC	CC	INTRON	101514876	myb-related protein Myb4
SNP_13079B_31296677	Ca_Kabuli_Chr03	NC_021162.1	31296677	AA	GG	GG	DRR	101488719	Unknown function
SNP_13080B_31297508	Ca_Kabuli_Chr03	NC_021162.1	31297508	AA	CC	CC	URR	101514876	myb-related protein Myb4
SNP_13081B_31302329	Ca_Kabuli_Chr03	NC_021162.1	31302329	TT	AA	AA	INTERGENIC		
SNP_13082B_31302625	Ca_Kabuli_Chr03	NC_021162.1	31302625	CC	TT	TT	INTERGENIC		
SNP_13083B_31303607	Ca_Kabuli_Chr03	NC_021162.1	31303607	AA	CC	CC	DRR	101515523	uncharacterized LOC101515523
SNP_13084B_31303618	Ca_Kabuli_Chr03	NC_021162.1	31303618	TT	CC	CC	DRR	101515523	uncharacterized LOC101515523
SNP_13085B_31310453	Ca_Kabuli_Chr03	NC_021162.1	31310453	CC	AA	AA	INTERGENIC		
SNP_13086B_31315087	Ca_Kabuli_Chr03	NC_021162.1	31315087	TT	AA	AA	URR	101489278	legumin A-like
SNP_13087B_31321877	Ca_Kabuli_Chr03	NC_021162.1	31321877	GG	AA	AA	SYNONYMOUS_CODING	101488604	target of Myb protein 1
SNP_13088B_31323685	Ca_Kabuli_Chr03	NC_021162.1	31323685	TT	AA	AA	INTRON	101488604	target of Myb protein 1
SNP_13091B_31328393	Ca_Kabuli_Chr03	NC_021162.1	31328393	GG	AA	AA	DRR	101489600	U-box domain-containing protein 3
SNP_13092B_31328805	Ca_Kabuli_Chr03	NC_021162.1	31328805	GG	AA	AA	DRR	101489600	U-box domain-containing protein 3
SNP_13093B_31330293	Ca_Kabuli_Chr03	NC_021162.1	31330293	TT	CC	CC	INTRON	101489600	U-box domain-containing protein 3
SNP_13094B_31330308	Ca_Kabuli_Chr03	NC_021162.1	31330308	CC	TT	TT	INTRON	101489600	U-box domain-containing protein 3
SNP_13095B_31330311	Ca_Kabuli_Chr03	NC_021162.1	31330311	AA	CC	CC	INTRON	101489600	U-box domain-containing protein 3
SNP_13096B_31331318	Ca_Kabuli_Chr03	NC_021162.1	31331318	TT	AA	AA	NON_SYNONYMOUS_CODING	101489600	U-box domain-containing protein 3

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_13097B_31333461	Ca_Kabuli_Chr03	NC_021162.1	31333461	CC	TT	TT	INTRON	101489600	U-box domain-containing protein 3
SNP_13098B_31336940	Ca_Kabuli_Chr03	NC_021162.1	31336940	AA	TT	TT	INTERGENIC		
SNP_13100B_31338641	Ca_Kabuli_Chr03	NC_021162.1	31338641	CC	TT	TT	INTERGENIC		
SNP_13101B_31338780	Ca_Kabuli_Chr03	NC_021162.1	31338780	CC	GG	GG	INTERGENIC		
SNP_13103B_31339375	Ca_Kabuli_Chr03	NC_021162.1	31339375	AA	TT	TT	INTERGENIC		
SNP_13104B_31339388	Ca_Kabuli_Chr03	NC_021162.1	31339388	TT	GG	GG	INTERGENIC		
SNP_13105B_31339616	Ca_Kabuli_Chr03	NC_021162.1	31339616	CC	TT	TT	DRR	101490141	protein LIGHT-DEPENDENT SHORT HYPOCOTYLS 4-like
SNP_13106B_31343546	Ca_Kabuli_Chr03	NC_021162.1	31343546	TT	CC	CC	URR	101490141	protein LIGHT-DEPENDENT SHORT HYPOCOTYLS 4-like
SNP_13108B_31347964	Ca_Kabuli_Chr03	NC_021162.1	31347964	TT	AA	AA	INTERGENIC		
SNP_13109B_31347965	Ca_Kabuli_Chr03	NC_021162.1	31347965	TT	CC	CC	INTERGENIC		
SNP_13110B_31348304	Ca_Kabuli_Chr03	NC_021162.1	31348304	GG	TT	TT	INTERGENIC		
SNP_13111B_31350635	Ca_Kabuli_Chr03	NC_021162.1	31350635	CC	TT	TT	INTERGENIC		
SNP_13113B_31357212	Ca_Kabuli_Chr03	NC_021162.1	31357212	GG	AA	AA	URR	101490463	probable arabinose 5-phosphate isomerase
SNP_13114B_31359013	Ca_Kabuli_Chr03	NC_021162.1	31359013	CC	TT	TT	INTERGENIC		
SNP_13115B_31359077	Ca_Kabuli_Chr03	NC_021162.1	31359077	AA	CC	CC	INTERGENIC		
SNP_13116B_31359081	Ca_Kabuli_Chr03	NC_021162.1	31359081	TT	CC	CC	INTERGENIC		
SNP_13117B_31359087	Ca_Kabuli_Chr03	NC_021162.1	31359087	GG	AA	AA	INTERGENIC		
SNP_13118B_31366985	Ca_Kabuli_Chr03	NC_021162.1	31366985	CC	AA	AA	INTERGENIC		
SNP_13119B_31370795	Ca_Kabuli_Chr03	NC_021162.1	31370795	GG	AA	AA	INTRON	101491532	NAC domain-containing protein 21/22
SNP_13120B_31371009	Ca_Kabuli_Chr03	NC_021162.1	31371009	CC	TT	TT	INTRON	101491532	NAC domain-containing protein 21/22
SNP_13121B_31371021	Ca_Kabuli_Chr03	NC_021162.1	31371021	CC	TT	TT	INTRON	101491532	NAC domain-containing protein 21/22
SNP_13122B_31371288	Ca_Kabuli_Chr03	NC_021162.1	31371288	TT	AA	AA	INTRON	101491532	NAC domain-containing protein 21/22
SNP_13123B_31371558	Ca_Kabuli_Chr03	NC_021162.1	31371558	TT	CC	CC	INTRON	101491532	NAC domain-containing protein 21/22
SNP_13125B_31379795	Ca_Kabuli_Chr03	NC_021162.1	31379795	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_13126B_31385165	Ca_Kabuli_Chr03	NC_021162.1	31385165	GG	AA	AA	INTERGENIC		
SNP_13127B_31385188	Ca_Kabuli_Chr03	NC_021162.1	31385188	CC	TT	TT	INTERGENIC		
SNP_13128B_31385235	Ca_Kabuli_Chr03	NC_021162.1	31385235	AA	GG	GG	INTERGENIC		
SNP_13129B_31391834	Ca_Kabuli_Chr03	NC_021162.1	31391834	GG	AA	AA	INTERGENIC		
SNP_13130B_31392225	Ca_Kabuli_Chr03	NC_021162.1	31392225	GG	AA	AA	INTERGENIC		
SNP_13131B_31393160	Ca_Kabuli_Chr03	NC_021162.1	31393160	CC	TT	TT	INTERGENIC		
SNP_13132B_31396174	Ca_Kabuli_Chr03	NC_021162.1	31396174	CC	TT	TT	INTERGENIC		
SNP_13133B_31396560	Ca_Kabuli_Chr03	NC_021162.1	31396560	TT	CC	CC	INTERGENIC		
SNP_13134B_31396724	Ca_Kabuli_Chr03	NC_021162.1	31396724	GG	AA	AA	INTERGENIC		
SNP_13135B_31396729	Ca_Kabuli_Chr03	NC_021162.1	31396729	GG	TT	TT	INTERGENIC		
SNP_13136B_31396744	Ca_Kabuli_Chr03	NC_021162.1	31396744	CC	GG	GG	INTERGENIC		
SNP_13137B_31411720	Ca_Kabuli_Chr03	NC_021162.1	31411720	AA	GG	GG	INTERGENIC		
SNP_13139B_31416395	Ca_Kabuli_Chr03	NC_021162.1	31416395	CC	TT	TT	URR	101492406	H/ACA ribonucleoprotein complex subunit 3-like protein
SNP_13140B_31419698	Ca_Kabuli_Chr03	NC_021162.1	31419698	TT	CC	CC	INTRON	101492739	serine/threonine-protein kinase tricorner
SNP_13141B_31421645	Ca_Kabuli_Chr03	NC_021162.1	31421645	GG	TT	TT	INTRON	101492739	serine/threonine-protein kinase tricorner
SNP_13142B_31439756	Ca_Kabuli_Chr03	NC_021162.1	31439756	AA	CC	CC	INTERGENIC		
SNP_13143B_31443631	Ca_Kabuli_Chr03	NC_021162.1	31443631	CC	TT	TT	INTERGENIC		
SNP_13144B_31445311	Ca_Kabuli_Chr03	NC_021162.1	31445311	GG	AA	AA	DRR	101494257	glycolipid transfer protein 1-like
SNP_13145B_31445338	Ca_Kabuli_Chr03	NC_021162.1	31445338	AA	GG	GG	DRR	101494257	glycolipid transfer protein 1-like
SNP_13147B_31452772	Ca_Kabuli_Chr03	NC_021162.1	31452772	GG	AA	AA	DRR	101494765	glutathione gamma-glutamylcysteinyltransferase 1
SNP_13148B_31455806	Ca_Kabuli_Chr03	NC_021162.1	31455806	AA	CC	CC	INTRON	101494765	glutathione gamma-glutamylcysteinyltransferase 1
SNP_13149B_31461015	Ca_Kabuli_Chr03	NC_021162.1	31461015	AA	GG	GG	INTERGENIC		
SNP_13150B_31466068	Ca_Kabuli_Chr03	NC_021162.1	31466068	CC	TT	TT	INTRON	101495095	glutathione gamma-glutamylcysteinyltransferase 3-like
SNP_13151B_31475459	Ca_Kabuli_Chr03	NC_021162.1	31475459	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_13152B_31475495	Ca_Kabuli_Chr03	NC_021162.1	31475495	GG	AA	AA	INTERGENIC		
SNP_13153B_31475500	Ca_Kabuli_Chr03	NC_021162.1	31475500	GG	TT	TT	INTERGENIC		
SNP_13154B_31475828	Ca_Kabuli_Chr03	NC_021162.1	31475828	CC	AA	AA	INTERGENIC		
SNP_13155B_31481132	Ca_Kabuli_Chr03	NC_021162.1	31481132	AA	CC	CC	URR	101495423	long-chain-alcohol oxidase FAO2
SNP_13156B_31487210	Ca_Kabuli_Chr03	NC_021162.1	31487210	TT	CC	CC	SYNONYMOUS_CODING	101495754	tetratricopeptide repeat protein 7A-like
SNP_13157B_31487486	Ca_Kabuli_Chr03	NC_021162.1	31487486	GG	TT	TT	SYNONYMOUS_CODING	101495754	tetratricopeptide repeat protein 7A-like
SNP_13159B_31491462	Ca_Kabuli_Chr03	NC_021162.1	31491462	TT	AA	AA	URR	101495754	tetratricopeptide repeat protein 7A-like
SNP_13160B_31493633	Ca_Kabuli_Chr03	NC_021162.1	31493633	TT	CC	CC	INTERGENIC		
SNP_13161B_31493823	Ca_Kabuli_Chr03	NC_021162.1	31493823	AA	GG	GG	INTERGENIC		
SNP_13162B_31495281	Ca_Kabuli_Chr03	NC_021162.1	31495281	TT	GG	GG	DRR	101497164	rho GDP-dissociation inhibitor 1-like
SNP_13163B_31495288	Ca_Kabuli_Chr03	NC_021162.1	31495288	TT	GG	GG	DRR	101497164	rho GDP-dissociation inhibitor 1-like
SNP_13164B_31496704	Ca_Kabuli_Chr03	NC_021162.1	31496704	CC	TT	TT	INTERGENIC		
SNP_13165B_31498284	Ca_Kabuli_Chr03	NC_021162.1	31498284	GG	AA	AA	INTERGENIC		
SNP_13166B_31499046	Ca_Kabuli_Chr03	NC_021162.1	31499046	CC	TT	TT	DRR	101497495	phospholipid--sterol O-acyltransferase
SNP_13167B_31499550	Ca_Kabuli_Chr03	NC_021162.1	31499550	CC	TT	TT	DRR	101497495	phospholipid--sterol O-acyltransferase
SNP_13168B_31499771	Ca_Kabuli_Chr03	NC_021162.1	31499771	AA	CC	CC	URR	101497164	rho GDP-dissociation inhibitor 1-like
SNP_13169B_31499798	Ca_Kabuli_Chr03	NC_021162.1	31499798	GG	TT	TT	URR	101497164	rho GDP-dissociation inhibitor 1-like
SNP_13171B_31505537	Ca_Kabuli_Chr03	NC_021162.1	31505537	GG	AA	AA	INTRON	101497495	phospholipid--sterol O-acyltransferase
SNP_13172B_31509516	Ca_Kabuli_Chr03	NC_021162.1	31509516	AA	CC	CC	INTRON	101497495	phospholipid--sterol O-acyltransferase
SNP_13173B_31512242	Ca_Kabuli_Chr03	NC_021162.1	31512242	TT	GG	GG	URR	101497495	phospholipid--sterol O-acyltransferase
SNP_13174B_31516766	Ca_Kabuli_Chr03	NC_021162.1	31516766	TT	CC	CC	INTRON	101489712	protein NRT1/ PTR FAMILY 5.2-like
SNP_13175B_31517136	Ca_Kabuli_Chr03	NC_021162.1	31517136	GG	AA	AA	INTRON	101489712	protein NRT1/ PTR FAMILY 5.2-like
SNP_13176B_31517201	Ca_Kabuli_Chr03	NC_021162.1	31517201	AA	GG	GG	INTRON	101489712	protein NRT1/ PTR FAMILY 5.2-like
SNP_13178B_31527751	Ca_Kabuli_Chr03	NC_021162.1	31527751	AA	GG	GG	DRR	101498036	protein NRT1/ PTR FAMILY 5.2-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_13179B_31527846	Ca_Kabuli_Chr03	NC_021162.1	31527846	AA	GG	GG	DRR	101498036	protein NRT1/ PTR FAMILY 5.2-like
SNP_13180B_31530709	Ca_Kabuli_Chr03	NC_021162.1	31530709	GG	AA	AA	INTRON	101498036	protein NRT1/ PTR FAMILY 5.2-like
SNP_13181B_31530724	Ca_Kabuli_Chr03	NC_021162.1	31530724	CC	AA	AA	INTRON	101498036	protein NRT1/ PTR FAMILY 5.2-like
SNP_13182B_31530926	Ca_Kabuli_Chr03	NC_021162.1	31530926	AA	GG	GG	INTRON	101498036	protein NRT1/ PTR FAMILY 5.2-like
SNP_13183B_31533141	Ca_Kabuli_Chr03	NC_021162.1	31533141	AA	GG	GG	URR	101498036	protein NRT1/ PTR FAMILY 5.2-like
SNP_13184B_31535551	Ca_Kabuli_Chr03	NC_021162.1	31535551	GG	TT	TT	DRR	101498370	BRCA1-associated RING domain protein 1
SNP_13185B_31536241	Ca_Kabuli_Chr03	NC_021162.1	31536241	AA	TT	TT	INTRON	101498370	BRCA1-associated RING domain protein 1
SNP_13186B_31542798	Ca_Kabuli_Chr03	NC_021162.1	31542798	CC	AA	AA	DRR	101498711	protein NRT1/ PTR FAMILY 5.2-like
SNP_13187B_31544114	Ca_Kabuli_Chr03	NC_021162.1	31544114	TT	CC	CC	URR	101498370	BRCA1-associated RING domain protein 1
SNP_13188B_31560698	Ca_Kabuli_Chr03	NC_021162.1	31560698	TT	CC	CC	INTERGENIC		
SNP_13189B_31560700	Ca_Kabuli_Chr03	NC_021162.1	31560700	TT	AA	AA	INTERGENIC		
SNP_13190B_31560701	Ca_Kabuli_Chr03	NC_021162.1	31560701	TT	CC	CC	INTERGENIC		
SNP_13192B_31560710	Ca_Kabuli_Chr03	NC_021162.1	31560710	AA	GG	GG	INTERGENIC		
SNP_13193B_31565398	Ca_Kabuli_Chr03	NC_021162.1	31565398	TT	GG	GG	DRR	101499035	protein PHR1-LIKE 1-like
SNP_13194B_31565399	Ca_Kabuli_Chr03	NC_021162.1	31565399	GG	AA	AA	DRR	101499035	protein PHR1-LIKE 1-like
SNP_13195B_31565657	Ca_Kabuli_Chr03	NC_021162.1	31565657	CC	TT	TT	DRR	101499035	protein PHR1-LIKE 1-like
SNP_13196B_31565674	Ca_Kabuli_Chr03	NC_021162.1	31565674	GG	CC	CC	DRR	101499035	protein PHR1-LIKE 1-like
SNP_13197B_31565676	Ca_Kabuli_Chr03	NC_021162.1	31565676	AA	GG	GG	DRR	101499035	protein PHR1-LIKE 1-like
SNP_13198B_31566857	Ca_Kabuli_Chr03	NC_021162.1	31566857	CC	TT	TT	URR	101410558	transfer RNA methionine (anticodon CAU)
SNP_13199B_31569454	Ca_Kabuli_Chr03	NC_021162.1	31569454	CC	TT	TT	INTERGENIC		
SNP_13200B_31574612	Ca_Kabuli_Chr03	NC_021162.1	31574612	AA	GG	GG	URR	101499035	protein PHR1-LIKE 1-like
SNP_13201B_31577975	Ca_Kabuli_Chr03	NC_021162.1	31577975	GG	AA	AA	INTERGENIC		
SNP_13202B_31577984	Ca_Kabuli_Chr03	NC_021162.1	31577984	TT	GG	GG	INTERGENIC		
SNP_13203B_31578008	Ca_Kabuli_Chr03	NC_021162.1	31578008	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_13204B_31578677	Ca_Kabuli_Chr03	NC_021162.1	31578677	CC	AA	AA	INTERGENIC		
SNP_13205B_31585635	Ca_Kabuli_Chr03	NC_021162.1	31585635	CC	TT	TT	URR	101499858	60S ribosomal protein L23
SNP_13206B_31585948	Ca_Kabuli_Chr03	NC_021162.1	31585948	AA	GG	GG	URR	101499858	60S ribosomal protein L23
SNP_13207B_31585951	Ca_Kabuli_Chr03	NC_021162.1	31585951	CC	GG	GG	URR	101499858	60S ribosomal protein L23
SNP_13209B_31591931	Ca_Kabuli_Chr03	NC_021162.1	31591931	AA	GG	GG	NON_SYNONYMOUS_CODING	101500192	histone-lysine N-methyltransferase SUVR2-like
SNP_13210B_31592318	Ca_Kabuli_Chr03	NC_021162.1	31592318	GG	TT	TT	NON_SYNONYMOUS_CODING	101500192	histone-lysine N-methyltransferase SUVR2-like
SNP_13211B_31602167	Ca_Kabuli_Chr03	NC_021162.1	31602167	CC	TT	TT	URR	101490371	serine/threonine-protein phosphatase 7 long form homolog
SNP_13212B_31602194	Ca_Kabuli_Chr03	NC_021162.1	31602194	TT	CC	CC	URR	101490371	serine/threonine-protein phosphatase 7 long form homolog
SNP_13213B_31602668	Ca_Kabuli_Chr03	NC_021162.1	31602668	CC	TT	TT	URR	101490371	serine/threonine-protein phosphatase 7 long form homolog
SNP_13214B_31603099	Ca_Kabuli_Chr03	NC_021162.1	31603099	GG	AA	AA	URR	101490694	Unknown function
SNP_13216B_31604416	Ca_Kabuli_Chr03	NC_021162.1	31604416	CC	TT	TT	INTERGENIC		
SNP_13217B_31604424	Ca_Kabuli_Chr03	NC_021162.1	31604424	TT	AA	AA	INTERGENIC		
SNP_13218B_31605724	Ca_Kabuli_Chr03	NC_021162.1	31605724	AA	GG	GG	DRR	101500934	cysteine-rich repeat secretory protein 56-like
SNP_13219B_31613424	Ca_Kabuli_Chr03	NC_021162.1	31613424	CC	GG	GG	INTERGENIC		
SNP_13220B_31613431	Ca_Kabuli_Chr03	NC_021162.1	31613431	AA	GG	GG	INTERGENIC		
SNP_13221B_31624134	Ca_Kabuli_Chr03	NC_021162.1	31624134	TT	GG	GG	INTRON	101501466	pre-mRNA-processing factor 39
SNP_13222B_31627871	Ca_Kabuli_Chr03	NC_021162.1	31627871	TT	CC	CC	DRR	101501784	putative G3BP-like protein
SNP_13224B_31632006	Ca_Kabuli_Chr03	NC_021162.1	31632006	GG	AA	AA	INTERGENIC		
SNP_13225B_31632307	Ca_Kabuli_Chr03	NC_021162.1	31632307	AA	GG	GG	INTRON	101501784	putative G3BP-like protein
SNP_13226B_31632308	Ca_Kabuli_Chr03	NC_021162.1	31632308	AA	GG	GG	INTRON	101501784	putative G3BP-like protein
SNP_13227B_31632310	Ca_Kabuli_Chr03	NC_021162.1	31632310	GG	TT	TT	INTRON	101501784	putative G3BP-like protein
SNP_13228B_31632311	Ca_Kabuli_Chr03	NC_021162.1	31632311	TT	AA	AA	INTRON	101501784	putative G3BP-like protein
SNP_13229B_31632313	Ca_Kabuli_Chr03	NC_021162.1	31632313	AA	TT	TT	INTRON	101501784	putative G3BP-like protein
SNP_13230B_31633542	Ca_Kabuli_Chr03	NC_021162.1	31633542	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_13231B_31634818	Ca_Kabuli_Chr03	NC_021162.1	31634818	TT	CC	CC	URR	101501784	putative G3BP-like protein
SNP_13232B_31641927	Ca_Kabuli_Chr03	NC_021162.1	31641927	GG	TT	TT	URR	101491012	leucine-rich repeat receptor-like protein kinase PXL2
SNP_13233B_31656226	Ca_Kabuli_Chr03	NC_021162.1	31656226	CC	TT	TT	INTERGENIC		
SNP_13234B_31811588	Ca_Kabuli_Chr03	NC_021162.1	31811588	AA	CC	CC	URR	101492959	uncharacterized LOC101492959
SNP_13236B_31902349	Ca_Kabuli_Chr03	NC_021162.1	31902349	AA	GG	GG	URR	101510350	photosystem I reaction center subunit IV, chloroplastic-like
SNP_13238B_31940187	Ca_Kabuli_Chr03	NC_021162.1	31940187	CC	TT	TT	INTERGENIC		
SNP_13239B_31940438	Ca_Kabuli_Chr03	NC_021162.1	31940438	CC	GG	GG	INTERGENIC		
SNP_13240B_31940484	Ca_Kabuli_Chr03	NC_021162.1	31940484	GG	CC	CC	INTERGENIC		
SNP_13241B_31940682	Ca_Kabuli_Chr03	NC_021162.1	31940682	GG	AA	AA	INTERGENIC		
SNP_13242B_31940714	Ca_Kabuli_Chr03	NC_021162.1	31940714	AA	GG	GG	INTERGENIC		
SNP_13243B_31940744	Ca_Kabuli_Chr03	NC_021162.1	31940744	TT	CC	CC	INTERGENIC		
SNP_13244B_31940766	Ca_Kabuli_Chr03	NC_021162.1	31940766	CC	TT	TT	INTERGENIC		
SNP_13245B_31942794	Ca_Kabuli_Chr03	NC_021162.1	31942794	CC	TT	TT	INTERGENIC		
SNP_13246B_32334940	Ca_Kabuli_Chr03	NC_021162.1	32334940	AA	CC	CC	NON_SYNONYMOUS_CODING	101502214	serine/threonine-protein phosphatase 7 long form homolog
SNP_13247B_32334949	Ca_Kabuli_Chr03	NC_021162.1	32334949	TT	CC	CC	NON_SYNONYMOUS_CODING	101502214	serine/threonine-protein phosphatase 7 long form homolog
SNP_13248B_32334985	Ca_Kabuli_Chr03	NC_021162.1	32334985	TT	GG	GG	NON_SYNONYMOUS_CODING	101502214	serine/threonine-protein phosphatase 7 long form homolog
SNP_13249B_32347697	Ca_Kabuli_Chr03	NC_021162.1	32347697	GG	AA	AA	URR	101502536	uncharacterized LOC101502536
SNP_13251B_32414372	Ca_Kabuli_Chr03	NC_021162.1	32414372	TT	CC	CC	INTERGENIC		
SNP_13252B_32414401	Ca_Kabuli_Chr03	NC_021162.1	32414401	TT	CC	CC	INTERGENIC		
SNP_13253B_32414411	Ca_Kabuli_Chr03	NC_021162.1	32414411	CC	TT	TT	INTERGENIC		
SNP_13254B_32414493	Ca_Kabuli_Chr03	NC_021162.1	32414493	AA	GG	GG	INTERGENIC		
SNP_13255B_32414497	Ca_Kabuli_Chr03	NC_021162.1	32414497	TT	GG	GG	INTERGENIC		
SNP_13256B_32414554	Ca_Kabuli_Chr03	NC_021162.1	32414554	AA	CC	CC	INTERGENIC		
SNP_13257B_32414834	Ca_Kabuli_Chr03	NC_021162.1	32414834	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_13258B_32417324	Ca_Kabuli_Chr03	NC_021162.1	32417324	CC	TT	TT	INTERGENIC		
SNP_13259B_32418659	Ca_Kabuli_Chr03	NC_021162.1	32418659	CC	TT	TT	INTERGENIC		
SNP_13260B_32451219	Ca_Kabuli_Chr03	NC_021162.1	32451219	GG	AA	AA	INTRON	101496842	UNC93-like protein 3
SNP_13261B_32453086	Ca_Kabuli_Chr03	NC_021162.1	32453086	AA	TT	TT	INTERGENIC		
SNP_13262B_32457393	Ca_Kabuli_Chr03	NC_021162.1	32457393	TT	CC	CC	NON_SYNONYMOUS_CODING	id57470	Unknown function
SNP_13263B_32457406	Ca_Kabuli_Chr03	NC_021162.1	32457406	AA	GG	GG	SYNONYMOUS_CODING	id57470	Unknown function
SNP_13264B_32457426	Ca_Kabuli_Chr03	NC_021162.1	32457426	CC	TT	TT	NON_SYNONYMOUS_CODING	id57470	Unknown function
SNP_13265B_32457747	Ca_Kabuli_Chr03	NC_021162.1	32457747	GG	AA	AA	INTRON	id57470	Unknown function
SNP_13266B_32457924	Ca_Kabuli_Chr03	NC_021162.1	32457924	CC	AA	AA	SPLICE_SITE_REGION	id57470	Unknown function
SNP_13267B_32458016	Ca_Kabuli_Chr03	NC_021162.1	32458016	CC	AA	AA	NON_SYNONYMOUS_CODING	id57470	Unknown function
SNP_13268B_32458230	Ca_Kabuli_Chr03	NC_021162.1	32458230	CC	TT	TT	INTRON	id57470	Unknown function
SNP_13269B_32458251	Ca_Kabuli_Chr03	NC_021162.1	32458251	TT	AA	AA	INTRON	id57470	Unknown function
SNP_13271B_32481809	Ca_Kabuli_Chr03	NC_021162.1	32481809	GG	AA	AA	URR	101498149	elongation factor 1-delta 2-like
SNP_13272B_32485805	Ca_Kabuli_Chr03	NC_021162.1	32485805	TT	CC	CC	INTERGENIC		
SNP_13274B_32541648	Ca_Kabuli_Chr03	NC_021162.1	32541648	CC	TT	TT	INTERGENIC		
SNP_13276B_32589963	Ca_Kabuli_Chr03	NC_021162.1	32589963	CC	TT	TT	URR	101410598	transfer RNA arginine (anticodon UCG)
SNP_13278B_32625227	Ca_Kabuli_Chr03	NC_021162.1	32625227	AA	TT	TT	DRR	101503482	uncharacterized LOC101503482
SNP_13280B_32679335	Ca_Kabuli_Chr03	NC_021162.1	32679335	TT	AA	AA	DRR	101506284	dirigent protein 17
SNP_13281B_32770538	Ca_Kabuli_Chr03	NC_021162.1	32770538	GG	AA	AA	INTERGENIC		
SNP_13282B_32781308	Ca_Kabuli_Chr03	NC_021162.1	32781308	AA	CC	CC	DRR	101511746	probable LRR receptor-like serine/threonine-protein kinase At1g67720
SNP_13284B_32824050	Ca_Kabuli_Chr03	NC_021162.1	32824050	CC	TT	TT	URR	101514114	40S ribosomal protein S23-like
SNP_13285B_32832264	Ca_Kabuli_Chr03	NC_021162.1	32832264	GG	AA	AA	URR	101514438	interactor of constitutive active ROPs 2, chloroplastic-like
SNP_13286B_32840886	Ca_Kabuli_Chr03	NC_021162.1	32840886	AA	TT	TT	INTERGENIC		
SNP_13287B_32849933	Ca_Kabuli_Chr03	NC_021162.1	32849933	TT	CC	CC	URR	101515524	protein IQ-DOMAIN 1

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_13288B_32851370	Ca_Kabuli_Chr03	NC_021162.1	32851370	TT	GG	GG	DRR	101488275	probable beta-1,4-xylosyltransferase IRX9
SNP_13290B_32925335	Ca_Kabuli_Chr03	NC_021162.1	32925335	AA	TT	TT	INTERGENIC		
SNP_13291B_32963186	Ca_Kabuli_Chr03	NC_021162.1	32963186	GG	TT	TT	INTRON	101493176	dystrophia myotonica WD repeat-containing protein-like
SNP_13292B_32982680	Ca_Kabuli_Chr03	NC_021162.1	32982680	CC	TT	TT	URR	101493717	probable E3 ubiquitin-protein ligase LOG2
SNP_13294B_33121835	Ca_Kabuli_Chr03	NC_021162.1	33121835	TT	GG	GG	INTERGENIC		
SNP_13295B_33122650	Ca_Kabuli_Chr03	NC_021162.1	33122650	AA	GG	GG	INTERGENIC		
SNP_13296B_33145201	Ca_Kabuli_Chr03	NC_021162.1	33145201	TT	AA	AA	DRR	101498248	uncharacterized LOC101498248
SNP_13297B_33145381	Ca_Kabuli_Chr03	NC_021162.1	33145381	AA	GG	GG	DRR	101498248	uncharacterized LOC101498248
SNP_13298B_33145384	Ca_Kabuli_Chr03	NC_021162.1	33145384	AA	GG	GG	DRR	101498248	uncharacterized LOC101498248
SNP_13299B_33162890	Ca_Kabuli_Chr03	NC_021162.1	33162890	AA	GG	GG	URR	101499349	uncharacterized LOC101499349
SNP_13300B_33192900	Ca_Kabuli_Chr03	NC_021162.1	33192900	GG	AA	AA	INTERGENIC		
SNP_13301B_33228442	Ca_Kabuli_Chr03	NC_021162.1	33228442	GG	AA	AA	DRR	101501354	histidine--tRNA ligase, cytoplasmic
SNP_13302B_33290623	Ca_Kabuli_Chr03	NC_021162.1	33290623	CC	AA	AA	INTERGENIC		
SNP_13303B_33290922	Ca_Kabuli_Chr03	NC_021162.1	33290922	CC	TT	TT	INTERGENIC		
SNP_13304B_33333343	Ca_Kabuli_Chr03	NC_021162.1	33333343	AA	CC	CC	INTERGENIC		
SNP_13305B_33393591	Ca_Kabuli_Chr03	NC_021162.1	33393591	TT	CC	CC	INTERGENIC		
SNP_13306B_33447035	Ca_Kabuli_Chr03	NC_021162.1	33447035	GG	AA	AA	INTERGENIC		
SNP_13307B_33460398	Ca_Kabuli_Chr03	NC_021162.1	33460398	TT	CC	CC	INTERGENIC		
SNP_13308B_33460436	Ca_Kabuli_Chr03	NC_021162.1	33460436	GG	AA	AA	INTERGENIC		
SNP_13309B_33540265	Ca_Kabuli_Chr03	NC_021162.1	33540265	AA	GG	GG	INTERGENIC		
SNP_13310B_33540276	Ca_Kabuli_Chr03	NC_021162.1	33540276	AA	GG	GG	INTERGENIC		
SNP_13311B_33561571	Ca_Kabuli_Chr03	NC_021162.1	33561571	CC	TT	TT	URR	101513893	protein FAR-RED IMPAIRED RESPONSE 1-like
SNP_13312B_33579127	Ca_Kabuli_Chr03	NC_021162.1	33579127	TT	GG	GG	INTRON	101514236	UDP-glycosyltransferase 73C2-like
SNP_13314B_33587349	Ca_Kabuli_Chr03	NC_021162.1	33587349	CC	TT	TT	URR	101514549	G-protein coupled receptor 1-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_13315B_33629825	Ca_Kabuli_Chr03	NC_021162.1	33629825	GG	TT	TT	INTERGENIC		
SNP_13316B_33629856	Ca_Kabuli_Chr03	NC_021162.1	33629856	CC	TT	TT	INTERGENIC		
SNP_13317B_33630022	Ca_Kabuli_Chr03	NC_021162.1	33630022	GG	AA	AA	INTERGENIC		
SNP_13318B_33630398	Ca_Kabuli_Chr03	NC_021162.1	33630398	AA	GG	GG	INTERGENIC		
SNP_13319B_33662368	Ca_Kabuli_Chr03	NC_021162.1	33662368	CC	TT	TT	INTERGENIC		
SNP_13321B_33720681	Ca_Kabuli_Chr03	NC_021162.1	33720681	AA	GG	GG	URR	101488276	germin-like protein subfamily 3 member 2
SNP_13322B_33765733	Ca_Kabuli_Chr03	NC_021162.1	33765733	TT	AA	AA	URR	101490255	uncharacterized LOC101490255
SNP_13323B_33766554	Ca_Kabuli_Chr03	NC_021162.1	33766554	AA	GG	GG	URR	101490255	uncharacterized LOC101490255
SNP_13324B_33778522	Ca_Kabuli_Chr03	NC_021162.1	33778522	GG	AA	AA	INTERGENIC		
SNP_13325B_33792119	Ca_Kabuli_Chr03	NC_021162.1	33792119	TT	AA	AA	INTERGENIC		
SNP_13326B_33794702	Ca_Kabuli_Chr03	NC_021162.1	33794702	AA	GG	GG	DRR	101498151	uncharacterized LOC101498151
SNP_13327B_33794836	Ca_Kabuli_Chr03	NC_021162.1	33794836	AA	CC	CC	DRR	101498151	uncharacterized LOC101498151
SNP_13328B_33794898	Ca_Kabuli_Chr03	NC_021162.1	33794898	AA	CC	CC	DRR	101498151	uncharacterized LOC101498151
SNP_13329B_33794901	Ca_Kabuli_Chr03	NC_021162.1	33794901	TT	CC	CC	DRR	101498151	uncharacterized LOC101498151
SNP_13330B_33795129	Ca_Kabuli_Chr03	NC_021162.1	33795129	AA	CC	CC	DRR	101498151	uncharacterized LOC101498151
SNP_13331B_33795248	Ca_Kabuli_Chr03	NC_021162.1	33795248	AA	GG	GG	DRR	101498151	uncharacterized LOC101498151
SNP_13334B_33914071	Ca_Kabuli_Chr03	NC_021162.1	33914071	TT	GG	GG	URR	101493718	putative pentatricopeptide repeat-containing protein At3g11460
SNP_13337B_34032814	Ca_Kabuli_Chr03	NC_021162.1	34032814	CC	TT	TT	INTERGENIC		
SNP_13338B_34065648	Ca_Kabuli_Chr03	NC_021162.1	34065648	CC	TT	TT	INTERGENIC		
SNP_13339B_34065679	Ca_Kabuli_Chr03	NC_021162.1	34065679	AA	GG	GG	INTERGENIC		
SNP_13340B_34065861	Ca_Kabuli_Chr03	NC_021162.1	34065861	TT	AA	AA	INTERGENIC		
SNP_13341B_34065891	Ca_Kabuli_Chr03	NC_021162.1	34065891	TT	GG	GG	INTERGENIC		
SNP_13342B_34089123	Ca_Kabuli_Chr03	NC_021162.1	34089123	GG	AA	AA	INTERGENIC		
SNP_13343B_34130784	Ca_Kabuli_Chr03	NC_021162.1	34130784	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_13344B_34142796	Ca_Kabuli_Chr03	NC_021162.1	34142796	CC	TT	TT	INTERGENIC		
SNP_13345B_34142981	Ca_Kabuli_Chr03	NC_021162.1	34142981	TT	CC	CC	INTERGENIC		
SNP_13346B_34169411	Ca_Kabuli_Chr03	NC_021162.1	34169411	GG	AA	AA	INTERGENIC		
SNP_13347B_34169430	Ca_Kabuli_Chr03	NC_021162.1	34169430	AA	GG	GG	INTERGENIC		
SNP_13348B_34189501	Ca_Kabuli_Chr03	NC_021162.1	34189501	AA	CC	CC	INTRON	101500726	Unknown function
SNP_13349B_34222000	Ca_Kabuli_Chr03	NC_021162.1	34222000	GG	AA	AA	INTERGENIC		
SNP_13350B_34227429	Ca_Kabuli_Chr03	NC_021162.1	34227429	CC	AA	AA	INTERGENIC		
SNP_13352B_34284596	Ca_Kabuli_Chr03	NC_021162.1	34284596	GG	CC	CC	DRR	101502847	FAD synthase
SNP_13353B_34304115	Ca_Kabuli_Chr03	NC_021162.1	34304115	AA	GG	GG	INTERGENIC		
SNP_13355B_34361314	Ca_Kabuli_Chr03	NC_021162.1	34361314	GG	AA	AA	URR	101505848	uncharacterized LOC101505848
SNP_13356B_34367367	Ca_Kabuli_Chr03	NC_021162.1	34367367	AA	TT	TT	INTERGENIC		
SNP_13359B_34490538	Ca_Kabuli_Chr03	NC_021162.1	34490538	CC	TT	TT	DRR	101510686	Unknown function
SNP_13360B_34538841	Ca_Kabuli_Chr03	NC_021162.1	34538841	TT	AA	AA	INTRON	101509812	protein SHOOT GRAVITROPISM 6-like
SNP_13361B_34538864	Ca_Kabuli_Chr03	NC_021162.1	34538864	CC	TT	TT	INTRON	101509812	protein SHOOT GRAVITROPISM 6-like
SNP_13362B_34538865	Ca_Kabuli_Chr03	NC_021162.1	34538865	AA	CC	CC	INTRON	101509812	protein SHOOT GRAVITROPISM 6-like
SNP_13363B_34538891	Ca_Kabuli_Chr03	NC_021162.1	34538891	CC	TT	TT	INTRON	101509812	protein SHOOT GRAVITROPISM 6-like
SNP_13364B_34578005	Ca_Kabuli_Chr03	NC_021162.1	34578005	CC	TT	TT	URR	101511006	Unknown function
SNP_13366B_34745453	Ca_Kabuli_Chr03	NC_021162.1	34745453	AA	GG	GG	URR	101493178	putative homeobox-leucine zipper protein ATHB-51
SNP_13367B_34748303	Ca_Kabuli_Chr03	NC_021162.1	34748303	AA	TT	TT	INTERGENIC		
SNP_13368B_34788220	Ca_Kabuli_Chr03	NC_021162.1	34788220	GG	TT	TT	INTERGENIC		
SNP_13370B_34820079	Ca_Kabuli_Chr03	NC_021162.1	34820079	TT	AA	AA	INTRON	101496080	glucomannan 4-beta-mannosyltransferase 9-like
SNP_13372B_34881778	Ca_Kabuli_Chr03	NC_021162.1	34881778	TT	CC	CC	DRR	101498919	uncharacterized LOC101498919
SNP_13373B_35004001	Ca_Kabuli_Chr03	NC_021162.1	35004001	CC	GG	GG	INTRON	101512624	ABC transporter G family member 39-like
SNP_13374B_35009318	Ca_Kabuli_Chr03	NC_021162.1	35009318	CC	AA	AA	INTRON	101512624	ABC transporter G family member 39-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_13375B_35009326	Ca_Kabuli_Chr03	NC_021162.1	35009326	TT	CC	CC	INTRON	101512624	ABC transporter G family member 39-like
SNP_13376B_35009340	Ca_Kabuli_Chr03	NC_021162.1	35009340	TT	CC	CC	INTRON	101512624	ABC transporter G family member 39-like
SNP_13378B_35063117	Ca_Kabuli_Chr03	NC_021162.1	35063117	TT	CC	CC	URR	101512931	ABC transporter G family member 39-like
SNP_13379B_35075804	Ca_Kabuli_Chr03	NC_021162.1	35075804	TT	CC	CC	URR	101502217	serine/threonine-protein kinase KIPK-like
SNP_13380B_35153792	Ca_Kabuli_Chr03	NC_021162.1	35153792	CC	TT	TT	INTERGENIC		
SNP_13381B_35177218	Ca_Kabuli_Chr03	NC_021162.1	35177218	AA	GG	GG	INTERGENIC		
SNP_13382B_35203964	Ca_Kabuli_Chr03	NC_021162.1	35203964	CC	TT	TT	INTERGENIC		
SNP_13384B_35301868	Ca_Kabuli_Chr03	NC_021162.1	35301868	AA	TT	TT	URR	101515411	rho GTPase-activating protein 5
SNP_13385B_35399495	Ca_Kabuli_Chr03	NC_021162.1	35399495	GG	AA	AA	INTERGENIC		
SNP_13386B_35423673	Ca_Kabuli_Chr03	NC_021162.1	35423673	CC	GG	GG	DRR	101494041	uncharacterized LOC101494041
SNP_13387B_35497174	Ca_Kabuli_Chr03	NC_021162.1	35497174	TT	AA	AA	INTERGENIC		
SNP_13388B_35514219	Ca_Kabuli_Chr03	NC_021162.1	35514219	GG	AA	AA	INTERGENIC		
SNP_13389B_35652556	Ca_Kabuli_Chr03	NC_021162.1	35652556	AA	GG	GG	INTRON	101515531	uncharacterized LOC101515531
SNP_13390B_35702671	Ca_Kabuli_Chr03	NC_021162.1	35702671	TT	CC	CC	INTERGENIC		
SNP_13391B_35733263	Ca_Kabuli_Chr03	NC_021162.1	35733263	TT	AA	AA	INTERGENIC		
SNP_13395B_35879083	Ca_Kabuli_Chr03	NC_021162.1	35879083	AA	GG	GG	URR	101510235	E3 ubiquitin-protein ligase RHF2A-like
SNP_13397B_35897330	Ca_Kabuli_Chr03	NC_021162.1	35897330	GG	AA	AA	DRR	101511416	cell division cycle 20.2, cofactor of APC complex-like
SNP_13398B_35943462	Ca_Kabuli_Chr03	NC_021162.1	35943462	TT	CC	CC	INTERGENIC		
SNP_13400B_35954174	Ca_Kabuli_Chr03	NC_021162.1	35954174	AA	GG	GG	INTERGENIC		
SNP_13404B_35965476	Ca_Kabuli_Chr03	NC_021162.1	35965476	AA	GG	GG	INTERGENIC		
SNP_13405B_35976903	Ca_Kabuli_Chr03	NC_021162.1	35976903	AA	CC	CC	NON_SYNONYMOUS_CODING	101515089	D-lactate dehydrogenase [cytochrome], mitochondrial
SNP_13406B_35978997	Ca_Kabuli_Chr03	NC_021162.1	35978997	AA	GG	GG	INTERGENIC		
SNP_13407B_35979023	Ca_Kabuli_Chr03	NC_021162.1	35979023	GG	TT	TT	INTERGENIC		
SNP_13408B_35979094	Ca_Kabuli_Chr03	NC_021162.1	35979094	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_13409B_35979121	Ca_Kabuli_Chr03	NC_021162.1	35979121	GG	AA	AA	INTERGENIC		
SNP_13410B_35986669	Ca_Kabuli_Chr03	NC_021162.1	35986669	CC	TT	TT	INTRON	101489285	probable E3 ubiquitin-protein ligase BAH1-like
SNP_13411B_35986828	Ca_Kabuli_Chr03	NC_021162.1	35986828	AA	GG	GG	INTRON	101489285	probable E3 ubiquitin-protein ligase BAH1-like
SNP_13412B_35992742	Ca_Kabuli_Chr03	NC_021162.1	35992742	GG	AA	AA	URR	101515747	uncharacterized LOC101515747
SNP_13413B_35992994	Ca_Kabuli_Chr03	NC_021162.1	35992994	AA	GG	GG	URR	101515747	uncharacterized LOC101515747
SNP_13415B_35994108	Ca_Kabuli_Chr03	NC_021162.1	35994108	AA	GG	GG	DRR	101488510	proton-coupled amino acid transporter 3
SNP_13416B_35997081	Ca_Kabuli_Chr03	NC_021162.1	35997081	GG	CC	CC	INTRON	101488510	proton-coupled amino acid transporter 3
SNP_13418B_36000214	Ca_Kabuli_Chr03	NC_021162.1	36000214	GG	AA	AA	DRR	101489280	probable glutamate carboxypeptidase 2
SNP_13419B_36002796	Ca_Kabuli_Chr03	NC_021162.1	36002796	TT	CC	CC	INTERGENIC		
SNP_13420B_36002931	Ca_Kabuli_Chr03	NC_021162.1	36002931	TT	CC	CC	INTERGENIC		
SNP_13421B_36006552	Ca_Kabuli_Chr03	NC_021162.1	36006552	CC	AA	AA	INTERGENIC		
SNP_13422B_36013668	Ca_Kabuli_Chr03	NC_021162.1	36013668	AA	TT	TT	DRR	101489602	MATH domain and coiled-coil domain-containing protein At3g58370-like
SNP_13423B_36013673	Ca_Kabuli_Chr03	NC_021162.1	36013673	AA	TT	TT	DRR	101489602	MATH domain and coiled-coil domain-containing protein At3g58370-like
SNP_13424B_36013713	Ca_Kabuli_Chr03	NC_021162.1	36013713	AA	GG	GG	DRR	101489602	MATH domain and coiled-coil domain-containing protein At3g58370-like
SNP_13425B_36013716	Ca_Kabuli_Chr03	NC_021162.1	36013716	AA	GG	GG	DRR	101489602	MATH domain and coiled-coil domain-containing protein At3g58370-like
SNP_13426B_36013746	Ca_Kabuli_Chr03	NC_021162.1	36013746	TT	AA	AA	DRR	101489602	MATH domain and coiled-coil domain-containing protein At3g58370-like
SNP_13427B_36013761	Ca_Kabuli_Chr03	NC_021162.1	36013761	AA	GG	GG	DRR	101489602	MATH domain and coiled-coil domain-containing protein At3g58370-like
SNP_13428B_36015701	Ca_Kabuli_Chr03	NC_021162.1	36015701	AA	GG	GG	INTERGENIC		
SNP_13429B_36015712	Ca_Kabuli_Chr03	NC_021162.1	36015712	TT	GG	GG	INTERGENIC		
SNP_13430B_36017310	Ca_Kabuli_Chr03	NC_021162.1	36017310	GG	AA	AA	URR	101489602	MATH domain and coiled-coil domain-containing protein At3g58370-like
SNP_13431B_36018140	Ca_Kabuli_Chr03	NC_021162.1	36018140	GG	CC	CC	URR	101489602	MATH domain and coiled-coil domain-containing protein At3g58370-like
SNP_13433B_36021723	Ca_Kabuli_Chr03	NC_021162.1	36021723	TT	CC	CC	DRR	101490581	MATH domain and coiled-coil domain-containing protein At3g58360-like
SNP_13434B_36021789	Ca_Kabuli_Chr03	NC_021162.1	36021789	GG	AA	AA	DRR	101490581	MATH domain and coiled-coil domain-containing protein At3g58360-like
SNP_13435B_36021999	Ca_Kabuli_Chr03	NC_021162.1	36021999	AA	GG	GG	DRR	101490581	MATH domain and coiled-coil domain-containing protein At3g58360-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_13436B_36022004	Ca_Kabuli_Chr03	NC_021162.1	36022004	GG	AA	AA	DRR	101490581	MATH domain and coiled-coil domain-containing protein At3g58360-like
SNP_13437B_36022015	Ca_Kabuli_Chr03	NC_021162.1	36022015	TT	GG	GG	DRR	101490581	MATH domain and coiled-coil domain-containing protein At3g58360-like
SNP_13438B_36022022	Ca_Kabuli_Chr03	NC_021162.1	36022022	AA	GG	GG	DRR	101490581	MATH domain and coiled-coil domain-containing protein At3g58360-like
SNP_13439B_36022029	Ca_Kabuli_Chr03	NC_021162.1	36022029	CC	TT	TT	DRR	101490581	MATH domain and coiled-coil domain-containing protein At3g58360-like
SNP_13440B_36022030	Ca_Kabuli_Chr03	NC_021162.1	36022030	TT	CC	CC	DRR	101490581	MATH domain and coiled-coil domain-containing protein At3g58360-like
SNP_13444B_36025756	Ca_Kabuli_Chr03	NC_021162.1	36025756	GG	AA	AA	URR	101490581	MATH domain and coiled-coil domain-containing protein At3g58360-like
SNP_13445B_36025769	Ca_Kabuli_Chr03	NC_021162.1	36025769	AA	GG	GG	URR	101490581	MATH domain and coiled-coil domain-containing protein At3g58360-like
SNP_13446B_36025902	Ca_Kabuli_Chr03	NC_021162.1	36025902	GG	AA	AA	URR	101490581	MATH domain and coiled-coil domain-containing protein At3g58360-like
SNP_13447B_36027150	Ca_Kabuli_Chr03	NC_021162.1	36027150	CC	GG	GG	INTERGENIC		
SNP_13448B_36031967	Ca_Kabuli_Chr03	NC_021162.1	36031967	GG	AA	AA	INTERGENIC		
SNP_13450B_36033176	Ca_Kabuli_Chr03	NC_021162.1	36033176	CC	TT	TT	DRR	101489924	uncharacterized protein At3g58460
SNP_13455B_36041210	Ca_Kabuli_Chr03	NC_021162.1	36041210	TT	CC	CC	URR	101489924	uncharacterized protein At3g58460
SNP_13456B_36041235	Ca_Kabuli_Chr03	NC_021162.1	36041235	TT	AA	AA	URR	101489924	uncharacterized protein At3g58460
SNP_13457B_36041475	Ca_Kabuli_Chr03	NC_021162.1	36041475	TT	CC	CC	URR	101489924	uncharacterized protein At3g58460
SNP_13458B_36041503	Ca_Kabuli_Chr03	NC_021162.1	36041503	AA	GG	GG	URR	101489924	uncharacterized protein At3g58460
SNP_13459B_36041549	Ca_Kabuli_Chr03	NC_021162.1	36041549	TT	CC	CC	URR	101489924	uncharacterized protein At3g58460
SNP_13461B_36042611	Ca_Kabuli_Chr03	NC_021162.1	36042611	AA	GG	GG	URR	101489924	uncharacterized protein At3g58460
SNP_13462B_36042613	Ca_Kabuli_Chr03	NC_021162.1	36042613	GG	CC	CC	URR	101489924	uncharacterized protein At3g58460
SNP_13463B_36042931	Ca_Kabuli_Chr03	NC_021162.1	36042931	AA	GG	GG	URR	101489924	uncharacterized protein At3g58460
SNP_13464B_36042945	Ca_Kabuli_Chr03	NC_021162.1	36042945	CC	TT	TT	URR	101489924	uncharacterized protein At3g58460
SNP_13465B_36043058	Ca_Kabuli_Chr03	NC_021162.1	36043058	CC	GG	GG	INTERGENIC		
SNP_13466B_36043369	Ca_Kabuli_Chr03	NC_021162.1	36043369	TT	AA	AA	INTERGENIC		
SNP_13467B_36043667	Ca_Kabuli_Chr03	NC_021162.1	36043667	GG	AA	AA	INTERGENIC		
SNP_13468B_36043716	Ca_Kabuli_Chr03	NC_021162.1	36043716	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_13469B_36043756	Ca_Kabuli_Chr03	NC_021162.1	36043756	TT	CC	CC	INTERGENIC		
SNP_13470B_36043938	Ca_Kabuli_Chr03	NC_021162.1	36043938	TT	CC	CC	INTERGENIC		
SNP_13471B_36044031	Ca_Kabuli_Chr03	NC_021162.1	36044031	AA	GG	GG	INTERGENIC		
SNP_13472B_36044063	Ca_Kabuli_Chr03	NC_021162.1	36044063	GG	AA	AA	INTERGENIC		
SNP_13473B_36044235	Ca_Kabuli_Chr03	NC_021162.1	36044235	GG	AA	AA	INTERGENIC		
SNP_13474B_36044244	Ca_Kabuli_Chr03	NC_021162.1	36044244	AA	GG	GG	INTERGENIC		
SNP_13475B_36046495	Ca_Kabuli_Chr03	NC_021162.1	36046495	AA	TT	TT	INTRON	101490257	calcium homeostasis endoplasmic reticulum protein
SNP_13476B_36048188	Ca_Kabuli_Chr03	NC_021162.1	36048188	AA	GG	GG	INTRON	101490257	calcium homeostasis endoplasmic reticulum protein
SNP_13477B_36048363	Ca_Kabuli_Chr03	NC_021162.1	36048363	CC	GG	GG	INTRON	101490257	calcium homeostasis endoplasmic reticulum protein
SNP_13478B_36050860	Ca_Kabuli_Chr03	NC_021162.1	36050860	CC	TT	TT	URR	101490257	calcium homeostasis endoplasmic reticulum protein
SNP_13479B_36052606	Ca_Kabuli_Chr03	NC_021162.1	36052606	CC	TT	TT	URR	101490257	calcium homeostasis endoplasmic reticulum protein
SNP_13481B_36052900	Ca_Kabuli_Chr03	NC_021162.1	36052900	GG	AA	AA	INTERGENIC		
SNP_13482B_36053825	Ca_Kabuli_Chr03	NC_021162.1	36053825	CC	GG	GG	INTERGENIC		
SNP_13483B_36067151	Ca_Kabuli_Chr03	NC_021162.1	36067151	AA	GG	GG	INTRON	101490576	pre-mRNA-splicing factor prp12
SNP_13484B_36075285	Ca_Kabuli_Chr03	NC_021162.1	36075285	AA	GG	GG	INTERGENIC		
SNP_13485B_36075781	Ca_Kabuli_Chr03	NC_021162.1	36075781	GG	AA	AA	URR	101491327	hemK methyltransferase family member 1
SNP_13486B_36075785	Ca_Kabuli_Chr03	NC_021162.1	36075785	CC	TT	TT	URR	101491327	hemK methyltransferase family member 1
SNP_13487B_36076102	Ca_Kabuli_Chr03	NC_021162.1	36076102	TT	CC	CC	URR	101491327	hemK methyltransferase family member 1
SNP_13488B_36076367	Ca_Kabuli_Chr03	NC_021162.1	36076367	CC	AA	AA	URR	101491327	hemK methyltransferase family member 1
SNP_13489B_36076475	Ca_Kabuli_Chr03	NC_021162.1	36076475	TT	GG	GG	URR	101491327	hemK methyltransferase family member 1
SNP_13491B_36088981	Ca_Kabuli_Chr03	NC_021162.1	36088981	CC	TT	TT	URR	101491960	lipid phosphate phosphatase delta
SNP_13492B_36088982	Ca_Kabuli_Chr03	NC_021162.1	36088982	CC	TT	TT	URR	101491960	lipid phosphate phosphatase delta
SNP_13493B_36090228	Ca_Kabuli_Chr03	NC_021162.1	36090228	TT	CC	CC	INTERGENIC		
SNP_13494B_36091865	Ca_Kabuli_Chr03	NC_021162.1	36091865	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_13495B_36092747	Ca_Kabuli_Chr03	NC_021162.1	36092747	AA	TT	TT	INTERGENIC		
SNP_13496B_36093038	Ca_Kabuli_Chr03	NC_021162.1	36093038	CC	TT	TT	INTERGENIC		
SNP_13497B_36093043	Ca_Kabuli_Chr03	NC_021162.1	36093043	GG	TT	TT	INTERGENIC		
SNP_13498B_36093052	Ca_Kabuli_Chr03	NC_021162.1	36093052	TT	CC	CC	INTERGENIC		
SNP_13499B_36093345	Ca_Kabuli_Chr03	NC_021162.1	36093345	AA	CC	CC	INTERGENIC		
SNP_13500B_36093369	Ca_Kabuli_Chr03	NC_021162.1	36093369	AA	TT	TT	INTERGENIC		
SNP_13501B_36094207	Ca_Kabuli_Chr03	NC_021162.1	36094207	TT	CC	CC	INTERGENIC		
SNP_13502B_36094647	Ca_Kabuli_Chr03	NC_021162.1	36094647	TT	CC	CC	INTERGENIC		
SNP_13503B_36095292	Ca_Kabuli_Chr03	NC_021162.1	36095292	GG	AA	AA	INTERGENIC		
SNP_13505B_36101081	Ca_Kabuli_Chr03	NC_021162.1	36101081	AA	CC	CC	INTRON	101492293	carbon catabolite repressor protein 4 homolog 2-like
SNP_13506B_36102322	Ca_Kabuli_Chr03	NC_021162.1	36102322	CC	GG	GG	INTRON	101492293	carbon catabolite repressor protein 4 homolog 2-like
SNP_13507B_36102492	Ca_Kabuli_Chr03	NC_021162.1	36102492	AA	TT	TT	INTRON	101492293	carbon catabolite repressor protein 4 homolog 2-like
SNP_13509B_36105384	Ca_Kabuli_Chr03	NC_021162.1	36105384	TT	AA	AA	INTERGENIC		
SNP_13510B_36105390	Ca_Kabuli_Chr03	NC_021162.1	36105390	GG	TT	TT	INTERGENIC		
SNP_13512B_36106826	Ca_Kabuli_Chr03	NC_021162.1	36106826	TT	CC	CC	URR	101492293	carbon catabolite repressor protein 4 homolog 2-like
SNP_13513B_36106831	Ca_Kabuli_Chr03	NC_021162.1	36106831	TT	CC	CC	URR	101492293	carbon catabolite repressor protein 4 homolog 2-like
SNP_13514B_36112008	Ca_Kabuli_Chr03	NC_021162.1	36112008	TT	CC	CC	URR	101492631	60S ribosomal protein L21-1-like
SNP_13515B_36116405	Ca_Kabuli_Chr03	NC_021162.1	36116405	AA	CC	CC	URR	101492961	Unknown function
SNP_13517B_36116864	Ca_Kabuli_Chr03	NC_021162.1	36116864	AA	CC	CC	INTRON	101493297	sister-chromatid cohesion protein 3
SNP_13518B_36117130	Ca_Kabuli_Chr03	NC_021162.1	36117130	AA	GG	GG	INTRON	101493297	sister-chromatid cohesion protein 3
SNP_13520B_36122498	Ca_Kabuli_Chr03	NC_021162.1	36122498	AA	CC	CC	INTRON	101493297	sister-chromatid cohesion protein 3
SNP_13521B_36123581	Ca_Kabuli_Chr03	NC_021162.1	36123581	GG	AA	AA	INTRON	101493297	sister-chromatid cohesion protein 3
SNP_13522B_36123600	Ca_Kabuli_Chr03	NC_021162.1	36123600	CC	TT	TT	INTRON	101493297	sister-chromatid cohesion protein 3
SNP_13523B_36123626	Ca_Kabuli_Chr03	NC_021162.1	36123626	GG	AA	AA	INTRON	101493297	sister-chromatid cohesion protein 3

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_13524B_36127559	Ca_Kabuli_Chr03	NC_021162.1	36127559	CC	TT	TT	INTERGENIC		
SNP_13525B_36128521	Ca_Kabuli_Chr03	NC_021162.1	36128521	CC	TT	TT	URR	101493297	sister-chromatid cohesion protein 3
SNP_13527B_36129555	Ca_Kabuli_Chr03	NC_021162.1	36129555	TT	CC	CC	DRR	101493618	NPL4-like protein 1
SNP_13528B_36132052	Ca_Kabuli_Chr03	NC_021162.1	36132052	CC	TT	TT	INTERGENIC		
SNP_13529B_36132071	Ca_Kabuli_Chr03	NC_021162.1	36132071	AA	GG	GG	INTERGENIC		
SNP_13530B_36133521	Ca_Kabuli_Chr03	NC_021162.1	36133521	GG	AA	AA	INTERGENIC		
SNP_13531B_36134932	Ca_Kabuli_Chr03	NC_021162.1	36134932	TT	GG	GG	URR	101493618	NPL4-like protein 1
SNP_13532B_36135118	Ca_Kabuli_Chr03	NC_021162.1	36135118	CC	GG	GG	DRR	101493935	peroxidase 3-like
SNP_13533B_36135143	Ca_Kabuli_Chr03	NC_021162.1	36135143	CC	AA	AA	DRR	101493935	peroxidase 3-like
SNP_13534B_36135383	Ca_Kabuli_Chr03	NC_021162.1	36135383	CC	AA	AA	DRR	101493935	peroxidase 3-like
SNP_13535B_36135407	Ca_Kabuli_Chr03	NC_021162.1	36135407	TT	GG	GG	DRR	101493935	peroxidase 3-like
SNP_13536B_36135702	Ca_Kabuli_Chr03	NC_021162.1	36135702	CC	GG	GG	DRR	101493935	peroxidase 3-like
SNP_13537B_36138077	Ca_Kabuli_Chr03	NC_021162.1	36138077	GG	AA	AA	URR	101493935	peroxidase 3-like
SNP_13538B_36138544	Ca_Kabuli_Chr03	NC_021162.1	36138544	TT	GG	GG	URR	101493935	peroxidase 3-like
SNP_13539B_36139543	Ca_Kabuli_Chr03	NC_021162.1	36139543	AA	GG	GG	URR	101493935	peroxidase 3-like
SNP_13540B_36139552	Ca_Kabuli_Chr03	NC_021162.1	36139552	TT	AA	AA	URR	101493935	peroxidase 3-like
SNP_13543B_36145259	Ca_Kabuli_Chr03	NC_021162.1	36145259	AA	GG	GG	INTERGENIC		
SNP_13544B_36145459	Ca_Kabuli_Chr03	NC_021162.1	36145459	AA	GG	GG	INTERGENIC		
SNP_13545B_36146862	Ca_Kabuli_Chr03	NC_021162.1	36146862	AA	CC	CC	DRR	101494570	uncharacterized LOC101494570
SNP_13546B_36146873	Ca_Kabuli_Chr03	NC_021162.1	36146873	TT	CC	CC	DRR	101494570	uncharacterized LOC101494570
SNP_13547B_36150280	Ca_Kabuli_Chr03	NC_021162.1	36150280	TT	GG	GG	INTERGENIC		
SNP_13548B_36153261	Ca_Kabuli_Chr03	NC_021162.1	36153261	TT	CC	CC	DRR	101494886	RNA-binding protein BRN1
SNP_13549B_36156498	Ca_Kabuli_Chr03	NC_021162.1	36156498	TT	CC	CC	INTRON	101494886	RNA-binding protein BRN1
SNP_13550B_36157004	Ca_Kabuli_Chr03	NC_021162.1	36157004	GG	AA	AA	INTRON	101494886	RNA-binding protein BRN1

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_13552B_36166886	Ca_Kabuli_Chr03	NC_021162.1	36166886	GG	AA	AA	URR	101495426	U1 small nuclear ribonucleoprotein C
SNP_13553B_36184620	Ca_Kabuli_Chr03	NC_021162.1	36184620	CC	AA	AA	URR	101496943	probable indole-3-pyruvate monooxygenase YUCCA10
SNP_13554B_36184674	Ca_Kabuli_Chr03	NC_021162.1	36184674	GG	TT	TT	URR	101496943	probable indole-3-pyruvate monooxygenase YUCCA10
SNP_13555B_36187504	Ca_Kabuli_Chr03	NC_021162.1	36187504	GG	AA	AA	INTERGENIC		
SNP_13557B_36194086	Ca_Kabuli_Chr03	NC_021162.1	36194086	CC	GG	GG	INTERGENIC		
SNP_13558B_36194563	Ca_Kabuli_Chr03	NC_021162.1	36194563	GG	AA	AA	URR	101497273	probable indole-3-pyruvate monooxygenase YUCCA10
SNP_13560B_36197078	Ca_Kabuli_Chr03	NC_021162.1	36197078	AA	CC	CC	INTERGENIC		
SNP_13561B_36197096	Ca_Kabuli_Chr03	NC_021162.1	36197096	GG	AA	AA	INTERGENIC		
SNP_13562B_36198271	Ca_Kabuli_Chr03	NC_021162.1	36198271	AA	TT	TT	INTERGENIC		
SNP_13563B_36198275	Ca_Kabuli_Chr03	NC_021162.1	36198275	AA	CC	CC	INTERGENIC		
SNP_13566B_36205508	Ca_Kabuli_Chr03	NC_021162.1	36205508	TT	AA	AA	DRR	101498479	DNA ligase 1
SNP_13567B_36205943	Ca_Kabuli_Chr03	NC_021162.1	36205943	AA	GG	GG	INTERGENIC		
SNP_13568B_36205957	Ca_Kabuli_Chr03	NC_021162.1	36205957	TT	GG	GG	INTERGENIC		
SNP_13570B_36207178	Ca_Kabuli_Chr03	NC_021162.1	36207178	AA	TT	TT	INTRON	101498479	DNA ligase 1
SNP_13572B_36212100	Ca_Kabuli_Chr03	NC_021162.1	36212100	AA	TT	TT	INTERGENIC		
SNP_13573B_36212363	Ca_Kabuli_Chr03	NC_021162.1	36212363	GG	TT	TT	INTERGENIC		
SNP_13574B_36212843	Ca_Kabuli_Chr03	NC_021162.1	36212843	TT	AA	AA	INTERGENIC		
SNP_13575B_36213601	Ca_Kabuli_Chr03	NC_021162.1	36213601	AA	GG	GG	INTERGENIC		
SNP_13576B_36213606	Ca_Kabuli_Chr03	NC_021162.1	36213606	AA	CC	CC	INTERGENIC		
SNP_13577B_36213809	Ca_Kabuli_Chr03	NC_021162.1	36213809	CC	TT	TT	URR	101498827	CASP-like protein 1E1
SNP_13580B_36217105	Ca_Kabuli_Chr03	NC_021162.1	36217105	TT	CC	CC	INTERGENIC		
SNP_13581B_36219157	Ca_Kabuli_Chr03	NC_021162.1	36219157	GG	TT	TT	INTERGENIC		
SNP_13582B_36219354	Ca_Kabuli_Chr03	NC_021162.1	36219354	AA	GG	GG	INTERGENIC		
SNP_13583B_36219618	Ca_Kabuli_Chr03	NC_021162.1	36219618	AA	GG	GG	URR	101499146	zinc finger protein CONSTANS-LIKE 13

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_13584B_36220762	Ca_Kabuli_Chr03	NC_021162.1	36220762	AA	CC	CC	DRR	101500194	membrane-anchored ubiquitin-fold protein 3-like
SNP_13585B_36222052	Ca_Kabuli_Chr03	NC_021162.1	36222052	AA	CC	CC	INTRON	101500194	membrane-anchored ubiquitin-fold protein 3-like
SNP_13586B_36222115	Ca_Kabuli_Chr03	NC_021162.1	36222115	TT	CC	CC	INTRON	101500194	membrane-anchored ubiquitin-fold protein 3-like
SNP_13587B_36222117	Ca_Kabuli_Chr03	NC_021162.1	36222117	AA	GG	GG	INTRON	101500194	membrane-anchored ubiquitin-fold protein 3-like
SNP_13588B_36222139	Ca_Kabuli_Chr03	NC_021162.1	36222139	TT	CC	CC	INTRON	101500194	membrane-anchored ubiquitin-fold protein 3-like
SNP_13589B_36222143	Ca_Kabuli_Chr03	NC_021162.1	36222143	TT	GG	GG	INTRON	101500194	membrane-anchored ubiquitin-fold protein 3-like
SNP_13590B_36222286	Ca_Kabuli_Chr03	NC_021162.1	36222286	GG	TT	TT	INTRON	101500194	membrane-anchored ubiquitin-fold protein 3-like
SNP_13592B_36225173	Ca_Kabuli_Chr03	NC_021162.1	36225173	AA	GG	GG	INTERGENIC		
SNP_13593B_36229031	Ca_Kabuli_Chr03	NC_021162.1	36229031	GG	AA	AA	INTERGENIC		
SNP_13594B_36234192	Ca_Kabuli_Chr03	NC_021162.1	36234192	CC	TT	TT	INTERGENIC		
SNP_13595B_36236945	Ca_Kabuli_Chr03	NC_021162.1	36236945	TT	CC	CC	INTERGENIC		
SNP_13596B_36240348	Ca_Kabuli_Chr03	NC_021162.1	36240348	AA	GG	GG	INTERGENIC		
SNP_13597B_36240379	Ca_Kabuli_Chr03	NC_021162.1	36240379	AA	GG	GG	INTERGENIC		
SNP_13598B_36240392	Ca_Kabuli_Chr03	NC_021162.1	36240392	GG	AA	AA	INTERGENIC		
SNP_13600B_36240530	Ca_Kabuli_Chr03	NC_021162.1	36240530	TT	CC	CC	INTERGENIC		
SNP_13601B_36240531	Ca_Kabuli_Chr03	NC_021162.1	36240531	TT	CC	CC	INTERGENIC		
SNP_13602B_36240532	Ca_Kabuli_Chr03	NC_021162.1	36240532	GG	AA	AA	INTERGENIC		
SNP_13603B_36240533	Ca_Kabuli_Chr03	NC_021162.1	36240533	AA	GG	GG	INTERGENIC		
SNP_13604B_36240668	Ca_Kabuli_Chr03	NC_021162.1	36240668	GG	AA	AA	INTERGENIC		
SNP_13605B_36240707	Ca_Kabuli_Chr03	NC_021162.1	36240707	TT	CC	CC	INTERGENIC		
SNP_13606B_36240728	Ca_Kabuli_Chr03	NC_021162.1	36240728	TT	AA	AA	INTERGENIC		
SNP_13607B_36241663	Ca_Kabuli_Chr03	NC_021162.1	36241663	GG	TT	TT	DRR	101501158	OTU domain-containing protein 6B
SNP_13610B_36243218	Ca_Kabuli_Chr03	NC_021162.1	36243218	TT	AA	AA	INTRON	101501158	OTU domain-containing protein 6B
SNP_13611B_36246359	Ca_Kabuli_Chr03	NC_021162.1	36246359	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_13612B_36249150	Ca_Kabuli_Chr03	NC_021162.1	36249150	TT	AA	AA	URR	101501469	monothiol glutaredoxin-S6
SNP_13613B_36249318	Ca_Kabuli_Chr03	NC_021162.1	36249318	CC	TT	TT	URR	101501469	monothiol glutaredoxin-S6
SNP_13614B_36249414	Ca_Kabuli_Chr03	NC_021162.1	36249414	CC	TT	TT	URR	101501469	monothiol glutaredoxin-S6
SNP_13615B_36249533	Ca_Kabuli_Chr03	NC_021162.1	36249533	AA	TT	TT	URR	101501469	monothiol glutaredoxin-S6
SNP_13616B_36249549	Ca_Kabuli_Chr03	NC_021162.1	36249549	TT	AA	AA	URR	101501469	monothiol glutaredoxin-S6
SNP_13617B_36249595	Ca_Kabuli_Chr03	NC_021162.1	36249595	CC	TT	TT	URR	101501469	monothiol glutaredoxin-S6
SNP_13618B_36255662	Ca_Kabuli_Chr03	NC_021162.1	36255662	TT	CC	CC	DRR	101502110	uncharacterized LOC101502110
SNP_13620B_36256081	Ca_Kabuli_Chr03	NC_021162.1	36256081	CC	TT	TT	INTERGENIC		
SNP_13622B_36268954	Ca_Kabuli_Chr03	NC_021162.1	36268954	AA	TT	TT	INTRON	101503168	peptide chain release factor APG3, chloroplastic
SNP_13623B_36269405	Ca_Kabuli_Chr03	NC_021162.1	36269405	TT	GG	GG	INTRON	101503168	peptide chain release factor APG3, chloroplastic
SNP_13624B_36271709	Ca_Kabuli_Chr03	NC_021162.1	36271709	GG	TT	TT	INTRON	101503168	peptide chain release factor APG3, chloroplastic
SNP_13625B_36271711	Ca_Kabuli_Chr03	NC_021162.1	36271711	GG	TT	TT	INTRON	101503168	peptide chain release factor APG3, chloroplastic
SNP_13626B_36274572	Ca_Kabuli_Chr03	NC_021162.1	36274572	AA	GG	GG	DRR	101503487	spermatogenesis-associated protein 20
SNP_13627B_36274580	Ca_Kabuli_Chr03	NC_021162.1	36274580	AA	TT	TT	DRR	101503487	spermatogenesis-associated protein 20
SNP_13628B_36286165	Ca_Kabuli_Chr03	NC_021162.1	36286165	AA	GG	GG	INTERGENIC		
SNP_13629B_36286358	Ca_Kabuli_Chr03	NC_021162.1	36286358	GG	AA	AA	INTERGENIC		
SNP_13630B_36286372	Ca_Kabuli_Chr03	NC_021162.1	36286372	CC	TT	TT	INTERGENIC		
SNP_13631B_36287403	Ca_Kabuli_Chr03	NC_021162.1	36287403	GG	AA	AA	INTERGENIC		
SNP_13632B_36287437	Ca_Kabuli_Chr03	NC_021162.1	36287437	GG	AA	AA	INTERGENIC		
SNP_13634B_36290619	Ca_Kabuli_Chr03	NC_021162.1	36290619	TT	AA	AA	INTERGENIC		
SNP_13635B_36290621	Ca_Kabuli_Chr03	NC_021162.1	36290621	TT	AA	AA	INTERGENIC		
SNP_13636B_36290696	Ca_Kabuli_Chr03	NC_021162.1	36290696	CC	TT	TT	DRR	101503823	uncharacterized LOC101503823
SNP_13637B_36290882	Ca_Kabuli_Chr03	NC_021162.1	36290882	TT	CC	CC	DRR	101503823	uncharacterized LOC101503823
SNP_13638B_36290887	Ca_Kabuli_Chr03	NC_021162.1	36290887	GG	CC	CC	DRR	101503823	uncharacterized LOC101503823

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_13639B_36290927	Ca_Kabuli_Chr03	NC_021162.1	36290927	TT	AA	AA	DRR	101503823	uncharacterized LOC101503823
SNP_13640B_36290928	Ca_Kabuli_Chr03	NC_021162.1	36290928	CC	TT	TT	DRR	101503823	uncharacterized LOC101503823
SNP_13641B_36291201	Ca_Kabuli_Chr03	NC_021162.1	36291201	TT	CC	CC	DRR	101503823	uncharacterized LOC101503823
SNP_13642B_36303055	Ca_Kabuli_Chr03	NC_021162.1	36303055	CC	TT	TT	URR	101503823	uncharacterized LOC101503823
SNP_13643B_36313050	Ca_Kabuli_Chr03	NC_021162.1	36313050	GG	CC	CC	INTERGENIC		
SNP_13644B_36321537	Ca_Kabuli_Chr03	NC_021162.1	36321537	CC	AA	AA	INTRON	101505100	cullin-1
SNP_13645B_36321551	Ca_Kabuli_Chr03	NC_021162.1	36321551	CC	TT	TT	INTRON	101505100	cullin-1
SNP_13647B_36324833	Ca_Kabuli_Chr03	NC_021162.1	36324833	CC	TT	TT	URR	101505100	cullin-1
SNP_13648B_36326762	Ca_Kabuli_Chr03	NC_021162.1	36326762	TT	CC	CC	INTERGENIC		
SNP_13649B_36326788	Ca_Kabuli_Chr03	NC_021162.1	36326788	AA	GG	GG	INTERGENIC		
SNP_13651B_36332125	Ca_Kabuli_Chr03	NC_021162.1	36332125	CC	TT	TT	SYNONYMOUS_CODING	101505423	homeobox protein LUMINIDEPENDENS
SNP_13654B_36341458	Ca_Kabuli_Chr03	NC_021162.1	36341458	TT	AA	AA	INTERGENIC		
SNP_13655B_36342397	Ca_Kabuli_Chr03	NC_021162.1	36342397	TT	CC	CC	INTERGENIC		
SNP_13657B_36342587	Ca_Kabuli_Chr03	NC_021162.1	36342587	TT	GG	GG	INTERGENIC		
SNP_13658B_36343337	Ca_Kabuli_Chr03	NC_021162.1	36343337	TT	AA	AA	INTERGENIC		
SNP_13659B_36343579	Ca_Kabuli_Chr03	NC_021162.1	36343579	CC	TT	TT	DRR	101505978	protein indeterminate-domain 2-like
SNP_13660B_36343888	Ca_Kabuli_Chr03	NC_021162.1	36343888	GG	AA	AA	DRR	101505978	protein indeterminate-domain 2-like
SNP_13661B_36345983	Ca_Kabuli_Chr03	NC_021162.1	36345983	CC	TT	TT	INTRON	101505978	protein indeterminate-domain 2-like
SNP_13662B_36345985	Ca_Kabuli_Chr03	NC_021162.1	36345985	CC	TT	TT	INTRON	101505978	protein indeterminate-domain 2-like
SNP_13663B_36347925	Ca_Kabuli_Chr03	NC_021162.1	36347925	CC	TT	TT	URR	101505978	protein indeterminate-domain 2-like
SNP_13664B_36348085	Ca_Kabuli_Chr03	NC_021162.1	36348085	TT	CC	CC	URR	101505978	protein indeterminate-domain 2-like
SNP_13665B_36348089	Ca_Kabuli_Chr03	NC_021162.1	36348089	GG	AA	AA	URR	101505978	protein indeterminate-domain 2-like
SNP_13666B_36348092	Ca_Kabuli_Chr03	NC_021162.1	36348092	CC	TT	TT	URR	101505978	protein indeterminate-domain 2-like
SNP_13667B_36348093	Ca_Kabuli_Chr03	NC_021162.1	36348093	AA	GG	GG	URR	101505978	protein indeterminate-domain 2-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_13668B_36349045	Ca_Kabuli_Chr03	NC_021162.1	36349045	TT	CC	CC	URR	101505978	protein indeterminate-domain 2-like
SNP_13669B_36349087	Ca_Kabuli_Chr03	NC_021162.1	36349087	AA	TT	TT	URR	101505978	protein indeterminate-domain 2-like
SNP_13670B_36349173	Ca_Kabuli_Chr03	NC_021162.1	36349173	CC	TT	TT	URR	101505978	protein indeterminate-domain 2-like
SNP_13671B_36349182	Ca_Kabuli_Chr03	NC_021162.1	36349182	AA	GG	GG	URR	101505978	protein indeterminate-domain 2-like
SNP_13673B_36349233	Ca_Kabuli_Chr03	NC_021162.1	36349233	CC	TT	TT	URR	101505978	protein indeterminate-domain 2-like
SNP_13674B_36349282	Ca_Kabuli_Chr03	NC_021162.1	36349282	TT	CC	CC	URR	101505978	protein indeterminate-domain 2-like
SNP_13676B_36349346	Ca_Kabuli_Chr03	NC_021162.1	36349346	TT	CC	CC	URR	101505978	protein indeterminate-domain 2-like
SNP_13677B_36350559	Ca_Kabuli_Chr03	NC_021162.1	36350559	CC	GG	GG	INTERGENIC		
SNP_13678B_36351797	Ca_Kabuli_Chr03	NC_021162.1	36351797	CC	TT	TT	INTERGENIC		
SNP_13679B_36351801	Ca_Kabuli_Chr03	NC_021162.1	36351801	GG	AA	AA	INTERGENIC		
SNP_13680B_36351802	Ca_Kabuli_Chr03	NC_021162.1	36351802	AA	GG	GG	INTERGENIC		
SNP_13681B_36351865	Ca_Kabuli_Chr03	NC_021162.1	36351865	TT	CC	CC	INTERGENIC		
SNP_13682B_36353555	Ca_Kabuli_Chr03	NC_021162.1	36353555	CC	AA	AA	INTERGENIC		
SNP_13683B_36353564	Ca_Kabuli_Chr03	NC_021162.1	36353564	TT	AA	AA	INTERGENIC		
SNP_13684B_36353662	Ca_Kabuli_Chr03	NC_021162.1	36353662	CC	GG	GG	INTERGENIC		
SNP_13685B_36353664	Ca_Kabuli_Chr03	NC_021162.1	36353664	CC	GG	GG	INTERGENIC		
SNP_13686B_36354328	Ca_Kabuli_Chr03	NC_021162.1	36354328	GG	AA	AA	INTERGENIC		
SNP_13687B_36361604	Ca_Kabuli_Chr03	NC_021162.1	36361604	CC	TT	TT	INTERGENIC		
SNP_13689B_36361902	Ca_Kabuli_Chr03	NC_021162.1	36361902	GG	CC	CC	INTERGENIC		
SNP_13690B_36369774	Ca_Kabuli_Chr03	NC_021162.1	36369774	TT	AA	AA	INTRON	101506607	potassium transporter 5-like
SNP_13691B_36371332	Ca_Kabuli_Chr03	NC_021162.1	36371332	GG	AA	AA	URR	101506607	potassium transporter 5-like
SNP_13692B_36371515	Ca_Kabuli_Chr03	NC_021162.1	36371515	TT	AA	AA	URR	101506607	potassium transporter 5-like
SNP_13693B_36371539	Ca_Kabuli_Chr03	NC_021162.1	36371539	TT	CC	CC	URR	101506607	potassium transporter 5-like
SNP_13694B_36371645	Ca_Kabuli_Chr03	NC_021162.1	36371645	TT	GG	GG	URR	101506607	potassium transporter 5-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_13695B_36371661	Ca_Kabuli_Chr03	NC_021162.1	36371661	GG	CC	CC	URR	101506607	potassium transporter 5-like
SNP_13697B_36372479	Ca_Kabuli_Chr03	NC_021162.1	36372479	AA	TT	TT	INTERGENIC		
SNP_13698B_36374837	Ca_Kabuli_Chr03	NC_021162.1	36374837	TT	CC	CC	INTERGENIC		
SNP_13699B_36378078	Ca_Kabuli_Chr03	NC_021162.1	36378078	AA	GG	GG	INTERGENIC		
SNP_13701B_36381823	Ca_Kabuli_Chr03	NC_021162.1	36381823	CC	TT	TT	DRR	101507267	uncharacterized LOC101507267
SNP_13702B_36381826	Ca_Kabuli_Chr03	NC_021162.1	36381826	AA	GG	GG	DRR	101507267	uncharacterized LOC101507267
SNP_13703B_36381912	Ca_Kabuli_Chr03	NC_021162.1	36381912	CC	GG	GG	DRR	101507267	uncharacterized LOC101507267
SNP_13704B_36386074	Ca_Kabuli_Chr03	NC_021162.1	36386074	GG	AA	AA	DRR	101410590	transfer RNA aspartic acid (anticodon GUC)
SNP_13705B_36389601	Ca_Kabuli_Chr03	NC_021162.1	36389601	CC	AA	AA	DRR	101507580	pentatricopeptide repeat-containing protein At5g56310-like
SNP_13706B_36392070	Ca_Kabuli_Chr03	NC_021162.1	36392070	TT	CC	CC	DRR	101410607	transfer RNA glycine (anticodon CCC)
SNP_13707B_36392074	Ca_Kabuli_Chr03	NC_021162.1	36392074	GG	TT	TT	DRR	101410607	transfer RNA glycine (anticodon CCC)
SNP_13708B_36399415	Ca_Kabuli_Chr03	NC_021162.1	36399415	TT	CC	CC	URR	101508205	cyclin-dependent kinase 12-like
SNP_13709B_36403086	Ca_Kabuli_Chr03	NC_021162.1	36403086	TT	GG	GG	URR	101508530	bifunctional protein FolD 2
SNP_13710B_36403551	Ca_Kabuli_Chr03	NC_021162.1	36403551	AA	GG	GG	DRR	101508843	protein LOW PSII ACCUMULATION 1, chloroplastic
SNP_13712B_36403586	Ca_Kabuli_Chr03	NC_021162.1	36403586	AA	GG	GG	DRR	101508843	protein LOW PSII ACCUMULATION 1, chloroplastic
SNP_13713B_36403726	Ca_Kabuli_Chr03	NC_021162.1	36403726	TT	GG	GG	DRR	101508843	protein LOW PSII ACCUMULATION 1, chloroplastic
SNP_13714B_36413350	Ca_Kabuli_Chr03	NC_021162.1	36413350	CC	AA	AA	URR	101509496	heat shock factor-binding protein 1-like
SNP_13715B_36413801	Ca_Kabuli_Chr03	NC_021162.1	36413801	TT	CC	CC	DRR	101509815	dol-P-Man:Man(5)GlcNAc(2)-PP-Dol alpha-1,3-mannosyltransferase
SNP_13718B_36416710	Ca_Kabuli_Chr03	NC_021162.1	36416710	AA	GG	GG	INTRON	101509815	dol-P-Man:Man(5)GlcNAc(2)-PP-Dol alpha-1,3-mannosyltransferase
SNP_13719B_36419675	Ca_Kabuli_Chr03	NC_021162.1	36419675	CC	TT	TT	URR	101509815	dol-P-Man:Man(5)GlcNAc(2)-PP-Dol alpha-1,3-mannosyltransferase
SNP_13720B_36419716	Ca_Kabuli_Chr03	NC_021162.1	36419716	CC	TT	TT	URR	101509815	dol-P-Man:Man(5)GlcNAc(2)-PP-Dol alpha-1,3-mannosyltransferase
SNP_13722B_36422053	Ca_Kabuli_Chr03	NC_021162.1	36422053	CC	AA	AA	DRR	101510570	translocator protein homolog
SNP_13724B_36431901	Ca_Kabuli_Chr03	NC_021162.1	36431901	TT	CC	CC	INTRON	101511207	thiamine pyrophosphokinase 1
SNP_13726B_36433217	Ca_Kabuli_Chr03	NC_021162.1	36433217	TT	CC	CC	SYNONYMOUS_CODING	101511207	thiamine pyrophosphokinase 1

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_13727B_36437338	Ca_Kabuli_Chr03	NC_021162.1	36437338	GG	AA	AA	INTERGENIC		
SNP_13728B_36437630	Ca_Kabuli_Chr03	NC_021162.1	36437630	GG	TT	TT	INTERGENIC		
SNP_13729B_36439280	Ca_Kabuli_Chr03	NC_021162.1	36439280	AA	CC	CC	INTERGENIC		
SNP_13730B_36440715	Ca_Kabuli_Chr03	NC_021162.1	36440715	AA	GG	GG	DRR	101511855	WD repeat-containing protein 89 homolog
SNP_13731B_36442468	Ca_Kabuli_Chr03	NC_021162.1	36442468	AA	GG	GG	INTERGENIC		
SNP_13732B_36446102	Ca_Kabuli_Chr03	NC_021162.1	36446102	AA	TT	TT	URR	101511855	WD repeat-containing protein 89 homolog
SNP_13733B_36446106	Ca_Kabuli_Chr03	NC_021162.1	36446106	TT	AA	AA	URR	101511855	WD repeat-containing protein 89 homolog
SNP_13734B_36446112	Ca_Kabuli_Chr03	NC_021162.1	36446112	AA	TT	TT	URR	101511855	WD repeat-containing protein 89 homolog
SNP_13735B_36446117	Ca_Kabuli_Chr03	NC_021162.1	36446117	AA	GG	GG	URR	101511855	WD repeat-containing protein 89 homolog
SNP_13736B_36447129	Ca_Kabuli_Chr03	NC_021162.1	36447129	CC	TT	TT	DRR	101512168	uncharacterized protein Osl_027940-like
SNP_13739B_36448792	Ca_Kabuli_Chr03	NC_021162.1	36448792	GG	CC	CC	INTERGENIC		
SNP_13740B_36456323	Ca_Kabuli_Chr03	NC_021162.1	36456323	TT	AA	AA	INTERGENIC		
SNP_13741B_36475811	Ca_Kabuli_Chr03	NC_021162.1	36475811	AA	CC	CC	INTRON	101491540	serine/arginine-rich-splicing factor SR34
SNP_13742B_36475872	Ca_Kabuli_Chr03	NC_021162.1	36475872	TT	CC	CC	INTRON	101491540	serine/arginine-rich-splicing factor SR34
SNP_13743B_36476413	Ca_Kabuli_Chr03	NC_021162.1	36476413	TT	GG	GG	INTRON	101491540	serine/arginine-rich-splicing factor SR34
SNP_13745B_36483110	Ca_Kabuli_Chr03	NC_021162.1	36483110	TT	CC	CC	URR	101491540	serine/arginine-rich-splicing factor SR34
SNP_13746B_36565195	Ca_Kabuli_Chr03	NC_021162.1	36565195	GG	AA	AA	DRR	101489391	uncharacterized LOC101489391
SNP_13747B_36580553	Ca_Kabuli_Chr03	NC_021162.1	36580553	AA	GG	GG	INTERGENIC		
SNP_13748B_36613808	Ca_Kabuli_Chr03	NC_021162.1	36613808	TT	GG	GG	INTERGENIC		
SNP_13750B_36714043	Ca_Kabuli_Chr03	NC_021162.1	36714043	AA	GG	GG	INTRON	101497170	dnaJ protein ERDJ3B
SNP_13751B_36771191	Ca_Kabuli_Chr03	NC_021162.1	36771191	CC	TT	TT	INTERGENIC		
SNP_13752B_36818074	Ca_Kabuli_Chr03	NC_021162.1	36818074	CC	TT	TT	URR	101500634	calvin cycle protein CP12-2, chloroplastic-like
SNP_13754B_36898002	Ca_Kabuli_Chr03	NC_021162.1	36898002	GG	TT	TT	NON_SYNONYMOUS_CODING	101503824	nodal modulator 1
SNP_13755B_36942005	Ca_Kabuli_Chr03	NC_021162.1	36942005	CC	AA	AA	URR	101495434	flowering time control protein FCA

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SNP_13756B_36942006	Ca_Kabuli_Chr03	NC_021162.1	36942006	AA	TT	TT	URR	101495434	flowering time control protein FCA
SNP_13757B_36968988	Ca_Kabuli_Chr03	NC_021162.1	36968988	GG	AA	AA	URR	101506608	pentatricopeptide repeat-containing protein At4g02750-like
SNP_13759B_37014682	Ca_Kabuli_Chr03	NC_021162.1	37014682	AA	GG	GG	INTERGENIC		
SNP_13761B_37026533	Ca_Kabuli_Chr03	NC_021162.1	37026533	CC	TT	TT	INTERGENIC		
SNP_13762B_37026538	Ca_Kabuli_Chr03	NC_021162.1	37026538	TT	AA	AA	INTERGENIC		
SNP_13764B_37149694	Ca_Kabuli_Chr03	NC_021162.1	37149694	TT	CC	CC	URR	101514554	two-pore potassium channel 5
SNP_13765B_37182310	Ca_Kabuli_Chr03	NC_021162.1	37182310	TT	AA	AA	URR	101488610	probable polygalacturonase
SNP_13768B_37245624	Ca_Kabuli_Chr03	NC_021162.1	37245624	AA	TT	TT	URR	101492067	pectin acetylesterase 3-like
SNP_13769B_37366065	Ca_Kabuli_Chr03	NC_021162.1	37366065	TT	GG	GG	INTERGENIC		
SNP_13771B_37409331	Ca_Kabuli_Chr03	NC_021162.1	37409331	CC	TT	TT	URR	101498154	pentatricopeptide repeat-containing protein At3g49170, chloroplastic-like
SNP_13772B_37454456	Ca_Kabuli_Chr03	NC_021162.1	37454456	TT	AA	AA	URR	101499970	uncharacterized LOC101499970
SNP_13773B_37502257	Ca_Kabuli_Chr03	NC_021162.1	37502257	CC	TT	TT	INTRON	101502633	protein transport protein Sec24-like At3g07100
SNP_13774B_37519659	Ca_Kabuli_Chr03	NC_021162.1	37519659	AA	TT	TT	DRR	101502952	50S ribosomal protein L21, mitochondrial
SNP_13775B_37519660	Ca_Kabuli_Chr03	NC_021162.1	37519660	AA	TT	TT	DRR	101502952	50S ribosomal protein L21, mitochondrial
SNP_13776B_37704613	Ca_Kabuli_Chr03	NC_021162.1	37704613	AA	GG	GG	INTERGENIC		
SNP_13777B_37718792	Ca_Kabuli_Chr03	NC_021162.1	37718792	TT	CC	CC	INTERGENIC		
SNP_13778B_37718844	Ca_Kabuli_Chr03	NC_021162.1	37718844	AA	GG	GG	INTERGENIC		
SNP_13779B_37718862	Ca_Kabuli_Chr03	NC_021162.1	37718862	GG	AA	AA	INTERGENIC		
SNP_13780B_37718909	Ca_Kabuli_Chr03	NC_021162.1	37718909	TT	AA	AA	INTERGENIC		
SNP_13782B_37719635	Ca_Kabuli_Chr03	NC_021162.1	37719635	TT	AA	AA	INTERGENIC		
SNP_13783B_37719653	Ca_Kabuli_Chr03	NC_021162.1	37719653	TT	CC	CC	INTERGENIC		
SNP_13784B_37727230	Ca_Kabuli_Chr03	NC_021162.1	37727230	TT	GG	GG	URR	101511418	uncharacterized LOC101511418
SNP_13786B_37732805	Ca_Kabuli_Chr03	NC_021162.1	37732805	AA	CC	CC	INTRON	101498718	NHL repeat-containing protein 2-like
SNP_13787B_37741378	Ca_Kabuli_Chr03	NC_021162.1	37741378	TT	AA	AA	DRR	101499041	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_13789B_37764353	Ca_Kabuli_Chr03	NC_021162.1	37764353	TT	CC	CC	URR	101511961	importin subunit alpha-like
SNP_13790B_37765265	Ca_Kabuli_Chr03	NC_021162.1	37765265	AA	GG	GG	URR	101511961	importin subunit alpha-like
SNP_13791B_37765269	Ca_Kabuli_Chr03	NC_021162.1	37765269	TT	CC	CC	URR	101511961	importin subunit alpha-like
SNP_13792B_37765415	Ca_Kabuli_Chr03	NC_021162.1	37765415	AA	CC	CC	URR	101511961	importin subunit alpha-like
SNP_13793B_37768893	Ca_Kabuli_Chr03	NC_021162.1	37768893	TT	CC	CC	URR	101512290	GATA transcription factor 16-like
SNP_13794B_37769383	Ca_Kabuli_Chr03	NC_021162.1	37769383	TT	GG	GG	URR	101512290	GATA transcription factor 16-like
SNP_13795B_37808276	Ca_Kabuli_Chr03	NC_021162.1	37808276	TT	AA	AA	INTERGENIC		
SNP_13796B_37808282	Ca_Kabuli_Chr03	NC_021162.1	37808282	AA	TT	TT	INTERGENIC		
SNP_13797B_37808284	Ca_Kabuli_Chr03	NC_021162.1	37808284	CC	TT	TT	INTERGENIC		
SNP_13799B_37853449	Ca_Kabuli_Chr03	NC_021162.1	37853449	AA	GG	GG	URR	101488281	importin subunit alpha-4-like
SNP_13801B_37900347	Ca_Kabuli_Chr03	NC_021162.1	37900347	GG	AA	AA	INTERGENIC		
SNP_13802B_37943258	Ca_Kabuli_Chr03	NC_021162.1	37943258	GG	TT	TT	DRR	101501266	ATP-dependent 6-phosphofructokinase 3-like
SNP_13805B_38130334	Ca_Kabuli_Chr03	NC_021162.1	38130334	AA	TT	TT	INTERGENIC		
SNP_13806B_38137708	Ca_Kabuli_Chr03	NC_021162.1	38137708	CC	TT	TT	URR	101501579	uncharacterized LOC101501579
SNP_13807B_38142275	Ca_Kabuli_Chr03	NC_021162.1	38142275	TT	CC	CC	DRR	101501891	sucrose nonfermenting 4-like protein
SNP_13808B_38142308	Ca_Kabuli_Chr03	NC_021162.1	38142308	GG	TT	TT	DRR	101501891	sucrose nonfermenting 4-like protein
SNP_13809B_38142463	Ca_Kabuli_Chr03	NC_021162.1	38142463	AA	CC	CC	DRR	101501891	sucrose nonfermenting 4-like protein
SNP_13810B_38142535	Ca_Kabuli_Chr03	NC_021162.1	38142535	AA	GG	GG	DRR	101501891	sucrose nonfermenting 4-like protein
SNP_13811B_38142550	Ca_Kabuli_Chr03	NC_021162.1	38142550	GG	AA	AA	DRR	101501891	sucrose nonfermenting 4-like protein
SNP_13812B_38149544	Ca_Kabuli_Chr03	NC_021162.1	38149544	CC	TT	TT	DRR	101502432	uncharacterized LOC101502432
SNP_13813B_38155926	Ca_Kabuli_Chr03	NC_021162.1	38155926	TT	CC	CC	URR	101502432	uncharacterized LOC101502432
SNP_13815B_38159632	Ca_Kabuli_Chr03	NC_021162.1	38159632	GG	AA	AA	INTRON	101503172	DNA polymerase zeta catalytic subunit
SNP_13816B_38168137	Ca_Kabuli_Chr03	NC_021162.1	38168137	CC	GG	GG	INTRON	101503172	DNA polymerase zeta catalytic subunit
SNP_13818B_38171153	Ca_Kabuli_Chr03	NC_021162.1	38171153	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_13819B_38174079	Ca_Kabuli_Chr03	NC_021162.1	38174079	CC	TT	TT	DRR	101502735	probable linoleate 9S-lipoxygenase 5
SNP_13822B_38174455	Ca_Kabuli_Chr03	NC_021162.1	38174455	AA	TT	TT	DRR	101502735	probable linoleate 9S-lipoxygenase 5
SNP_13823B_38176160	Ca_Kabuli_Chr03	NC_021162.1	38176160	CC	TT	TT	INTRON	101502735	probable linoleate 9S-lipoxygenase 5
SNP_13824B_38177210	Ca_Kabuli_Chr03	NC_021162.1	38177210	AA	GG	GG	INTRON	101502735	probable linoleate 9S-lipoxygenase 5
SNP_13825B_38177281	Ca_Kabuli_Chr03	NC_021162.1	38177281	GG	CC	CC	SYNONYMOUS_CODING	101502735	probable linoleate 9S-lipoxygenase 5
SNP_13826B_38177611	Ca_Kabuli_Chr03	NC_021162.1	38177611	GG	TT	TT	INTRON	101502735	probable linoleate 9S-lipoxygenase 5
SNP_13827B_38177641	Ca_Kabuli_Chr03	NC_021162.1	38177641	GG	CC	CC	INTRON	101502735	probable linoleate 9S-lipoxygenase 5
SNP_13828B_38180820	Ca_Kabuli_Chr03	NC_021162.1	38180820	TT	AA	AA	URR	101502735	probable linoleate 9S-lipoxygenase 5
SNP_13829B_38181200	Ca_Kabuli_Chr03	NC_021162.1	38181200	GG	TT	TT	URR	101502735	probable linoleate 9S-lipoxygenase 5
SNP_13830B_38181225	Ca_Kabuli_Chr03	NC_021162.1	38181225	TT	CC	CC	URR	101502735	probable linoleate 9S-lipoxygenase 5
SNP_13831B_38181245	Ca_Kabuli_Chr03	NC_021162.1	38181245	AA	GG	GG	URR	101502735	probable linoleate 9S-lipoxygenase 5
SNP_13832B_38181462	Ca_Kabuli_Chr03	NC_021162.1	38181462	AA	TT	TT	URR	101502735	probable linoleate 9S-lipoxygenase 5
SNP_13834B_38183258	Ca_Kabuli_Chr03	NC_021162.1	38183258	CC	AA	AA	INTERGENIC		
SNP_13835B_38184255	Ca_Kabuli_Chr03	NC_021162.1	38184255	GG	AA	AA	INTERGENIC		
SNP_13836B_38201629	Ca_Kabuli_Chr03	NC_021162.1	38201629	CC	GG	GG	NON_SYNONYMOUS_CODING	101503378	probable Xaa-Pro aminopeptidase P
SNP_13837B_38202024	Ca_Kabuli_Chr03	NC_021162.1	38202024	TT	AA	AA	INTRON	101503378	probable Xaa-Pro aminopeptidase P
SNP_13838B_38203791	Ca_Kabuli_Chr03	NC_021162.1	38203791	CC	TT	TT	INTRON	101503378	probable Xaa-Pro aminopeptidase P
SNP_13839B_38203821	Ca_Kabuli_Chr03	NC_021162.1	38203821	GG	TT	TT	INTRON	101503378	probable Xaa-Pro aminopeptidase P
SNP_13841B_38204993	Ca_Kabuli_Chr03	NC_021162.1	38204993	GG	AA	AA	INTRON	101503378	probable Xaa-Pro aminopeptidase P
SNP_13842B_38205116	Ca_Kabuli_Chr03	NC_021162.1	38205116	TT	CC	CC	INTRON	101503378	probable Xaa-Pro aminopeptidase P
SNP_13843B_38205117	Ca_Kabuli_Chr03	NC_021162.1	38205117	TT	CC	CC	INTRON	101503378	probable Xaa-Pro aminopeptidase P
SNP_13844B_38205154	Ca_Kabuli_Chr03	NC_021162.1	38205154	CC	TT	TT	INTRON	101503378	probable Xaa-Pro aminopeptidase P
SNP_13845B_38205171	Ca_Kabuli_Chr03	NC_021162.1	38205171	AA	GG	GG	INTRON	101503378	probable Xaa-Pro aminopeptidase P
SNP_13846B_38209361	Ca_Kabuli_Chr03	NC_021162.1	38209361	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_13847B_38209362	Ca_Kabuli_Chr03	NC_021162.1	38209362	TT	GG	GG	INTERGENIC		
SNP_13848B_38215792	Ca_Kabuli_Chr03	NC_021162.1	38215792	AA	GG	GG	DRR	101504043	microtubule-binding protein TANGLED-like
SNP_13850B_38215904	Ca_Kabuli_Chr03	NC_021162.1	38215904	GG	TT	TT	DRR	101504043	microtubule-binding protein TANGLED-like
SNP_13851B_38219261	Ca_Kabuli_Chr03	NC_021162.1	38219261	TT	AA	AA	DRR	101504897	kinesin-like protein KIFC3
SNP_13852B_38219270	Ca_Kabuli_Chr03	NC_021162.1	38219270	GG	AA	AA	DRR	101504897	kinesin-like protein KIFC3
SNP_13853B_38219943	Ca_Kabuli_Chr03	NC_021162.1	38219943	AA	GG	GG	DRR	101504897	kinesin-like protein KIFC3
SNP_13854B_38224014	Ca_Kabuli_Chr03	NC_021162.1	38224014	AA	GG	GG	INTERGENIC		
SNP_13855B_38224700	Ca_Kabuli_Chr03	NC_021162.1	38224700	AA	GG	GG	INTERGENIC		
SNP_13856B_38232382	Ca_Kabuli_Chr03	NC_021162.1	38232382	GG	AA	AA	URR	101505201	pentatricopeptide repeat-containing protein At3g05340
SNP_13857B_38232399	Ca_Kabuli_Chr03	NC_021162.1	38232399	AA	GG	GG	URR	101505201	pentatricopeptide repeat-containing protein At3g05340
SNP_13858B_38232402	Ca_Kabuli_Chr03	NC_021162.1	38232402	GG	CC	CC	URR	101505201	pentatricopeptide repeat-containing protein At3g05340
SNP_13859B_38232403	Ca_Kabuli_Chr03	NC_021162.1	38232403	GG	TT	TT	URR	101505201	pentatricopeptide repeat-containing protein At3g05340
SNP_13860B_38236243	Ca_Kabuli_Chr03	NC_021162.1	38236243	CC	TT	TT	NON_SYNONYMOUS_CODING	101505520	mannosylglycoprotein endo-beta-mannosidase-like
SNP_13861B_38238012	Ca_Kabuli_Chr03	NC_021162.1	38238012	AA	GG	GG	INTRON	101505520	mannosylglycoprotein endo-beta-mannosidase-like
SNP_13862B_38238323	Ca_Kabuli_Chr03	NC_021162.1	38238323	AA	GG	GG	INTRON	101505520	mannosylglycoprotein endo-beta-mannosidase-like
SNP_13863B_38241187	Ca_Kabuli_Chr03	NC_021162.1	38241187	CC	TT	TT	URR	101505520	mannosylglycoprotein endo-beta-mannosidase-like
SNP_13864B_38241374	Ca_Kabuli_Chr03	NC_021162.1	38241374	GG	AA	AA	URR	101505520	mannosylglycoprotein endo-beta-mannosidase-like
SNP_13865B_38284496	Ca_Kabuli_Chr03	NC_021162.1	38284496	GG	AA	AA	INTERGENIC		
SNP_13867B_38353156	Ca_Kabuli_Chr03	NC_021162.1	38353156	TT	CC	CC	INTERGENIC		
SNP_13868B_38353157	Ca_Kabuli_Chr03	NC_021162.1	38353157	TT	GG	GG	INTERGENIC		
SNP_13869B_38623626	Ca_Kabuli_Chr03	NC_021162.1	38623626	CC	TT	TT	DRR	101495636	uncharacterized LOC101495636
SNP_13870B_38690610	Ca_Kabuli_Chr03	NC_021162.1	38690610	GG	AA	AA	INTERGENIC		
SNP_13871B_38690638	Ca_Kabuli_Chr03	NC_021162.1	38690638	GG	AA	AA	INTERGENIC		
SNP_13872B_38690651	Ca_Kabuli_Chr03	NC_021162.1	38690651	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_13873B_38690747	Ca_Kabuli_Chr03	NC_021162.1	38690747	AA	TT	TT	INTERGENIC		
SNP_13874B_38690862	Ca_Kabuli_Chr03	NC_021162.1	38690862	CC	AA	AA	DRR	101498253	uncharacterized LOC101498253
SNP_13875B_38691177	Ca_Kabuli_Chr03	NC_021162.1	38691177	AA	GG	GG	DRR	101498253	uncharacterized LOC101498253
SNP_13876B_38698007	Ca_Kabuli_Chr03	NC_021162.1	38698007	GG	AA	AA	URR	101498920	probable ribose-5-phosphate isomerase 3, chloroplastic
SNP_13877B_38736001	Ca_Kabuli_Chr03	NC_021162.1	38736001	AA	GG	GG	INTERGENIC		
SNP_13878B_38736003	Ca_Kabuli_Chr03	NC_021162.1	38736003	AA	TT	TT	INTERGENIC		
SNP_13879B_38767119	Ca_Kabuli_Chr03	NC_021162.1	38767119	CC	TT	TT	URR	101502112	sec-independent protein translocase protein TATA, chloroplastic
SNP_13880B_38870491	Ca_Kabuli_Chr03	NC_021162.1	38870491	AA	TT	TT	INTERGENIC		
SNP_13881B_38870525	Ca_Kabuli_Chr03	NC_021162.1	38870525	AA	CC	CC	INTERGENIC		
SNP_13882B_38870527	Ca_Kabuli_Chr03	NC_021162.1	38870527	GG	AA	AA	INTERGENIC		
SNP_13884B_38900328	Ca_Kabuli_Chr03	NC_021162.1	38900328	AA	TT	TT	INTERGENIC		
SNP_13885B_38902606	Ca_Kabuli_Chr03	NC_021162.1	38902606	AA	GG	GG	INTERGENIC		
SNP_13886B_38902671	Ca_Kabuli_Chr03	NC_021162.1	38902671	TT	GG	GG	INTERGENIC		
SNP_13887B_38902996	Ca_Kabuli_Chr03	NC_021162.1	38902996	AA	GG	GG	INTERGENIC		
SNP_13888B_38955916	Ca_Kabuli_Chr03	NC_021162.1	38955916	TT	GG	GG	URR	101511209	protein PHR1-LIKE 1-like
SNP_13889B_38960769	Ca_Kabuli_Chr03	NC_021162.1	38960769	CC	TT	TT	URR	101508643	elongation factor 1-alpha-like
SNP_13890B_38976211	Ca_Kabuli_Chr03	NC_021162.1	38976211	AA	GG	GG	INTERGENIC		
SNP_13892B_39053394	Ca_Kabuli_Chr03	NC_021162.1	39053394	AA	GG	GG	INTERGENIC		
SNP_13893B_39053916	Ca_Kabuli_Chr03	NC_021162.1	39053916	TT	CC	CC	INTERGENIC		
SNP_13894B_39108022	Ca_Kabuli_Chr03	NC_021162.1	39108022	AA	GG	GG	DRR	101490900	translational activator GCN1
SNP_13895B_39156091	Ca_Kabuli_Chr03	NC_021162.1	39156091	CC	GG	GG	URR	101491845	GDSL esterase/lipase At5g33370-like
SNP_13896B_39190615	Ca_Kabuli_Chr03	NC_021162.1	39190615	AA	GG	GG	INTERGENIC		
SNP_13897B_39271343	Ca_Kabuli_Chr03	NC_021162.1	39271343	GG	AA	AA	URR	101509593	hevamine-A-like
SNP_13898B_39347797	Ca_Kabuli_Chr03	NC_021162.1	39347797	GG	TT	TT	URR	101502323	N-alpha-acetyltransferase 20

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_13899B_39388844	Ca_Kabuli_Chr03	NC_021162.1	39388844	CC	TT	TT	INTERGENIC		
SNP_13900B_39418741	Ca_Kabuli_Chr03	NC_021162.1	39418741	TT	CC	CC	INTERGENIC		
SNP_13901B_39418756	Ca_Kabuli_Chr03	NC_021162.1	39418756	GG	AA	AA	INTERGENIC		
SNP_13902B_39418759	Ca_Kabuli_Chr03	NC_021162.1	39418759	CC	GG	GG	INTERGENIC		
SNP_13903B_39419727	Ca_Kabuli_Chr03	NC_021162.1	39419727	CC	TT	TT	INTERGENIC		
SNP_13906B_39578578	Ca_Kabuli_Chr03	NC_021162.1	39578578	GG	AA	AA	DRR	101488728	DNA-directed RNA polymerase III subunit RPC10-like
SNP_13907B_39581648	Ca_Kabuli_Chr03	NC_021162.1	39581648	TT	AA	AA	DRR	101489062	bifunctional fucokinase/fucose pyrophosphorylase
SNP_13908B_39603602	Ca_Kabuli_Chr03	NC_021162.1	39603602	TT	AA	AA	URR	101511212	uncharacterized LOC101511212
SNP_13909B_39611027	Ca_Kabuli_Chr03	NC_021162.1	39611027	TT	CC	CC	INTERGENIC		
SNP_13910B_39611159	Ca_Kabuli_Chr03	NC_021162.1	39611159	GG	AA	AA	INTERGENIC		
SNP_13911B_39611170	Ca_Kabuli_Chr03	NC_021162.1	39611170	TT	AA	AA	INTERGENIC		
SNP_13912B_39611320	Ca_Kabuli_Chr03	NC_021162.1	39611320	AA	GG	GG	INTRON	101490580	uncharacterized LOC101490580
SNP_13913B_39611386	Ca_Kabuli_Chr03	NC_021162.1	39611386	TT	GG	GG	NON_SYNONYMOUS_CODING	101490580	uncharacterized LOC101490580
SNP_13914B_39611410	Ca_Kabuli_Chr03	NC_021162.1	39611410	TT	CC	CC	SYNONYMOUS_CODING	101490580	uncharacterized LOC101490580
SNP_13915B_39611444	Ca_Kabuli_Chr03	NC_021162.1	39611444	GG	AA	AA	NON_SYNONYMOUS_CODING	101490580	uncharacterized LOC101490580
SNP_13916B_39611446	Ca_Kabuli_Chr03	NC_021162.1	39611446	AA	TT	TT	NON_SYNONYMOUS_CODING	101490580	uncharacterized LOC101490580
SNP_13917B_39611461	Ca_Kabuli_Chr03	NC_021162.1	39611461	GG	AA	AA	SPLICE_SITE_REGION	101490580	uncharacterized LOC101490580
SNP_13918B_39611490	Ca_Kabuli_Chr03	NC_021162.1	39611490	CC	TT	TT	INTRON	101490580	uncharacterized LOC101490580
SNP_13919B_39611687	Ca_Kabuli_Chr03	NC_021162.1	39611687	GG	AA	AA	INTRON	101490580	uncharacterized LOC101490580
SNP_13920B_39611688	Ca_Kabuli_Chr03	NC_021162.1	39611688	CC	TT	TT	INTRON	101490580	uncharacterized LOC101490580
SNP_13921B_39611699	Ca_Kabuli_Chr03	NC_021162.1	39611699	TT	CC	CC	INTRON	101490580	uncharacterized LOC101490580
SNP_13922B_39611718	Ca_Kabuli_Chr03	NC_021162.1	39611718	GG	AA	AA	INTRON	101490580	uncharacterized LOC101490580
SNP_13923B_39612534	Ca_Kabuli_Chr03	NC_021162.1	39612534	TT	CC	CC	SYNONYMOUS_CODING	101490580	uncharacterized LOC101490580
SNP_13924B_39612558	Ca_Kabuli_Chr03	NC_021162.1	39612558	AA	TT	TT	NON_SYNONYMOUS_CODING	101490580	uncharacterized LOC101490580

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_13925B_39612568	Ca_Kabuli_Chr03	NC_021162.1	39612568	AA	TT	TT	NON_SYNONYMOUS_CODING	101490580	uncharacterized LOC101490580
SNP_13927B_39765722	Ca_Kabuli_Chr03	NC_021162.1	39765722	TT	CC	CC	URR	101500319	anthranilate N-methyltransferase-like
SNP_13928B_39846523	Ca_Kabuli_Chr03	NC_021162.1	39846523	CC	TT	TT	INTERGENIC		
SNP_13929B_39864815	Ca_Kabuli_Chr03	NC_021162.1	39864815	GG	CC	CC	INTERGENIC		
SNP_13930B_39865286	Ca_Kabuli_Chr03	NC_021162.1	39865286	AA	TT	TT	INTERGENIC		
SNP_13931B_39865460	Ca_Kabuli_Chr03	NC_021162.1	39865460	AA	CC	CC	INTERGENIC		
SNP_13932B_39865465	Ca_Kabuli_Chr03	NC_021162.1	39865465	AA	TT	TT	INTERGENIC		
SNP_13933B_39866503	Ca_Kabuli_Chr03	NC_021162.1	39866503	GG	AA	AA	INTERGENIC		
SNP_13934B_39934096	Ca_Kabuli_Chr03	NC_021162.1	39934096	CC	TT	TT	INTRON	101506079	ankyrin repeat-containing protein At5g02620-like
SNP_13935B_39938101	Ca_Kabuli_Chr03	NC_021162.1	39938101	AA	GG	GG	INTRON	101506079	ankyrin repeat-containing protein At5g02620-like
SNP_13937B_39964840	Ca_Kabuli_Chr03	NC_021162.1	39964840	TT	GG	GG	URR	101506836	mediator of RNA polymerase II transcription subunit 33B-like
SNP_13938B_39978056	Ca_Kabuli_Chr03	NC_021162.1	39978056	TT	CC	CC	INTERGENIC		
SNP_13939B_39978229	Ca_Kabuli_Chr03	NC_021162.1	39978229	CC	AA	AA	INTERGENIC		
SNP_13940B_39978389	Ca_Kabuli_Chr03	NC_021162.1	39978389	AA	GG	GG	INTERGENIC		
SNP_13941B_39978427	Ca_Kabuli_Chr03	NC_021162.1	39978427	AA	GG	GG	INTERGENIC		
SNP_13942B_39979079	Ca_Kabuli_Chr03	NC_021162.1	39979079	TT	GG	GG	INTERGENIC		
SNP_13943B_39979104	Ca_Kabuli_Chr03	NC_021162.1	39979104	TT	CC	CC	INTERGENIC		
SNP_13944B_39979173	Ca_Kabuli_Chr03	NC_021162.1	39979173	GG	CC	CC	INTERGENIC		
SNP_13945B_39981442	Ca_Kabuli_Chr03	NC_021162.1	39981442	AA	TT	TT	INTERGENIC		
SNP_13946B_39981443	Ca_Kabuli_Chr03	NC_021162.1	39981443	TT	GG	GG	INTERGENIC		
SNP_13947B_39981648	Ca_Kabuli_Chr03	NC_021162.1	39981648	GG	CC	CC	INTERGENIC		
SNP_13948B_39981974	Ca_Kabuli_Chr03	NC_021162.1	39981974	AA	GG	GG	INTERGENIC		
SNP_13949B_39988165	Ca_Kabuli_Chr03	NC_021162.1	39988165	GG	CC	CC	INTERGENIC		
SNP_13950B_39988204	Ca_Kabuli_Chr03	NC_021162.1	39988204	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_13951B_30623	Ca_Kabuli_Chr04	NC_021163.1	30623	GG	AA	AA	INTERGENIC		
SNP_13952B_79769	Ca_Kabuli_Chr04	NC_021163.1	79769	GG	AA	AA	INTERGENIC		
SNP_13954B_80152	Ca_Kabuli_Chr04	NC_021163.1	80152	CC	AA	AA	INTERGENIC		
SNP_13955B_80169	Ca_Kabuli_Chr04	NC_021163.1	80169	TT	CC	CC	INTERGENIC		
SNP_13956B_80250	Ca_Kabuli_Chr04	NC_021163.1	80250	AA	GG	GG	INTERGENIC		
SNP_13957B_80289	Ca_Kabuli_Chr04	NC_021163.1	80289	AA	GG	GG	INTERGENIC		
SNP_13958B_85513	Ca_Kabuli_Chr04	NC_021163.1	85513	TT	CC	CC	INTERGENIC		
SNP_13959B_85556	Ca_Kabuli_Chr04	NC_021163.1	85556	TT	GG	GG	INTERGENIC		
SNP_13960B_85592	Ca_Kabuli_Chr04	NC_021163.1	85592	GG	CC	CC	INTERGENIC		
SNP_13961B_85714	Ca_Kabuli_Chr04	NC_021163.1	85714	TT	CC	CC	INTERGENIC		
SNP_13962B_85721	Ca_Kabuli_Chr04	NC_021163.1	85721	CC	TT	TT	INTERGENIC		
SNP_13963B_85945	Ca_Kabuli_Chr04	NC_021163.1	85945	TT	CC	CC	INTERGENIC		
SNP_13964B_86019	Ca_Kabuli_Chr04	NC_021163.1	86019	TT	GG	GG	INTERGENIC		
SNP_13965B_89808	Ca_Kabuli_Chr04	NC_021163.1	89808	GG	AA	AA	INTERGENIC		
SNP_13966B_89837	Ca_Kabuli_Chr04	NC_021163.1	89837	TT	AA	AA	INTERGENIC		
SNP_13967B_89884	Ca_Kabuli_Chr04	NC_021163.1	89884	AA	GG	GG	INTERGENIC		
SNP_13968B_90171	Ca_Kabuli_Chr04	NC_021163.1	90171	GG	TT	TT	INTERGENIC		
SNP_13969B_113325	Ca_Kabuli_Chr04	NC_021163.1	113325	GG	AA	AA	INTERGENIC		
SNP_13970B_130718	Ca_Kabuli_Chr04	NC_021163.1	130718	TT	GG	GG	INTERGENIC		
SNP_13971B_130733	Ca_Kabuli_Chr04	NC_021163.1	130733	CC	TT	TT	INTERGENIC		
SNP_13972B_130789	Ca_Kabuli_Chr04	NC_021163.1	130789	TT	CC	CC	INTERGENIC		
SNP_13973B_130827	Ca_Kabuli_Chr04	NC_021163.1	130827	AA	GG	GG	INTERGENIC		
SNP_13974B_130850	Ca_Kabuli_Chr04	NC_021163.1	130850	TT	CC	CC	INTERGENIC		
SNP_13975B_130860	Ca_Kabuli_Chr04	NC_021163.1	130860	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_13976B_130974	Ca_Kabuli_Chr04	NC_021163.1	130974	AA	GG	GG	INTERGENIC		
SNP_13977B_130983	Ca_Kabuli_Chr04	NC_021163.1	130983	AA	GG	GG	INTERGENIC		
SNP_13978B_131016	Ca_Kabuli_Chr04	NC_021163.1	131016	AA	GG	GG	INTERGENIC		
SNP_13979B_131032	Ca_Kabuli_Chr04	NC_021163.1	131032	CC	TT	TT	INTERGENIC		
SNP_13980B_131064	Ca_Kabuli_Chr04	NC_021163.1	131064	CC	AA	AA	INTERGENIC		
SNP_13981B_131091	Ca_Kabuli_Chr04	NC_021163.1	131091	GG	AA	AA	INTERGENIC		
SNP_13982B_131166	Ca_Kabuli_Chr04	NC_021163.1	131166	AA	GG	GG	INTERGENIC		
SNP_13984B_339281	Ca_Kabuli_Chr04	NC_021163.1	339281	AA	GG	GG	URR	101498383	MATE efflux family protein 5-like
SNP_13985B_357397	Ca_Kabuli_Chr04	NC_021163.1	357397	TT	AA	AA	INTRON	101499046	pentatricopeptide repeat-containing protein At3g02650, mitochondrial-like
SNP_13986B_357529	Ca_Kabuli_Chr04	NC_021163.1	357529	CC	TT	TT	INTRON	101499046	pentatricopeptide repeat-containing protein At3g02650, mitochondrial-like
SNP_13987B_357562	Ca_Kabuli_Chr04	NC_021163.1	357562	TT	CC	CC	INTRON	101499046	pentatricopeptide repeat-containing protein At3g02650, mitochondrial-like
SNP_13988B_357582	Ca_Kabuli_Chr04	NC_021163.1	357582	TT	GG	GG	INTRON	101499046	pentatricopeptide repeat-containing protein At3g02650, mitochondrial-like
SNP_13989B_357637	Ca_Kabuli_Chr04	NC_021163.1	357637	AA	CC	CC	INTRON	101499046	pentatricopeptide repeat-containing protein At3g02650, mitochondrial-like
SNP_13990B_357650	Ca_Kabuli_Chr04	NC_021163.1	357650	GG	AA	AA	INTRON	101499046	pentatricopeptide repeat-containing protein At3g02650, mitochondrial-like
SNP_13991B_357853	Ca_Kabuli_Chr04	NC_021163.1	357853	AA	GG	GG	INTRON	101499046	pentatricopeptide repeat-containing protein At3g02650, mitochondrial-like
SNP_13992B_418082	Ca_Kabuli_Chr04	NC_021163.1	418082	CC	TT	TT	URR	101499977	Unknown function
SNP_13993B_428569	Ca_Kabuli_Chr04	NC_021163.1	428569	TT	CC	CC	URR	101500942	pentatricopeptide repeat-containing protein At3g53700, chloroplastic
SNP_13994B_471800	Ca_Kabuli_Chr04	NC_021163.1	471800	CC	TT	TT	URR	101502541	probable histone H2B.3-like
SNP_13995B_478439	Ca_Kabuli_Chr04	NC_021163.1	478439	TT	CC	CC	URR	101500640	Unknown function
SNP_13997B_584089	Ca_Kabuli_Chr04	NC_021163.1	584089	CC	TT	TT	DRR	101505104	zinc finger HIT domain-containing protein 3
SNP_13998B_584090	Ca_Kabuli_Chr04	NC_021163.1	584090	CC	AA	AA	DRR	101505104	zinc finger HIT domain-containing protein 3
SNP_13999B_584099	Ca_Kabuli_Chr04	NC_021163.1	584099	GG	AA	AA	DRR	101505104	zinc finger HIT domain-containing protein 3
SNP_14001B_780349	Ca_Kabuli_Chr04	NC_021163.1	780349	TT	CC	CC	URR	101511860	uncharacterized LOC101511860
SNP_14002B_945822	Ca_Kabuli_Chr04	NC_021163.1	945822	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_14003B_982276	Ca_Kabuli_Chr04	NC_021163.1	982276	AA	GG	GG	NON_SYNONYMOUS_CODING	101503176	CRIB domain-containing protein RIC7-like
SNP_14004B_1043221	Ca_Kabuli_Chr04	NC_021163.1	1043221	TT	CC	CC	DRR	101495858	protein CHROMATIN REMODELING 8
SNP_14006B_1172883	Ca_Kabuli_Chr04	NC_021163.1	1172883	TT	GG	GG	INTRON	101499775	uncharacterized LOC101499775
SNP_14008B_1499677	Ca_Kabuli_Chr04	NC_021163.1	1499677	GG	TT	TT	INTERGENIC		
SNP_14009B_1536655	Ca_Kabuli_Chr04	NC_021163.1	1536655	TT	CC	CC	INTERGENIC		
SNP_14010B_1536859	Ca_Kabuli_Chr04	NC_021163.1	1536859	TT	CC	CC	INTERGENIC		
SNP_14011B_1553749	Ca_Kabuli_Chr04	NC_021163.1	1553749	GG	TT	TT	INTRON	101513032	probable galacturonosyltransferase 6
SNP_14012B_1623978	Ca_Kabuli_Chr04	NC_021163.1	1623978	AA	CC	CC	URR	101488285	transcription factor UNE12-like
SNP_14013B_1677022	Ca_Kabuli_Chr04	NC_021163.1	1677022	GG	AA	AA	INTRON	101490148	guanine nucleotide-binding protein subunit gamma 2
SNP_14014B_1677042	Ca_Kabuli_Chr04	NC_021163.1	1677042	AA	CC	CC	INTRON	101490148	guanine nucleotide-binding protein subunit gamma 2
SNP_14015B_1677101	Ca_Kabuli_Chr04	NC_021163.1	1677101	TT	AA	AA	INTRON	101490148	guanine nucleotide-binding protein subunit gamma 2
SNP_14016B_1677197	Ca_Kabuli_Chr04	NC_021163.1	1677197	GG	AA	AA	INTRON	101490148	guanine nucleotide-binding protein subunit gamma 2
SNP_14017B_1677209	Ca_Kabuli_Chr04	NC_021163.1	1677209	TT	AA	AA	INTRON	101490148	guanine nucleotide-binding protein subunit gamma 2
SNP_14018B_1677215	Ca_Kabuli_Chr04	NC_021163.1	1677215	GG	CC	CC	INTRON	101490148	guanine nucleotide-binding protein subunit gamma 2
SNP_14019B_1677219	Ca_Kabuli_Chr04	NC_021163.1	1677219	TT	GG	GG	INTRON	101490148	guanine nucleotide-binding protein subunit gamma 2
SNP_14020B_1677233	Ca_Kabuli_Chr04	NC_021163.1	1677233	TT	CC	CC	INTRON	101490148	guanine nucleotide-binding protein subunit gamma 2
SNP_14021B_1677241	Ca_Kabuli_Chr04	NC_021163.1	1677241	TT	CC	CC	INTRON	101490148	guanine nucleotide-binding protein subunit gamma 2
SNP_14022B_1677242	Ca_Kabuli_Chr04	NC_021163.1	1677242	GG	AA	AA	INTRON	101490148	guanine nucleotide-binding protein subunit gamma 2
SNP_14024B_1677466	Ca_Kabuli_Chr04	NC_021163.1	1677466	CC	TT	TT	INTRON	101490148	guanine nucleotide-binding protein subunit gamma 2
SNP_14025B_1697293	Ca_Kabuli_Chr04	NC_021163.1	1697293	TT	CC	CC	URR	101491542	uncharacterized LOC101491542
SNP_14027B_1774545	Ca_Kabuli_Chr04	NC_021163.1	1774545	AA	GG	GG	NON_SYNONYMOUS_CODING	id66831	Unknown function
SNP_14028B_1774856	Ca_Kabuli_Chr04	NC_021163.1	1774856	CC	AA	AA	INTRON	id66819	Unknown function
SNP_14029B_1775892	Ca_Kabuli_Chr04	NC_021163.1	1775892	GG	AA	AA	INTRON	id66819	Unknown function
SNP_14030B_1775935	Ca_Kabuli_Chr04	NC_021163.1	1775935	AA	CC	CC	INTRON	id66819	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_14031B_1775941	Ca_Kabuli_Chr04	NC_021163.1	1775941	CC	TT	TT	INTRON	id66819	Unknown function
SNP_14032B_1776419	Ca_Kabuli_Chr04	NC_021163.1	1776419	GG	AA	AA	SYNONYMOUS_CODING	id66831	Unknown function
SNP_14033B_1776426	Ca_Kabuli_Chr04	NC_021163.1	1776426	TT	CC	CC	NON_SYNONYMOUS_CODING	id66831	Unknown function
SNP_14035B_1778025	Ca_Kabuli_Chr04	NC_021163.1	1778025	TT	CC	CC	INTRON	101493622	heat stress transcription factor A-6b-like
SNP_14036B_1779927	Ca_Kabuli_Chr04	NC_021163.1	1779927	AA	GG	GG	URR	101493622	heat stress transcription factor A-6b-like
SNP_14037B_1779940	Ca_Kabuli_Chr04	NC_021163.1	1779940	CC	TT	TT	URR	101493622	heat stress transcription factor A-6b-like
SNP_14038B_1783150	Ca_Kabuli_Chr04	NC_021163.1	1783150	GG	AA	AA	INTRON	101494572	uncharacterized LOC101494572
SNP_14039B_1783808	Ca_Kabuli_Chr04	NC_021163.1	1783808	TT	CC	CC	INTRON	101494572	uncharacterized LOC101494572
SNP_14041B_1786417	Ca_Kabuli_Chr04	NC_021163.1	1786417	CC	GG	GG	INTRON	101494572	uncharacterized LOC101494572
SNP_14042B_1786596	Ca_Kabuli_Chr04	NC_021163.1	1786596	GG	TT	TT	INTRON	101494572	uncharacterized LOC101494572
SNP_14043B_1786735	Ca_Kabuli_Chr04	NC_021163.1	1786735	GG	AA	AA	INTRON	101494572	uncharacterized LOC101494572
SNP_14044B_1786768	Ca_Kabuli_Chr04	NC_021163.1	1786768	TT	GG	GG	INTRON	101494572	uncharacterized LOC101494572
SNP_14045B_1787958	Ca_Kabuli_Chr04	NC_021163.1	1787958	TT	GG	GG	INTRON	101494572	uncharacterized LOC101494572
SNP_14046B_1789390	Ca_Kabuli_Chr04	NC_021163.1	1789390	TT	CC	CC	INTRON	101494572	uncharacterized LOC101494572
SNP_14047B_1789434	Ca_Kabuli_Chr04	NC_021163.1	1789434	CC	AA	AA	INTRON	101494572	uncharacterized LOC101494572
SNP_14048B_1789448	Ca_Kabuli_Chr04	NC_021163.1	1789448	TT	CC	CC	INTRON	101494572	uncharacterized LOC101494572
SNP_14049B_1789590	Ca_Kabuli_Chr04	NC_021163.1	1789590	TT	GG	GG	INTRON	101494572	uncharacterized LOC101494572
SNP_14050B_1789648	Ca_Kabuli_Chr04	NC_021163.1	1789648	TT	GG	GG	INTRON	101494572	uncharacterized LOC101494572
SNP_14052B_1791871	Ca_Kabuli_Chr04	NC_021163.1	1791871	AA	GG	GG	INTRON	101494572	uncharacterized LOC101494572
SNP_14053B_1791990	Ca_Kabuli_Chr04	NC_021163.1	1791990	AA	GG	GG	INTRON	101494572	uncharacterized LOC101494572
SNP_14054B_1792114	Ca_Kabuli_Chr04	NC_021163.1	1792114	GG	AA	AA	INTRON	101494572	uncharacterized LOC101494572
SNP_14055B_1796273	Ca_Kabuli_Chr04	NC_021163.1	1796273	TT	GG	GG	INTRON	101494572	uncharacterized LOC101494572
SNP_14056B_1800269	Ca_Kabuli_Chr04	NC_021163.1	1800269	AA	GG	GG	INTRON	101494572	uncharacterized LOC101494572
SNP_14057B_1801631	Ca_Kabuli_Chr04	NC_021163.1	1801631	TT	CC	CC	INTRON	101494572	uncharacterized LOC101494572

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_14058B_1801852	Ca_Kabuli_Chr04	NC_021163.1	1801852	GG	TT	TT	INTRON	101494572	uncharacterized LOC101494572
SNP_14060B_1807096	Ca_Kabuli_Chr04	NC_021163.1	1807096	GG	AA	AA	INTRON	101494572	uncharacterized LOC101494572
SNP_14061B_1811136	Ca_Kabuli_Chr04	NC_021163.1	1811136	TT	GG	GG	INTERGENIC		
SNP_14062B_1811419	Ca_Kabuli_Chr04	NC_021163.1	1811419	AA	CC	CC	URR	101494572	uncharacterized LOC101494572
SNP_14063B_1814127	Ca_Kabuli_Chr04	NC_021163.1	1814127	AA	TT	TT	INTERGENIC		
SNP_14064B_1820545	Ca_Kabuli_Chr04	NC_021163.1	1820545	CC	GG	GG	URR	101494888	ETO1-like protein 1
SNP_14065B_1820586	Ca_Kabuli_Chr04	NC_021163.1	1820586	GG	TT	TT	URR	101494888	ETO1-like protein 1
SNP_14066B_1820601	Ca_Kabuli_Chr04	NC_021163.1	1820601	CC	AA	AA	URR	101494888	ETO1-like protein 1
SNP_14067B_1820626	Ca_Kabuli_Chr04	NC_021163.1	1820626	GG	AA	AA	URR	101494888	ETO1-like protein 1
SNP_14068B_1820637	Ca_Kabuli_Chr04	NC_021163.1	1820637	GG	AA	AA	URR	101494888	ETO1-like protein 1
SNP_14069B_1822070	Ca_Kabuli_Chr04	NC_021163.1	1822070	GG	AA	AA	INTERGENIC		
SNP_14070B_1822606	Ca_Kabuli_Chr04	NC_021163.1	1822606	CC	TT	TT	INTERGENIC		
SNP_14071B_1823903	Ca_Kabuli_Chr04	NC_021163.1	1823903	TT	CC	CC	INTERGENIC		
SNP_14072B_1824042	Ca_Kabuli_Chr04	NC_021163.1	1824042	GG	AA	AA	INTERGENIC		
SNP_14073B_1824240	Ca_Kabuli_Chr04	NC_021163.1	1824240	AA	TT	TT	INTERGENIC		
SNP_14074B_1824242	Ca_Kabuli_Chr04	NC_021163.1	1824242	GG	TT	TT	INTERGENIC		
SNP_14075B_1826678	Ca_Kabuli_Chr04	NC_021163.1	1826678	AA	GG	GG	INTERGENIC		
SNP_14076B_1826727	Ca_Kabuli_Chr04	NC_021163.1	1826727	CC	TT	TT	INTERGENIC		
SNP_14077B_1827793	Ca_Kabuli_Chr04	NC_021163.1	1827793	AA	GG	GG	DRR	101495859	BI1-like protein
SNP_14078B_1836457	Ca_Kabuli_Chr04	NC_021163.1	1836457	GG	TT	TT	URR	101496186	uncharacterized LOC101496186
SNP_14079B_1844719	Ca_Kabuli_Chr04	NC_021163.1	1844719	AA	GG	GG	URR	101496515	uncharacterized LOC101496515
SNP_14080B_1848594	Ca_Kabuli_Chr04	NC_021163.1	1848594	CC	TT	TT	URR	101496848	serine/threonine-protein kinase Nek4
SNP_14081B_1848608	Ca_Kabuli_Chr04	NC_021163.1	1848608	CC	GG	GG	URR	101496848	serine/threonine-protein kinase Nek4
SNP_14082B_1848610	Ca_Kabuli_Chr04	NC_021163.1	1848610	TT	CC	CC	URR	101496848	serine/threonine-protein kinase Nek4

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_14083B_1849625	Ca_Kabuli_Chr04	NC_021163.1	1849625	GG	AA	AA	URR	101496848	serine/threonine-protein kinase Nek4
SNP_14084B_1849634	Ca_Kabuli_Chr04	NC_021163.1	1849634	AA	GG	GG	URR	101496848	serine/threonine-protein kinase Nek4
SNP_14085B_1859723	Ca_Kabuli_Chr04	NC_021163.1	1859723	AA	GG	GG	INTERGENIC		
SNP_14086B_1859734	Ca_Kabuli_Chr04	NC_021163.1	1859734	CC	AA	AA	INTERGENIC		
SNP_14088B_1866090	Ca_Kabuli_Chr04	NC_021163.1	1866090	AA	GG	GG	INTERGENIC		
SNP_14089B_1866103	Ca_Kabuli_Chr04	NC_021163.1	1866103	AA	GG	GG	INTERGENIC		
SNP_14090B_1872768	Ca_Kabuli_Chr04	NC_021163.1	1872768	AA	TT	TT	INTERGENIC		
SNP_14091B_1872773	Ca_Kabuli_Chr04	NC_021163.1	1872773	GG	AA	AA	INTERGENIC		
SNP_14094B_2024108	Ca_Kabuli_Chr04	NC_021163.1	2024108	AA	GG	GG	NON_SYNONYMOUS_CODING	101502954	NF-kappa-B-activating protein
SNP_14095B_2024112	Ca_Kabuli_Chr04	NC_021163.1	2024112	GG	AA	AA	SYNONYMOUS_CODING	101502954	NF-kappa-B-activating protein
SNP_14098B_2032225	Ca_Kabuli_Chr04	NC_021163.1	2032225	CC	TT	TT	SYNONYMOUS_CODING	101503280	crooked neck-like protein 1
SNP_14099B_2032243	Ca_Kabuli_Chr04	NC_021163.1	2032243	TT	CC	CC	SYNONYMOUS_CODING	101503280	crooked neck-like protein 1
SNP_14100B_2032252	Ca_Kabuli_Chr04	NC_021163.1	2032252	TT	GG	GG	SYNONYMOUS_CODING	101503280	crooked neck-like protein 1
SNP_14101B_2032329	Ca_Kabuli_Chr04	NC_021163.1	2032329	CC	TT	TT	NON_SYNONYMOUS_CODING	101503280	crooked neck-like protein 1
SNP_14102B_2032396	Ca_Kabuli_Chr04	NC_021163.1	2032396	GG	CC	CC	NON_SYNONYMOUS_CODING	101503280	crooked neck-like protein 1
SNP_14103B_2032416	Ca_Kabuli_Chr04	NC_021163.1	2032416	CC	GG	GG	NON_SYNONYMOUS_CODING	101503280	crooked neck-like protein 1
SNP_14104B_2032449	Ca_Kabuli_Chr04	NC_021163.1	2032449	AA	GG	GG	NON_SYNONYMOUS_CODING	101503280	crooked neck-like protein 1
SNP_14105B_2032480	Ca_Kabuli_Chr04	NC_021163.1	2032480	TT	CC	CC	INTRON	101503280	crooked neck-like protein 1
SNP_14106B_2032481	Ca_Kabuli_Chr04	NC_021163.1	2032481	GG	TT	TT	INTRON	101503280	crooked neck-like protein 1
SNP_14107B_2032510	Ca_Kabuli_Chr04	NC_021163.1	2032510	AA	TT	TT	INTRON	101503280	crooked neck-like protein 1
SNP_14108B_2032529	Ca_Kabuli_Chr04	NC_021163.1	2032529	GG	AA	AA	INTRON	101503280	crooked neck-like protein 1
SNP_14110B_2032567	Ca_Kabuli_Chr04	NC_021163.1	2032567	TT	CC	CC	SYNONYMOUS_CODING	101503280	crooked neck-like protein 1
SNP_14111B_2032582	Ca_Kabuli_Chr04	NC_021163.1	2032582	CC	TT	TT	SYNONYMOUS_CODING	101503280	crooked neck-like protein 1
SNP_14112B_2032636	Ca_Kabuli_Chr04	NC_021163.1	2032636	AA	GG	GG	INTRON	101503280	crooked neck-like protein 1

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_14113B_2032638	Ca_Kabuli_Chr04	NC_021163.1	2032638	TT	AA	AA	INTRON	101503280	crooked neck-like protein 1
SNP_14114B_2032773	Ca_Kabuli_Chr04	NC_021163.1	2032773	AA	TT	TT	INTRON	101503280	crooked neck-like protein 1
SNP_14115B_2032846	Ca_Kabuli_Chr04	NC_021163.1	2032846	AA	GG	GG	INTRON	101503280	crooked neck-like protein 1
SNP_14116B_2032858	Ca_Kabuli_Chr04	NC_021163.1	2032858	AA	GG	GG	INTRON	101503280	crooked neck-like protein 1
SNP_14117B_2034132	Ca_Kabuli_Chr04	NC_021163.1	2034132	GG	AA	AA	INTRON	101503280	crooked neck-like protein 1
SNP_14118B_2034149	Ca_Kabuli_Chr04	NC_021163.1	2034149	TT	CC	CC	INTRON	101503280	crooked neck-like protein 1
SNP_14119B_2034152	Ca_Kabuli_Chr04	NC_021163.1	2034152	TT	CC	CC	INTRON	101503280	crooked neck-like protein 1
SNP_14120B_2034169	Ca_Kabuli_Chr04	NC_021163.1	2034169	TT	CC	CC	INTRON	101503280	crooked neck-like protein 1
SNP_14121B_2034304	Ca_Kabuli_Chr04	NC_021163.1	2034304	GG	AA	AA	NON_SYNONYMOUS_CODING	101503280	crooked neck-like protein 1
SNP_14122B_2034340	Ca_Kabuli_Chr04	NC_021163.1	2034340	AA	CC	CC	NON_SYNONYMOUS_CODING	101503280	crooked neck-like protein 1
SNP_14123B_2034385	Ca_Kabuli_Chr04	NC_021163.1	2034385	CC	AA	AA	INTRON	101503280	crooked neck-like protein 1
SNP_14124B_2034396	Ca_Kabuli_Chr04	NC_021163.1	2034396	GG	AA	AA	INTRON	101503280	crooked neck-like protein 1
SNP_14125B_2034398	Ca_Kabuli_Chr04	NC_021163.1	2034398	TT	CC	CC	INTRON	101503280	crooked neck-like protein 1
SNP_14126B_2034505	Ca_Kabuli_Chr04	NC_021163.1	2034505	GG	AA	AA	SYNONYMOUS_CODING	101503280	crooked neck-like protein 1
SNP_14127B_2034547	Ca_Kabuli_Chr04	NC_021163.1	2034547	GG	AA	AA	SYNONYMOUS_CODING	101503280	crooked neck-like protein 1
SNP_14128B_2034548	Ca_Kabuli_Chr04	NC_021163.1	2034548	TT	CC	CC	NON_SYNONYMOUS_CODING	101503280	crooked neck-like protein 1
SNP_14129B_2034556	Ca_Kabuli_Chr04	NC_021163.1	2034556	GG	AA	AA	SYNONYMOUS_CODING	101503280	crooked neck-like protein 1
SNP_14131B_2034717	Ca_Kabuli_Chr04	NC_021163.1	2034717	GG	CC	CC	INTRON	101503280	crooked neck-like protein 1
SNP_14132B_2034721	Ca_Kabuli_Chr04	NC_021163.1	2034721	GG	AA	AA	INTRON	101503280	crooked neck-like protein 1
SNP_14133B_2034756	Ca_Kabuli_Chr04	NC_021163.1	2034756	AA	GG	GG	INTRON	101503280	crooked neck-like protein 1
SNP_14134B_2034757	Ca_Kabuli_Chr04	NC_021163.1	2034757	AA	CC	CC	INTRON	101503280	crooked neck-like protein 1
SNP_14135B_2034768	Ca_Kabuli_Chr04	NC_021163.1	2034768	GG	AA	AA	INTRON	101503280	crooked neck-like protein 1
SNP_14136B_2034835	Ca_Kabuli_Chr04	NC_021163.1	2034835	GG	CC	CC	INTRON	101503280	crooked neck-like protein 1
SNP_14137B_2034850	Ca_Kabuli_Chr04	NC_021163.1	2034850	TT	CC	CC	INTRON	101503280	crooked neck-like protein 1

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_14138B_2034894	Ca_Kabuli_Chr04	NC_021163.1	2034894	TT	CC	CC	INTRON	101503280	crooked neck-like protein 1
SNP_14139B_2034900	Ca_Kabuli_Chr04	NC_021163.1	2034900	AA	TT	TT	INTRON	101503280	crooked neck-like protein 1
SNP_14140B_2034952	Ca_Kabuli_Chr04	NC_021163.1	2034952	AA	GG	GG	INTRON	101503280	crooked neck-like protein 1
SNP_14141B_2034974	Ca_Kabuli_Chr04	NC_021163.1	2034974	GG	TT	TT	INTRON	101503280	crooked neck-like protein 1
SNP_14142B_2035015	Ca_Kabuli_Chr04	NC_021163.1	2035015	GG	TT	TT	NON_SYNONYMOUS_CODING	101503280	crooked neck-like protein 1
SNP_14143B_2035016	Ca_Kabuli_Chr04	NC_021163.1	2035016	TT	AA	AA	NON_SYNONYMOUS_CODING	101503280	crooked neck-like protein 1
SNP_14144B_2035035	Ca_Kabuli_Chr04	NC_021163.1	2035035	GG	CC	CC	NON_SYNONYMOUS_CODING	101503280	crooked neck-like protein 1
SNP_14145B_2035047	Ca_Kabuli_Chr04	NC_021163.1	2035047	AA	TT	TT	NON_SYNONYMOUS_CODING	101503280	crooked neck-like protein 1
SNP_14146B_2035090	Ca_Kabuli_Chr04	NC_021163.1	2035090	TT	CC	CC	SYNONYMOUS_CODING	101503280	crooked neck-like protein 1
SNP_14147B_2035166	Ca_Kabuli_Chr04	NC_021163.1	2035166	AA	GG	GG	NON_SYNONYMOUS_CODING	101503280	crooked neck-like protein 1
SNP_14148B_2035174	Ca_Kabuli_Chr04	NC_021163.1	2035174	CC	TT	TT	SYNONYMOUS_CODING	101503280	crooked neck-like protein 1
SNP_14150B_2035329	Ca_Kabuli_Chr04	NC_021163.1	2035329	AA	CC	CC	SYNONYMOUS_CODING	101503280	crooked neck-like protein 1
SNP_14151B_2035330	Ca_Kabuli_Chr04	NC_021163.1	2035330	GG	CC	CC	NON_SYNONYMOUS_CODING	101503280	crooked neck-like protein 1
SNP_14152B_2035400	Ca_Kabuli_Chr04	NC_021163.1	2035400	AA	GG	GG	SYNONYMOUS_CODING	101503280	crooked neck-like protein 1
SNP_14153B_2035405	Ca_Kabuli_Chr04	NC_021163.1	2035405	GG	AA	AA	NON_SYNONYMOUS_CODING	101503280	crooked neck-like protein 1
SNP_14154B_2035415	Ca_Kabuli_Chr04	NC_021163.1	2035415	CC	TT	TT	SYNONYMOUS_CODING	101503280	crooked neck-like protein 1
SNP_14155B_2035525	Ca_Kabuli_Chr04	NC_021163.1	2035525	AA	GG	GG	INTRON	101503280	crooked neck-like protein 1
SNP_14156B_2035526	Ca_Kabuli_Chr04	NC_021163.1	2035526	GG	AA	AA	INTRON	101503280	crooked neck-like protein 1
SNP_14157B_2035530	Ca_Kabuli_Chr04	NC_021163.1	2035530	CC	TT	TT	INTRON	101503280	crooked neck-like protein 1
SNP_14158B_2035543	Ca_Kabuli_Chr04	NC_021163.1	2035543	GG	TT	TT	INTRON	101503280	crooked neck-like protein 1
SNP_14159B_2035561	Ca_Kabuli_Chr04	NC_021163.1	2035561	TT	GG	GG	INTRON	101503280	crooked neck-like protein 1
SNP_14160B_2035584	Ca_Kabuli_Chr04	NC_021163.1	2035584	GG	AA	AA	INTRON	101503280	crooked neck-like protein 1
SNP_14161B_2035678	Ca_Kabuli_Chr04	NC_021163.1	2035678	TT	CC	CC	INTRON	101503280	crooked neck-like protein 1
SNP_14162B_2035692	Ca_Kabuli_Chr04	NC_021163.1	2035692	AA	CC	CC	INTRON	101503280	crooked neck-like protein 1

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_14164B_2035720	Ca_Kabuli_Chr04	NC_021163.1	2035720	TT	CC	CC	SYNONYMOUS_CODING	101503280	crooked neck-like protein 1
SNP_14165B_2035757	Ca_Kabuli_Chr04	NC_021163.1	2035757	CC	TT	TT	NON_SYNONYMOUS_CODING	101503280	crooked neck-like protein 1
SNP_14167B_2035841	Ca_Kabuli_Chr04	NC_021163.1	2035841	TT	CC	CC	INTERGENIC		
SNP_14168B_2035894	Ca_Kabuli_Chr04	NC_021163.1	2035894	AA	CC	CC	INTERGENIC		
SNP_14169B_2035921	Ca_Kabuli_Chr04	NC_021163.1	2035921	AA	TT	TT	INTERGENIC		
SNP_14170B_2035923	Ca_Kabuli_Chr04	NC_021163.1	2035923	GG	AA	AA	INTERGENIC		
SNP_14171B_2035930	Ca_Kabuli_Chr04	NC_021163.1	2035930	AA	TT	TT	INTERGENIC		
SNP_14172B_2035955	Ca_Kabuli_Chr04	NC_021163.1	2035955	CC	AA	AA	INTERGENIC		
SNP_14173B_2035979	Ca_Kabuli_Chr04	NC_021163.1	2035979	GG	AA	AA	INTERGENIC		
SNP_14174B_2036101	Ca_Kabuli_Chr04	NC_021163.1	2036101	TT	AA	AA	URR	101503280	crooked neck-like protein 1
SNP_14175B_2050327	Ca_Kabuli_Chr04	NC_021163.1	2050327	TT	CC	CC	INTERGENIC		
SNP_14176B_2130281	Ca_Kabuli_Chr04	NC_021163.1	2130281	AA	GG	GG	INTRON	101506396	mitochondrial Rho GTPase 2-like
SNP_14177B_2208617	Ca_Kabuli_Chr04	NC_021163.1	2208617	AA	TT	TT	URR	101510688	R3H domain-containing protein 4
SNP_14178B_2208625	Ca_Kabuli_Chr04	NC_021163.1	2208625	AA	GG	GG	URR	101510688	R3H domain-containing protein 4
SNP_14179B_2211561	Ca_Kabuli_Chr04	NC_021163.1	2211561	TT	CC	CC	DRR	101507064	transcription factor bHLH83
SNP_14181B_2233917	Ca_Kabuli_Chr04	NC_021163.1	2233917	CC	GG	GG	INTERGENIC		
SNP_14182B_2323431	Ca_Kabuli_Chr04	NC_021163.1	2323431	TT	CC	CC	DRR	101515094	pre-mRNA-processing factor 17
SNP_14183B_2449197	Ca_Kabuli_Chr04	NC_021163.1	2449197	TT	GG	GG	INTRON	101490378	uncharacterized LOC101490378
SNP_14184B_2487345	Ca_Kabuli_Chr04	NC_021163.1	2487345	CC	TT	TT	INTERGENIC		
SNP_14185B_2563223	Ca_Kabuli_Chr04	NC_021163.1	2563223	TT	GG	GG	INTERGENIC		
SNP_14187B_2688220	Ca_Kabuli_Chr04	NC_021163.1	2688220	GG	AA	AA	INTERGENIC		
SNP_14188B_2688270	Ca_Kabuli_Chr04	NC_021163.1	2688270	AA	GG	GG	INTERGENIC		
SNP_14189B_2973525	Ca_Kabuli_Chr04	NC_021163.1	2973525	AA	CC	CC	INTERGENIC		
SNP_14191B_3029425	Ca_Kabuli_Chr04	NC_021163.1	3029425	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_14192B_3355608	Ca_Kabuli_Chr04	NC_021163.1	3355608	CC	TT	TT	INTRON	101510457	magnesium transporter MRS2-2-like
SNP_14193B_3355798	Ca_Kabuli_Chr04	NC_021163.1	3355798	AA	CC	CC	INTRON	101510457	magnesium transporter MRS2-2-like
SNP_14195B_3355854	Ca_Kabuli_Chr04	NC_021163.1	3355854	AA	GG	GG	INTRON	101510457	magnesium transporter MRS2-2-like
SNP_14196B_3355865	Ca_Kabuli_Chr04	NC_021163.1	3355865	GG	CC	CC	INTRON	101510457	magnesium transporter MRS2-2-like
SNP_14197B_3355909	Ca_Kabuli_Chr04	NC_021163.1	3355909	GG	CC	CC	INTRON	101510457	magnesium transporter MRS2-2-like
SNP_14198B_3355921	Ca_Kabuli_Chr04	NC_021163.1	3355921	AA	CC	CC	INTRON	101510457	magnesium transporter MRS2-2-like
SNP_14200B_3392394	Ca_Kabuli_Chr04	NC_021163.1	3392394	TT	AA	AA	URR	101512178	auxin-induced protein 22B-like
SNP_14202B_3780569	Ca_Kabuli_Chr04	NC_021163.1	3780569	GG	AA	AA	INTERGENIC		
SNP_14203B_3794622	Ca_Kabuli_Chr04	NC_021163.1	3794622	TT	CC	CC	URR	101501044	uncharacterized LOC101501044
SNP_14204B_3833261	Ca_Kabuli_Chr04	NC_021163.1	3833261	AA	TT	TT	INTERGENIC		
SNP_14205B_3833279	Ca_Kabuli_Chr04	NC_021163.1	3833279	CC	TT	TT	INTERGENIC		
SNP_14206B_3833283	Ca_Kabuli_Chr04	NC_021163.1	3833283	CC	TT	TT	INTERGENIC		
SNP_14207B_3833300	Ca_Kabuli_Chr04	NC_021163.1	3833300	AA	TT	TT	INTERGENIC		
SNP_14208B_3833365	Ca_Kabuli_Chr04	NC_021163.1	3833365	TT	CC	CC	INTERGENIC		
SNP_14209B_3833433	Ca_Kabuli_Chr04	NC_021163.1	3833433	TT	AA	AA	INTERGENIC		
SNP_14210B_3833637	Ca_Kabuli_Chr04	NC_021163.1	3833637	AA	GG	GG	INTERGENIC		
SNP_14211B_3868479	Ca_Kabuli_Chr04	NC_021163.1	3868479	GG	AA	AA	INTRON	101508215	uncharacterized LOC101508215
SNP_14212B_3869621	Ca_Kabuli_Chr04	NC_021163.1	3869621	AA	CC	CC	INTRON	101508215	uncharacterized LOC101508215
SNP_14213B_3869993	Ca_Kabuli_Chr04	NC_021163.1	3869993	AA	TT	TT	INTRON	101508215	uncharacterized LOC101508215
SNP_14214B_3870683	Ca_Kabuli_Chr04	NC_021163.1	3870683	CC	AA	AA	INTRON	101508215	uncharacterized LOC101508215
SNP_14215B_3871941	Ca_Kabuli_Chr04	NC_021163.1	3871941	CC	AA	AA	INTRON	101508215	uncharacterized LOC101508215
SNP_14216B_3871942	Ca_Kabuli_Chr04	NC_021163.1	3871942	AA	TT	TT	INTRON	101508215	uncharacterized LOC101508215
SNP_14217B_3872059	Ca_Kabuli_Chr04	NC_021163.1	3872059	TT	GG	GG	INTRON	101508215	uncharacterized LOC101508215
SNP_14218B_3872267	Ca_Kabuli_Chr04	NC_021163.1	3872267	TT	AA	AA	INTRON	101508215	uncharacterized LOC101508215

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_14219B_3872325	Ca_Kabuli_Chr04	NC_021163.1	3872325	TT	CC	CC	INTRON	101508215	uncharacterized LOC101508215
SNP_14220B_3872366	Ca_Kabuli_Chr04	NC_021163.1	3872366	AA	GG	GG	INTRON	101508215	uncharacterized LOC101508215
SNP_14221B_3872378	Ca_Kabuli_Chr04	NC_021163.1	3872378	GG	AA	AA	INTRON	101508215	uncharacterized LOC101508215
SNP_14222B_3872555	Ca_Kabuli_Chr04	NC_021163.1	3872555	TT	CC	CC	INTRON	101508215	uncharacterized LOC101508215
SNP_14223B_3872571	Ca_Kabuli_Chr04	NC_021163.1	3872571	TT	AA	AA	INTRON	101508215	uncharacterized LOC101508215
SNP_14224B_3872654	Ca_Kabuli_Chr04	NC_021163.1	3872654	TT	CC	CC	INTRON	101508215	uncharacterized LOC101508215
SNP_14226B_3993248	Ca_Kabuli_Chr04	NC_021163.1	3993248	TT	CC	CC	INTRON	101514012	UPF0426 protein At1g28150, chloroplastic
SNP_14227B_4001908	Ca_Kabuli_Chr04	NC_021163.1	4001908	AA	CC	CC	INTERGENIC		
SNP_14228B_4008179	Ca_Kabuli_Chr04	NC_021163.1	4008179	TT	CC	CC	URR	101515213	uncharacterized LOC101515213
SNP_14231B_4008325	Ca_Kabuli_Chr04	NC_021163.1	4008325	TT	AA	AA	URR	101515213	uncharacterized LOC101515213
SNP_14232B_4008539	Ca_Kabuli_Chr04	NC_021163.1	4008539	AA	GG	GG	URR	101515213	uncharacterized LOC101515213
SNP_14233B_4011302	Ca_Kabuli_Chr04	NC_021163.1	4011302	GG	AA	AA	INTERGENIC		
SNP_14234B_4012694	Ca_Kabuli_Chr04	NC_021163.1	4012694	CC	GG	GG	INTERGENIC		
SNP_14236B_4013680	Ca_Kabuli_Chr04	NC_021163.1	4013680	CC	TT	TT	INTERGENIC		
SNP_14237B_4013698	Ca_Kabuli_Chr04	NC_021163.1	4013698	TT	AA	AA	INTERGENIC		
SNP_14238B_4013699	Ca_Kabuli_Chr04	NC_021163.1	4013699	CC	AA	AA	INTERGENIC		
SNP_14239B_4016579	Ca_Kabuli_Chr04	NC_021163.1	4016579	AA	GG	GG	INTERGENIC		
SNP_14240B_4016585	Ca_Kabuli_Chr04	NC_021163.1	4016585	CC	TT	TT	INTERGENIC		
SNP_14241B_4017727	Ca_Kabuli_Chr04	NC_021163.1	4017727	AA	GG	GG	INTERGENIC		
SNP_14242B_4022919	Ca_Kabuli_Chr04	NC_021163.1	4022919	TT	AA	AA	INTERGENIC		
SNP_14243B_4023904	Ca_Kabuli_Chr04	NC_021163.1	4023904	CC	TT	TT	INTERGENIC		
SNP_14246B_4038906	Ca_Kabuli_Chr04	NC_021163.1	4038906	AA	GG	GG	INTERGENIC		
SNP_14247B_4038970	Ca_Kabuli_Chr04	NC_021163.1	4038970	AA	CC	CC	INTERGENIC		
SNP_14249B_4043454	Ca_Kabuli_Chr04	NC_021163.1	4043454	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_14250B_4043822	Ca_Kabuli_Chr04	NC_021163.1	4043822	TT	AA	AA	INTERGENIC		
SNP_14251B_4044032	Ca_Kabuli_Chr04	NC_021163.1	4044032	CC	TT	TT	INTERGENIC		
SNP_14252B_4045385	Ca_Kabuli_Chr04	NC_021163.1	4045385	AA	TT	TT	INTERGENIC		
SNP_14253B_4054007	Ca_Kabuli_Chr04	NC_021163.1	4054007	TT	CC	CC	INTERGENIC		
SNP_14254B_4055027	Ca_Kabuli_Chr04	NC_021163.1	4055027	AA	TT	TT	INTERGENIC		
SNP_14256B_4068885	Ca_Kabuli_Chr04	NC_021163.1	4068885	AA	GG	GG	INTERGENIC		
SNP_14257B_4085362	Ca_Kabuli_Chr04	NC_021163.1	4085362	TT	CC	CC	INTERGENIC		
SNP_14258B_4085444	Ca_Kabuli_Chr04	NC_021163.1	4085444	AA	GG	GG	INTERGENIC		
SNP_14259B_4092250	Ca_Kabuli_Chr04	NC_021163.1	4092250	CC	TT	TT	INTERGENIC		
SNP_14261B_4092562	Ca_Kabuli_Chr04	NC_021163.1	4092562	AA	CC	CC	INTERGENIC		
SNP_14262B_4097295	Ca_Kabuli_Chr04	NC_021163.1	4097295	CC	TT	TT	INTERGENIC		
SNP_14263B_4109224	Ca_Kabuli_Chr04	NC_021163.1	4109224	TT	GG	GG	INTRON	101491021	serine/threonine-protein kinase BLUS1
SNP_14264B_4111246	Ca_Kabuli_Chr04	NC_021163.1	4111246	TT	CC	CC	INTRON	101491021	serine/threonine-protein kinase BLUS1
SNP_14265B_4113011	Ca_Kabuli_Chr04	NC_021163.1	4113011	CC	GG	GG	SYNONYMOUS_CODING	101491021	serine/threonine-protein kinase BLUS1
SNP_14266B_4116031	Ca_Kabuli_Chr04	NC_021163.1	4116031	AA	TT	TT	URR	101491021	serine/threonine-protein kinase BLUS1
SNP_14267B_4122032	Ca_Kabuli_Chr04	NC_021163.1	4122032	GG	TT	TT	INTERGENIC		
SNP_14268B_4122282	Ca_Kabuli_Chr04	NC_021163.1	4122282	GG	CC	CC	INTERGENIC		
SNP_14269B_4123662	Ca_Kabuli_Chr04	NC_021163.1	4123662	GG	AA	AA	INTERGENIC		
SNP_14270B_4124885	Ca_Kabuli_Chr04	NC_021163.1	4124885	TT	CC	CC	INTERGENIC		
SNP_14271B_4125431	Ca_Kabuli_Chr04	NC_021163.1	4125431	AA	GG	GG	INTERGENIC		
SNP_14272B_4125468	Ca_Kabuli_Chr04	NC_021163.1	4125468	AA	GG	GG	INTERGENIC		
SNP_14273B_4125766	Ca_Kabuli_Chr04	NC_021163.1	4125766	GG	AA	AA	INTERGENIC		
SNP_14274B_4125767	Ca_Kabuli_Chr04	NC_021163.1	4125767	GG	TT	TT	INTERGENIC		
SNP_14275B_4125769	Ca_Kabuli_Chr04	NC_021163.1	4125769	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_14276B_4129597	Ca_Kabuli_Chr04	NC_021163.1	4129597	AA	GG	GG	INTERGENIC		
SNP_14277B_4129623	Ca_Kabuli_Chr04	NC_021163.1	4129623	CC	TT	TT	INTERGENIC		
SNP_14278B_4134773	Ca_Kabuli_Chr04	NC_021163.1	4134773	TT	CC	CC	INTERGENIC		
SNP_14279B_4137035	Ca_Kabuli_Chr04	NC_021163.1	4137035	GG	AA	AA	INTERGENIC		
SNP_14280B_4137079	Ca_Kabuli_Chr04	NC_021163.1	4137079	AA	GG	GG	INTERGENIC		
SNP_14281B_4154295	Ca_Kabuli_Chr04	NC_021163.1	4154295	GG	TT	TT	NON_SYNONYMOUS_CODING	101492185	protein BCCIP homolog
SNP_14284B_4162638	Ca_Kabuli_Chr04	NC_021163.1	4162638	AA	TT	TT	INTERGENIC		
SNP_14285B_4167704	Ca_Kabuli_Chr04	NC_021163.1	4167704	CC	AA	AA	INTERGENIC		
SNP_14286B_4169378	Ca_Kabuli_Chr04	NC_021163.1	4169378	CC	TT	TT	INTERGENIC		
SNP_14287B_4172108	Ca_Kabuli_Chr04	NC_021163.1	4172108	CC	TT	TT	SYNONYMOUS_CODING	101492525	methionine gamma-lyase-like
SNP_14289B_4173941	Ca_Kabuli_Chr04	NC_021163.1	4173941	GG	AA	AA	INTRON	101492525	methionine gamma-lyase-like
SNP_14290B_4174115	Ca_Kabuli_Chr04	NC_021163.1	4174115	AA	GG	GG	INTRON	101492525	methionine gamma-lyase-like
SNP_14291B_4174413	Ca_Kabuli_Chr04	NC_021163.1	4174413	AA	TT	TT	INTRON	101492525	methionine gamma-lyase-like
SNP_14292B_4175922	Ca_Kabuli_Chr04	NC_021163.1	4175922	CC	TT	TT	INTRON	101492525	methionine gamma-lyase-like
SNP_14293B_4179627	Ca_Kabuli_Chr04	NC_021163.1	4179627	CC	TT	TT	URR	101492525	methionine gamma-lyase-like
SNP_14294B_4179992	Ca_Kabuli_Chr04	NC_021163.1	4179992	AA	CC	CC	INTERGENIC		
SNP_14295B_4187838	Ca_Kabuli_Chr04	NC_021163.1	4187838	TT	GG	GG	INTERGENIC		
SNP_14296B_4189623	Ca_Kabuli_Chr04	NC_021163.1	4189623	TT	CC	CC	INTERGENIC		
SNP_14297B_4189628	Ca_Kabuli_Chr04	NC_021163.1	4189628	GG	TT	TT	INTERGENIC		
SNP_14298B_4196237	Ca_Kabuli_Chr04	NC_021163.1	4196237	CC	TT	TT	INTRON	101492854	uncharacterized LOC101492854
SNP_14300B_4197146	Ca_Kabuli_Chr04	NC_021163.1	4197146	AA	TT	TT	INTRON	101492854	uncharacterized LOC101492854
SNP_14301B_4199531	Ca_Kabuli_Chr04	NC_021163.1	4199531	AA	GG	GG	URR	101492854	uncharacterized LOC101492854
SNP_14302B_4241908	Ca_Kabuli_Chr04	NC_021163.1	4241908	GG	AA	AA	URR	101494573	granule-bound starch synthase 1, chloroplastic/amyloplastic-like
SNP_14306B_4283781	Ca_Kabuli_Chr04	NC_021163.1	4283781	AA	GG	GG	INTRON	101497390	putative lysine-specific demethylase JMJ16

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_14307B_4312360	Ca_Kabuli_Chr04	NC_021163.1	4312360	TT	GG	GG	INTERGENIC		
SNP_14308B_4380203	Ca_Kabuli_Chr04	NC_021163.1	4380203	CC	TT	TT	URR	101501273	uncharacterized LOC101501273
SNP_14309B_4383266	Ca_Kabuli_Chr04	NC_021163.1	4383266	AA	GG	GG	INTERGENIC		
SNP_14310B_4383288	Ca_Kabuli_Chr04	NC_021163.1	4383288	AA	GG	GG	INTERGENIC		
SNP_14311B_4429522	Ca_Kabuli_Chr04	NC_021163.1	4429522	TT	CC	CC	DRR	101503833	putative F-box protein PP2-B12
SNP_14312B_4432420	Ca_Kabuli_Chr04	NC_021163.1	4432420	AA	TT	TT	URR	101503833	putative F-box protein PP2-B12
SNP_14313B_4432421	Ca_Kabuli_Chr04	NC_021163.1	4432421	AA	GG	GG	URR	101503833	putative F-box protein PP2-B12
SNP_14314B_4432617	Ca_Kabuli_Chr04	NC_021163.1	4432617	GG	CC	CC	URR	101503833	putative F-box protein PP2-B12
SNP_14315B_4463840	Ca_Kabuli_Chr04	NC_021163.1	4463840	GG	AA	AA	URR	101505429	U11/U12 small nuclear ribonucleoprotein 48 kDa protein
SNP_14316B_4463893	Ca_Kabuli_Chr04	NC_021163.1	4463893	TT	AA	AA	URR	101505429	U11/U12 small nuclear ribonucleoprotein 48 kDa protein
SNP_14317B_4463894	Ca_Kabuli_Chr04	NC_021163.1	4463894	TT	AA	AA	URR	101505429	U11/U12 small nuclear ribonucleoprotein 48 kDa protein
SNP_14318B_4468394	Ca_Kabuli_Chr04	NC_021163.1	4468394	CC	TT	TT	INTRON	101506182	probable UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase SEC
SNP_14319B_4483070	Ca_Kabuli_Chr04	NC_021163.1	4483070	TT	CC	CC	INTRON	101507066	uncharacterized LOC101507066
SNP_14320B_4483071	Ca_Kabuli_Chr04	NC_021163.1	4483071	GG	TT	TT	INTRON	101507066	uncharacterized LOC101507066
SNP_14321B_4483075	Ca_Kabuli_Chr04	NC_021163.1	4483075	AA	TT	TT	INTRON	101507066	uncharacterized LOC101507066
SNP_14324B_4487474	Ca_Kabuli_Chr04	NC_021163.1	4487474	TT	AA	AA	INTRON	101507066	uncharacterized LOC101507066
SNP_14326B_4491409	Ca_Kabuli_Chr04	NC_021163.1	4491409	GG	TT	TT	INTERGENIC		
SNP_14327B_4498190	Ca_Kabuli_Chr04	NC_021163.1	4498190	CC	TT	TT	INTERGENIC		
SNP_14328B_4498199	Ca_Kabuli_Chr04	NC_021163.1	4498199	GG	AA	AA	INTERGENIC		
SNP_14329B_4500456	Ca_Kabuli_Chr04	NC_021163.1	4500456	GG	AA	AA	URR	101507066	uncharacterized LOC101507066
SNP_14330B_4500469	Ca_Kabuli_Chr04	NC_021163.1	4500469	TT	GG	GG	URR	101507066	uncharacterized LOC101507066
SNP_14331B_4501445	Ca_Kabuli_Chr04	NC_021163.1	4501445	GG	TT	TT	DRR	101507386	GDSL esterase/lipase At5g33370-like
SNP_14332B_4503891	Ca_Kabuli_Chr04	NC_021163.1	4503891	TT	CC	CC	INTRON	101507386	GDSL esterase/lipase At5g33370-like
SNP_14333B_4506674	Ca_Kabuli_Chr04	NC_021163.1	4506674	CC	GG	GG	URR	101507386	GDSL esterase/lipase At5g33370-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_14334B_4506698	Ca_Kabuli_Chr04	NC_021163.1	4506698	CC	AA	AA	URR	101507386	GDSL esterase/lipase At5g33370-like
SNP_14336B_4507759	Ca_Kabuli_Chr04	NC_021163.1	4507759	TT	CC	CC	INTERGENIC		
SNP_14337B_4508056	Ca_Kabuli_Chr04	NC_021163.1	4508056	TT	CC	CC	INTERGENIC		
SNP_14338B_4508075	Ca_Kabuli_Chr04	NC_021163.1	4508075	CC	GG	GG	INTERGENIC		
SNP_14339B_4508094	Ca_Kabuli_Chr04	NC_021163.1	4508094	CC	TT	TT	INTERGENIC		
SNP_14340B_4516766	Ca_Kabuli_Chr04	NC_021163.1	4516766	AA	GG	GG	INTERGENIC		
SNP_14341B_4516777	Ca_Kabuli_Chr04	NC_021163.1	4516777	AA	GG	GG	INTERGENIC		
SNP_14342B_4516781	Ca_Kabuli_Chr04	NC_021163.1	4516781	AA	GG	GG	INTERGENIC		
SNP_14346B_4521130	Ca_Kabuli_Chr04	NC_021163.1	4521130	CC	TT	TT	INTERGENIC		
SNP_14348B_4522418	Ca_Kabuli_Chr04	NC_021163.1	4522418	GG	AA	AA	INTERGENIC		
SNP_14349B_4522430	Ca_Kabuli_Chr04	NC_021163.1	4522430	GG	TT	TT	INTERGENIC		
SNP_14350B_4527391	Ca_Kabuli_Chr04	NC_021163.1	4527391	AA	TT	TT	DRR	101507695	uncharacterized LOC101507695
SNP_14352B_4538198	Ca_Kabuli_Chr04	NC_021163.1	4538198	AA	CC	CC	INTRON	101510142	uncharacterized LOC101510142
SNP_14354B_4538255	Ca_Kabuli_Chr04	NC_021163.1	4538255	GG	AA	AA	INTRON	101510142	uncharacterized LOC101510142
SNP_14355B_4540658	Ca_Kabuli_Chr04	NC_021163.1	4540658	CC	AA	AA	INTRON	101510142	uncharacterized LOC101510142
SNP_14356B_4545150	Ca_Kabuli_Chr04	NC_021163.1	4545150	CC	TT	TT	INTRON	101510142	uncharacterized LOC101510142
SNP_14357B_4545160	Ca_Kabuli_Chr04	NC_021163.1	4545160	GG	CC	CC	INTRON	101510142	uncharacterized LOC101510142
SNP_14359B_4549954	Ca_Kabuli_Chr04	NC_021163.1	4549954	AA	CC	CC	INTRON	101510142	uncharacterized LOC101510142
SNP_14360B_4549958	Ca_Kabuli_Chr04	NC_021163.1	4549958	CC	TT	TT	INTRON	101510142	uncharacterized LOC101510142
SNP_14361B_4560397	Ca_Kabuli_Chr04	NC_021163.1	4560397	TT	CC	CC	INTRON	101508024	vacuolar protein sorting-associated protein 52 A
SNP_14362B_4563977	Ca_Kabuli_Chr04	NC_021163.1	4563977	CC	TT	TT	INTRON	101508024	vacuolar protein sorting-associated protein 52 A
SNP_14363B_4582378	Ca_Kabuli_Chr04	NC_021163.1	4582378	CC	GG	GG	DRR	101508966	methyltransferase-like protein 6
SNP_14364B_4586320	Ca_Kabuli_Chr04	NC_021163.1	4586320	GG	TT	TT	INTERGENIC		
SNP_14365B_4586512	Ca_Kabuli_Chr04	NC_021163.1	4586512	TT	AA	AA	URR	101508966	methyltransferase-like protein 6

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_14366B_4586563	Ca_Kabuli_Chr04	NC_021163.1	4586563	CC	TT	TT	URR	101508966	methyltransferase-like protein 6
SNP_14367B_4586661	Ca_Kabuli_Chr04	NC_021163.1	4586661	AA	GG	GG	URR	101508966	methyltransferase-like protein 6
SNP_14368B_4587900	Ca_Kabuli_Chr04	NC_021163.1	4587900	TT	GG	GG	URR	101508966	methyltransferase-like protein 6
SNP_14369B_4588721	Ca_Kabuli_Chr04	NC_021163.1	4588721	GG	AA	AA	INTERGENIC		
SNP_14371B_4592726	Ca_Kabuli_Chr04	NC_021163.1	4592726	AA	GG	GG	DRR	101509280	AT-hook motif nuclear-localized protein 19
SNP_14372B_4592740	Ca_Kabuli_Chr04	NC_021163.1	4592740	AA	GG	GG	DRR	101509280	AT-hook motif nuclear-localized protein 19
SNP_14375B_4602558	Ca_Kabuli_Chr04	NC_021163.1	4602558	GG	AA	AA	INTERGENIC		
SNP_14376B_4631588	Ca_Kabuli_Chr04	NC_021163.1	4631588	AA	TT	TT	NON_SYNONYMOUS_CODING	101510903	uncharacterized LOC101510903
SNP_14377B_4654170	Ca_Kabuli_Chr04	NC_021163.1	4654170	AA	TT	TT	INTERGENIC		
SNP_14379B_4823996	Ca_Kabuli_Chr04	NC_021163.1	4823996	CC	TT	TT	INTERGENIC		
SNP_14380B_4825370	Ca_Kabuli_Chr04	NC_021163.1	4825370	CC	TT	TT	DRR	101490267	leucine-rich repeat receptor-like protein kinase PXL1
SNP_14381B_4830050	Ca_Kabuli_Chr04	NC_021163.1	4830050	GG	AA	AA	URR	101490267	leucine-rich repeat receptor-like protein kinase PXL1
SNP_14383B_4830330	Ca_Kabuli_Chr04	NC_021163.1	4830330	GG	AA	AA	URR	101490267	leucine-rich repeat receptor-like protein kinase PXL1
SNP_14384B_4839572	Ca_Kabuli_Chr04	NC_021163.1	4839572	TT	AA	AA	INTERGENIC		
SNP_14385B_4839797	Ca_Kabuli_Chr04	NC_021163.1	4839797	GG	TT	TT	INTERGENIC		
SNP_14386B_4839799	Ca_Kabuli_Chr04	NC_021163.1	4839799	GG	CC	CC	INTERGENIC		
SNP_14387B_4847642	Ca_Kabuli_Chr04	NC_021163.1	4847642	CC	TT	TT	URR	101490585	inositol phosphorylceramide glucuronosyltransferase 1-like
SNP_14388B_4847751	Ca_Kabuli_Chr04	NC_021163.1	4847751	AA	GG	GG	URR	101490585	inositol phosphorylceramide glucuronosyltransferase 1-like
SNP_14389B_4847752	Ca_Kabuli_Chr04	NC_021163.1	4847752	AA	GG	GG	URR	101490585	inositol phosphorylceramide glucuronosyltransferase 1-like
SNP_14390B_4847753	Ca_Kabuli_Chr04	NC_021163.1	4847753	TT	CC	CC	URR	101490585	inositol phosphorylceramide glucuronosyltransferase 1-like
SNP_14391B_4847754	Ca_Kabuli_Chr04	NC_021163.1	4847754	CC	TT	TT	URR	101490585	inositol phosphorylceramide glucuronosyltransferase 1-like
SNP_14392B_4847766	Ca_Kabuli_Chr04	NC_021163.1	4847766	CC	TT	TT	URR	101490585	inositol phosphorylceramide glucuronosyltransferase 1-like
SNP_14393B_4847944	Ca_Kabuli_Chr04	NC_021163.1	4847944	TT	CC	CC	URR	101490585	inositol phosphorylceramide glucuronosyltransferase 1-like
SNP_14394B_4849747	Ca_Kabuli_Chr04	NC_021163.1	4849747	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_14395B_4849751	Ca_Kabuli_Chr04	NC_021163.1	4849751	AA	CC	CC	INTERGENIC		
SNP_14396B_4850527	Ca_Kabuli_Chr04	NC_021163.1	4850527	CC	TT	TT	INTERGENIC		
SNP_14397B_4850818	Ca_Kabuli_Chr04	NC_021163.1	4850818	CC	AA	AA	INTERGENIC		
SNP_14399B_4854841	Ca_Kabuli_Chr04	NC_021163.1	4854841	AA	GG	GG	DRR	101490905	probable aminopyrimidine aminohydrolase, mitochondrial
SNP_14401B_4859175	Ca_Kabuli_Chr04	NC_021163.1	4859175	GG	TT	TT	INTRON	101490905	probable aminopyrimidine aminohydrolase, mitochondrial
SNP_14403B_4867563	Ca_Kabuli_Chr04	NC_021163.1	4867563	GG	TT	TT	DRR	101491851	myosin-9-like
SNP_14404B_4872092	Ca_Kabuli_Chr04	NC_021163.1	4872092	TT	AA	AA	INTERGENIC		
SNP_14405B_4872102	Ca_Kabuli_Chr04	NC_021163.1	4872102	GG	TT	TT	INTERGENIC		
SNP_14406B_4873639	Ca_Kabuli_Chr04	NC_021163.1	4873639	GG	AA	AA	INTERGENIC		
SNP_14408B_4884358	Ca_Kabuli_Chr04	NC_021163.1	4884358	GG	TT	TT	INTRON	101491333	myosin-11-like
SNP_14409B_4884396	Ca_Kabuli_Chr04	NC_021163.1	4884396	CC	TT	TT	INTRON	101491333	myosin-11-like
SNP_14410B_4884551	Ca_Kabuli_Chr04	NC_021163.1	4884551	TT	CC	CC	INTRON	101491333	myosin-11-like
SNP_14411B_4888215	Ca_Kabuli_Chr04	NC_021163.1	4888215	AA	GG	GG	INTRON	101491333	myosin-11-like
SNP_14412B_4888336	Ca_Kabuli_Chr04	NC_021163.1	4888336	AA	GG	GG	INTRON	101491333	myosin-11-like
SNP_14413B_4889299	Ca_Kabuli_Chr04	NC_021163.1	4889299	CC	TT	TT	INTRON	101491333	myosin-11-like
SNP_14416B_4893230	Ca_Kabuli_Chr04	NC_021163.1	4893230	CC	GG	GG	INTERGENIC		
SNP_14417B_4896874	Ca_Kabuli_Chr04	NC_021163.1	4896874	TT	CC	CC	INTRON	101492187	GRF1-interacting factor 1
SNP_14418B_4899671	Ca_Kabuli_Chr04	NC_021163.1	4899671	AA	CC	CC	URR	101492187	GRF1-interacting factor 1
SNP_14419B_4901484	Ca_Kabuli_Chr04	NC_021163.1	4901484	GG	AA	AA	INTERGENIC		
SNP_14420B_4902849	Ca_Kabuli_Chr04	NC_021163.1	4902849	TT	GG	GG	INTERGENIC		
SNP_14421B_4906171	Ca_Kabuli_Chr04	NC_021163.1	4906171	GG	AA	AA	INTERGENIC		
SNP_14422B_4906250	Ca_Kabuli_Chr04	NC_021163.1	4906250	TT	CC	CC	INTERGENIC		
SNP_14424B_4909007	Ca_Kabuli_Chr04	NC_021163.1	4909007	AA	GG	GG	DRR	101492527	phosphoribosylaminoimidazole carboxylase, chloroplastic
SNP_14425B_4909115	Ca_Kabuli_Chr04	NC_021163.1	4909115	GG	AA	AA	DRR	101492527	phosphoribosylaminoimidazole carboxylase, chloroplastic

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_14426B_4909163	Ca_Kabuli_Chr04	NC_021163.1	4909163	CC	TT	TT	DRR	101492527	phosphoribosylaminoimidazole carboxylase, chloroplastic
SNP_14427B_4909359	Ca_Kabuli_Chr04	NC_021163.1	4909359	CC	TT	TT	DRR	101492527	phosphoribosylaminoimidazole carboxylase, chloroplastic
SNP_14428B_4910767	Ca_Kabuli_Chr04	NC_021163.1	4910767	AA	CC	CC	INTRON	101492527	phosphoribosylaminoimidazole carboxylase, chloroplastic
SNP_14429B_4910817	Ca_Kabuli_Chr04	NC_021163.1	4910817	AA	TT	TT	INTRON	101492527	phosphoribosylaminoimidazole carboxylase, chloroplastic
SNP_14430B_4913038	Ca_Kabuli_Chr04	NC_021163.1	4913038	AA	GG	GG	INTRON	101492527	phosphoribosylaminoimidazole carboxylase, chloroplastic
SNP_14431B_4913215	Ca_Kabuli_Chr04	NC_021163.1	4913215	CC	TT	TT	SYNONYMOUS_CODING	101492527	phosphoribosylaminoimidazole carboxylase, chloroplastic
SNP_14432B_4913466	Ca_Kabuli_Chr04	NC_021163.1	4913466	TT	GG	GG	INTRON	101492527	phosphoribosylaminoimidazole carboxylase, chloroplastic
SNP_14433B_4917767	Ca_Kabuli_Chr04	NC_021163.1	4917767	CC	TT	TT	DRR	101492855	uncharacterized LOC101492855
SNP_14434B_4917920	Ca_Kabuli_Chr04	NC_021163.1	4917920	GG	AA	AA	DRR	101492855	uncharacterized LOC101492855
SNP_14435B_4917965	Ca_Kabuli_Chr04	NC_021163.1	4917965	CC	TT	TT	DRR	101492855	uncharacterized LOC101492855
SNP_14436B_4917972	Ca_Kabuli_Chr04	NC_021163.1	4917972	AA	GG	GG	DRR	101492855	uncharacterized LOC101492855
SNP_14437B_4924486	Ca_Kabuli_Chr04	NC_021163.1	4924486	AA	GG	GG	INTERGENIC		
SNP_14438B_4924489	Ca_Kabuli_Chr04	NC_021163.1	4924489	AA	TT	TT	INTERGENIC		
SNP_14439B_4924969	Ca_Kabuli_Chr04	NC_021163.1	4924969	TT	CC	CC	INTERGENIC		
SNP_14440B_4925061	Ca_Kabuli_Chr04	NC_021163.1	4925061	TT	AA	AA	DRR	101494266	uncharacterized LOC101494266
SNP_14441B_4925276	Ca_Kabuli_Chr04	NC_021163.1	4925276	AA	GG	GG	DRR	101494266	uncharacterized LOC101494266
SNP_14442B_4925301	Ca_Kabuli_Chr04	NC_021163.1	4925301	CC	TT	TT	DRR	101494266	uncharacterized LOC101494266
SNP_14443B_4925367	Ca_Kabuli_Chr04	NC_021163.1	4925367	AA	TT	TT	DRR	101494266	uncharacterized LOC101494266
SNP_14444B_4925396	Ca_Kabuli_Chr04	NC_021163.1	4925396	GG	CC	CC	DRR	101494266	uncharacterized LOC101494266
SNP_14445B_4929579	Ca_Kabuli_Chr04	NC_021163.1	4929579	CC	AA	AA	DRR	101494574	uncharacterized protein At2g34160-like
SNP_14446B_4933687	Ca_Kabuli_Chr04	NC_021163.1	4933687	AA	TT	TT	INTERGENIC		
SNP_14447B_4933707	Ca_Kabuli_Chr04	NC_021163.1	4933707	GG	AA	AA	INTERGENIC		
SNP_14448B_4955931	Ca_Kabuli_Chr04	NC_021163.1	4955931	GG	AA	AA	URR	101495437	histone H1-like
SNP_14449B_4956385	Ca_Kabuli_Chr04	NC_021163.1	4956385	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_14451B_5045789	Ca_Kabuli_Chr04	NC_021163.1	5045789	AA	GG	GG	INTERGENIC		
SNP_14452B_5483700	Ca_Kabuli_Chr04	NC_021163.1	5483700	TT	CC	CC	INTRON	101499251	pathogenesis-related protein PR-4
SNP_14453B_5483811	Ca_Kabuli_Chr04	NC_021163.1	5483811	AA	GG	GG	INTRON	101499251	pathogenesis-related protein PR-4
SNP_14454B_5484956	Ca_Kabuli_Chr04	NC_021163.1	5484956	AA	GG	GG	INTRON	101499251	pathogenesis-related protein PR-4
SNP_14455B_5562602	Ca_Kabuli_Chr04	NC_021163.1	5562602	CC	TT	TT	URR	101507584	uncharacterized protein DDB_G0283357
SNP_14456B_5616944	Ca_Kabuli_Chr04	NC_021163.1	5616944	CC	AA	AA	INTERGENIC		
SNP_14457B_5828635	Ca_Kabuli_Chr04	NC_021163.1	5828635	TT	AA	AA	URR	101410591	transfer RNA glutamic acid (anticodon UUC)
SNP_14458B_5849232	Ca_Kabuli_Chr04	NC_021163.1	5849232	GG	AA	AA	DRR	101496304	uncharacterized LOC101496304
SNP_14460B_5925667	Ca_Kabuli_Chr04	NC_021163.1	5925667	GG	TT	TT	INTERGENIC		
SNP_14461B_5941209	Ca_Kabuli_Chr04	NC_021163.1	5941209	CC	TT	TT	INTERGENIC		
SNP_14462B_5951563	Ca_Kabuli_Chr04	NC_021163.1	5951563	TT	CC	CC	URR	101491656	glycine-rich domain-containing protein 2
SNP_14463B_6013383	Ca_Kabuli_Chr04	NC_021163.1	6013383	TT	CC	CC	DRR	101489611	single-stranded DNA-binding protein, mitochondrial
SNP_14464B_6028077	Ca_Kabuli_Chr04	NC_021163.1	6028077	TT	CC	CC	INTERGENIC		
SNP_14465B_6050270	Ca_Kabuli_Chr04	NC_021163.1	6050270	TT	CC	CC	URR	101515420	syntaxin-43
SNP_14466B_6050273	Ca_Kabuli_Chr04	NC_021163.1	6050273	AA	TT	TT	URR	101515420	syntaxin-43
SNP_14467B_6050283	Ca_Kabuli_Chr04	NC_021163.1	6050283	TT	GG	GG	URR	101515420	syntaxin-43
SNP_14468B_6123584	Ca_Kabuli_Chr04	NC_021163.1	6123584	GG	AA	AA	INTERGENIC		
SNP_14469B_6145007	Ca_Kabuli_Chr04	NC_021163.1	6145007	TT	AA	AA	URR	101510904	uncharacterized LOC101510904
SNP_14470B_6198586	Ca_Kabuli_Chr04	NC_021163.1	6198586	TT	CC	CC	URR	101508441	uncharacterized LOC101508441
SNP_14472B_6212288	Ca_Kabuli_Chr04	NC_021163.1	6212288	TT	CC	CC	INTRON	101488738	Unknown function
SNP_14473B_6212294	Ca_Kabuli_Chr04	NC_021163.1	6212294	CC	AA	AA	INTRON	101488738	Unknown function
SNP_14474B_6219492	Ca_Kabuli_Chr04	NC_021163.1	6219492	TT	CC	CC	INTERGENIC		
SNP_14475B_6313722	Ca_Kabuli_Chr04	NC_021163.1	6313722	CC	TT	TT	DRR	101503178	Golgi apparatus membrane protein-like protein ECHIDNA
SNP_14476B_6322346	Ca_Kabuli_Chr04	NC_021163.1	6322346	GG	AA	AA	INTERGENIC		

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SNP_14478B_6418115	Ca_Kabuli_Chr04	NC_021163.1	6418115	CC	TT	TT	INTERGENIC		
SNP_14479B_6455795	Ca_Kabuli_Chr04	NC_021163.1	6455795	GG	AA	AA	DRR	101500096	uncharacterized LOC101500096
SNP_14480B_6480208	Ca_Kabuli_Chr04	NC_021163.1	6480208	TT	GG	GG	INTERGENIC		
SNP_14481B_6480209	Ca_Kabuli_Chr04	NC_021163.1	6480209	TT	AA	AA	INTERGENIC		
SNP_14483B_6620114	Ca_Kabuli_Chr04	NC_021163.1	6620114	TT	CC	CC	INTERGENIC		
SNP_14484B_6795373	Ca_Kabuli_Chr04	NC_021163.1	6795373	AA	TT	TT	INTRON	101514124	cytochrome P450 734A1-like
SNP_14485B_6822700	Ca_Kabuli_Chr04	NC_021163.1	6822700	TT	AA	AA	DRR	101515421	protein S-acyltransferase 18
SNP_14486B_6901597	Ca_Kabuli_Chr04	NC_021163.1	6901597	TT	CC	CC	INTERGENIC		
SNP_14488B_6907263	Ca_Kabuli_Chr04	NC_021163.1	6907263	AA	TT	TT	INTERGENIC		
SNP_14489B_6907267	Ca_Kabuli_Chr04	NC_021163.1	6907267	CC	TT	TT	INTERGENIC		
SNP_14490B_6907299	Ca_Kabuli_Chr04	NC_021163.1	6907299	AA	GG	GG	INTERGENIC		
SNP_14491B_6913088	Ca_Kabuli_Chr04	NC_021163.1	6913088	TT	AA	AA	DRR	101492418	squamosa promoter-binding-like protein 1
SNP_14492B_6975779	Ca_Kabuli_Chr04	NC_021163.1	6975779	CC	AA	AA	URR	101495110	protein NIM1-INTERACTING 1-like
SNP_14494B_7106487	Ca_Kabuli_Chr04	NC_021163.1	7106487	TT	GG	GG	URR	101493303	uncharacterized protein At5g06450-like
SNP_14495B_7108099	Ca_Kabuli_Chr04	NC_021163.1	7108099	TT	GG	GG	DRR	101493625	Unknown function
SNP_14496B_7110486	Ca_Kabuli_Chr04	NC_021163.1	7110486	GG	AA	AA	URR	101493625	Unknown function
SNP_14497B_7128635	Ca_Kabuli_Chr04	NC_021163.1	7128635	GG	AA	AA	INTERGENIC		
SNP_14498B_7128962	Ca_Kabuli_Chr04	NC_021163.1	7128962	AA	CC	CC	INTERGENIC		
SNP_14500B_7272521	Ca_Kabuli_Chr04	NC_021163.1	7272521	TT	CC	CC	INTERGENIC		
SNP_14501B_7323477	Ca_Kabuli_Chr04	NC_021163.1	7323477	CC	TT	TT	INTERGENIC		
SNP_14503B_7440765	Ca_Kabuli_Chr04	NC_021163.1	7440765	GG	AA	AA	INTERGENIC		
SNP_14504B_7579920	Ca_Kabuli_Chr04	NC_021163.1	7579920	GG	AA	AA	URR	101495536	extensin-2-like
SNP_14505B_7638088	Ca_Kabuli_Chr04	NC_021163.1	7638088	CC	AA	AA	SYNONYMOUS_CODING	101496194	Unknown function
SNP_14506B_7638091	Ca_Kabuli_Chr04	NC_021163.1	7638091	CC	AA	AA	SYNONYMOUS_CODING	101496194	Unknown function

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SNP_14507B_7638100	Ca_Kabuli_Chr04	NC_021163.1	7638100	AA	GG	GG	SYNONYMOUS_CODING	101496194	Unknown function
SNP_14508B_7638110	Ca_Kabuli_Chr04	NC_021163.1	7638110	GG	AA	AA	NON_SYNONYMOUS_CODING	101496194	Unknown function
SNP_14509B_7638134	Ca_Kabuli_Chr04	NC_021163.1	7638134	CC	TT	TT	STOP_GAINED	101496194	Unknown function
SNP_14510B_7638308	Ca_Kabuli_Chr04	NC_021163.1	7638308	GG	TT	TT	NON_SYNONYMOUS_CODING	101496194	Unknown function
SNP_14511B_7733801	Ca_Kabuli_Chr04	NC_021163.1	7733801	CC	TT	TT	INTERGENIC		
SNP_14513B_7826813	Ca_Kabuli_Chr04	NC_021163.1	7826813	CC	TT	TT	DRR	101494993	hydroxyisourate hydrolase
SNP_14516B_8029195	Ca_Kabuli_Chr04	NC_021163.1	8029195	TT	AA	AA	URR	101503837	protein TRANSPORT INHIBITOR RESPONSE 1
SNP_14518B_8167215	Ca_Kabuli_Chr04	NC_021163.1	8167215	CC	AA	AA	URR	101501795	gibberellin receptor GID1B-like
SNP_14520B_8167279	Ca_Kabuli_Chr04	NC_021163.1	8167279	TT	GG	GG	URR	101501795	gibberellin receptor GID1B-like
SNP_14522B_8167643	Ca_Kabuli_Chr04	NC_021163.1	8167643	TT	CC	CC	URR	101501795	gibberellin receptor GID1B-like
SNP_14523B_8169561	Ca_Kabuli_Chr04	NC_021163.1	8169561	GG	CC	CC	INTERGENIC		
SNP_14525B_8170050	Ca_Kabuli_Chr04	NC_021163.1	8170050	TT	AA	AA	INTERGENIC		
SNP_14526B_8170391	Ca_Kabuli_Chr04	NC_021163.1	8170391	CC	TT	TT	INTERGENIC		
SNP_14527B_8170400	Ca_Kabuli_Chr04	NC_021163.1	8170400	TT	CC	CC	INTERGENIC		
SNP_14529B_8170695	Ca_Kabuli_Chr04	NC_021163.1	8170695	CC	GG	GG	INTERGENIC		
SNP_14530B_8170794	Ca_Kabuli_Chr04	NC_021163.1	8170794	CC	TT	TT	INTERGENIC		
SNP_14531B_8170799	Ca_Kabuli_Chr04	NC_021163.1	8170799	TT	AA	AA	INTERGENIC		
SNP_14532B_8171166	Ca_Kabuli_Chr04	NC_021163.1	8171166	AA	GG	GG	INTERGENIC		
SNP_14535B_8176091	Ca_Kabuli_Chr04	NC_021163.1	8176091	GG	CC	CC	INTERGENIC		
SNP_14536B_8176092	Ca_Kabuli_Chr04	NC_021163.1	8176092	GG	CC	CC	INTERGENIC		
SNP_14537B_8176459	Ca_Kabuli_Chr04	NC_021163.1	8176459	CC	TT	TT	INTERGENIC		
SNP_14538B_8176501	Ca_Kabuli_Chr04	NC_021163.1	8176501	GG	AA	AA	INTERGENIC		
SNP_14539B_8176518	Ca_Kabuli_Chr04	NC_021163.1	8176518	TT	CC	CC	INTERGENIC		
SNP_14540B_8177624	Ca_Kabuli_Chr04	NC_021163.1	8177624	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_14541B_8178235	Ca_Kabuli_Chr04	NC_021163.1	8178235	GG	TT	TT	INTERGENIC		
SNP_14542B_8182707	Ca_Kabuli_Chr04	NC_021163.1	8182707	CC	TT	TT	URR	101502440	LRR receptor-like serine/threonine-protein kinase ERL1
SNP_14543B_8185146	Ca_Kabuli_Chr04	NC_021163.1	8185146	CC	TT	TT	INTERGENIC		
SNP_14544B_8185853	Ca_Kabuli_Chr04	NC_021163.1	8185853	GG	AA	AA	DRR	101502743	histidine-containing phosphotransfer protein 1-like
SNP_14545B_8186279	Ca_Kabuli_Chr04	NC_021163.1	8186279	GG	AA	AA	DRR	101502743	histidine-containing phosphotransfer protein 1-like
SNP_14546B_8189416	Ca_Kabuli_Chr04	NC_021163.1	8189416	TT	CC	CC	INTERGENIC		
SNP_14547B_8191224	Ca_Kabuli_Chr04	NC_021163.1	8191224	GG	AA	AA	URR	101502743	histidine-containing phosphotransfer protein 1-like
SNP_14549B_8204583	Ca_Kabuli_Chr04	NC_021163.1	8204583	GG	TT	TT	INTRON	101503610	receptor-like cytosolic serine/threonine-protein kinase RBK2
SNP_14550B_8209184	Ca_Kabuli_Chr04	NC_021163.1	8209184	CC	GG	GG	INTERGENIC		
SNP_14551B_8209202	Ca_Kabuli_Chr04	NC_021163.1	8209202	TT	CC	CC	INTERGENIC		
SNP_14552B_8209315	Ca_Kabuli_Chr04	NC_021163.1	8209315	AA	TT	TT	INTERGENIC		
SNP_14553B_8209327	Ca_Kabuli_Chr04	NC_021163.1	8209327	GG	CC	CC	INTERGENIC		
SNP_14555B_8210604	Ca_Kabuli_Chr04	NC_021163.1	8210604	CC	TT	TT	INTERGENIC		
SNP_14557B_8210744	Ca_Kabuli_Chr04	NC_021163.1	8210744	TT	CC	CC	INTERGENIC		
SNP_14558B_8210985	Ca_Kabuli_Chr04	NC_021163.1	8210985	GG	TT	TT	INTERGENIC		
SNP_14559B_8211279	Ca_Kabuli_Chr04	NC_021163.1	8211279	AA	GG	GG	INTERGENIC		
SNP_14561B_8211812	Ca_Kabuli_Chr04	NC_021163.1	8211812	GG	AA	AA	INTERGENIC		
SNP_14562B_8214727	Ca_Kabuli_Chr04	NC_021163.1	8214727	AA	GG	GG	INTERGENIC		
SNP_14563B_8214742	Ca_Kabuli_Chr04	NC_021163.1	8214742	AA	CC	CC	INTERGENIC		
SNP_14564B_8214770	Ca_Kabuli_Chr04	NC_021163.1	8214770	CC	AA	AA	INTERGENIC		
SNP_14565B_8214778	Ca_Kabuli_Chr04	NC_021163.1	8214778	CC	TT	TT	INTERGENIC		
SNP_14566B_8214848	Ca_Kabuli_Chr04	NC_021163.1	8214848	TT	GG	GG	INTERGENIC		
SNP_14567B_8215045	Ca_Kabuli_Chr04	NC_021163.1	8215045	AA	TT	TT	INTERGENIC		
SNP_14568B_8215075	Ca_Kabuli_Chr04	NC_021163.1	8215075	TT	AA	AA	INTERGENIC		

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SNP_14569B_8215082	Ca_Kabuli_Chr04	NC_021163.1	8215082	AA	TT	TT	INTERGENIC		
SNP_14570B_8215083	Ca_Kabuli_Chr04	NC_021163.1	8215083	AA	TT	TT	INTERGENIC		
SNP_14571B_8215530	Ca_Kabuli_Chr04	NC_021163.1	8215530	CC	TT	TT	INTERGENIC		
SNP_14572B_8217181	Ca_Kabuli_Chr04	NC_021163.1	8217181	CC	TT	TT	DRR	101503935	probable LRR receptor-like serine/threonine-protein kinase RKF3
SNP_14574B_8220517	Ca_Kabuli_Chr04	NC_021163.1	8220517	AA	GG	GG	URR	101503935	probable LRR receptor-like serine/threonine-protein kinase RKF3
SNP_14575B_8220527	Ca_Kabuli_Chr04	NC_021163.1	8220527	AA	GG	GG	URR	101503935	probable LRR receptor-like serine/threonine-protein kinase RKF3
SNP_14576B_8221628	Ca_Kabuli_Chr04	NC_021163.1	8221628	GG	AA	AA	DRR	101504254	uncharacterized LOC101504254
SNP_14577B_8221654	Ca_Kabuli_Chr04	NC_021163.1	8221654	AA	GG	GG	DRR	101504254	uncharacterized LOC101504254
SNP_14578B_8223339	Ca_Kabuli_Chr04	NC_021163.1	8223339	TT	CC	CC	INTERGENIC		
SNP_14579B_8223686	Ca_Kabuli_Chr04	NC_021163.1	8223686	GG	TT	TT	INTERGENIC		
SNP_14580B_8223771	Ca_Kabuli_Chr04	NC_021163.1	8223771	CC	TT	TT	INTERGENIC		
SNP_14581B_8226051	Ca_Kabuli_Chr04	NC_021163.1	8226051	CC	GG	GG	URR	101504254	uncharacterized LOC101504254
SNP_14582B_8227306	Ca_Kabuli_Chr04	NC_021163.1	8227306	GG	AA	AA	URR	101504254	uncharacterized LOC101504254
SNP_14583B_8227310	Ca_Kabuli_Chr04	NC_021163.1	8227310	AA	GG	GG	URR	101504254	uncharacterized LOC101504254
SNP_14584B_8227330	Ca_Kabuli_Chr04	NC_021163.1	8227330	AA	GG	GG	URR	101504254	uncharacterized LOC101504254
SNP_14585B_8227337	Ca_Kabuli_Chr04	NC_021163.1	8227337	AA	GG	GG	URR	101504254	uncharacterized LOC101504254
SNP_14586B_8230374	Ca_Kabuli_Chr04	NC_021163.1	8230374	AA	GG	GG	INTERGENIC		
SNP_14587B_8230760	Ca_Kabuli_Chr04	NC_021163.1	8230760	TT	CC	CC	INTERGENIC		
SNP_14590B_8239918	Ca_Kabuli_Chr04	NC_021163.1	8239918	CC	TT	TT	URR	101504588	putative E3 ubiquitin-protein ligase RF4
SNP_14591B_8241149	Ca_Kabuli_Chr04	NC_021163.1	8241149	TT	AA	AA	INTERGENIC		
SNP_14592B_8248038	Ca_Kabuli_Chr04	NC_021163.1	8248038	GG	AA	AA	INTERGENIC		
SNP_14593B_8248288	Ca_Kabuli_Chr04	NC_021163.1	8248288	TT	CC	CC	INTERGENIC		
SNP_14594B_8252620	Ca_Kabuli_Chr04	NC_021163.1	8252620	CC	TT	TT	NON_SYNONYMOUS_CODING	101505211	piezo-type mechanosensitive ion channel homolog
SNP_14595B_8256356	Ca_Kabuli_Chr04	NC_021163.1	8256356	GG	TT	TT	INTRON	101505211	piezo-type mechanosensitive ion channel homolog

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SNP_14596B_8256855	Ca_Kabuli_Chr04	NC_021163.1	8256855	CC	TT	TT	INTRON	101505211	piezo-type mechanosensitive ion channel homolog
SNP_14597B_8257096	Ca_Kabuli_Chr04	NC_021163.1	8257096	AA	TT	TT	NON_SYNONYMOUS_CODING	101505211	piezo-type mechanosensitive ion channel homolog
SNP_14598B_8257982	Ca_Kabuli_Chr04	NC_021163.1	8257982	CC	TT	TT	INTRON	101505211	piezo-type mechanosensitive ion channel homolog
SNP_14599B_8264674	Ca_Kabuli_Chr04	NC_021163.1	8264674	TT	AA	AA	INTRON	101505211	piezo-type mechanosensitive ion channel homolog
SNP_14600B_8264881	Ca_Kabuli_Chr04	NC_021163.1	8264881	AA	GG	GG	INTRON	101505211	piezo-type mechanosensitive ion channel homolog
SNP_14602B_8264935	Ca_Kabuli_Chr04	NC_021163.1	8264935	GG	AA	AA	INTRON	101505211	piezo-type mechanosensitive ion channel homolog
SNP_14603B_8267764	Ca_Kabuli_Chr04	NC_021163.1	8267764	CC	GG	GG	INTRON	101505211	piezo-type mechanosensitive ion channel homolog
SNP_14604B_8267780	Ca_Kabuli_Chr04	NC_021163.1	8267780	GG	AA	AA	INTRON	101505211	piezo-type mechanosensitive ion channel homolog
SNP_14605B_8268349	Ca_Kabuli_Chr04	NC_021163.1	8268349	GG	AA	AA	INTRON	101505211	piezo-type mechanosensitive ion channel homolog
SNP_14606B_8277565	Ca_Kabuli_Chr04	NC_021163.1	8277565	AA	TT	TT	INTRON	101505211	piezo-type mechanosensitive ion channel homolog
SNP_14607B_8289302	Ca_Kabuli_Chr04	NC_021163.1	8289302	GG	AA	AA	DRR	101506082	probable galacturonosyltransferase-like 4
SNP_14608B_8291920	Ca_Kabuli_Chr04	NC_021163.1	8291920	AA	GG	GG	INTERGENIC		
SNP_14609B_8293646	Ca_Kabuli_Chr04	NC_021163.1	8293646	CC	TT	TT	URR	101506082	probable galacturonosyltransferase-like 4
SNP_14610B_8297206	Ca_Kabuli_Chr04	NC_021163.1	8297206	AA	GG	GG	DRR	101506403	BSD domain-containing protein 1-like
SNP_14612B_8307763	Ca_Kabuli_Chr04	NC_021163.1	8307763	TT	AA	AA	URR	101493086	uncharacterized LOC101493086
SNP_14614B_8308861	Ca_Kabuli_Chr04	NC_021163.1	8308861	AA	TT	TT	URR	101493086	uncharacterized LOC101493086
SNP_14615B_8308913	Ca_Kabuli_Chr04	NC_021163.1	8308913	GG	AA	AA	URR	101493086	uncharacterized LOC101493086
SNP_14616B_8309060	Ca_Kabuli_Chr04	NC_021163.1	8309060	AA	TT	TT	URR	101493086	uncharacterized LOC101493086
SNP_14617B_8309149	Ca_Kabuli_Chr04	NC_021163.1	8309149	AA	GG	GG	URR	101493086	uncharacterized LOC101493086
SNP_14619B_8309253	Ca_Kabuli_Chr04	NC_021163.1	8309253	CC	TT	TT	URR	101493086	uncharacterized LOC101493086
SNP_14621B_8310609	Ca_Kabuli_Chr04	NC_021163.1	8310609	CC	GG	GG	INTERGENIC		
SNP_14623B_8311857	Ca_Kabuli_Chr04	NC_021163.1	8311857	CC	TT	TT	INTERGENIC		
SNP_14625B_8313919	Ca_Kabuli_Chr04	NC_021163.1	8313919	AA	GG	GG	INTERGENIC		
SNP_14626B_8313926	Ca_Kabuli_Chr04	NC_021163.1	8313926	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_14629B_8317074	Ca_Kabuli_Chr04	NC_021163.1	8317074	AA	GG	GG	INTERGENIC		
SNP_14631B_8320331	Ca_Kabuli_Chr04	NC_021163.1	8320331	CC	TT	TT	INTERGENIC		
SNP_14632B_8321635	Ca_Kabuli_Chr04	NC_021163.1	8321635	AA	GG	GG	INTERGENIC		
SNP_14633B_8321651	Ca_Kabuli_Chr04	NC_021163.1	8321651	GG	AA	AA	INTERGENIC		
SNP_14634B_8321714	Ca_Kabuli_Chr04	NC_021163.1	8321714	GG	AA	AA	INTERGENIC		
SNP_14635B_8321721	Ca_Kabuli_Chr04	NC_021163.1	8321721	GG	AA	AA	INTERGENIC		
SNP_14636B_8325860	Ca_Kabuli_Chr04	NC_021163.1	8325860	GG	AA	AA	DRR	101506732	protein FAR-RED IMPAIRED RESPONSE 1-like
SNP_14637B_8325896	Ca_Kabuli_Chr04	NC_021163.1	8325896	CC	TT	TT	DRR	101506732	protein FAR-RED IMPAIRED RESPONSE 1-like
SNP_14638B_8325909	Ca_Kabuli_Chr04	NC_021163.1	8325909	TT	CC	CC	DRR	101506732	protein FAR-RED IMPAIRED RESPONSE 1-like
SNP_14639B_8325925	Ca_Kabuli_Chr04	NC_021163.1	8325925	TT	CC	CC	DRR	101506732	protein FAR-RED IMPAIRED RESPONSE 1-like
SNP_14640B_8325930	Ca_Kabuli_Chr04	NC_021163.1	8325930	TT	AA	AA	DRR	101506732	protein FAR-RED IMPAIRED RESPONSE 1-like
SNP_14641B_8331244	Ca_Kabuli_Chr04	NC_021163.1	8331244	CC	TT	TT	DRR	101507072	uncharacterized LOC101507072
SNP_14643B_8334028	Ca_Kabuli_Chr04	NC_021163.1	8334028	TT	CC	CC	URR	101507072	uncharacterized LOC101507072
SNP_14644B_8334196	Ca_Kabuli_Chr04	NC_021163.1	8334196	TT	CC	CC	DRR	101507390	mitochondrial ubiquitin ligase activator of NFKB 1
SNP_14645B_8334201	Ca_Kabuli_Chr04	NC_021163.1	8334201	TT	CC	CC	DRR	101507390	mitochondrial ubiquitin ligase activator of NFKB 1
SNP_14646B_8334447	Ca_Kabuli_Chr04	NC_021163.1	8334447	TT	CC	CC	DRR	101507390	mitochondrial ubiquitin ligase activator of NFKB 1
SNP_14647B_8334772	Ca_Kabuli_Chr04	NC_021163.1	8334772	GG	AA	AA	DRR	101507390	mitochondrial ubiquitin ligase activator of NFKB 1
SNP_14648B_8338996	Ca_Kabuli_Chr04	NC_021163.1	8338996	TT	CC	CC	INTERGENIC		
SNP_14649B_8341552	Ca_Kabuli_Chr04	NC_021163.1	8341552	CC	GG	GG	URR	101507390	mitochondrial ubiquitin ligase activator of NFKB 1
SNP_14651B_8343936	Ca_Kabuli_Chr04	NC_021163.1	8343936	GG	CC	CC	INTERGENIC		
SNP_14652B_8344076	Ca_Kabuli_Chr04	NC_021163.1	8344076	CC	TT	TT	INTERGENIC		
SNP_14653B_8344078	Ca_Kabuli_Chr04	NC_021163.1	8344078	GG	AA	AA	INTERGENIC		
SNP_14654B_8349069	Ca_Kabuli_Chr04	NC_021163.1	8349069	GG	CC	CC	INTERGENIC		
SNP_14655B_8350889	Ca_Kabuli_Chr04	NC_021163.1	8350889	GG	TT	TT	URR	101507698	uncharacterized LOC101507698

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_14656B_8350993	Ca_Kabuli_Chr04	NC_021163.1	8350993	CC	TT	TT	URR	101507698	uncharacterized LOC101507698
SNP_14657B_8351064	Ca_Kabuli_Chr04	NC_021163.1	8351064	TT	CC	CC	URR	101507698	uncharacterized LOC101507698
SNP_14658B_8353089	Ca_Kabuli_Chr04	NC_021163.1	8353089	TT	CC	CC	DRR	101508027	uncharacterized LOC101508027
SNP_14659B_8353090	Ca_Kabuli_Chr04	NC_021163.1	8353090	GG	AA	AA	DRR	101508027	uncharacterized LOC101508027
SNP_14660B_8354683	Ca_Kabuli_Chr04	NC_021163.1	8354683	TT	GG	GG	INTRON	101508027	uncharacterized LOC101508027
SNP_14661B_8354693	Ca_Kabuli_Chr04	NC_021163.1	8354693	TT	AA	AA	INTRON	101508027	uncharacterized LOC101508027
SNP_14662B_8357874	Ca_Kabuli_Chr04	NC_021163.1	8357874	AA	GG	GG	SYNONYMOUS_CODING	101508027	uncharacterized LOC101508027
SNP_14663B_8359190	Ca_Kabuli_Chr04	NC_021163.1	8359190	AA	GG	GG	INTRON	101508027	uncharacterized LOC101508027
SNP_14664B_8363117	Ca_Kabuli_Chr04	NC_021163.1	8363117	TT	GG	GG	URR	101508027	uncharacterized LOC101508027
SNP_14665B_8363131	Ca_Kabuli_Chr04	NC_021163.1	8363131	GG	AA	AA	URR	101508027	uncharacterized LOC101508027
SNP_14666B_8363147	Ca_Kabuli_Chr04	NC_021163.1	8363147	CC	TT	TT	URR	101508027	uncharacterized LOC101508027
SNP_14667B_8367094	Ca_Kabuli_Chr04	NC_021163.1	8367094	GG	AA	AA	INTERGENIC		
SNP_14668B_8370798	Ca_Kabuli_Chr04	NC_021163.1	8370798	AA	CC	CC	DRR	101508652	probable glutathione S-transferase
SNP_14669B_8373653	Ca_Kabuli_Chr04	NC_021163.1	8373653	TT	AA	AA	URR	101508652	probable glutathione S-transferase
SNP_14670B_8376575	Ca_Kabuli_Chr04	NC_021163.1	8376575	AA	GG	GG	URR	101508970	Unknown function
SNP_14671B_8376737	Ca_Kabuli_Chr04	NC_021163.1	8376737	AA	TT	TT	URR	101508970	Unknown function
SNP_14672B_8376774	Ca_Kabuli_Chr04	NC_021163.1	8376774	TT	CC	CC	URR	101508970	Unknown function
SNP_14674B_8382508	Ca_Kabuli_Chr04	NC_021163.1	8382508	CC	TT	TT	INTRON	101509283	probable RNA polymerase II transcription factor B subunit 1 1
SNP_14675B_8387960	Ca_Kabuli_Chr04	NC_021163.1	8387960	CC	TT	TT	SYNONYMOUS_CODING	101509283	probable RNA polymerase II transcription factor B subunit 1 1
SNP_14676B_8388301	Ca_Kabuli_Chr04	NC_021163.1	8388301	TT	AA	AA	INTRON	101509283	probable RNA polymerase II transcription factor B subunit 1 1
SNP_14677B_8389207	Ca_Kabuli_Chr04	NC_021163.1	8389207	AA	GG	GG	INTRON	101509283	probable RNA polymerase II transcription factor B subunit 1 1
SNP_14678B_8395126	Ca_Kabuli_Chr04	NC_021163.1	8395126	AA	TT	TT	INTERGENIC		
SNP_14679B_8402175	Ca_Kabuli_Chr04	NC_021163.1	8402175	TT	CC	CC	URR	101510250	chaperonin CPN60-2, mitochondrial-like
SNP_14680B_8402434	Ca_Kabuli_Chr04	NC_021163.1	8402434	GG	CC	CC	URR	101510250	chaperonin CPN60-2, mitochondrial-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_14681B_8405817	Ca_Kabuli_Chr04	NC_021163.1	8405817	GG	CC	CC	INTRON	101509928	Unknown function
SNP_14682B_8408301	Ca_Kabuli_Chr04	NC_021163.1	8408301	TT	CC	CC	URR	101509928	Unknown function
SNP_14683B_8408915	Ca_Kabuli_Chr04	NC_021163.1	8408915	CC	TT	TT	URR	101509928	Unknown function
SNP_14684B_8409755	Ca_Kabuli_Chr04	NC_021163.1	8409755	CC	TT	TT	URR	101509928	Unknown function
SNP_14685B_8409793	Ca_Kabuli_Chr04	NC_021163.1	8409793	CC	TT	TT	URR	101509928	Unknown function
SNP_14686B_8409841	Ca_Kabuli_Chr04	NC_021163.1	8409841	GG	AA	AA	URR	101509928	Unknown function
SNP_14688B_8410147	Ca_Kabuli_Chr04	NC_021163.1	8410147	TT	GG	GG	URR	101509928	Unknown function
SNP_14689B_8411768	Ca_Kabuli_Chr04	NC_021163.1	8411768	AA	GG	GG	INTERGENIC		
SNP_14690B_8411769	Ca_Kabuli_Chr04	NC_021163.1	8411769	GG	TT	TT	INTERGENIC		
SNP_14691B_8411778	Ca_Kabuli_Chr04	NC_021163.1	8411778	CC	TT	TT	INTERGENIC		
SNP_14692B_8411789	Ca_Kabuli_Chr04	NC_021163.1	8411789	TT	GG	GG	INTERGENIC		
SNP_14693B_8411798	Ca_Kabuli_Chr04	NC_021163.1	8411798	GG	AA	AA	INTERGENIC		
SNP_14694B_8412066	Ca_Kabuli_Chr04	NC_021163.1	8412066	CC	TT	TT	INTERGENIC		
SNP_14695B_8413835	Ca_Kabuli_Chr04	NC_021163.1	8413835	TT	CC	CC	INTERGENIC		
SNP_14696B_8414157	Ca_Kabuli_Chr04	NC_021163.1	8414157	TT	CC	CC	INTERGENIC		
SNP_14697B_8414160	Ca_Kabuli_Chr04	NC_021163.1	8414160	GG	AA	AA	INTERGENIC		
SNP_14698B_8415337	Ca_Kabuli_Chr04	NC_021163.1	8415337	AA	GG	GG	DRR	101510582	ethylene-responsive transcription factor ERF062
SNP_14699B_8425321	Ca_Kabuli_Chr04	NC_021163.1	8425321	GG	AA	AA	INTERGENIC		
SNP_14700B_8425322	Ca_Kabuli_Chr04	NC_021163.1	8425322	AA	TT	TT	INTERGENIC		
SNP_14701B_8425369	Ca_Kabuli_Chr04	NC_021163.1	8425369	TT	AA	AA	INTERGENIC		
SNP_14702B_8425393	Ca_Kabuli_Chr04	NC_021163.1	8425393	TT	CC	CC	INTERGENIC		
SNP_14703B_8439522	Ca_Kabuli_Chr04	NC_021163.1	8439522	TT	CC	CC	INTRON	101511538	polycomb group protein EMBRYONIC FLOWER 2-like
SNP_14705B_8454042	Ca_Kabuli_Chr04	NC_021163.1	8454042	GG	AA	AA	INTERGENIC		
SNP_14706B_8454163	Ca_Kabuli_Chr04	NC_021163.1	8454163	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_14707B_8454184	Ca_Kabuli_Chr04	NC_021163.1	8454184	CC	GG	GG	INTERGENIC		
SNP_14708B_8454198	Ca_Kabuli_Chr04	NC_021163.1	8454198	TT	CC	CC	INTERGENIC		
SNP_14709B_8454218	Ca_Kabuli_Chr04	NC_021163.1	8454218	AA	GG	GG	INTERGENIC		
SNP_14710B_8454243	Ca_Kabuli_Chr04	NC_021163.1	8454243	GG	AA	AA	INTERGENIC		
SNP_14711B_8454276	Ca_Kabuli_Chr04	NC_021163.1	8454276	CC	AA	AA	INTERGENIC		
SNP_14712B_8456393	Ca_Kabuli_Chr04	NC_021163.1	8456393	GG	AA	AA	INTERGENIC		
SNP_14713B_8457947	Ca_Kabuli_Chr04	NC_021163.1	8457947	CC	GG	GG	INTERGENIC		
SNP_14714B_8458284	Ca_Kabuli_Chr04	NC_021163.1	8458284	CC	TT	TT	INTERGENIC		
SNP_14715B_8458305	Ca_Kabuli_Chr04	NC_021163.1	8458305	GG	AA	AA	INTERGENIC		
SNP_14717B_8459387	Ca_Kabuli_Chr04	NC_021163.1	8459387	CC	TT	TT	INTERGENIC		
SNP_14718B_8465126	Ca_Kabuli_Chr04	NC_021163.1	8465126	CC	TT	TT	URR	101512184	anthocyanidin 3-O-glucosyltransferase
SNP_14719B_8465150	Ca_Kabuli_Chr04	NC_021163.1	8465150	GG	AA	AA	URR	101512184	anthocyanidin 3-O-glucosyltransferase
SNP_14720B_8467633	Ca_Kabuli_Chr04	NC_021163.1	8467633	TT	AA	AA	INTERGENIC		
SNP_14721B_8468121	Ca_Kabuli_Chr04	NC_021163.1	8468121	AA	GG	GG	INTERGENIC		
SNP_14722B_8468126	Ca_Kabuli_Chr04	NC_021163.1	8468126	TT	AA	AA	INTERGENIC		
SNP_14723B_8468381	Ca_Kabuli_Chr04	NC_021163.1	8468381	CC	TT	TT	INTERGENIC		
SNP_14724B_8468413	Ca_Kabuli_Chr04	NC_021163.1	8468413	AA	GG	GG	INTERGENIC		
SNP_14725B_8471061	Ca_Kabuli_Chr04	NC_021163.1	8471061	GG	CC	CC	INTERGENIC		
SNP_14726B_8476033	Ca_Kabuli_Chr04	NC_021163.1	8476033	CC	TT	TT	INTRON	101512819	ATP-dependent 6-phosphofructokinase 4, chloroplastic
SNP_14728B_8477203	Ca_Kabuli_Chr04	NC_021163.1	8477203	GG	AA	AA	INTRON	101512819	ATP-dependent 6-phosphofructokinase 4, chloroplastic
SNP_14729B_8477210	Ca_Kabuli_Chr04	NC_021163.1	8477210	GG	CC	CC	INTRON	101512819	ATP-dependent 6-phosphofructokinase 4, chloroplastic
SNP_14730B_8477239	Ca_Kabuli_Chr04	NC_021163.1	8477239	CC	TT	TT	INTRON	101512819	ATP-dependent 6-phosphofructokinase 4, chloroplastic
SNP_14731B_8477461	Ca_Kabuli_Chr04	NC_021163.1	8477461	GG	AA	AA	INTRON	101512819	ATP-dependent 6-phosphofructokinase 4, chloroplastic
SNP_14732B_8478132	Ca_Kabuli_Chr04	NC_021163.1	8478132	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_14733B_8481292	Ca_Kabuli_Chr04	NC_021163.1	8481292	AA	TT	TT	URR	101512819	ATP-dependent 6-phosphofructokinase 4, chloroplastic
SNP_14734B_8481636	Ca_Kabuli_Chr04	NC_021163.1	8481636	AA	GG	GG	URR	101512819	ATP-dependent 6-phosphofructokinase 4, chloroplastic
SNP_14735B_8482549	Ca_Kabuli_Chr04	NC_021163.1	8482549	TT	CC	CC	DRR	101513364	WD repeat-containing protein WRAP73
SNP_14740B_8504058	Ca_Kabuli_Chr04	NC_021163.1	8504058	AA	CC	CC	URR	101514252	mitochondrial uncoupling protein 3
SNP_14741B_8507356	Ca_Kabuli_Chr04	NC_021163.1	8507356	GG	TT	TT	INTRON	101514568	nuclear pore complex protein NUP1
SNP_14742B_8508301	Ca_Kabuli_Chr04	NC_021163.1	8508301	TT	CC	CC	INTRON	101514568	nuclear pore complex protein NUP1
SNP_14743B_8508338	Ca_Kabuli_Chr04	NC_021163.1	8508338	TT	AA	AA	INTRON	101514568	nuclear pore complex protein NUP1
SNP_14744B_8508878	Ca_Kabuli_Chr04	NC_021163.1	8508878	AA	GG	GG	INTRON	101514568	nuclear pore complex protein NUP1
SNP_14746B_8509407	Ca_Kabuli_Chr04	NC_021163.1	8509407	AA	GG	GG	NON_SYNONYMOUS_CODING	101514568	nuclear pore complex protein NUP1
SNP_14747B_8513216	Ca_Kabuli_Chr04	NC_021163.1	8513216	GG	AA	AA	INTERGENIC		
SNP_14748B_8514560	Ca_Kabuli_Chr04	NC_021163.1	8514560	AA	CC	CC	URR	101514568	nuclear pore complex protein NUP1
SNP_14749B_8514852	Ca_Kabuli_Chr04	NC_021163.1	8514852	AA	GG	GG	URR	101514568	nuclear pore complex protein NUP1
SNP_14750B_8514961	Ca_Kabuli_Chr04	NC_021163.1	8514961	CC	TT	TT	URR	101514568	nuclear pore complex protein NUP1
SNP_14751B_8514969	Ca_Kabuli_Chr04	NC_021163.1	8514969	GG	TT	TT	URR	101514568	nuclear pore complex protein NUP1
SNP_14753B_8521223	Ca_Kabuli_Chr04	NC_021163.1	8521223	CC	TT	TT	URR	101514891	uncharacterized LOC101514891
SNP_14754B_8522645	Ca_Kabuli_Chr04	NC_021163.1	8522645	GG	TT	TT	DRR	101488293	TGACG-sequence-specific DNA-binding protein TGA-1A-like
SNP_14755B_8522646	Ca_Kabuli_Chr04	NC_021163.1	8522646	TT	AA	AA	DRR	101488293	TGACG-sequence-specific DNA-binding protein TGA-1A-like
SNP_14756B_8532621	Ca_Kabuli_Chr04	NC_021163.1	8532621	GG	TT	TT	URR	101494055	uncharacterized LOC101494055
SNP_14757B_8576692	Ca_Kabuli_Chr04	NC_021163.1	8576692	AA	GG	GG	INTERGENIC		
SNP_14758B_8613333	Ca_Kabuli_Chr04	NC_021163.1	8613333	AA	GG	GG	INTERGENIC		
SNP_14759B_8616202	Ca_Kabuli_Chr04	NC_021163.1	8616202	CC	AA	AA	INTERGENIC		
SNP_14761B_8617423	Ca_Kabuli_Chr04	NC_021163.1	8617423	CC	GG	GG	DRR	101493943	uncharacterized LOC101493943
SNP_14762B_8617618	Ca_Kabuli_Chr04	NC_021163.1	8617618	TT	CC	CC	DRR	101493943	uncharacterized LOC101493943
SNP_14763B_8622754	Ca_Kabuli_Chr04	NC_021163.1	8622754	TT	GG	GG	URR	101493943	uncharacterized LOC101493943

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_14764B_8626136	Ca_Kabuli_Chr04	NC_021163.1	8626136	TT	AA	AA	DRR	101494270	shugoshin-1
SNP_14765B_8626444	Ca_Kabuli_Chr04	NC_021163.1	8626444	AA	TT	TT	DRR	101494270	shugoshin-1
SNP_14766B_8626467	Ca_Kabuli_Chr04	NC_021163.1	8626467	CC	TT	TT	DRR	101494270	shugoshin-1
SNP_14767B_8630513	Ca_Kabuli_Chr04	NC_021163.1	8630513	GG	TT	TT	URR	101494270	shugoshin-1
SNP_14768B_8632747	Ca_Kabuli_Chr04	NC_021163.1	8632747	TT	AA	AA	INTERGENIC		
SNP_14769B_8633950	Ca_Kabuli_Chr04	NC_021163.1	8633950	CC	TT	TT	INTERGENIC		
SNP_14770B_8634304	Ca_Kabuli_Chr04	NC_021163.1	8634304	GG	AA	AA	INTERGENIC		
SNP_14771B_8634306	Ca_Kabuli_Chr04	NC_021163.1	8634306	GG	AA	AA	INTERGENIC		
SNP_14772B_8635454	Ca_Kabuli_Chr04	NC_021163.1	8635454	TT	CC	CC	INTERGENIC		
SNP_14773B_8635512	Ca_Kabuli_Chr04	NC_021163.1	8635512	TT	GG	GG	INTERGENIC		
SNP_14774B_8635515	Ca_Kabuli_Chr04	NC_021163.1	8635515	AA	CC	CC	INTERGENIC		
SNP_14775B_8635529	Ca_Kabuli_Chr04	NC_021163.1	8635529	TT	AA	AA	INTERGENIC		
SNP_14776B_8636191	Ca_Kabuli_Chr04	NC_021163.1	8636191	CC	TT	TT	INTERGENIC		
SNP_14777B_8636217	Ca_Kabuli_Chr04	NC_021163.1	8636217	CC	GG	GG	INTERGENIC		
SNP_14779B_8637947	Ca_Kabuli_Chr04	NC_021163.1	8637947	TT	CC	CC	DRR	101494578	uncharacterized LOC101494578
SNP_14780B_8638270	Ca_Kabuli_Chr04	NC_021163.1	8638270	CC	AA	AA	DRR	101494578	uncharacterized LOC101494578
SNP_14781B_8639647	Ca_Kabuli_Chr04	NC_021163.1	8639647	TT	CC	CC	INTERGENIC		
SNP_14782B_8639666	Ca_Kabuli_Chr04	NC_021163.1	8639666	TT	AA	AA	INTERGENIC		
SNP_14783B_8640040	Ca_Kabuli_Chr04	NC_021163.1	8640040	GG	AA	AA	URR	101494578	uncharacterized LOC101494578
SNP_14784B_8640053	Ca_Kabuli_Chr04	NC_021163.1	8640053	CC	GG	GG	URR	101494578	uncharacterized LOC101494578
SNP_14785B_8640061	Ca_Kabuli_Chr04	NC_021163.1	8640061	GG	TT	TT	URR	101494578	uncharacterized LOC101494578
SNP_14786B_8640096	Ca_Kabuli_Chr04	NC_021163.1	8640096	GG	AA	AA	URR	101494578	uncharacterized LOC101494578
SNP_14787B_8647695	Ca_Kabuli_Chr04	NC_021163.1	8647695	CC	TT	TT	INTRON	101494893	myb family transcription factor APL-like
SNP_14788B_8647703	Ca_Kabuli_Chr04	NC_021163.1	8647703	TT	AA	AA	INTRON	101494893	myb family transcription factor APL-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_14789B_8648035	Ca_Kabuli_Chr04	NC_021163.1	8648035	TT	CC	CC	INTRON	101494893	myb family transcription factor APL-like
SNP_14790B_8648043	Ca_Kabuli_Chr04	NC_021163.1	8648043	TT	AA	AA	INTRON	101494893	myb family transcription factor APL-like
SNP_14791B_8648091	Ca_Kabuli_Chr04	NC_021163.1	8648091	TT	GG	GG	INTRON	101494893	myb family transcription factor APL-like
SNP_14792B_8648636	Ca_Kabuli_Chr04	NC_021163.1	8648636	AA	GG	GG	SYNONYMOUS_CODING	101494893	myb family transcription factor APL-like
SNP_14793B_8653024	Ca_Kabuli_Chr04	NC_021163.1	8653024	TT	CC	CC	INTERGENIC		
SNP_14794B_8655030	Ca_Kabuli_Chr04	NC_021163.1	8655030	AA	TT	TT	STOP_GAINED	id73775	Unknown function
SNP_14795B_8656186	Ca_Kabuli_Chr04	NC_021163.1	8656186	AA	GG	GG	NON_SYNONYMOUS_CODING	101495219	uncharacterized LOC101495219
SNP_14796B_8656230	Ca_Kabuli_Chr04	NC_021163.1	8656230	GG	TT	TT	NON_SYNONYMOUS_CODING	id73775	Unknown function
SNP_14797B_8662609	Ca_Kabuli_Chr04	NC_021163.1	8662609	AA	CC	CC	INTERGENIC		
SNP_14798B_8663724	Ca_Kabuli_Chr04	NC_021163.1	8663724	AA	CC	CC	URR	101495647	putative disease resistance RPP13-like protein 2
SNP_14799B_8663734	Ca_Kabuli_Chr04	NC_021163.1	8663734	TT	GG	GG	URR	101495647	putative disease resistance RPP13-like protein 2
SNP_14800B_8665571	Ca_Kabuli_Chr04	NC_021163.1	8665571	GG	AA	AA	DRR	101496195	uncharacterized LOC101496195
SNP_14801B_8665790	Ca_Kabuli_Chr04	NC_021163.1	8665790	TT	CC	CC	DRR	101496195	uncharacterized LOC101496195
SNP_14802B_8665791	Ca_Kabuli_Chr04	NC_021163.1	8665791	CC	GG	GG	DRR	101496195	uncharacterized LOC101496195
SNP_14803B_8665915	Ca_Kabuli_Chr04	NC_021163.1	8665915	GG	AA	AA	DRR	101496195	uncharacterized LOC101496195
SNP_14804B_8665978	Ca_Kabuli_Chr04	NC_021163.1	8665978	TT	CC	CC	DRR	101496750	putative disease resistance RPP13-like protein 2
SNP_14805B_8670012	Ca_Kabuli_Chr04	NC_021163.1	8670012	TT	GG	GG	INTERGENIC		
SNP_14806B_8670388	Ca_Kabuli_Chr04	NC_021163.1	8670388	TT	CC	CC	INTERGENIC		
SNP_14807B_8670390	Ca_Kabuli_Chr04	NC_021163.1	8670390	TT	GG	GG	INTERGENIC		
SNP_14808B_8683208	Ca_Kabuli_Chr04	NC_021163.1	8683208	AA	GG	GG	NON_SYNONYMOUS_CODING	101497058	putative disease resistance RPP13-like protein 2
SNP_14809B_8689432	Ca_Kabuli_Chr04	NC_021163.1	8689432	AA	GG	GG	INTERGENIC		
SNP_14810B_8689438	Ca_Kabuli_Chr04	NC_021163.1	8689438	AA	GG	GG	INTERGENIC		
SNP_14812B_8690423	Ca_Kabuli_Chr04	NC_021163.1	8690423	AA	GG	GG	DRR	101497394	pullulanase 1, chloroplastic
SNP_14813B_8690435	Ca_Kabuli_Chr04	NC_021163.1	8690435	AA	CC	CC	DRR	101497394	pullulanase 1, chloroplastic

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_14814B_8690491	Ca_Kabuli_Chr04	NC_021163.1	8690491	AA	GG	GG	DRR	101497394	pullulanase 1, chloroplastic
SNP_14816B_8691982	Ca_Kabuli_Chr04	NC_021163.1	8691982	CC	GG	GG	INTRON	101497394	pullulanase 1, chloroplastic
SNP_14817B_8696943	Ca_Kabuli_Chr04	NC_021163.1	8696943	GG	AA	AA	INTRON	101497394	pullulanase 1, chloroplastic
SNP_14819B_8704836	Ca_Kabuli_Chr04	NC_021163.1	8704836	GG	AA	AA	URR	101497848	60S ribosomal protein L6, mitochondrial
SNP_14820B_8704840	Ca_Kabuli_Chr04	NC_021163.1	8704840	CC	AA	AA	URR	101497848	60S ribosomal protein L6, mitochondrial
SNP_14821B_8704845	Ca_Kabuli_Chr04	NC_021163.1	8704845	CC	AA	AA	URR	101497848	60S ribosomal protein L6, mitochondrial
SNP_14822B_8704915	Ca_Kabuli_Chr04	NC_021163.1	8704915	AA	TT	TT	URR	101497848	60S ribosomal protein L6, mitochondrial
SNP_14823B_8704943	Ca_Kabuli_Chr04	NC_021163.1	8704943	GG	CC	CC	URR	101497848	60S ribosomal protein L6, mitochondrial
SNP_14824B_8705007	Ca_Kabuli_Chr04	NC_021163.1	8705007	TT	CC	CC	URR	101497848	60S ribosomal protein L6, mitochondrial
SNP_14825B_8706830	Ca_Kabuli_Chr04	NC_021163.1	8706830	GG	AA	AA	INTERGENIC		
SNP_14826B_8711104	Ca_Kabuli_Chr04	NC_021163.1	8711104	TT	CC	CC	DRR	101495649	zinc finger protein ZAT5
SNP_14827B_8711259	Ca_Kabuli_Chr04	NC_021163.1	8711259	AA	GG	GG	DRR	101495649	zinc finger protein ZAT5
SNP_14828B_8713889	Ca_Kabuli_Chr04	NC_021163.1	8713889	AA	TT	TT	URR	101495649	zinc finger protein ZAT5
SNP_14829B_8715147	Ca_Kabuli_Chr04	NC_021163.1	8715147	TT	AA	AA	URR	101495649	zinc finger protein ZAT5
SNP_14830B_8715351	Ca_Kabuli_Chr04	NC_021163.1	8715351	AA	CC	CC	INTERGENIC		
SNP_14831B_8719020	Ca_Kabuli_Chr04	NC_021163.1	8719020	CC	AA	AA	INTRON	101498163	monocopper oxidase-like protein SKU5
SNP_14832B_8720331	Ca_Kabuli_Chr04	NC_021163.1	8720331	TT	CC	CC	INTRON	101498163	monocopper oxidase-like protein SKU5
SNP_14833B_8720614	Ca_Kabuli_Chr04	NC_021163.1	8720614	AA	GG	GG	SYNONYMOUS_CODING	101498163	monocopper oxidase-like protein SKU5
SNP_14834B_8720658	Ca_Kabuli_Chr04	NC_021163.1	8720658	AA	TT	TT	NON_SYNONYMOUS_CODING	101498163	monocopper oxidase-like protein SKU5
SNP_14835B_8725428	Ca_Kabuli_Chr04	NC_021163.1	8725428	AA	CC	CC	INTERGENIC		
SNP_14838B_8727627	Ca_Kabuli_Chr04	NC_021163.1	8727627	AA	GG	GG	INTERGENIC		
SNP_14840B_8733012	Ca_Kabuli_Chr04	NC_021163.1	8733012	AA	GG	GG	DRR	101495972	agamous-like MADS-box protein AGL80
SNP_14841B_8734425	Ca_Kabuli_Chr04	NC_021163.1	8734425	CC	TT	TT	DRR	101498490	ras-related protein RABC2a-like
SNP_14842B_8737857	Ca_Kabuli_Chr04	NC_021163.1	8737857	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_14843B_8737859	Ca_Kabuli_Chr04	NC_021163.1	8737859	CC	TT	TT	INTERGENIC		
SNP_14844B_8741454	Ca_Kabuli_Chr04	NC_021163.1	8741454	TT	AA	AA	INTERGENIC		
SNP_14845B_8745708	Ca_Kabuli_Chr04	NC_021163.1	8745708	CC	TT	TT	INTERGENIC		
SNP_14846B_8745712	Ca_Kabuli_Chr04	NC_021163.1	8745712	CC	TT	TT	INTERGENIC		
SNP_14847B_8747810	Ca_Kabuli_Chr04	NC_021163.1	8747810	TT	CC	CC	INTERGENIC		
SNP_14848B_8748287	Ca_Kabuli_Chr04	NC_021163.1	8748287	CC	TT	TT	INTERGENIC		
SNP_14849B_8748330	Ca_Kabuli_Chr04	NC_021163.1	8748330	AA	GG	GG	INTERGENIC		
SNP_14850B_8748521	Ca_Kabuli_Chr04	NC_021163.1	8748521	TT	CC	CC	INTERGENIC		
SNP_14851B_8749717	Ca_Kabuli_Chr04	NC_021163.1	8749717	GG	AA	AA	INTERGENIC		
SNP_14852B_8754317	Ca_Kabuli_Chr04	NC_021163.1	8754317	TT	CC	CC	INTRON	101498838	NAC domain-containing protein 7
SNP_14855B_8760944	Ca_Kabuli_Chr04	NC_021163.1	8760944	AA	TT	TT	INTERGENIC		
SNP_14856B_8765206	Ca_Kabuli_Chr04	NC_021163.1	8765206	GG	AA	AA	INTERGENIC		
SNP_14857B_8765232	Ca_Kabuli_Chr04	NC_021163.1	8765232	AA	GG	GG	INTERGENIC		
SNP_14858B_8765262	Ca_Kabuli_Chr04	NC_021163.1	8765262	GG	AA	AA	INTERGENIC		
SNP_14859B_8768237	Ca_Kabuli_Chr04	NC_021163.1	8768237	CC	TT	TT	INTERGENIC		
SNP_14860B_8768246	Ca_Kabuli_Chr04	NC_021163.1	8768246	CC	TT	TT	INTERGENIC		
SNP_14861B_8768264	Ca_Kabuli_Chr04	NC_021163.1	8768264	CC	AA	AA	INTERGENIC		
SNP_14862B_8768535	Ca_Kabuli_Chr04	NC_021163.1	8768535	TT	AA	AA	INTERGENIC		
SNP_14863B_8774188	Ca_Kabuli_Chr04	NC_021163.1	8774188	AA	GG	GG	URR	101499363	NAC domain-containing protein 53
SNP_14864B_8774189	Ca_Kabuli_Chr04	NC_021163.1	8774189	GG	AA	AA	URR	101499363	NAC domain-containing protein 53
SNP_14865B_8774196	Ca_Kabuli_Chr04	NC_021163.1	8774196	AA	TT	TT	URR	101499363	NAC domain-containing protein 53
SNP_14866B_8774310	Ca_Kabuli_Chr04	NC_021163.1	8774310	TT	CC	CC	URR	101499363	NAC domain-containing protein 53
SNP_14867B_8774316	Ca_Kabuli_Chr04	NC_021163.1	8774316	GG	AA	AA	URR	101499363	NAC domain-containing protein 53
SNP_14869B_8775158	Ca_Kabuli_Chr04	NC_021163.1	8775158	GG	CC	CC	DRR	101499870	malate dehydrogenase [NADP], chloroplastic

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_14871B_8778302	Ca_Kabuli_Chr04	NC_021163.1	8778302	GG	AA	AA	INTRON	101499870	malate dehydrogenase [NADP], chloroplastic
SNP_14872B_8783209	Ca_Kabuli_Chr04	NC_021163.1	8783209	GG	AA	AA	INTERGENIC		
SNP_14873B_8788873	Ca_Kabuli_Chr04	NC_021163.1	8788873	CC	TT	TT	INTERGENIC		
SNP_14874B_8792299	Ca_Kabuli_Chr04	NC_021163.1	8792299	TT	CC	CC	INTRON	101500518	acyl-CoA-binding domain-containing protein 4
SNP_14875B_8792636	Ca_Kabuli_Chr04	NC_021163.1	8792636	GG	AA	AA	DRR	101501276	peroxidase 41-like
SNP_14876B_8797365	Ca_Kabuli_Chr04	NC_021163.1	8797365	TT	CC	CC	INTERGENIC		
SNP_14877B_8797366	Ca_Kabuli_Chr04	NC_021163.1	8797366	AA	GG	GG	INTERGENIC		
SNP_14878B_8804382	Ca_Kabuli_Chr04	NC_021163.1	8804382	AA	GG	GG	INTERGENIC		
SNP_14879B_8804876	Ca_Kabuli_Chr04	NC_021163.1	8804876	AA	GG	GG	INTERGENIC		
SNP_14881B_8818268	Ca_Kabuli_Chr04	NC_021163.1	8818268	TT	CC	CC	INTRON	101496639	uncharacterized LOC101496639
SNP_14882B_8827441	Ca_Kabuli_Chr04	NC_021163.1	8827441	TT	CC	CC	URR	101502121	histone H2B.3-like
SNP_14883B_8827469	Ca_Kabuli_Chr04	NC_021163.1	8827469	AA	GG	GG	URR	101502121	histone H2B.3-like
SNP_14884B_8827489	Ca_Kabuli_Chr04	NC_021163.1	8827489	AA	GG	GG	URR	101502121	histone H2B.3-like
SNP_14885B_8828361	Ca_Kabuli_Chr04	NC_021163.1	8828361	GG	TT	TT	INTERGENIC		
SNP_14886B_8828364	Ca_Kabuli_Chr04	NC_021163.1	8828364	TT	GG	GG	INTERGENIC		
SNP_14887B_8829367	Ca_Kabuli_Chr04	NC_021163.1	8829367	GG	AA	AA	INTERGENIC		
SNP_14888B_8829368	Ca_Kabuli_Chr04	NC_021163.1	8829368	TT	CC	CC	INTERGENIC		
SNP_14889B_8830444	Ca_Kabuli_Chr04	NC_021163.1	8830444	AA	GG	GG	INTERGENIC		
SNP_14890B_8830529	Ca_Kabuli_Chr04	NC_021163.1	8830529	GG	AA	AA	INTERGENIC		
SNP_14891B_8830533	Ca_Kabuli_Chr04	NC_021163.1	8830533	TT	AA	AA	INTERGENIC		
SNP_14892B_8830795	Ca_Kabuli_Chr04	NC_021163.1	8830795	CC	TT	TT	INTERGENIC		
SNP_14893B_8831763	Ca_Kabuli_Chr04	NC_021163.1	8831763	CC	TT	TT	INTERGENIC		
SNP_14894B_8832290	Ca_Kabuli_Chr04	NC_021163.1	8832290	GG	AA	AA	INTERGENIC		
SNP_14895B_8832523	Ca_Kabuli_Chr04	NC_021163.1	8832523	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_14896B_8836282	Ca_Kabuli_Chr04	NC_021163.1	8836282	TT	CC	CC	INTERGENIC		
SNP_14897B_8837442	Ca_Kabuli_Chr04	NC_021163.1	8837442	TT	AA	AA	INTERGENIC		
SNP_14898B_8837443	Ca_Kabuli_Chr04	NC_021163.1	8837443	CC	TT	TT	INTERGENIC		
SNP_14899B_8840195	Ca_Kabuli_Chr04	NC_021163.1	8840195	CC	TT	TT	INTERGENIC		
SNP_14900B_8840216	Ca_Kabuli_Chr04	NC_021163.1	8840216	CC	TT	TT	INTERGENIC		
SNP_14901B_8840260	Ca_Kabuli_Chr04	NC_021163.1	8840260	CC	TT	TT	INTERGENIC		
SNP_14902B_8841224	Ca_Kabuli_Chr04	NC_021163.1	8841224	TT	CC	CC	INTERGENIC		
SNP_14903B_8841236	Ca_Kabuli_Chr04	NC_021163.1	8841236	TT	CC	CC	INTERGENIC		
SNP_14904B_8842981	Ca_Kabuli_Chr04	NC_021163.1	8842981	CC	TT	TT	INTERGENIC		
SNP_14905B_8847314	Ca_Kabuli_Chr04	NC_021163.1	8847314	GG	AA	AA	INTERGENIC		
SNP_14906B_8847384	Ca_Kabuli_Chr04	NC_021163.1	8847384	AA	TT	TT	INTERGENIC		
SNP_14907B_8860796	Ca_Kabuli_Chr04	NC_021163.1	8860796	GG	AA	AA	URR	101502441	leghemoglobin-like
SNP_14908B_8864676	Ca_Kabuli_Chr04	NC_021163.1	8864676	GG	AA	AA	URR	101502744	leghemoglobin-like
SNP_14912B_8877781	Ca_Kabuli_Chr04	NC_021163.1	8877781	TT	GG	GG	URR	101503611	coatomer subunit alpha-1-like
SNP_14913B_8878019	Ca_Kabuli_Chr04	NC_021163.1	8878019	AA	GG	GG	URR	101503611	coatomer subunit alpha-1-like
SNP_14914B_8878022	Ca_Kabuli_Chr04	NC_021163.1	8878022	CC	TT	TT	URR	101503611	coatomer subunit alpha-1-like
SNP_14915B_8878030	Ca_Kabuli_Chr04	NC_021163.1	8878030	GG	AA	AA	URR	101503611	coatomer subunit alpha-1-like
SNP_14916B_8878037	Ca_Kabuli_Chr04	NC_021163.1	8878037	TT	CC	CC	URR	101503611	coatomer subunit alpha-1-like
SNP_14917B_8878052	Ca_Kabuli_Chr04	NC_021163.1	8878052	TT	CC	CC	URR	101503611	coatomer subunit alpha-1-like
SNP_14918B_8878537	Ca_Kabuli_Chr04	NC_021163.1	8878537	AA	GG	GG	URR	101503611	coatomer subunit alpha-1-like
SNP_14919B_8884850	Ca_Kabuli_Chr04	NC_021163.1	8884850	GG	TT	TT	INTERGENIC		
SNP_14920B_8884871	Ca_Kabuli_Chr04	NC_021163.1	8884871	TT	CC	CC	INTERGENIC		
SNP_14921B_8884886	Ca_Kabuli_Chr04	NC_021163.1	8884886	GG	AA	AA	INTERGENIC		
SNP_14922B_8885076	Ca_Kabuli_Chr04	NC_021163.1	8885076	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_14923B_8887772	Ca_Kabuli_Chr04	NC_021163.1	8887772	TT	AA	AA	INTERGENIC		
SNP_14924B_8887981	Ca_Kabuli_Chr04	NC_021163.1	8887981	GG	AA	AA	INTERGENIC		
SNP_14925B_8889186	Ca_Kabuli_Chr04	NC_021163.1	8889186	CC	TT	TT	INTERGENIC		
SNP_14926B_8889226	Ca_Kabuli_Chr04	NC_021163.1	8889226	CC	TT	TT	INTERGENIC		
SNP_14928B_8894108	Ca_Kabuli_Chr04	NC_021163.1	8894108	AA	GG	GG	URR	101503936	cyclin-dependent protein kinase inhibitor SMR2
SNP_14930B_8895458	Ca_Kabuli_Chr04	NC_021163.1	8895458	CC	TT	TT	INTERGENIC		
SNP_14932B_8897630	Ca_Kabuli_Chr04	NC_021163.1	8897630	TT	AA	AA	INTERGENIC		
SNP_14936B_9065856	Ca_Kabuli_Chr04	NC_021163.1	9065856	TT	AA	AA	URR	101508654	pentatricopeptide repeat-containing protein At3g22470, mitochondrial-like
SNP_14938B_9066488	Ca_Kabuli_Chr04	NC_021163.1	9066488	TT	CC	CC	URR	101508654	pentatricopeptide repeat-containing protein At3g22470, mitochondrial-like
SNP_14939B_9083510	Ca_Kabuli_Chr04	NC_021163.1	9083510	AA	GG	GG	INTERGENIC		
SNP_14940B_9083720	Ca_Kabuli_Chr04	NC_021163.1	9083720	CC	TT	TT	INTERGENIC		
SNP_14941B_9126710	Ca_Kabuli_Chr04	NC_021163.1	9126710	GG	AA	AA	DRR	101498931	uncharacterized LOC101498931
SNP_14942B_9147377	Ca_Kabuli_Chr04	NC_021163.1	9147377	TT	CC	CC	URR	101510792	uncharacterized LOC101510792
SNP_14943B_9147380	Ca_Kabuli_Chr04	NC_021163.1	9147380	AA	GG	GG	URR	101510792	uncharacterized LOC101510792
SNP_14944B_9168500	Ca_Kabuli_Chr04	NC_021163.1	9168500	GG	AA	AA	INTERGENIC		
SNP_14946B_9230158	Ca_Kabuli_Chr04	NC_021163.1	9230158	AA	CC	CC	INTERGENIC		
SNP_14947B_9233240	Ca_Kabuli_Chr04	NC_021163.1	9233240	AA	GG	GG	INTERGENIC		
SNP_14948B_9233342	Ca_Kabuli_Chr04	NC_021163.1	9233342	TT	AA	AA	INTERGENIC		
SNP_14949B_9233352	Ca_Kabuli_Chr04	NC_021163.1	9233352	TT	AA	AA	INTERGENIC		
SNP_14950B_9233438	Ca_Kabuli_Chr04	NC_021163.1	9233438	AA	GG	GG	INTERGENIC		
SNP_14951B_9233485	Ca_Kabuli_Chr04	NC_021163.1	9233485	GG	AA	AA	INTERGENIC		
SNP_14952B_9233490	Ca_Kabuli_Chr04	NC_021163.1	9233490	TT	GG	GG	INTERGENIC		
SNP_14953B_9292463	Ca_Kabuli_Chr04	NC_021163.1	9292463	AA	GG	GG	URR	101513914	cytochrome P450 77A3-like
SNP_14954B_9347286	Ca_Kabuli_Chr04	NC_021163.1	9347286	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_14956B_9387971	Ca_Kabuli_Chr04	NC_021163.1	9387971	TT	CC	CC	INTERGENIC		
SNP_14957B_9387977	Ca_Kabuli_Chr04	NC_021163.1	9387977	AA	CC	CC	INTERGENIC		
SNP_14958B_9388158	Ca_Kabuli_Chr04	NC_021163.1	9388158	GG	AA	AA	INTERGENIC		
SNP_14959B_9388174	Ca_Kabuli_Chr04	NC_021163.1	9388174	GG	CC	CC	INTERGENIC		
SNP_14960B_9388180	Ca_Kabuli_Chr04	NC_021163.1	9388180	TT	AA	AA	INTERGENIC		
SNP_14961B_9388271	Ca_Kabuli_Chr04	NC_021163.1	9388271	GG	TT	TT	INTERGENIC		
SNP_14962B_9388273	Ca_Kabuli_Chr04	NC_021163.1	9388273	TT	CC	CC	INTERGENIC		
SNP_14964B_9627836	Ca_Kabuli_Chr04	NC_021163.1	9627836	AA	GG	GG	INTERGENIC		
SNP_14965B_9627880	Ca_Kabuli_Chr04	NC_021163.1	9627880	AA	CC	CC	INTERGENIC		
SNP_14966B_9627914	Ca_Kabuli_Chr04	NC_021163.1	9627914	TT	CC	CC	INTERGENIC		
SNP_14967B_9628456	Ca_Kabuli_Chr04	NC_021163.1	9628456	AA	GG	GG	INTERGENIC		
SNP_14968B_9628531	Ca_Kabuli_Chr04	NC_021163.1	9628531	GG	AA	AA	INTERGENIC		
SNP_14969B_9628564	Ca_Kabuli_Chr04	NC_021163.1	9628564	AA	TT	TT	INTERGENIC		
SNP_14970B_9628577	Ca_Kabuli_Chr04	NC_021163.1	9628577	AA	GG	GG	INTERGENIC		
SNP_14971B_9628578	Ca_Kabuli_Chr04	NC_021163.1	9628578	AA	GG	GG	INTERGENIC		
SNP_14972B_9628591	Ca_Kabuli_Chr04	NC_021163.1	9628591	CC	TT	TT	INTERGENIC		
SNP_14973B_9628622	Ca_Kabuli_Chr04	NC_021163.1	9628622	GG	AA	AA	INTERGENIC		
SNP_14974B_9628730	Ca_Kabuli_Chr04	NC_021163.1	9628730	AA	GG	GG	INTERGENIC		
SNP_14975B_9628733	Ca_Kabuli_Chr04	NC_021163.1	9628733	TT	AA	AA	INTERGENIC		
SNP_14976B_9628779	Ca_Kabuli_Chr04	NC_021163.1	9628779	CC	TT	TT	INTERGENIC		
SNP_14977B_9628805	Ca_Kabuli_Chr04	NC_021163.1	9628805	AA	TT	TT	INTERGENIC		
SNP_14978B_9628818	Ca_Kabuli_Chr04	NC_021163.1	9628818	CC	TT	TT	INTERGENIC		
SNP_14979B_9628831	Ca_Kabuli_Chr04	NC_021163.1	9628831	AA	TT	TT	INTERGENIC		
SNP_14980B_9628871	Ca_Kabuli_Chr04	NC_021163.1	9628871	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_14981B_9628911	Ca_Kabuli_Chr04	NC_021163.1	9628911	CC	TT	TT	INTERGENIC		
SNP_14982B_9628913	Ca_Kabuli_Chr04	NC_021163.1	9628913	AA	GG	GG	INTERGENIC		
SNP_14983B_9628972	Ca_Kabuli_Chr04	NC_021163.1	9628972	CC	AA	AA	INTERGENIC		
SNP_14984B_9629076	Ca_Kabuli_Chr04	NC_021163.1	9629076	TT	CC	CC	INTERGENIC		
SNP_14985B_9629079	Ca_Kabuli_Chr04	NC_021163.1	9629079	AA	TT	TT	INTERGENIC		
SNP_14986B_9629128	Ca_Kabuli_Chr04	NC_021163.1	9629128	GG	AA	AA	INTERGENIC		
SNP_14987B_9629129	Ca_Kabuli_Chr04	NC_021163.1	9629129	AA	GG	GG	INTERGENIC		
SNP_14988B_9629167	Ca_Kabuli_Chr04	NC_021163.1	9629167	TT	GG	GG	INTERGENIC		
SNP_14989B_9629168	Ca_Kabuli_Chr04	NC_021163.1	9629168	GG	TT	TT	INTERGENIC		
SNP_14990B_9629230	Ca_Kabuli_Chr04	NC_021163.1	9629230	GG	CC	CC	INTERGENIC		
SNP_14991B_9629237	Ca_Kabuli_Chr04	NC_021163.1	9629237	AA	TT	TT	INTERGENIC		
SNP_14992B_9629241	Ca_Kabuli_Chr04	NC_021163.1	9629241	GG	TT	TT	INTERGENIC		
SNP_14993B_9629263	Ca_Kabuli_Chr04	NC_021163.1	9629263	AA	GG	GG	INTERGENIC		
SNP_14994B_9629267	Ca_Kabuli_Chr04	NC_021163.1	9629267	CC	TT	TT	INTERGENIC		
SNP_14995B_9629402	Ca_Kabuli_Chr04	NC_021163.1	9629402	TT	CC	CC	INTERGENIC		
SNP_14996B_9629417	Ca_Kabuli_Chr04	NC_021163.1	9629417	TT	GG	GG	INTERGENIC		
SNP_14997B_9629477	Ca_Kabuli_Chr04	NC_021163.1	9629477	CC	TT	TT	INTERGENIC		
SNP_14998B_9629502	Ca_Kabuli_Chr04	NC_021163.1	9629502	AA	GG	GG	INTERGENIC		
SNP_14999B_9629549	Ca_Kabuli_Chr04	NC_021163.1	9629549	CC	TT	TT	INTERGENIC		
SNP_15000B_9629561	Ca_Kabuli_Chr04	NC_021163.1	9629561	CC	TT	TT	INTERGENIC		
SNP_15001B_9629562	Ca_Kabuli_Chr04	NC_021163.1	9629562	TT	CC	CC	INTERGENIC		
SNP_15002B_9629568	Ca_Kabuli_Chr04	NC_021163.1	9629568	GG	AA	AA	INTERGENIC		
SNP_15003B_9629632	Ca_Kabuli_Chr04	NC_021163.1	9629632	GG	AA	AA	INTERGENIC		
SNP_15004B_9629639	Ca_Kabuli_Chr04	NC_021163.1	9629639	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_15005B_9629683	Ca_Kabuli_Chr04	NC_021163.1	9629683	CC	AA	AA	INTERGENIC		
SNP_15006B_9629691	Ca_Kabuli_Chr04	NC_021163.1	9629691	TT	CC	CC	INTERGENIC		
SNP_15007B_9629749	Ca_Kabuli_Chr04	NC_021163.1	9629749	AA	GG	GG	INTERGENIC		
SNP_15008B_9629819	Ca_Kabuli_Chr04	NC_021163.1	9629819	CC	TT	TT	INTERGENIC		
SNP_15009B_9629825	Ca_Kabuli_Chr04	NC_021163.1	9629825	CC	GG	GG	INTERGENIC		
SNP_15010B_9629841	Ca_Kabuli_Chr04	NC_021163.1	9629841	TT	CC	CC	INTERGENIC		
SNP_15011B_9629855	Ca_Kabuli_Chr04	NC_021163.1	9629855	AA	TT	TT	INTERGENIC		
SNP_15012B_9629887	Ca_Kabuli_Chr04	NC_021163.1	9629887	GG	TT	TT	INTERGENIC		
SNP_15013B_9629924	Ca_Kabuli_Chr04	NC_021163.1	9629924	AA	GG	GG	INTERGENIC		
SNP_15014B_9629940	Ca_Kabuli_Chr04	NC_021163.1	9629940	CC	TT	TT	INTERGENIC		
SNP_15015B_9629971	Ca_Kabuli_Chr04	NC_021163.1	9629971	GG	AA	AA	INTERGENIC		
SNP_15016B_9629978	Ca_Kabuli_Chr04	NC_021163.1	9629978	TT	GG	GG	INTERGENIC		
SNP_15017B_9629995	Ca_Kabuli_Chr04	NC_021163.1	9629995	AA	CC	CC	INTERGENIC		
SNP_15018B_9630050	Ca_Kabuli_Chr04	NC_021163.1	9630050	AA	TT	TT	INTERGENIC		
SNP_15019B_9630065	Ca_Kabuli_Chr04	NC_021163.1	9630065	CC	TT	TT	INTERGENIC		
SNP_15020B_9630119	Ca_Kabuli_Chr04	NC_021163.1	9630119	AA	GG	GG	INTERGENIC		
SNP_15022B_9630161	Ca_Kabuli_Chr04	NC_021163.1	9630161	GG	AA	AA	INTERGENIC		
SNP_15023B_9630193	Ca_Kabuli_Chr04	NC_021163.1	9630193	CC	GG	GG	INTERGENIC		
SNP_15024B_9630199	Ca_Kabuli_Chr04	NC_021163.1	9630199	TT	GG	GG	INTERGENIC		
SNP_15025B_9630210	Ca_Kabuli_Chr04	NC_021163.1	9630210	GG	TT	TT	INTERGENIC		
SNP_15026B_9630214	Ca_Kabuli_Chr04	NC_021163.1	9630214	AA	GG	GG	INTERGENIC		
SNP_15027B_9630268	Ca_Kabuli_Chr04	NC_021163.1	9630268	CC	AA	AA	INTERGENIC		
SNP_15028B_9630282	Ca_Kabuli_Chr04	NC_021163.1	9630282	TT	CC	CC	INTERGENIC		
SNP_15030B_9630356	Ca_Kabuli_Chr04	NC_021163.1	9630356	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_15031B_9630406	Ca_Kabuli_Chr04	NC_021163.1	9630406	TT	AA	AA	INTERGENIC		
SNP_15032B_9630526	Ca_Kabuli_Chr04	NC_021163.1	9630526	AA	GG	GG	INTERGENIC		
SNP_15033B_9630530	Ca_Kabuli_Chr04	NC_021163.1	9630530	GG	TT	TT	INTERGENIC		
SNP_15034B_9630563	Ca_Kabuli_Chr04	NC_021163.1	9630563	CC	TT	TT	INTERGENIC		
SNP_15035B_9630650	Ca_Kabuli_Chr04	NC_021163.1	9630650	AA	CC	CC	INTERGENIC		
SNP_15036B_9630676	Ca_Kabuli_Chr04	NC_021163.1	9630676	TT	CC	CC	INTERGENIC		
SNP_15037B_9630679	Ca_Kabuli_Chr04	NC_021163.1	9630679	TT	CC	CC	INTERGENIC		
SNP_15038B_9630698	Ca_Kabuli_Chr04	NC_021163.1	9630698	AA	GG	GG	INTERGENIC		
SNP_15039B_9630902	Ca_Kabuli_Chr04	NC_021163.1	9630902	AA	TT	TT	INTERGENIC		
SNP_15040B_9631992	Ca_Kabuli_Chr04	NC_021163.1	9631992	TT	CC	CC	INTERGENIC		
SNP_15042B_9632840	Ca_Kabuli_Chr04	NC_021163.1	9632840	TT	AA	AA	INTERGENIC		
SNP_15043B_9632892	Ca_Kabuli_Chr04	NC_021163.1	9632892	AA	CC	CC	INTERGENIC		
SNP_15044B_9632908	Ca_Kabuli_Chr04	NC_021163.1	9632908	TT	AA	AA	INTERGENIC		
SNP_15045B_9632955	Ca_Kabuli_Chr04	NC_021163.1	9632955	TT	AA	AA	INTERGENIC		
SNP_15046B_9633046	Ca_Kabuli_Chr04	NC_021163.1	9633046	GG	AA	AA	INTERGENIC		
SNP_15047B_9633055	Ca_Kabuli_Chr04	NC_021163.1	9633055	AA	GG	GG	INTERGENIC		
SNP_15049B_9633935	Ca_Kabuli_Chr04	NC_021163.1	9633935	TT	GG	GG	INTERGENIC		
SNP_15050B_9633954	Ca_Kabuli_Chr04	NC_021163.1	9633954	CC	AA	AA	INTERGENIC		
SNP_15051B_9633978	Ca_Kabuli_Chr04	NC_021163.1	9633978	GG	AA	AA	INTERGENIC		
SNP_15052B_9685877	Ca_Kabuli_Chr04	NC_021163.1	9685877	AA	TT	TT	INTERGENIC		
SNP_15053B_9693394	Ca_Kabuli_Chr04	NC_021163.1	9693394	GG	AA	AA	INTERGENIC		
SNP_15055B_9708945	Ca_Kabuli_Chr04	NC_021163.1	9708945	TT	AA	AA	INTERGENIC		
SNP_15056B_9726008	Ca_Kabuli_Chr04	NC_021163.1	9726008	AA	GG	GG	INTERGENIC		
SNP_15057B_9726199	Ca_Kabuli_Chr04	NC_021163.1	9726199	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_15058B_9726356	Ca_Kabuli_Chr04	NC_021163.1	9726356	CC	TT	TT	INTERGENIC		
SNP_15059B_9726364	Ca_Kabuli_Chr04	NC_021163.1	9726364	AA	GG	GG	INTERGENIC		
SNP_15060B_9726681	Ca_Kabuli_Chr04	NC_021163.1	9726681	CC	TT	TT	INTERGENIC		
SNP_15061B_9726852	Ca_Kabuli_Chr04	NC_021163.1	9726852	GG	AA	AA	INTERGENIC		
SNP_15062B_9866135	Ca_Kabuli_Chr04	NC_021163.1	9866135	AA	TT	TT	URR	101501798	pentatricopeptide repeat-containing protein At1g05750, chloroplastic-like
SNP_15065B_10036376	Ca_Kabuli_Chr04	NC_021163.1	10036376	TT	CC	CC	INTERGENIC		
SNP_15066B_10063728	Ca_Kabuli_Chr04	NC_021163.1	10063728	AA	TT	TT	INTRON	101502746	synaptotagmin-3
SNP_15067B_10073518	Ca_Kabuli_Chr04	NC_021163.1	10073518	GG	AA	AA	INTERGENIC		
SNP_15068B_10107258	Ca_Kabuli_Chr04	NC_021163.1	10107258	CC	TT	TT	INTERGENIC		
SNP_15071B_10205947	Ca_Kabuli_Chr04	NC_021163.1	10205947	AA	GG	GG	URR	101515426	endoplasmic reticulum metallopeptidase 1
SNP_15073B_10240756	Ca_Kabuli_Chr04	NC_021163.1	10240756	GG	TT	TT	INTERGENIC		
SNP_15076B_10253310	Ca_Kabuli_Chr04	NC_021163.1	10253310	TT	GG	GG	INTERGENIC		
SNP_15077B_10253324	Ca_Kabuli_Chr04	NC_021163.1	10253324	CC	GG	GG	INTERGENIC		
SNP_15078B_10253370	Ca_Kabuli_Chr04	NC_021163.1	10253370	CC	AA	AA	INTERGENIC		
SNP_15079B_10253569	Ca_Kabuli_Chr04	NC_021163.1	10253569	AA	GG	GG	INTERGENIC		
SNP_15081B_10255449	Ca_Kabuli_Chr04	NC_021163.1	10255449	CC	TT	TT	INTERGENIC		
SNP_15082B_10255857	Ca_Kabuli_Chr04	NC_021163.1	10255857	AA	GG	GG	INTERGENIC		
SNP_15084B_10278083	Ca_Kabuli_Chr04	NC_021163.1	10278083	TT	CC	CC	INTERGENIC		
SNP_15085B_10278607	Ca_Kabuli_Chr04	NC_021163.1	10278607	GG	AA	AA	INTERGENIC		
SNP_15086B_10374933	Ca_Kabuli_Chr04	NC_021163.1	10374933	TT	CC	CC	INTERGENIC		
SNP_15087B_10378823	Ca_Kabuli_Chr04	NC_021163.1	10378823	TT	CC	CC	INTERGENIC		
SNP_15089B_10460294	Ca_Kabuli_Chr04	NC_021163.1	10460294	TT	AA	AA	INTERGENIC		
SNP_15090B_10508502	Ca_Kabuli_Chr04	NC_021163.1	10508502	GG	AA	AA	INTERGENIC		
SNP_15092B_10666731	Ca_Kabuli_Chr04	NC_021163.1	10666731	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_15093B_10757937	Ca_Kabuli_Chr04	NC_021163.1	10757937	TT	GG	GG	URR	101491857	transcription factor UPBEAT1-like
SNP_15094B_10757939	Ca_Kabuli_Chr04	NC_021163.1	10757939	TT	GG	GG	URR	101491857	transcription factor UPBEAT1-like
SNP_15096B_10879282	Ca_Kabuli_Chr04	NC_021163.1	10879282	TT	CC	CC	INTERGENIC		
SNP_15097B_10880231	Ca_Kabuli_Chr04	NC_021163.1	10880231	TT	AA	AA	INTERGENIC		
SNP_15098B_10880475	Ca_Kabuli_Chr04	NC_021163.1	10880475	TT	AA	AA	INTERGENIC		
SNP_15099B_10880480	Ca_Kabuli_Chr04	NC_021163.1	10880480	TT	CC	CC	INTERGENIC		
SNP_15100B_11003102	Ca_Kabuli_Chr04	NC_021163.1	11003102	TT	CC	CC	DRR	101492308	uncharacterized LOC101492308
SNP_15101B_11003109	Ca_Kabuli_Chr04	NC_021163.1	11003109	TT	CC	CC	DRR	101492308	uncharacterized LOC101492308
SNP_15102B_11003256	Ca_Kabuli_Chr04	NC_021163.1	11003256	AA	GG	GG	DRR	101492308	uncharacterized LOC101492308
SNP_15103B_11003479	Ca_Kabuli_Chr04	NC_021163.1	11003479	TT	CC	CC	NON_SYNONYMOUS_CODING	101492308	uncharacterized LOC101492308
SNP_15104B_11003672	Ca_Kabuli_Chr04	NC_021163.1	11003672	AA	GG	GG	NON_SYNONYMOUS_CODING	101492308	uncharacterized LOC101492308
SNP_15105B_11209560	Ca_Kabuli_Chr04	NC_021163.1	11209560	TT	CC	CC	INTRON	101508543	type I inositol 1,4,5-trisphosphate 5-phosphatase 1-like
SNP_15107B_11214334	Ca_Kabuli_Chr04	NC_021163.1	11214334	AA	CC	CC	INTRON	101508543	type I inositol 1,4,5-trisphosphate 5-phosphatase 1-like
SNP_15108B_11214337	Ca_Kabuli_Chr04	NC_021163.1	11214337	AA	TT	TT	INTRON	101508543	type I inositol 1,4,5-trisphosphate 5-phosphatase 1-like
SNP_15109B_11214469	Ca_Kabuli_Chr04	NC_021163.1	11214469	GG	AA	AA	INTERGENIC		
SNP_15110B_11215373	Ca_Kabuli_Chr04	NC_021163.1	11215373	TT	CC	CC	URR	101508543	type I inositol 1,4,5-trisphosphate 5-phosphatase 1-like
SNP_15111B_11216025	Ca_Kabuli_Chr04	NC_021163.1	11216025	TT	GG	GG	URR	101508543	type I inositol 1,4,5-trisphosphate 5-phosphatase 1-like
SNP_15112B_11216045	Ca_Kabuli_Chr04	NC_021163.1	11216045	GG	AA	AA	URR	101508543	type I inositol 1,4,5-trisphosphate 5-phosphatase 1-like
SNP_15114B_11216294	Ca_Kabuli_Chr04	NC_021163.1	11216294	CC	TT	TT	URR	101508543	type I inositol 1,4,5-trisphosphate 5-phosphatase 1-like
SNP_15115B_11216341	Ca_Kabuli_Chr04	NC_021163.1	11216341	AA	GG	GG	URR	101508543	type I inositol 1,4,5-trisphosphate 5-phosphatase 1-like
SNP_15116B_11218248	Ca_Kabuli_Chr04	NC_021163.1	11218248	AA	GG	GG	INTERGENIC		
SNP_15117B_11218249	Ca_Kabuli_Chr04	NC_021163.1	11218249	CC	TT	TT	INTERGENIC		
SNP_15118B_11225408	Ca_Kabuli_Chr04	NC_021163.1	11225408	AA	GG	GG	URR	101493945	uncharacterized LOC101493945
SNP_15119B_11226687	Ca_Kabuli_Chr04	NC_021163.1	11226687	GG	TT	TT	DRR	101509284	probable aquaporin NIP5-1

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_15120B_11228387	Ca_Kabuli_Chr04	NC_021163.1	11228387	GG	AA	AA	INTERGENIC		
SNP_15122B_11230003	Ca_Kabuli_Chr04	NC_021163.1	11230003	GG	AA	AA	INTERGENIC		
SNP_15123B_11237603	Ca_Kabuli_Chr04	NC_021163.1	11237603	TT	CC	CC	URR	101509598	probable choline kinase 1
SNP_15124B_11237628	Ca_Kabuli_Chr04	NC_021163.1	11237628	TT	CC	CC	URR	101509598	probable choline kinase 1
SNP_15125B_11237629	Ca_Kabuli_Chr04	NC_021163.1	11237629	GG	CC	CC	URR	101509598	probable choline kinase 1
SNP_15126B_11237634	Ca_Kabuli_Chr04	NC_021163.1	11237634	AA	GG	GG	URR	101509598	probable choline kinase 1
SNP_15127B_11237971	Ca_Kabuli_Chr04	NC_021163.1	11237971	CC	TT	TT	URR	101509598	probable choline kinase 1
SNP_15128B_11238332	Ca_Kabuli_Chr04	NC_021163.1	11238332	AA	GG	GG	DRR	101509931	ATP synthase mitochondrial F1 complex assembly factor 1-like
SNP_15129B_11239751	Ca_Kabuli_Chr04	NC_021163.1	11239751	CC	TT	TT	INTRON	101509931	ATP synthase mitochondrial F1 complex assembly factor 1-like
SNP_15130B_11241078	Ca_Kabuli_Chr04	NC_021163.1	11241078	CC	TT	TT	INTRON	101509931	ATP synthase mitochondrial F1 complex assembly factor 1-like
SNP_15131B_11250058	Ca_Kabuli_Chr04	NC_021163.1	11250058	TT	CC	CC	URR	101510252	S-adenosylmethionine carrier 1, chloroplastic/mitochondrial
SNP_15132B_11250992	Ca_Kabuli_Chr04	NC_021163.1	11250992	AA	CC	CC	INTERGENIC		
SNP_15133B_11251000	Ca_Kabuli_Chr04	NC_021163.1	11251000	CC	TT	TT	INTERGENIC		
SNP_15134B_11251596	Ca_Kabuli_Chr04	NC_021163.1	11251596	CC	AA	AA	DRR	101510794	carboxypeptidase D
SNP_15135B_11257370	Ca_Kabuli_Chr04	NC_021163.1	11257370	AA	GG	GG	SPLICE_SITE_REGION	101510794	carboxypeptidase D
SNP_15136B_11257398	Ca_Kabuli_Chr04	NC_021163.1	11257398	GG	AA	AA	INTRON	101510794	carboxypeptidase D
SNP_15137B_11259144	Ca_Kabuli_Chr04	NC_021163.1	11259144	CC	GG	GG	URR	101510794	carboxypeptidase D
SNP_15138B_11259378	Ca_Kabuli_Chr04	NC_021163.1	11259378	TT	AA	AA	URR	101510794	carboxypeptidase D
SNP_15139B_11261439	Ca_Kabuli_Chr04	NC_021163.1	11261439	CC	TT	TT	INTERGENIC		
SNP_15140B_11261470	Ca_Kabuli_Chr04	NC_021163.1	11261470	CC	TT	TT	INTERGENIC		
SNP_15141B_11266188	Ca_Kabuli_Chr04	NC_021163.1	11266188	CC	TT	TT	INTERGENIC		
SNP_15142B_11267552	Ca_Kabuli_Chr04	NC_021163.1	11267552	TT	CC	CC	INTERGENIC		
SNP_15144B_11270245	Ca_Kabuli_Chr04	NC_021163.1	11270245	CC	TT	TT	DRR	101511540	protein GIGANTEA
SNP_15146B_11272888	Ca_Kabuli_Chr04	NC_021163.1	11272888	TT	CC	CC	INTRON	101511540	protein GIGANTEA

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_15147B_11276937	Ca_Kabuli_Chr04	NC_021163.1	11276937	TT	CC	CC	SYNONYMOUS_CODING	101511540	protein GIGANTEA
SNP_15148B_11280490	Ca_Kabuli_Chr04	NC_021163.1	11280490	GG	AA	AA	URR	101511540	protein GIGANTEA
SNP_15149B_11281459	Ca_Kabuli_Chr04	NC_021163.1	11281459	CC	AA	AA	URR	101511540	protein GIGANTEA
SNP_15150B_11281484	Ca_Kabuli_Chr04	NC_021163.1	11281484	AA	TT	TT	URR	101511540	protein GIGANTEA
SNP_15151B_11281566	Ca_Kabuli_Chr04	NC_021163.1	11281566	GG	AA	AA	URR	101511540	protein GIGANTEA
SNP_15153B_11282076	Ca_Kabuli_Chr04	NC_021163.1	11282076	CC	TT	TT	URR	101511540	protein GIGANTEA
SNP_15154B_11282096	Ca_Kabuli_Chr04	NC_021163.1	11282096	CC	TT	TT	URR	101511540	protein GIGANTEA
SNP_15155B_11282129	Ca_Kabuli_Chr04	NC_021163.1	11282129	AA	CC	CC	URR	101511540	protein GIGANTEA
SNP_15156B_11282396	Ca_Kabuli_Chr04	NC_021163.1	11282396	CC	GG	GG	INTERGENIC		
SNP_15157B_11282402	Ca_Kabuli_Chr04	NC_021163.1	11282402	CC	TT	TT	INTERGENIC		
SNP_15158B_11282432	Ca_Kabuli_Chr04	NC_021163.1	11282432	TT	AA	AA	INTERGENIC		
SNP_15159B_11282464	Ca_Kabuli_Chr04	NC_021163.1	11282464	GG	AA	AA	INTERGENIC		
SNP_15160B_11289703	Ca_Kabuli_Chr04	NC_021163.1	11289703	AA	TT	TT	INTERGENIC		
SNP_15161B_11297517	Ca_Kabuli_Chr04	NC_021163.1	11297517	TT	CC	CC	INTERGENIC		
SNP_15163B_11300107	Ca_Kabuli_Chr04	NC_021163.1	11300107	CC	TT	TT	DRR	101512715	uncharacterized LOC101512715
SNP_15164B_11300138	Ca_Kabuli_Chr04	NC_021163.1	11300138	GG	AA	AA	DRR	101512715	uncharacterized LOC101512715
SNP_15165B_11300145	Ca_Kabuli_Chr04	NC_021163.1	11300145	CC	TT	TT	DRR	101512715	uncharacterized LOC101512715
SNP_15166B_11300182	Ca_Kabuli_Chr04	NC_021163.1	11300182	CC	GG	GG	DRR	101512715	uncharacterized LOC101512715
SNP_15167B_11300390	Ca_Kabuli_Chr04	NC_021163.1	11300390	TT	AA	AA	DRR	101512715	uncharacterized LOC101512715
SNP_15169B_11300673	Ca_Kabuli_Chr04	NC_021163.1	11300673	TT	GG	GG	DRR	101512715	uncharacterized LOC101512715
SNP_15170B_11301391	Ca_Kabuli_Chr04	NC_021163.1	11301391	CC	AA	AA	INTRON	id76129	Unknown function
SNP_15171B_11304410	Ca_Kabuli_Chr04	NC_021163.1	11304410	CC	TT	TT	INTRON	id76129	Unknown function
SNP_15172B_11309800	Ca_Kabuli_Chr04	NC_021163.1	11309800	GG	TT	TT	URR	101513041	uncharacterized LOC101513041
SNP_15173B_11310133	Ca_Kabuli_Chr04	NC_021163.1	11310133	GG	AA	AA	DRR	101513918	probable serine/threonine-protein kinase At1g54610

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_15174B_11310196	Ca_Kabuli_Chr04	NC_021163.1	11310196	TT	CC	CC	DRR	101513918	probable serine/threonine-protein kinase At1g54610
SNP_15175B_11310515	Ca_Kabuli_Chr04	NC_021163.1	11310515	GG	AA	AA	DRR	101513918	probable serine/threonine-protein kinase At1g54610
SNP_15176B_11310905	Ca_Kabuli_Chr04	NC_021163.1	11310905	TT	CC	CC	DRR	101513918	probable serine/threonine-protein kinase At1g54610
SNP_15177B_11310906	Ca_Kabuli_Chr04	NC_021163.1	11310906	GG	AA	AA	DRR	101513918	probable serine/threonine-protein kinase At1g54610
SNP_15180B_11313875	Ca_Kabuli_Chr04	NC_021163.1	11313875	TT	GG	GG	INTERGENIC		
SNP_15181B_11316859	Ca_Kabuli_Chr04	NC_021163.1	11316859	CC	TT	TT	URR	101513918	probable serine/threonine-protein kinase At1g54610
SNP_15183B_11317776	Ca_Kabuli_Chr04	NC_021163.1	11317776	TT	AA	AA	URR	101513366	Unknown function
SNP_15185B_11322212	Ca_Kabuli_Chr04	NC_021163.1	11322212	CC	TT	TT	INTERGENIC		
SNP_15186B_11322905	Ca_Kabuli_Chr04	NC_021163.1	11322905	AA	CC	CC	INTERGENIC		
SNP_15188B_11333618	Ca_Kabuli_Chr04	NC_021163.1	11333618	CC	GG	GG	NON_SYNONYMOUS_CODING	101514893	histone-lysine N-methyltransferase ASHH1
SNP_15189B_11338311	Ca_Kabuli_Chr04	NC_021163.1	11338311	TT	GG	GG	URR	101514893	histone-lysine N-methyltransferase ASHH1
SNP_15191B_11339294	Ca_Kabuli_Chr04	NC_021163.1	11339294	GG	AA	AA	URR	101514893	histone-lysine N-methyltransferase ASHH1
SNP_15192B_11339344	Ca_Kabuli_Chr04	NC_021163.1	11339344	CC	TT	TT	URR	101514893	histone-lysine N-methyltransferase ASHH1
SNP_15193B_11339390	Ca_Kabuli_Chr04	NC_021163.1	11339390	AA	GG	GG	URR	101514893	histone-lysine N-methyltransferase ASHH1
SNP_15194B_11339544	Ca_Kabuli_Chr04	NC_021163.1	11339544	TT	AA	AA	URR	101514893	histone-lysine N-methyltransferase ASHH1
SNP_15195B_11340498	Ca_Kabuli_Chr04	NC_021163.1	11340498	CC	TT	TT	INTERGENIC		
SNP_15196B_11347512	Ca_Kabuli_Chr04	NC_021163.1	11347512	AA	GG	GG	URR	101515218	protein S-acyltransferase 8-like
SNP_15197B_11347560	Ca_Kabuli_Chr04	NC_021163.1	11347560	GG	AA	AA	URR	101515218	protein S-acyltransferase 8-like
SNP_15198B_11347841	Ca_Kabuli_Chr04	NC_021163.1	11347841	GG	AA	AA	URR	101515218	protein S-acyltransferase 8-like
SNP_15199B_11347852	Ca_Kabuli_Chr04	NC_021163.1	11347852	CC	TT	TT	URR	101515218	protein S-acyltransferase 8-like
SNP_15200B_11347864	Ca_Kabuli_Chr04	NC_021163.1	11347864	TT	AA	AA	URR	101515218	protein S-acyltransferase 8-like
SNP_15201B_11350439	Ca_Kabuli_Chr04	NC_021163.1	11350439	AA	GG	GG	URR	101515541	uncharacterized LOC101515541
SNP_15202B_11355528	Ca_Kabuli_Chr04	NC_021163.1	11355528	CC	TT	TT	INTERGENIC		
SNP_15203B_11355625	Ca_Kabuli_Chr04	NC_021163.1	11355625	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_15204B_11355637	Ca_Kabuli_Chr04	NC_021163.1	11355637	GG	AA	AA	INTERGENIC		
SNP_15205B_11356335	Ca_Kabuli_Chr04	NC_021163.1	11356335	GG	AA	AA	INTERGENIC		
SNP_15206B_11359736	Ca_Kabuli_Chr04	NC_021163.1	11359736	GG	AA	AA	INTERGENIC		
SNP_15208B_11359854	Ca_Kabuli_Chr04	NC_021163.1	11359854	TT	AA	AA	INTERGENIC		
SNP_15209B_11359855	Ca_Kabuli_Chr04	NC_021163.1	11359855	TT	AA	AA	INTERGENIC		
SNP_15210B_11359918	Ca_Kabuli_Chr04	NC_021163.1	11359918	TT	CC	CC	INTERGENIC		
SNP_15211B_11360216	Ca_Kabuli_Chr04	NC_021163.1	11360216	GG	AA	AA	INTERGENIC		
SNP_15212B_11364212	Ca_Kabuli_Chr04	NC_021163.1	11364212	CC	TT	TT	URR	101488294	ethylene-responsive transcription factor ERF110-like
SNP_15213B_11364937	Ca_Kabuli_Chr04	NC_021163.1	11364937	AA	CC	CC	URR	101488294	ethylene-responsive transcription factor ERF110-like
SNP_15214B_11365261	Ca_Kabuli_Chr04	NC_021163.1	11365261	TT	GG	GG	URR	101488294	ethylene-responsive transcription factor ERF110-like
SNP_15215B_11365698	Ca_Kabuli_Chr04	NC_021163.1	11365698	TT	CC	CC	URR	101488294	ethylene-responsive transcription factor ERF110-like
SNP_15216B_11365921	Ca_Kabuli_Chr04	NC_021163.1	11365921	GG	AA	AA	URR	101488294	ethylene-responsive transcription factor ERF110-like
SNP_15217B_11366912	Ca_Kabuli_Chr04	NC_021163.1	11366912	CC	TT	TT	INTERGENIC		
SNP_15218B_11366921	Ca_Kabuli_Chr04	NC_021163.1	11366921	GG	AA	AA	INTERGENIC		
SNP_15220B_11370524	Ca_Kabuli_Chr04	NC_021163.1	11370524	AA	GG	GG	INTERGENIC		
SNP_15222B_11370978	Ca_Kabuli_Chr04	NC_021163.1	11370978	TT	AA	AA	INTERGENIC		
SNP_15223B_11373415	Ca_Kabuli_Chr04	NC_021163.1	11373415	AA	GG	GG	INTERGENIC		
SNP_15224B_11374984	Ca_Kabuli_Chr04	NC_021163.1	11374984	CC	AA	AA	INTERGENIC		
SNP_15225B_11376545	Ca_Kabuli_Chr04	NC_021163.1	11376545	TT	GG	GG	INTERGENIC		
SNP_15226B_11382277	Ca_Kabuli_Chr04	NC_021163.1	11382277	CC	TT	TT	URR	101488621	uncharacterized LOC101488621
SNP_15227B_11383377	Ca_Kabuli_Chr04	NC_021163.1	11383377	AA	TT	TT	INTERGENIC		
SNP_15228B_11395697	Ca_Kabuli_Chr04	NC_021163.1	11395697	TT	AA	AA	DRR	101490160	60S ribosomal protein L3-1
SNP_15229B_11400556	Ca_Kabuli_Chr04	NC_021163.1	11400556	TT	AA	AA	URR	101490160	60S ribosomal protein L3-1
SNP_15230B_11403703	Ca_Kabuli_Chr04	NC_021163.1	11403703	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_15231B_11403941	Ca_Kabuli_Chr04	NC_021163.1	11403941	TT	CC	CC	INTERGENIC		
SNP_15232B_11406943	Ca_Kabuli_Chr04	NC_021163.1	11406943	AA	CC	CC	INTERGENIC		
SNP_15233B_11415142	Ca_Kabuli_Chr04	NC_021163.1	11415142	GG	AA	AA	URR	101490808	G-box-binding factor 4-like
SNP_15234B_11415190	Ca_Kabuli_Chr04	NC_021163.1	11415190	TT	CC	CC	URR	101490808	G-box-binding factor 4-like
SNP_15235B_11415266	Ca_Kabuli_Chr04	NC_021163.1	11415266	TT	GG	GG	URR	101490808	G-box-binding factor 4-like
SNP_15236B_11415316	Ca_Kabuli_Chr04	NC_021163.1	11415316	GG	AA	AA	URR	101490808	G-box-binding factor 4-like
SNP_15237B_11415874	Ca_Kabuli_Chr04	NC_021163.1	11415874	CC	TT	TT	URR	101490808	G-box-binding factor 4-like
SNP_15238B_11425538	Ca_Kabuli_Chr04	NC_021163.1	11425538	TT	GG	GG	URR	101491663	sterol 3-beta-glucosyltransferase UGT80B1
SNP_15239B_11426473	Ca_Kabuli_Chr04	NC_021163.1	11426473	CC	AA	AA	URR	101491663	sterol 3-beta-glucosyltransferase UGT80B1
SNP_15240B_11434088	Ca_Kabuli_Chr04	NC_021163.1	11434088	TT	GG	GG	INTRON	101492422	uncharacterized LOC101492422
SNP_15241B_11434169	Ca_Kabuli_Chr04	NC_021163.1	11434169	AA	TT	TT	SYNONYMOUS_CODING	101492422	uncharacterized LOC101492422
SNP_15242B_11434967	Ca_Kabuli_Chr04	NC_021163.1	11434967	TT	CC	CC	INTRON	101492422	uncharacterized LOC101492422
SNP_15243B_11437977	Ca_Kabuli_Chr04	NC_021163.1	11437977	GG	TT	TT	URR	101492422	uncharacterized LOC101492422
SNP_15244B_11440311	Ca_Kabuli_Chr04	NC_021163.1	11440311	AA	CC	CC	DRR	101493087	40S ribosomal protein S18-like
SNP_15245B_11442383	Ca_Kabuli_Chr04	NC_021163.1	11442383	GG	CC	CC	INTERGENIC		
SNP_15246B_11444433	Ca_Kabuli_Chr04	NC_021163.1	11444433	CC	TT	TT	URR	101493087	40S ribosomal protein S18-like
SNP_15247B_11447439	Ca_Kabuli_Chr04	NC_021163.1	11447439	CC	TT	TT	INTERGENIC		
SNP_15248B_11451880	Ca_Kabuli_Chr04	NC_021163.1	11451880	TT	GG	GG	INTERGENIC		
SNP_15249B_11451925	Ca_Kabuli_Chr04	NC_021163.1	11451925	TT	GG	GG	INTERGENIC		
SNP_15250B_11452072	Ca_Kabuli_Chr04	NC_021163.1	11452072	TT	CC	CC	INTERGENIC		
SNP_15251B_11463040	Ca_Kabuli_Chr04	NC_021163.1	11463040	CC	AA	AA	URR	101493944	18.1 kDa class I heat shock protein
SNP_15252B_11463050	Ca_Kabuli_Chr04	NC_021163.1	11463050	AA	GG	GG	URR	101493944	18.1 kDa class I heat shock protein
SNP_15253B_11463057	Ca_Kabuli_Chr04	NC_021163.1	11463057	GG	AA	AA	URR	101493944	18.1 kDa class I heat shock protein
SNP_15254B_11466893	Ca_Kabuli_Chr04	NC_021163.1	11466893	GG	AA	AA	URR	101494271	uncharacterized LOC101494271

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_15255B_11466938	Ca_Kabuli_Chr04	NC_021163.1	11466938	AA	TT	TT	URR	101494271	uncharacterized LOC101494271
SNP_15256B_11466952	Ca_Kabuli_Chr04	NC_021163.1	11466952	TT	CC	CC	URR	101494271	uncharacterized LOC101494271
SNP_15257B_11468305	Ca_Kabuli_Chr04	NC_021163.1	11468305	TT	CC	CC	INTERGENIC		
SNP_15258B_11468769	Ca_Kabuli_Chr04	NC_021163.1	11468769	AA	GG	GG	INTERGENIC		
SNP_15259B_11468777	Ca_Kabuli_Chr04	NC_021163.1	11468777	CC	TT	TT	INTERGENIC		
SNP_15260B_11470018	Ca_Kabuli_Chr04	NC_021163.1	11470018	GG	AA	AA	INTERGENIC		
SNP_15261B_11470486	Ca_Kabuli_Chr04	NC_021163.1	11470486	GG	AA	AA	INTERGENIC		
SNP_15262B_11471347	Ca_Kabuli_Chr04	NC_021163.1	11471347	TT	CC	CC	INTERGENIC		
SNP_15263B_11471596	Ca_Kabuli_Chr04	NC_021163.1	11471596	TT	CC	CC	INTERGENIC		
SNP_15264B_11471641	Ca_Kabuli_Chr04	NC_021163.1	11471641	AA	GG	GG	INTERGENIC		
SNP_15265B_11472055	Ca_Kabuli_Chr04	NC_021163.1	11472055	AA	TT	TT	INTERGENIC		
SNP_15266B_11473092	Ca_Kabuli_Chr04	NC_021163.1	11473092	TT	CC	CC	INTERGENIC		
SNP_15267B_11481701	Ca_Kabuli_Chr04	NC_021163.1	11481701	AA	GG	GG	INTERGENIC		
SNP_15268B_11481705	Ca_Kabuli_Chr04	NC_021163.1	11481705	CC	GG	GG	INTERGENIC		
SNP_15269B_11482001	Ca_Kabuli_Chr04	NC_021163.1	11482001	CC	AA	AA	INTERGENIC		
SNP_15271B_11512609	Ca_Kabuli_Chr04	NC_021163.1	11512609	GG	TT	TT	INTERGENIC		
SNP_15272B_11512678	Ca_Kabuli_Chr04	NC_021163.1	11512678	GG	CC	CC	INTERGENIC		
SNP_15273B_11514870	Ca_Kabuli_Chr04	NC_021163.1	11514870	AA	CC	CC	INTERGENIC		
SNP_15274B_11515735	Ca_Kabuli_Chr04	NC_021163.1	11515735	CC	TT	TT	INTERGENIC		
SNP_15275B_11515774	Ca_Kabuli_Chr04	NC_021163.1	11515774	GG	TT	TT	INTERGENIC		
SNP_15276B_11516293	Ca_Kabuli_Chr04	NC_021163.1	11516293	AA	GG	GG	INTERGENIC		
SNP_15277B_11516379	Ca_Kabuli_Chr04	NC_021163.1	11516379	AA	GG	GG	INTERGENIC		
SNP_15278B_11516547	Ca_Kabuli_Chr04	NC_021163.1	11516547	TT	CC	CC	INTERGENIC		
SNP_15279B_11518068	Ca_Kabuli_Chr04	NC_021163.1	11518068	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_15280B_11519124	Ca_Kabuli_Chr04	NC_021163.1	11519124	GG	AA	AA	INTERGENIC		
SNP_15281B_11519400	Ca_Kabuli_Chr04	NC_021163.1	11519400	CC	TT	TT	INTERGENIC		
SNP_15282B_11519562	Ca_Kabuli_Chr04	NC_021163.1	11519562	AA	GG	GG	INTERGENIC		
SNP_15283B_11520644	Ca_Kabuli_Chr04	NC_021163.1	11520644	AA	GG	GG	INTERGENIC		
SNP_15284B_11527693	Ca_Kabuli_Chr04	NC_021163.1	11527693	AA	GG	GG	INTERGENIC		
SNP_15285B_11535139	Ca_Kabuli_Chr04	NC_021163.1	11535139	CC	GG	GG	INTERGENIC		
SNP_15286B_11535170	Ca_Kabuli_Chr04	NC_021163.1	11535170	GG	AA	AA	INTERGENIC		
SNP_15287B_11535179	Ca_Kabuli_Chr04	NC_021163.1	11535179	CC	TT	TT	INTERGENIC		
SNP_15288B_11535372	Ca_Kabuli_Chr04	NC_021163.1	11535372	CC	TT	TT	INTERGENIC		
SNP_15289B_11535422	Ca_Kabuli_Chr04	NC_021163.1	11535422	GG	AA	AA	INTERGENIC		
SNP_15291B_11539400	Ca_Kabuli_Chr04	NC_021163.1	11539400	CC	TT	TT	INTERGENIC		
SNP_15292B_11541352	Ca_Kabuli_Chr04	NC_021163.1	11541352	GG	AA	AA	INTERGENIC		
SNP_15293B_11541376	Ca_Kabuli_Chr04	NC_021163.1	11541376	GG	CC	CC	INTERGENIC		
SNP_15294B_11541377	Ca_Kabuli_Chr04	NC_021163.1	11541377	GG	AA	AA	INTERGENIC		
SNP_15295B_11543414	Ca_Kabuli_Chr04	NC_021163.1	11543414	TT	AA	AA	INTERGENIC		
SNP_15296B_11544688	Ca_Kabuli_Chr04	NC_021163.1	11544688	TT	CC	CC	INTERGENIC		
SNP_15297B_11548952	Ca_Kabuli_Chr04	NC_021163.1	11548952	TT	CC	CC	INTERGENIC		
SNP_15299B_11550598	Ca_Kabuli_Chr04	NC_021163.1	11550598	CC	AA	AA	INTERGENIC		
SNP_15300B_11555593	Ca_Kabuli_Chr04	NC_021163.1	11555593	GG	AA	AA	URR	101495539	trihelix transcription factor GT-2-like
SNP_15301B_11555811	Ca_Kabuli_Chr04	NC_021163.1	11555811	GG	AA	AA	URR	101495539	trihelix transcription factor GT-2-like
SNP_15302B_11555823	Ca_Kabuli_Chr04	NC_021163.1	11555823	AA	CC	CC	URR	101495539	trihelix transcription factor GT-2-like
SNP_15303B_11555947	Ca_Kabuli_Chr04	NC_021163.1	11555947	GG	AA	AA	URR	101495539	trihelix transcription factor GT-2-like
SNP_15306B_11788317	Ca_Kabuli_Chr04	NC_021163.1	11788317	CC	GG	GG	INTERGENIC		
SNP_15307B_11793596	Ca_Kabuli_Chr04	NC_021163.1	11793596	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_15308B_11812023	Ca_Kabuli_Chr04	NC_021163.1	11812023	TT	CC	CC	INTERGENIC		
SNP_15310B_11877745	Ca_Kabuli_Chr04	NC_021163.1	11877745	GG	AA	AA	INTRON	101504155	protein timeless homolog
SNP_15311B_11926380	Ca_Kabuli_Chr04	NC_021163.1	11926380	TT	AA	AA	INTRON	101506297	uncharacterized AAA domain-containing protein C16E9.10c like
SNP_15312B_11974769	Ca_Kabuli_Chr04	NC_021163.1	11974769	TT	AA	AA	URR	101410577	transfer RNA alanine (anticodon UGC)
SNP_15315B_12127747	Ca_Kabuli_Chr04	NC_021163.1	12127747	AA	TT	TT	INTERGENIC		
SNP_15318B_12331116	Ca_Kabuli_Chr04	NC_021163.1	12331116	AA	GG	GG	URR	101493736	signal peptide peptidase-like 1
SNP_15319B_12338538	Ca_Kabuli_Chr04	NC_021163.1	12338538	GG	TT	TT	INTERGENIC		
SNP_15320B_12338543	Ca_Kabuli_Chr04	NC_021163.1	12338543	CC	GG	GG	INTERGENIC		
SNP_15321B_12338791	Ca_Kabuli_Chr04	NC_021163.1	12338791	TT	GG	GG	INTERGENIC		
SNP_15322B_12338916	Ca_Kabuli_Chr04	NC_021163.1	12338916	AA	GG	GG	INTERGENIC		
SNP_15323B_12339312	Ca_Kabuli_Chr04	NC_021163.1	12339312	CC	TT	TT	INTERGENIC		
SNP_15325B_12446195	Ca_Kabuli_Chr04	NC_021163.1	12446195	AA	TT	TT	DRR	101495974	zinc finger CCHC domain-containing protein 9-like
SNP_15326B_12475985	Ca_Kabuli_Chr04	NC_021163.1	12475985	GG	CC	CC	DRR	101498053	small acidic protein 1-like
SNP_15327B_12479878	Ca_Kabuli_Chr04	NC_021163.1	12479878	AA	GG	GG	INTERGENIC		
SNP_15328B_12481059	Ca_Kabuli_Chr04	NC_021163.1	12481059	GG	AA	AA	INTERGENIC		
SNP_15329B_12481076	Ca_Kabuli_Chr04	NC_021163.1	12481076	AA	GG	GG	INTERGENIC		
SNP_15330B_12481099	Ca_Kabuli_Chr04	NC_021163.1	12481099	AA	GG	GG	INTERGENIC		
SNP_15331B_12481455	Ca_Kabuli_Chr04	NC_021163.1	12481455	TT	CC	CC	DRR	101498390	LRR receptor-like serine/threonine-protein kinase GSO1
SNP_15332B_12481469	Ca_Kabuli_Chr04	NC_021163.1	12481469	GG	TT	TT	DRR	101498390	LRR receptor-like serine/threonine-protein kinase GSO1
SNP_15333B_12482093	Ca_Kabuli_Chr04	NC_021163.1	12482093	GG	AA	AA	DRR	101498390	LRR receptor-like serine/threonine-protein kinase GSO1
SNP_15334B_12482107	Ca_Kabuli_Chr04	NC_021163.1	12482107	CC	TT	TT	DRR	101498390	LRR receptor-like serine/threonine-protein kinase GSO1
SNP_15335B_12485612	Ca_Kabuli_Chr04	NC_021163.1	12485612	TT	AA	AA	INTERGENIC		
SNP_15336B_12485615	Ca_Kabuli_Chr04	NC_021163.1	12485615	TT	CC	CC	INTERGENIC		
SNP_15337B_12488209	Ca_Kabuli_Chr04	NC_021163.1	12488209	AA	TT	TT	DRR	101499257	pentatricopeptide repeat-containing protein At1g55630-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_15338B_12489765	Ca_Kabuli_Chr04	NC_021163.1	12489765	AA	GG	GG	URR	101498730	uncharacterized LOC101498730
SNP_15339B_12489785	Ca_Kabuli_Chr04	NC_021163.1	12489785	AA	TT	TT	URR	101498730	uncharacterized LOC101498730
SNP_15340B_12493643	Ca_Kabuli_Chr04	NC_021163.1	12493643	AA	GG	GG	DRR	101500742	low-temperature-induced 65 kDa protein-like
SNP_15342B_12493665	Ca_Kabuli_Chr04	NC_021163.1	12493665	AA	GG	GG	DRR	101500742	low-temperature-induced 65 kDa protein-like
SNP_15343B_12493668	Ca_Kabuli_Chr04	NC_021163.1	12493668	CC	TT	TT	DRR	101500742	low-temperature-induced 65 kDa protein-like
SNP_15344B_12497577	Ca_Kabuli_Chr04	NC_021163.1	12497577	CC	GG	GG	INTERGENIC		
SNP_15345B_12498559	Ca_Kabuli_Chr04	NC_021163.1	12498559	CC	TT	TT	INTERGENIC		
SNP_15346B_12498589	Ca_Kabuli_Chr04	NC_021163.1	12498589	AA	TT	TT	INTERGENIC		
SNP_15347B_12507364	Ca_Kabuli_Chr04	NC_021163.1	12507364	TT	AA	AA	INTERGENIC		
SNP_15348B_12507374	Ca_Kabuli_Chr04	NC_021163.1	12507374	CC	GG	GG	INTERGENIC		
SNP_15349B_12507678	Ca_Kabuli_Chr04	NC_021163.1	12507678	GG	AA	AA	INTERGENIC		
SNP_15350B_12507685	Ca_Kabuli_Chr04	NC_021163.1	12507685	CC	TT	TT	INTERGENIC		
SNP_15351B_12507686	Ca_Kabuli_Chr04	NC_021163.1	12507686	GG	AA	AA	INTERGENIC		
SNP_15352B_12507701	Ca_Kabuli_Chr04	NC_021163.1	12507701	TT	CC	CC	INTERGENIC		
SNP_15353B_12512074	Ca_Kabuli_Chr04	NC_021163.1	12512074	TT	CC	CC	INTERGENIC		
SNP_15354B_12520282	Ca_Kabuli_Chr04	NC_021163.1	12520282	TT	AA	AA	DRR	101500328	transmembrane ascorbate ferrireductase 1
SNP_15356B_12520637	Ca_Kabuli_Chr04	NC_021163.1	12520637	GG	AA	AA	DRR	101500328	transmembrane ascorbate ferrireductase 1
SNP_15357B_12522804	Ca_Kabuli_Chr04	NC_021163.1	12522804	GG	AA	AA	INTRON	101500328	transmembrane ascorbate ferrireductase 1
SNP_15358B_12522933	Ca_Kabuli_Chr04	NC_021163.1	12522933	TT	CC	CC	INTRON	101500328	transmembrane ascorbate ferrireductase 1
SNP_15359B_12523474	Ca_Kabuli_Chr04	NC_021163.1	12523474	GG	TT	TT	INTRON	101500328	transmembrane ascorbate ferrireductase 1
SNP_15360B_12523537	Ca_Kabuli_Chr04	NC_021163.1	12523537	GG	AA	AA	INTRON	101500328	transmembrane ascorbate ferrireductase 1
SNP_15361B_12523543	Ca_Kabuli_Chr04	NC_021163.1	12523543	CC	TT	TT	INTRON	101500328	transmembrane ascorbate ferrireductase 1
SNP_15362B_12524032	Ca_Kabuli_Chr04	NC_021163.1	12524032	TT	AA	AA	INTRON	101500328	transmembrane ascorbate ferrireductase 1
SNP_15363B_12526023	Ca_Kabuli_Chr04	NC_021163.1	12526023	GG	TT	TT	INTRON	101500328	transmembrane ascorbate ferrireductase 1

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_15364B_12528782	Ca_Kabuli_Chr04	NC_021163.1	12528782	AA	CC	CC	URR	101500328	transmembrane ascorbate ferrireductase 1
SNP_15365B_12528853	Ca_Kabuli_Chr04	NC_021163.1	12528853	AA	GG	GG	URR	101500328	transmembrane ascorbate ferrireductase 1
SNP_15368B_12529509	Ca_Kabuli_Chr04	NC_021163.1	12529509	AA	GG	GG	INTERGENIC		
SNP_15369B_12529666	Ca_Kabuli_Chr04	NC_021163.1	12529666	GG	TT	TT	DRR	101501168	remorin-like
SNP_15370B_12530287	Ca_Kabuli_Chr04	NC_021163.1	12530287	TT	CC	CC	DRR	101501168	remorin-like
SNP_15372B_12542364	Ca_Kabuli_Chr04	NC_021163.1	12542364	GG	AA	AA	INTERGENIC		
SNP_15373B_12547847	Ca_Kabuli_Chr04	NC_021163.1	12547847	CC	TT	TT	INTERGENIC		
SNP_15374B_12550882	Ca_Kabuli_Chr04	NC_021163.1	12550882	AA	CC	CC	INTERGENIC		
SNP_15375B_12550942	Ca_Kabuli_Chr04	NC_021163.1	12550942	CC	TT	TT	INTERGENIC		
SNP_15376B_12551202	Ca_Kabuli_Chr04	NC_021163.1	12551202	GG	AA	AA	INTERGENIC		
SNP_15377B_12555232	Ca_Kabuli_Chr04	NC_021163.1	12555232	CC	GG	GG	DRR	101501485	pre-mRNA cleavage factor Im 25 kDa subunit 2
SNP_15378B_12556174	Ca_Kabuli_Chr04	NC_021163.1	12556174	GG	TT	TT	INTERGENIC		
SNP_15379B_12563092	Ca_Kabuli_Chr04	NC_021163.1	12563092	GG	AA	AA	INTERGENIC		
SNP_15380B_12563110	Ca_Kabuli_Chr04	NC_021163.1	12563110	GG	AA	AA	INTERGENIC		
SNP_15381B_12563442	Ca_Kabuli_Chr04	NC_021163.1	12563442	GG	AA	AA	INTERGENIC		
SNP_15382B_12563670	Ca_Kabuli_Chr04	NC_021163.1	12563670	GG	TT	TT	INTERGENIC		
SNP_15383B_12563697	Ca_Kabuli_Chr04	NC_021163.1	12563697	GG	AA	AA	INTERGENIC		
SNP_15384B_12563950	Ca_Kabuli_Chr04	NC_021163.1	12563950	AA	GG	GG	INTERGENIC		
SNP_15385B_12563954	Ca_Kabuli_Chr04	NC_021163.1	12563954	CC	TT	TT	INTERGENIC		
SNP_15386B_12563967	Ca_Kabuli_Chr04	NC_021163.1	12563967	GG	AA	AA	INTERGENIC		
SNP_15387B_12564160	Ca_Kabuli_Chr04	NC_021163.1	12564160	CC	TT	TT	INTERGENIC		
SNP_15388B_12565567	Ca_Kabuli_Chr04	NC_021163.1	12565567	CC	AA	AA	INTERGENIC		
SNP_15389B_12565581	Ca_Kabuli_Chr04	NC_021163.1	12565581	AA	TT	TT	INTERGENIC		
SNP_15390B_12566319	Ca_Kabuli_Chr04	NC_021163.1	12566319	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_15391B_12566324	Ca_Kabuli_Chr04	NC_021163.1	12566324	CC	AA	AA	INTERGENIC		
SNP_15392B_12566325	Ca_Kabuli_Chr04	NC_021163.1	12566325	GG	TT	TT	INTERGENIC		
SNP_15393B_12566762	Ca_Kabuli_Chr04	NC_021163.1	12566762	TT	GG	GG	INTERGENIC		
SNP_15394B_12566786	Ca_Kabuli_Chr04	NC_021163.1	12566786	GG	AA	AA	INTERGENIC		
SNP_15395B_12566801	Ca_Kabuli_Chr04	NC_021163.1	12566801	GG	AA	AA	INTERGENIC		
SNP_15396B_12570705	Ca_Kabuli_Chr04	NC_021163.1	12570705	CC	TT	TT	URR	101501799	homoserine kinase
SNP_15397B_12570762	Ca_Kabuli_Chr04	NC_021163.1	12570762	GG	AA	AA	URR	101501799	homoserine kinase
SNP_15399B_12571754	Ca_Kabuli_Chr04	NC_021163.1	12571754	AA	GG	GG	URR	101501799	homoserine kinase
SNP_15401B_12572822	Ca_Kabuli_Chr04	NC_021163.1	12572822	TT	CC	CC	INTERGENIC		
SNP_15402B_12573142	Ca_Kabuli_Chr04	NC_021163.1	12573142	TT	CC	CC	DRR	101502126	DNA mismatch repair protein MSH3
SNP_15403B_12573172	Ca_Kabuli_Chr04	NC_021163.1	12573172	CC	TT	TT	DRR	101502126	DNA mismatch repair protein MSH3
SNP_15404B_12573193	Ca_Kabuli_Chr04	NC_021163.1	12573193	TT	GG	GG	DRR	101502126	DNA mismatch repair protein MSH3
SNP_15406B_12577739	Ca_Kabuli_Chr04	NC_021163.1	12577739	GG	CC	CC	INTRON	101502126	DNA mismatch repair protein MSH3
SNP_15407B_12577773	Ca_Kabuli_Chr04	NC_021163.1	12577773	TT	AA	AA	INTRON	101502126	DNA mismatch repair protein MSH3
SNP_15408B_12577800	Ca_Kabuli_Chr04	NC_021163.1	12577800	TT	AA	AA	INTRON	101502126	DNA mismatch repair protein MSH3
SNP_15409B_12579528	Ca_Kabuli_Chr04	NC_021163.1	12579528	CC	AA	AA	INTRON	101502126	DNA mismatch repair protein MSH3
SNP_15410B_12582935	Ca_Kabuli_Chr04	NC_021163.1	12582935	GG	AA	AA	INTRON	101502126	DNA mismatch repair protein MSH3
SNP_15412B_12583349	Ca_Kabuli_Chr04	NC_021163.1	12583349	AA	TT	TT	INTRON	101502126	DNA mismatch repair protein MSH3
SNP_15413B_12583366	Ca_Kabuli_Chr04	NC_021163.1	12583366	CC	TT	TT	INTRON	101502126	DNA mismatch repair protein MSH3
SNP_15414B_12586768	Ca_Kabuli_Chr04	NC_021163.1	12586768	CC	TT	TT	INTERGENIC		
SNP_15415B_12589390	Ca_Kabuli_Chr04	NC_021163.1	12589390	CC	TT	TT	INTRON	101502550	F-box/LRR-repeat protein At3g48880
SNP_15416B_12589402	Ca_Kabuli_Chr04	NC_021163.1	12589402	GG	AA	AA	INTRON	101502550	F-box/LRR-repeat protein At3g48880
SNP_15417B_12592493	Ca_Kabuli_Chr04	NC_021163.1	12592493	GG	AA	AA	URR	101502550	F-box/LRR-repeat protein At3g48880
SNP_15418B_12592697	Ca_Kabuli_Chr04	NC_021163.1	12592697	CC	AA	AA	URR	101502550	F-box/LRR-repeat protein At3g48880

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_15419B_12592698	Ca_Kabuli_Chr04	NC_021163.1	12592698	AA	TT	TT	URR	101502550	F-box/LRR-repeat protein At3g48880
SNP_15420B_12592973	Ca_Kabuli_Chr04	NC_021163.1	12592973	CC	AA	AA	URR	101502550	F-box/LRR-repeat protein At3g48880
SNP_15421B_12593349	Ca_Kabuli_Chr04	NC_021163.1	12593349	AA	TT	TT	DRR	101502864	membrane steroid-binding protein 1-like
SNP_15422B_12597123	Ca_Kabuli_Chr04	NC_021163.1	12597123	GG	AA	AA	URR	101502864	membrane steroid-binding protein 1-like
SNP_15423B_12599315	Ca_Kabuli_Chr04	NC_021163.1	12599315	GG	AA	AA	URR	101503187	Unknown function
SNP_15424B_12599342	Ca_Kabuli_Chr04	NC_021163.1	12599342	GG	AA	AA	URR	101503187	Unknown function
SNP_15425B_12601567	Ca_Kabuli_Chr04	NC_021163.1	12601567	TT	GG	GG	INTERGENIC		
SNP_15426B_12604563	Ca_Kabuli_Chr04	NC_021163.1	12604563	AA	GG	GG	INTERGENIC		
SNP_15427B_12604564	Ca_Kabuli_Chr04	NC_021163.1	12604564	TT	GG	GG	INTERGENIC		
SNP_15428B_12604571	Ca_Kabuli_Chr04	NC_021163.1	12604571	AA	CC	CC	INTERGENIC		
SNP_15429B_12605815	Ca_Kabuli_Chr04	NC_021163.1	12605815	TT	AA	AA	INTERGENIC		
SNP_15430B_12607787	Ca_Kabuli_Chr04	NC_021163.1	12607787	GG	CC	CC	INTERGENIC		
SNP_15431B_12607854	Ca_Kabuli_Chr04	NC_021163.1	12607854	AA	GG	GG	INTERGENIC		
SNP_15432B_12607859	Ca_Kabuli_Chr04	NC_021163.1	12607859	GG	CC	CC	INTERGENIC		
SNP_15433B_12607864	Ca_Kabuli_Chr04	NC_021163.1	12607864	TT	AA	AA	INTERGENIC		
SNP_15434B_12607892	Ca_Kabuli_Chr04	NC_021163.1	12607892	AA	TT	TT	INTERGENIC		
SNP_15435B_12607924	Ca_Kabuli_Chr04	NC_021163.1	12607924	GG	TT	TT	INTERGENIC		
SNP_15436B_12612005	Ca_Kabuli_Chr04	NC_021163.1	12612005	AA	GG	GG	URR	101503506	RING-H2 finger protein ATL73-like
SNP_15437B_12622076	Ca_Kabuli_Chr04	NC_021163.1	12622076	CC	TT	TT	INTERGENIC		
SNP_15438B_12627568	Ca_Kabuli_Chr04	NC_021163.1	12627568	AA	GG	GG	INTERGENIC		
SNP_15439B_12628062	Ca_Kabuli_Chr04	NC_021163.1	12628062	GG	TT	TT	INTERGENIC		
SNP_15441B_12676345	Ca_Kabuli_Chr04	NC_021163.1	12676345	GG	AA	AA	INTERGENIC		
SNP_15442B_12676398	Ca_Kabuli_Chr04	NC_021163.1	12676398	GG	AA	AA	INTERGENIC		
SNP_15443B_12676452	Ca_Kabuli_Chr04	NC_021163.1	12676452	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_15444B_12676486	Ca_Kabuli_Chr04	NC_021163.1	12676486	TT	CC	CC	INTERGENIC		
SNP_15445B_12676665	Ca_Kabuli_Chr04	NC_021163.1	12676665	AA	GG	GG	INTERGENIC		
SNP_15446B_12676713	Ca_Kabuli_Chr04	NC_021163.1	12676713	AA	GG	GG	INTERGENIC		
SNP_15447B_12676757	Ca_Kabuli_Chr04	NC_021163.1	12676757	GG	AA	AA	INTERGENIC		
SNP_15448B_12676758	Ca_Kabuli_Chr04	NC_021163.1	12676758	GG	CC	CC	INTERGENIC		
SNP_15449B_12676766	Ca_Kabuli_Chr04	NC_021163.1	12676766	AA	GG	GG	INTERGENIC		
SNP_15450B_12772311	Ca_Kabuli_Chr04	NC_021163.1	12772311	GG	TT	TT	INTERGENIC		
SNP_15451B_12798952	Ca_Kabuli_Chr04	NC_021163.1	12798952	AA	GG	GG	INTERGENIC		
SNP_15452B_12926479	Ca_Kabuli_Chr04	NC_021163.1	12926479	CC	TT	TT	SYNONYMOUS_CODING	101502332	Unknown function
SNP_15453B_12986909	Ca_Kabuli_Chr04	NC_021163.1	12986909	TT	CC	CC	INTRON	101490273	phosphoglucomutase, chloroplastic
SNP_15454B_13092972	Ca_Kabuli_Chr04	NC_021163.1	13092972	CC	TT	TT	INTERGENIC		
SNP_15455B_13161136	Ca_Kabuli_Chr04	NC_021163.1	13161136	TT	CC	CC	DRR	101496094	LRR receptor-like serine/threonine-protein kinase ERL1
SNP_15456B_13214301	Ca_Kabuli_Chr04	NC_021163.1	13214301	GG	AA	AA	INTERGENIC		
SNP_15457B_13215821	Ca_Kabuli_Chr04	NC_021163.1	13215821	AA	GG	GG	INTERGENIC		
SNP_15458B_13242649	Ca_Kabuli_Chr04	NC_021163.1	13242649	GG	AA	AA	URR	101498933	stem-specific protein TSJT1
SNP_15460B_13436788	Ca_Kabuli_Chr04	NC_021163.1	13436788	AA	GG	GG	INTERGENIC		
SNP_15462B_13510544	Ca_Kabuli_Chr04	NC_021163.1	13510544	GG	AA	AA	INTERGENIC		
SNP_15464B_13555410	Ca_Kabuli_Chr04	NC_021163.1	13555410	GG	AA	AA	URR	101510695	vicilin-like
SNP_15465B_13555506	Ca_Kabuli_Chr04	NC_021163.1	13555506	CC	TT	TT	URR	101510695	vicilin-like
SNP_15466B_13555515	Ca_Kabuli_Chr04	NC_021163.1	13555515	CC	TT	TT	URR	101510695	vicilin-like
SNP_15467B_13555518	Ca_Kabuli_Chr04	NC_021163.1	13555518	CC	TT	TT	URR	101510695	vicilin-like
SNP_15468B_13555705	Ca_Kabuli_Chr04	NC_021163.1	13555705	CC	TT	TT	URR	101510695	vicilin-like
SNP_15469B_13555892	Ca_Kabuli_Chr04	NC_021163.1	13555892	CC	TT	TT	URR	101510695	vicilin-like
SNP_15470B_13557218	Ca_Kabuli_Chr04	NC_021163.1	13557218	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_15471B_13559960	Ca_Kabuli_Chr04	NC_021163.1	13559960	CC	TT	TT	INTERGENIC		
SNP_15472B_13559986	Ca_Kabuli_Chr04	NC_021163.1	13559986	CC	GG	GG	INTERGENIC		
SNP_15474B_13579927	Ca_Kabuli_Chr04	NC_021163.1	13579927	TT	AA	AA	INTERGENIC		
SNP_15475B_13579934	Ca_Kabuli_Chr04	NC_021163.1	13579934	TT	AA	AA	INTERGENIC		
SNP_15476B_13580707	Ca_Kabuli_Chr04	NC_021163.1	13580707	TT	CC	CC	INTERGENIC		
SNP_15477B_13582324	Ca_Kabuli_Chr04	NC_021163.1	13582324	TT	CC	CC	DRR	101512717	uncharacterized LOC101512717
SNP_15478B_13582332	Ca_Kabuli_Chr04	NC_021163.1	13582332	TT	CC	CC	DRR	101512717	uncharacterized LOC101512717
SNP_15479B_13582334	Ca_Kabuli_Chr04	NC_021163.1	13582334	TT	CC	CC	DRR	101512717	uncharacterized LOC101512717
SNP_15480B_13585680	Ca_Kabuli_Chr04	NC_021163.1	13585680	AA	GG	GG	URR	101512717	uncharacterized LOC101512717
SNP_15481B_13586114	Ca_Kabuli_Chr04	NC_021163.1	13586114	TT	CC	CC	DRR	101513475	folate-biopterin transporter 1, chloroplastic
SNP_15482B_13586365	Ca_Kabuli_Chr04	NC_021163.1	13586365	CC	AA	AA	DRR	101513475	folate-biopterin transporter 1, chloroplastic
SNP_15483B_13587371	Ca_Kabuli_Chr04	NC_021163.1	13587371	CC	TT	TT	URR	101512717	uncharacterized LOC101512717
SNP_15484B_13589320	Ca_Kabuli_Chr04	NC_021163.1	13589320	GG	TT	TT	INTERGENIC		
SNP_15486B_13608348	Ca_Kabuli_Chr04	NC_021163.1	13608348	AA	CC	CC	INTERGENIC		
SNP_15487B_13614104	Ca_Kabuli_Chr04	NC_021163.1	13614104	GG	AA	AA	INTERGENIC		
SNP_15488B_13614346	Ca_Kabuli_Chr04	NC_021163.1	13614346	TT	GG	GG	INTERGENIC		
SNP_15489B_13614348	Ca_Kabuli_Chr04	NC_021163.1	13614348	AA	GG	GG	INTERGENIC		
SNP_15490B_13615634	Ca_Kabuli_Chr04	NC_021163.1	13615634	GG	TT	TT	DRR	101514017	uncharacterized LOC101514017
SNP_15492B_13621981	Ca_Kabuli_Chr04	NC_021163.1	13621981	AA	GG	GG	INTERGENIC		
SNP_15493B_13624393	Ca_Kabuli_Chr04	NC_021163.1	13624393	CC	TT	TT	URR	101514350	uncharacterized LOC101514350
SNP_15494B_13626102	Ca_Kabuli_Chr04	NC_021163.1	13626102	TT	CC	CC	INTERGENIC		
SNP_15495B_13626994	Ca_Kabuli_Chr04	NC_021163.1	13626994	CC	GG	GG	INTERGENIC		
SNP_15496B_13627281	Ca_Kabuli_Chr04	NC_021163.1	13627281	TT	AA	AA	INTERGENIC		
SNP_15499B_13630674	Ca_Kabuli_Chr04	NC_021163.1	13630674	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_15500B_13630867	Ca_Kabuli_Chr04	NC_021163.1	13630867	CC	GG	GG	INTERGENIC		
SNP_15501B_13631031	Ca_Kabuli_Chr04	NC_021163.1	13631031	CC	TT	TT	INTERGENIC		
SNP_15502B_13631050	Ca_Kabuli_Chr04	NC_021163.1	13631050	AA	CC	CC	INTERGENIC		
SNP_15504B_13631332	Ca_Kabuli_Chr04	NC_021163.1	13631332	CC	TT	TT	INTERGENIC		
SNP_15505B_13632557	Ca_Kabuli_Chr04	NC_021163.1	13632557	AA	GG	GG	INTERGENIC		
SNP_15506B_13632858	Ca_Kabuli_Chr04	NC_021163.1	13632858	GG	AA	AA	INTERGENIC		
SNP_15507B_13632902	Ca_Kabuli_Chr04	NC_021163.1	13632902	CC	TT	TT	INTERGENIC		
SNP_15508B_13632975	Ca_Kabuli_Chr04	NC_021163.1	13632975	CC	TT	TT	INTERGENIC		
SNP_15509B_13633804	Ca_Kabuli_Chr04	NC_021163.1	13633804	GG	AA	AA	DRR	101514677	uncharacterized LOC101514677
SNP_15510B_13635753	Ca_Kabuli_Chr04	NC_021163.1	13635753	CC	TT	TT	URR	101514677	uncharacterized LOC101514677
SNP_15511B_13636931	Ca_Kabuli_Chr04	NC_021163.1	13636931	GG	TT	TT	URR	101514677	uncharacterized LOC101514677
SNP_15512B_13638744	Ca_Kabuli_Chr04	NC_021163.1	13638744	TT	CC	CC	INTERGENIC		
SNP_15513B_13638757	Ca_Kabuli_Chr04	NC_021163.1	13638757	AA	GG	GG	INTERGENIC		
SNP_15514B_13639481	Ca_Kabuli_Chr04	NC_021163.1	13639481	AA	GG	GG	INTERGENIC		
SNP_15515B_13643806	Ca_Kabuli_Chr04	NC_021163.1	13643806	AA	GG	GG	URR	101515003	OBERON-like protein
SNP_15517B_13644698	Ca_Kabuli_Chr04	NC_021163.1	13644698	GG	CC	CC	DRR	101515330	late embryogenesis abundant protein D-34-like
SNP_15518B_13654556	Ca_Kabuli_Chr04	NC_021163.1	13654556	AA	GG	GG	URR	101515654	transcription repressor OFP11
SNP_15519B_13654599	Ca_Kabuli_Chr04	NC_021163.1	13654599	AA	TT	TT	URR	101515654	transcription repressor OFP11
SNP_15520B_13656182	Ca_Kabuli_Chr04	NC_021163.1	13656182	TT	CC	CC	INTERGENIC		
SNP_15521B_13656186	Ca_Kabuli_Chr04	NC_021163.1	13656186	CC	GG	GG	INTERGENIC		
SNP_15523B_13658002	Ca_Kabuli_Chr04	NC_021163.1	13658002	GG	CC	CC	INTERGENIC		
SNP_15524B_13658288	Ca_Kabuli_Chr04	NC_021163.1	13658288	TT	AA	AA	INTERGENIC		
SNP_15525B_13670817	Ca_Kabuli_Chr04	NC_021163.1	13670817	AA	GG	GG	INTERGENIC		
SNP_15526B_13670961	Ca_Kabuli_Chr04	NC_021163.1	13670961	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_15527B_13671160	Ca_Kabuli_Chr04	NC_021163.1	13671160	AA	GG	GG	INTERGENIC		
SNP_15529B_13674932	Ca_Kabuli_Chr04	NC_021163.1	13674932	GG	AA	AA	URR	101488740	geraniol 8-hydroxylase-like
SNP_15530B_13675263	Ca_Kabuli_Chr04	NC_021163.1	13675263	TT	CC	CC	URR	101488740	geraniol 8-hydroxylase-like
SNP_15531B_13675275	Ca_Kabuli_Chr04	NC_021163.1	13675275	TT	GG	GG	URR	101488740	geraniol 8-hydroxylase-like
SNP_15532B_13675277	Ca_Kabuli_Chr04	NC_021163.1	13675277	GG	AA	AA	URR	101488740	geraniol 8-hydroxylase-like
SNP_15533B_13675287	Ca_Kabuli_Chr04	NC_021163.1	13675287	AA	GG	GG	URR	101488740	geraniol 8-hydroxylase-like
SNP_15534B_13677885	Ca_Kabuli_Chr04	NC_021163.1	13677885	AA	GG	GG	DRR	101489076	cysteine synthase-like
SNP_15536B_13682389	Ca_Kabuli_Chr04	NC_021163.1	13682389	TT	AA	AA	URR	101489076	cysteine synthase-like
SNP_15537B_13682393	Ca_Kabuli_Chr04	NC_021163.1	13682393	AA	GG	GG	URR	101489076	cysteine synthase-like
SNP_15538B_13683132	Ca_Kabuli_Chr04	NC_021163.1	13683132	GG	AA	AA	URR	101489076	cysteine synthase-like
SNP_15540B_13691820	Ca_Kabuli_Chr04	NC_021163.1	13691820	GG	TT	TT	INTERGENIC		
SNP_15541B_13698500	Ca_Kabuli_Chr04	NC_021163.1	13698500	TT	CC	CC	INTRON	101489729	uncharacterized LOC101489729
SNP_15542B_13699400	Ca_Kabuli_Chr04	NC_021163.1	13699400	GG	TT	TT	INTRON	101489729	uncharacterized LOC101489729
SNP_15543B_13708309	Ca_Kabuli_Chr04	NC_021163.1	13708309	GG	AA	AA	DRR	101506516	thiamine thiazole synthase, chloroplastic-like
SNP_15545B_13718817	Ca_Kabuli_Chr04	NC_021163.1	13718817	GG	AA	AA	INTERGENIC		
SNP_15546B_13722342	Ca_Kabuli_Chr04	NC_021163.1	13722342	GG	CC	CC	NON_SYNONYMOUS_CODING	101490910	increased DNA methylation 1
SNP_15547B_13732621	Ca_Kabuli_Chr04	NC_021163.1	13732621	GG	CC	CC	DRR	101507182	Unknown function
SNP_15548B_13734262	Ca_Kabuli_Chr04	NC_021163.1	13734262	AA	GG	GG	DRR	101507499	uncharacterized LOC101507499
SNP_15549B_13734274	Ca_Kabuli_Chr04	NC_021163.1	13734274	GG	AA	AA	DRR	101507499	uncharacterized LOC101507499
SNP_15550B_13737946	Ca_Kabuli_Chr04	NC_021163.1	13737946	GG	AA	AA	URR	101507499	uncharacterized LOC101507499
SNP_15551B_13739835	Ca_Kabuli_Chr04	NC_021163.1	13739835	GG	AA	AA	DRR	101492081	pentatricopeptide repeat-containing protein At2g22070
SNP_15552B_13739854	Ca_Kabuli_Chr04	NC_021163.1	13739854	GG	CC	CC	DRR	101492081	pentatricopeptide repeat-containing protein At2g22070
SNP_15553B_13739916	Ca_Kabuli_Chr04	NC_021163.1	13739916	AA	TT	TT	DRR	101492081	pentatricopeptide repeat-containing protein At2g22070
SNP_15554B_13739918	Ca_Kabuli_Chr04	NC_021163.1	13739918	TT	CC	CC	DRR	101492081	pentatricopeptide repeat-containing protein At2g22070

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_15555B_13748062	Ca_Kabuli_Chr04	NC_021163.1	13748062	AA	CC	CC	INTERGENIC		
SNP_15556B_13748583	Ca_Kabuli_Chr04	NC_021163.1	13748583	AA	GG	GG	INTERGENIC		
SNP_15558B_13758909	Ca_Kabuli_Chr04	NC_021163.1	13758909	AA	GG	GG	INTRON	101493195	uncharacterized LOC101493195
SNP_15559B_13760326	Ca_Kabuli_Chr04	NC_021163.1	13760326	CC	TT	TT	INTRON	101493195	uncharacterized LOC101493195
SNP_15560B_13766508	Ca_Kabuli_Chr04	NC_021163.1	13766508	CC	GG	GG	INTERGENIC		
SNP_15561B_13770030	Ca_Kabuli_Chr04	NC_021163.1	13770030	AA	CC	CC	URR	101494058	Unknown function
SNP_15562B_13770039	Ca_Kabuli_Chr04	NC_021163.1	13770039	CC	TT	TT	URR	101494058	Unknown function
SNP_15563B_13770336	Ca_Kabuli_Chr04	NC_021163.1	13770336	CC	TT	TT	URR	101494058	Unknown function
SNP_15564B_13770337	Ca_Kabuli_Chr04	NC_021163.1	13770337	GG	AA	AA	URR	101494058	Unknown function
SNP_15565B_13770561	Ca_Kabuli_Chr04	NC_021163.1	13770561	CC	TT	TT	URR	101494058	Unknown function
SNP_15566B_13776474	Ca_Kabuli_Chr04	NC_021163.1	13776474	GG	AA	AA	INTERGENIC		
SNP_15567B_13780146	Ca_Kabuli_Chr04	NC_021163.1	13780146	CC	GG	GG	INTRON	101494372	uncharacterized LOC101494372
SNP_15568B_13788136	Ca_Kabuli_Chr04	NC_021163.1	13788136	AA	TT	TT	DRR	101494998	primary amine oxidase-like
SNP_15570B_13792099	Ca_Kabuli_Chr04	NC_021163.1	13792099	TT	GG	GG	INTERGENIC		
SNP_15571B_13792105	Ca_Kabuli_Chr04	NC_021163.1	13792105	TT	CC	CC	INTERGENIC		
SNP_15573B_13796045	Ca_Kabuli_Chr04	NC_021163.1	13796045	AA	CC	CC	INTERGENIC		
SNP_15574B_13799886	Ca_Kabuli_Chr04	NC_021163.1	13799886	AA	CC	CC	URR	101495327	uncharacterized protein C24B11.05
SNP_15575B_13799918	Ca_Kabuli_Chr04	NC_021163.1	13799918	TT	AA	AA	URR	101495327	uncharacterized protein C24B11.05
SNP_15576B_13803955	Ca_Kabuli_Chr04	NC_021163.1	13803955	GG	TT	TT	INTRON	101495975	linoleate 9S-lipoxygenase 5, chloroplastic
SNP_15577B_13806386	Ca_Kabuli_Chr04	NC_021163.1	13806386	CC	AA	AA	INTRON	101495975	linoleate 9S-lipoxygenase 5, chloroplastic
SNP_15578B_13806387	Ca_Kabuli_Chr04	NC_021163.1	13806387	CC	AA	AA	INTRON	101495975	linoleate 9S-lipoxygenase 5, chloroplastic
SNP_15579B_13808436	Ca_Kabuli_Chr04	NC_021163.1	13808436	AA	GG	GG	URR	101495975	linoleate 9S-lipoxygenase 5, chloroplastic
SNP_15580B_13812920	Ca_Kabuli_Chr04	NC_021163.1	13812920	GG	AA	AA	INTERGENIC		
SNP_15581B_13815413	Ca_Kabuli_Chr04	NC_021163.1	13815413	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_15582B_13815467	Ca_Kabuli_Chr04	NC_021163.1	13815467	CC	AA	AA	INTERGENIC		
SNP_15583B_13816771	Ca_Kabuli_Chr04	NC_021163.1	13816771	AA	CC	CC	DRR	101495652	vacuole membrane protein KMS1-like
SNP_15584B_13816772	Ca_Kabuli_Chr04	NC_021163.1	13816772	TT	GG	GG	DRR	101495652	vacuole membrane protein KMS1-like
SNP_15585B_13822628	Ca_Kabuli_Chr04	NC_021163.1	13822628	AA	TT	TT	INTRON	101495652	vacuole membrane protein KMS1-like
SNP_15586B_13822995	Ca_Kabuli_Chr04	NC_021163.1	13822995	AA	GG	GG	INTERGENIC		
SNP_15587B_13825423	Ca_Kabuli_Chr04	NC_021163.1	13825423	CC	AA	AA	INTERGENIC		
SNP_15588B_13825451	Ca_Kabuli_Chr04	NC_021163.1	13825451	GG	AA	AA	INTERGENIC		
SNP_15589B_13825706	Ca_Kabuli_Chr04	NC_021163.1	13825706	TT	CC	CC	INTERGENIC		
SNP_15590B_13825763	Ca_Kabuli_Chr04	NC_021163.1	13825763	TT	CC	CC	INTERGENIC		
SNP_15591B_13825787	Ca_Kabuli_Chr04	NC_021163.1	13825787	GG	AA	AA	INTERGENIC		
SNP_15592B_13826044	Ca_Kabuli_Chr04	NC_021163.1	13826044	GG	AA	AA	INTERGENIC		
SNP_15593B_13826091	Ca_Kabuli_Chr04	NC_021163.1	13826091	CC	TT	TT	INTERGENIC		
SNP_15595B_13826161	Ca_Kabuli_Chr04	NC_021163.1	13826161	GG	AA	AA	INTERGENIC		
SNP_15596B_13827243	Ca_Kabuli_Chr04	NC_021163.1	13827243	CC	TT	TT	INTERGENIC		
SNP_15597B_13828442	Ca_Kabuli_Chr04	NC_021163.1	13828442	CC	TT	TT	INTERGENIC		
SNP_15598B_13829438	Ca_Kabuli_Chr04	NC_021163.1	13829438	GG	AA	AA	INTERGENIC		
SNP_15600B_13829811	Ca_Kabuli_Chr04	NC_021163.1	13829811	TT	GG	GG	INTERGENIC		
SNP_15601B_13829822	Ca_Kabuli_Chr04	NC_021163.1	13829822	AA	GG	GG	INTERGENIC		
SNP_15602B_13830031	Ca_Kabuli_Chr04	NC_021163.1	13830031	TT	CC	CC	INTERGENIC		
SNP_15603B_13830333	Ca_Kabuli_Chr04	NC_021163.1	13830333	CC	TT	TT	INTERGENIC		
SNP_15604B_13830568	Ca_Kabuli_Chr04	NC_021163.1	13830568	GG	AA	AA	INTERGENIC		
SNP_15605B_13830584	Ca_Kabuli_Chr04	NC_021163.1	13830584	TT	CC	CC	INTERGENIC		
SNP_15606B_13830585	Ca_Kabuli_Chr04	NC_021163.1	13830585	CC	TT	TT	INTERGENIC		
SNP_15607B_13830590	Ca_Kabuli_Chr04	NC_021163.1	13830590	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_15608B_13830593	Ca_Kabuli_Chr04	NC_021163.1	13830593	AA	GG	GG	INTERGENIC		
SNP_15609B_13831836	Ca_Kabuli_Chr04	NC_021163.1	13831836	AA	TT	TT	INTERGENIC		
SNP_15610B_13831867	Ca_Kabuli_Chr04	NC_021163.1	13831867	CC	AA	AA	INTERGENIC		
SNP_15611B_13831875	Ca_Kabuli_Chr04	NC_021163.1	13831875	CC	AA	AA	INTERGENIC		
SNP_15612B_13831889	Ca_Kabuli_Chr04	NC_021163.1	13831889	CC	AA	AA	INTERGENIC		
SNP_15613B_13832258	Ca_Kabuli_Chr04	NC_021163.1	13832258	AA	TT	TT	INTERGENIC		
SNP_15614B_13832443	Ca_Kabuli_Chr04	NC_021163.1	13832443	TT	CC	CC	INTERGENIC		
SNP_15615B_13833816	Ca_Kabuli_Chr04	NC_021163.1	13833816	AA	GG	GG	INTERGENIC		
SNP_15616B_13841279	Ca_Kabuli_Chr04	NC_021163.1	13841279	CC	AA	AA	NON_SYNONYMOUS_CODING	id78222	Unknown function
SNP_15617B_13846929	Ca_Kabuli_Chr04	NC_021163.1	13846929	AA	CC	CC	INTERGENIC		
SNP_15618B_13847234	Ca_Kabuli_Chr04	NC_021163.1	13847234	CC	AA	AA	INTERGENIC		
SNP_15619B_13852471	Ca_Kabuli_Chr04	NC_021163.1	13852471	CC	AA	AA	INTERGENIC		
SNP_15620B_13853831	Ca_Kabuli_Chr04	NC_021163.1	13853831	GG	AA	AA	INTERGENIC		
SNP_15621B_13854044	Ca_Kabuli_Chr04	NC_021163.1	13854044	AA	GG	GG	INTERGENIC		
SNP_15623B_13854207	Ca_Kabuli_Chr04	NC_021163.1	13854207	CC	TT	TT	INTERGENIC		
SNP_15624B_13854366	Ca_Kabuli_Chr04	NC_021163.1	13854366	AA	GG	GG	INTERGENIC		
SNP_15625B_13856347	Ca_Kabuli_Chr04	NC_021163.1	13856347	GG	AA	AA	INTERGENIC		
SNP_15626B_13856425	Ca_Kabuli_Chr04	NC_021163.1	13856425	GG	CC	CC	INTERGENIC		
SNP_15627B_13858972	Ca_Kabuli_Chr04	NC_021163.1	13858972	AA	GG	GG	SYNONYMOUS_CODING	101497730	sugar transport protein 13-like
SNP_15628B_13861131	Ca_Kabuli_Chr04	NC_021163.1	13861131	TT	GG	GG	URR	101497730	sugar transport protein 13-like
SNP_15629B_13861136	Ca_Kabuli_Chr04	NC_021163.1	13861136	GG	AA	AA	URR	101497730	sugar transport protein 13-like
SNP_15630B_13864883	Ca_Kabuli_Chr04	NC_021163.1	13864883	TT	AA	AA	INTERGENIC		
SNP_15633B_13908798	Ca_Kabuli_Chr04	NC_021163.1	13908798	GG	AA	AA	INTERGENIC		
SNP_15634B_13908943	Ca_Kabuli_Chr04	NC_021163.1	13908943	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_15635B_13909246	Ca_Kabuli_Chr04	NC_021163.1	13909246	CC	TT	TT	INTERGENIC		
SNP_15637B_13911299	Ca_Kabuli_Chr04	NC_021163.1	13911299	TT	CC	CC	INTERGENIC		
SNP_15638B_13917650	Ca_Kabuli_Chr04	NC_021163.1	13917650	CC	TT	TT	INTERGENIC		
SNP_15639B_13962641	Ca_Kabuli_Chr04	NC_021163.1	13962641	TT	GG	GG	URR	101502005	2-hydroxyisoflavanone dehydratase-like
SNP_15640B_13962644	Ca_Kabuli_Chr04	NC_021163.1	13962644	AA	GG	GG	URR	101502005	2-hydroxyisoflavanone dehydratase-like
SNP_15641B_14188181	Ca_Kabuli_Chr04	NC_021163.1	14188181	AA	GG	GG	DRR	101512516	cysteine-rich receptor-like protein kinase 7
SNP_15642B_14204997	Ca_Kabuli_Chr04	NC_021163.1	14204997	AA	TT	TT	INTERGENIC		
SNP_15643B_14235417	Ca_Kabuli_Chr04	NC_021163.1	14235417	TT	CC	CC	INTERGENIC		
SNP_15644B_14264894	Ca_Kabuli_Chr04	NC_021163.1	14264894	GG	TT	TT	INTERGENIC		
SNP_15645B_14271489	Ca_Kabuli_Chr04	NC_021163.1	14271489	TT	AA	AA	INTERGENIC		
SNP_15646B_14271531	Ca_Kabuli_Chr04	NC_021163.1	14271531	TT	CC	CC	INTERGENIC		
SNP_15647B_14297414	Ca_Kabuli_Chr04	NC_021163.1	14297414	CC	TT	TT	INTRON	101511321	thiamine thiazole synthase, chloroplastic-like
SNP_15648B_14308963	Ca_Kabuli_Chr04	NC_021163.1	14308963	GG	AA	AA	URR	101488411	methionine aminopeptidase 2B-like
SNP_15649B_14329783	Ca_Kabuli_Chr04	NC_021163.1	14329783	GG	AA	AA	INTERGENIC		
SNP_15650B_14329853	Ca_Kabuli_Chr04	NC_021163.1	14329853	AA	GG	GG	INTERGENIC		
SNP_15651B_14329858	Ca_Kabuli_Chr04	NC_021163.1	14329858	CC	GG	GG	INTERGENIC		
SNP_15652B_14329863	Ca_Kabuli_Chr04	NC_021163.1	14329863	TT	CC	CC	INTERGENIC		
SNP_15653B_14329884	Ca_Kabuli_Chr04	NC_021163.1	14329884	AA	GG	GG	INTERGENIC		
SNP_15654B_14329941	Ca_Kabuli_Chr04	NC_021163.1	14329941	TT	CC	CC	INTERGENIC		
SNP_15655B_14330178	Ca_Kabuli_Chr04	NC_021163.1	14330178	TT	CC	CC	INTERGENIC		
SNP_15656B_14392703	Ca_Kabuli_Chr04	NC_021163.1	14392703	AA	GG	GG	INTERGENIC		
SNP_15657B_14392721	Ca_Kabuli_Chr04	NC_021163.1	14392721	TT	GG	GG	INTERGENIC		
SNP_15658B_14397207	Ca_Kabuli_Chr04	NC_021163.1	14397207	TT	CC	CC	INTERGENIC		
SNP_15659B_14397224	Ca_Kabuli_Chr04	NC_021163.1	14397224	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_15661B_14397378	Ca_Kabuli_Chr04	NC_021163.1	14397378	TT	CC	CC	INTERGENIC		
SNP_15662B_14397425	Ca_Kabuli_Chr04	NC_021163.1	14397425	AA	GG	GG	INTERGENIC		
SNP_15663B_14397507	Ca_Kabuli_Chr04	NC_021163.1	14397507	AA	CC	CC	INTERGENIC		
SNP_15664B_14397591	Ca_Kabuli_Chr04	NC_021163.1	14397591	CC	TT	TT	INTERGENIC		
SNP_15665B_14399086	Ca_Kabuli_Chr04	NC_021163.1	14399086	TT	CC	CC	INTERGENIC		
SNP_15666B_14399137	Ca_Kabuli_Chr04	NC_021163.1	14399137	AA	GG	GG	INTERGENIC		
SNP_15667B_14399150	Ca_Kabuli_Chr04	NC_021163.1	14399150	TT	GG	GG	INTERGENIC		
SNP_15668B_14399444	Ca_Kabuli_Chr04	NC_021163.1	14399444	TT	GG	GG	INTERGENIC		
SNP_15669B_14405509	Ca_Kabuli_Chr04	NC_021163.1	14405509	CC	TT	TT	DRR	101498167	amino acid permease 6-like
SNP_15670B_14405514	Ca_Kabuli_Chr04	NC_021163.1	14405514	TT	GG	GG	DRR	101498167	amino acid permease 6-like
SNP_15671B_14405577	Ca_Kabuli_Chr04	NC_021163.1	14405577	AA	GG	GG	DRR	101498167	amino acid permease 6-like
SNP_15672B_14405593	Ca_Kabuli_Chr04	NC_021163.1	14405593	GG	TT	TT	DRR	101498167	amino acid permease 6-like
SNP_15673B_14405603	Ca_Kabuli_Chr04	NC_021163.1	14405603	AA	TT	TT	DRR	101498167	amino acid permease 6-like
SNP_15675B_14405699	Ca_Kabuli_Chr04	NC_021163.1	14405699	GG	TT	TT	DRR	101498167	amino acid permease 6-like
SNP_15676B_14405707	Ca_Kabuli_Chr04	NC_021163.1	14405707	CC	TT	TT	DRR	101498167	amino acid permease 6-like
SNP_15677B_14405722	Ca_Kabuli_Chr04	NC_021163.1	14405722	GG	AA	AA	DRR	101498167	amino acid permease 6-like
SNP_15679B_14405819	Ca_Kabuli_Chr04	NC_021163.1	14405819	AA	GG	GG	DRR	101498167	amino acid permease 6-like
SNP_15680B_14405826	Ca_Kabuli_Chr04	NC_021163.1	14405826	CC	TT	TT	DRR	101498167	amino acid permease 6-like
SNP_15681B_14405834	Ca_Kabuli_Chr04	NC_021163.1	14405834	TT	CC	CC	DRR	101498167	amino acid permease 6-like
SNP_15682B_14405862	Ca_Kabuli_Chr04	NC_021163.1	14405862	GG	AA	AA	DRR	101498167	amino acid permease 6-like
SNP_15683B_14405865	Ca_Kabuli_Chr04	NC_021163.1	14405865	GG	CC	CC	DRR	101498167	amino acid permease 6-like
SNP_15684B_14406021	Ca_Kabuli_Chr04	NC_021163.1	14406021	AA	TT	TT	DRR	101498167	amino acid permease 6-like
SNP_15685B_14406059	Ca_Kabuli_Chr04	NC_021163.1	14406059	TT	AA	AA	DRR	101498167	amino acid permease 6-like
SNP_15686B_14406085	Ca_Kabuli_Chr04	NC_021163.1	14406085	AA	TT	TT	DRR	101498167	amino acid permease 6-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_15687B_14406101	Ca_Kabuli_Chr04	NC_021163.1	14406101	TT	CC	CC	DRR	101498167	amino acid permease 6-like
SNP_15688B_14406116	Ca_Kabuli_Chr04	NC_021163.1	14406116	TT	CC	CC	DRR	101498167	amino acid permease 6-like
SNP_15690B_14406143	Ca_Kabuli_Chr04	NC_021163.1	14406143	TT	GG	GG	DRR	101498167	amino acid permease 6-like
SNP_15691B_14406185	Ca_Kabuli_Chr04	NC_021163.1	14406185	GG	AA	AA	DRR	101498167	amino acid permease 6-like
SNP_15692B_14406220	Ca_Kabuli_Chr04	NC_021163.1	14406220	AA	TT	TT	NON_SYNONYMOUS_CODING	101498167	amino acid permease 6-like
SNP_15693B_14406221	Ca_Kabuli_Chr04	NC_021163.1	14406221	GG	AA	AA	NON_SYNONYMOUS_CODING	101498167	amino acid permease 6-like
SNP_15694B_14406348	Ca_Kabuli_Chr04	NC_021163.1	14406348	TT	GG	GG	SYNONYMOUS_CODING	101498167	amino acid permease 6-like
SNP_15695B_14406395	Ca_Kabuli_Chr04	NC_021163.1	14406395	TT	AA	AA	NON_SYNONYMOUS_CODING	101498167	amino acid permease 6-like
SNP_15696B_14407570	Ca_Kabuli_Chr04	NC_021163.1	14407570	GG	TT	TT	INTRON	101498167	amino acid permease 6-like
SNP_15697B_14421622	Ca_Kabuli_Chr04	NC_021163.1	14421622	AA	TT	TT	INTERGENIC		
SNP_15698B_14421887	Ca_Kabuli_Chr04	NC_021163.1	14421887	AA	GG	GG	INTERGENIC		
SNP_15699B_14422154	Ca_Kabuli_Chr04	NC_021163.1	14422154	AA	TT	TT	INTERGENIC		
SNP_15700B_14422166	Ca_Kabuli_Chr04	NC_021163.1	14422166	TT	CC	CC	INTERGENIC		
SNP_15701B_14422183	Ca_Kabuli_Chr04	NC_021163.1	14422183	CC	GG	GG	INTERGENIC		
SNP_15702B_14422218	Ca_Kabuli_Chr04	NC_021163.1	14422218	CC	TT	TT	INTERGENIC		
SNP_15703B_14556421	Ca_Kabuli_Chr04	NC_021163.1	14556421	TT	GG	GG	INTERGENIC		
SNP_15704B_14556477	Ca_Kabuli_Chr04	NC_021163.1	14556477	TT	CC	CC	INTERGENIC		
SNP_15705B_14556489	Ca_Kabuli_Chr04	NC_021163.1	14556489	AA	GG	GG	INTERGENIC		
SNP_15707B_14793944	Ca_Kabuli_Chr04	NC_021163.1	14793944	GG	AA	AA	INTERGENIC		
SNP_15708B_14814071	Ca_Kabuli_Chr04	NC_021163.1	14814071	AA	TT	TT	INTRON	101500744	homeobox protein HAT3.1
SNP_15709B_14846175	Ca_Kabuli_Chr04	NC_021163.1	14846175	TT	CC	CC	URR	101504366	alpha-L-fucosidase 2
SNP_15710B_14867245	Ca_Kabuli_Chr04	NC_021163.1	14867245	TT	CC	CC	INTERGENIC		
SNP_15711B_14867416	Ca_Kabuli_Chr04	NC_021163.1	14867416	TT	CC	CC	INTERGENIC		
SNP_15712B_14912372	Ca_Kabuli_Chr04	NC_021163.1	14912372	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_15713B_14932690	Ca_Kabuli_Chr04	NC_021163.1	14932690	AA	GG	GG	INTERGENIC		
SNP_15714B_14932838	Ca_Kabuli_Chr04	NC_021163.1	14932838	CC	AA	AA	INTERGENIC		
SNP_15716B_14933063	Ca_Kabuli_Chr04	NC_021163.1	14933063	AA	GG	GG	INTERGENIC		
SNP_15717B_14933118	Ca_Kabuli_Chr04	NC_021163.1	14933118	GG	TT	TT	INTERGENIC		
SNP_15718B_14999788	Ca_Kabuli_Chr04	NC_021163.1	14999788	CC	TT	TT	INTERGENIC		
SNP_15719B_14999871	Ca_Kabuli_Chr04	NC_021163.1	14999871	GG	TT	TT	INTERGENIC		
SNP_15720B_14999899	Ca_Kabuli_Chr04	NC_021163.1	14999899	TT	CC	CC	INTERGENIC		
SNP_15721B_14999984	Ca_Kabuli_Chr04	NC_021163.1	14999984	CC	TT	TT	INTERGENIC		
SNP_15722B_14999994	Ca_Kabuli_Chr04	NC_021163.1	14999994	TT	CC	CC	INTERGENIC		
SNP_15723B_15000054	Ca_Kabuli_Chr04	NC_021163.1	15000054	TT	AA	AA	INTERGENIC		
SNP_15724B_15000059	Ca_Kabuli_Chr04	NC_021163.1	15000059	AA	TT	TT	INTERGENIC		
SNP_15725B_15004610	Ca_Kabuli_Chr04	NC_021163.1	15004610	TT	CC	CC	INTERGENIC		
SNP_15726B_15004759	Ca_Kabuli_Chr04	NC_021163.1	15004759	TT	GG	GG	INTERGENIC		
SNP_15727B_15004797	Ca_Kabuli_Chr04	NC_021163.1	15004797	TT	CC	CC	INTERGENIC		
SNP_15728B_15004920	Ca_Kabuli_Chr04	NC_021163.1	15004920	AA	GG	GG	INTERGENIC		
SNP_15729B_15005007	Ca_Kabuli_Chr04	NC_021163.1	15005007	CC	AA	AA	INTERGENIC		
SNP_15730B_15005022	Ca_Kabuli_Chr04	NC_021163.1	15005022	AA	GG	GG	INTERGENIC		
SNP_15731B_15005027	Ca_Kabuli_Chr04	NC_021163.1	15005027	TT	CC	CC	INTERGENIC		
SNP_15732B_15048106	Ca_Kabuli_Chr04	NC_021163.1	15048106	TT	AA	AA	INTERGENIC		
SNP_15733B_15048121	Ca_Kabuli_Chr04	NC_021163.1	15048121	AA	CC	CC	INTERGENIC		
SNP_15734B_15048137	Ca_Kabuli_Chr04	NC_021163.1	15048137	AA	TT	TT	INTERGENIC		
SNP_15735B_15048142	Ca_Kabuli_Chr04	NC_021163.1	15048142	AA	CC	CC	INTERGENIC		
SNP_15738B_15081028	Ca_Kabuli_Chr04	NC_021163.1	15081028	TT	CC	CC	INTERGENIC		
SNP_15739B_15081033	Ca_Kabuli_Chr04	NC_021163.1	15081033	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_15740B_15081062	Ca_Kabuli_Chr04	NC_021163.1	15081062	TT	AA	AA	INTERGENIC		
SNP_15741B_15081093	Ca_Kabuli_Chr04	NC_021163.1	15081093	AA	GG	GG	INTERGENIC		
SNP_15742B_15081094	Ca_Kabuli_Chr04	NC_021163.1	15081094	TT	GG	GG	INTERGENIC		
SNP_15743B_15118309	Ca_Kabuli_Chr04	NC_021163.1	15118309	TT	GG	GG	INTERGENIC		
SNP_15744B_15118728	Ca_Kabuli_Chr04	NC_021163.1	15118728	CC	TT	TT	INTERGENIC		
SNP_15745B_15118778	Ca_Kabuli_Chr04	NC_021163.1	15118778	AA	TT	TT	INTERGENIC		
SNP_15746B_15181183	Ca_Kabuli_Chr04	NC_021163.1	15181183	AA	GG	GG	URR	101492311	xylosyltransferase 1
SNP_15747B_15208578	Ca_Kabuli_Chr04	NC_021163.1	15208578	AA	TT	TT	INTERGENIC		
SNP_15748B_15208600	Ca_Kabuli_Chr04	NC_021163.1	15208600	CC	GG	GG	INTERGENIC		
SNP_15749B_15222672	Ca_Kabuli_Chr04	NC_021163.1	15222672	AA	TT	TT	INTERGENIC		
SNP_15750B_15292097	Ca_Kabuli_Chr04	NC_021163.1	15292097	AA	GG	GG	INTERGENIC		
SNP_15751B_15333258	Ca_Kabuli_Chr04	NC_021163.1	15333258	TT	CC	CC	INTERGENIC		
SNP_15752B_15333300	Ca_Kabuli_Chr04	NC_021163.1	15333300	AA	GG	GG	INTERGENIC		
SNP_15753B_15333325	Ca_Kabuli_Chr04	NC_021163.1	15333325	CC	TT	TT	INTERGENIC		
SNP_15754B_15333354	Ca_Kabuli_Chr04	NC_021163.1	15333354	GG	AA	AA	INTERGENIC		
SNP_15755B_15333356	Ca_Kabuli_Chr04	NC_021163.1	15333356	TT	CC	CC	INTERGENIC		
SNP_15756B_15333727	Ca_Kabuli_Chr04	NC_021163.1	15333727	AA	CC	CC	INTERGENIC		
SNP_15757B_15343488	Ca_Kabuli_Chr04	NC_021163.1	15343488	GG	AA	AA	INTRON	101502648	probable S-adenosylmethionine-dependent methyltransferase At5g38100
SNP_15758B_15347087	Ca_Kabuli_Chr04	NC_021163.1	15347087	TT	CC	CC	URR	101502648	probable S-adenosylmethionine-dependent methyltransferase At5g38100
SNP_15760B_15465084	Ca_Kabuli_Chr04	NC_021163.1	15465084	TT	AA	AA	URR	101503614	probable fructose-bisphosphate aldolase 3, chloroplastic
SNP_15761B_15573138	Ca_Kabuli_Chr04	NC_021163.1	15573138	GG	AA	AA	INTERGENIC		
SNP_15762B_15573144	Ca_Kabuli_Chr04	NC_021163.1	15573144	TT	AA	AA	INTERGENIC		
SNP_15763B_15595736	Ca_Kabuli_Chr04	NC_021163.1	15595736	TT	CC	CC	INTERGENIC		
SNP_15764B_15595799	Ca_Kabuli_Chr04	NC_021163.1	15595799	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_15765B_15608255	Ca_Kabuli_Chr04	NC_021163.1	15608255	AA	TT	TT	INTERGENIC		
SNP_15767B_15618717	Ca_Kabuli_Chr04	NC_021163.1	15618717	TT	CC	CC	INTRON	101506960	amino-acid permease BAT1 homolog
SNP_15768B_15632697	Ca_Kabuli_Chr04	NC_021163.1	15632697	TT	CC	CC	INTERGENIC		
SNP_15769B_15632699	Ca_Kabuli_Chr04	NC_021163.1	15632699	GG	TT	TT	INTERGENIC		
SNP_15770B_15722159	Ca_Kabuli_Chr04	NC_021163.1	15722159	TT	CC	CC	URR	101511547	auxin-responsive protein IAA32
SNP_15771B_15722177	Ca_Kabuli_Chr04	NC_021163.1	15722177	TT	CC	CC	URR	101511547	auxin-responsive protein IAA32
SNP_15772B_15788354	Ca_Kabuli_Chr04	NC_021163.1	15788354	AA	GG	GG	INTERGENIC		
SNP_15773B_15788493	Ca_Kabuli_Chr04	NC_021163.1	15788493	GG	AA	AA	INTERGENIC		
SNP_15774B_15788495	Ca_Kabuli_Chr04	NC_021163.1	15788495	GG	CC	CC	INTERGENIC		
SNP_15775B_15788519	Ca_Kabuli_Chr04	NC_021163.1	15788519	TT	CC	CC	INTERGENIC		
SNP_15776B_15788546	Ca_Kabuli_Chr04	NC_021163.1	15788546	TT	CC	CC	INTERGENIC		
SNP_15777B_15788555	Ca_Kabuli_Chr04	NC_021163.1	15788555	AA	GG	GG	INTERGENIC		
SNP_15778B_15788564	Ca_Kabuli_Chr04	NC_021163.1	15788564	GG	AA	AA	INTERGENIC		
SNP_15779B_15788718	Ca_Kabuli_Chr04	NC_021163.1	15788718	GG	TT	TT	INTERGENIC		
SNP_15781B_15801277	Ca_Kabuli_Chr04	NC_021163.1	15801277	TT	CC	CC	INTERGENIC		
SNP_15782B_15801308	Ca_Kabuli_Chr04	NC_021163.1	15801308	CC	TT	TT	INTERGENIC		
SNP_15783B_15815202	Ca_Kabuli_Chr04	NC_021163.1	15815202	TT	CC	CC	INTERGENIC		
SNP_15784B_15926318	Ca_Kabuli_Chr04	NC_021163.1	15926318	GG	AA	AA	INTERGENIC		
SNP_15785B_15930674	Ca_Kabuli_Chr04	NC_021163.1	15930674	AA	TT	TT	INTRON	101491135	uncharacterized LOC101491135
SNP_15786B_15937238	Ca_Kabuli_Chr04	NC_021163.1	15937238	AA	CC	CC	INTERGENIC		
SNP_15787B_15938924	Ca_Kabuli_Chr04	NC_021163.1	15938924	GG	AA	AA	DRR	101491667	chaperone protein dnaJ 15
SNP_15788B_15941236	Ca_Kabuli_Chr04	NC_021163.1	15941236	AA	TT	TT	INTRON	101491667	chaperone protein dnaJ 15
SNP_15789B_15959936	Ca_Kabuli_Chr04	NC_021163.1	15959936	CC	TT	TT	INTERGENIC		
SNP_15790B_15960964	Ca_Kabuli_Chr04	NC_021163.1	15960964	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_15791B_15963332	Ca_Kabuli_Chr04	NC_021163.1	15963332	TT	CC	CC	INTERGENIC		
SNP_15792B_15972941	Ca_Kabuli_Chr04	NC_021163.1	15972941	TT	GG	GG	INTRON	101492312	cysteine--tRNA ligase, cytoplasmic
SNP_15793B_15972976	Ca_Kabuli_Chr04	NC_021163.1	15972976	AA	CC	CC	INTRON	101492312	cysteine--tRNA ligase, cytoplasmic
SNP_15794B_15983274	Ca_Kabuli_Chr04	NC_021163.1	15983274	AA	GG	GG	INTERGENIC		
SNP_15795B_15984995	Ca_Kabuli_Chr04	NC_021163.1	15984995	CC	TT	TT	INTERGENIC		
SNP_15796B_16026131	Ca_Kabuli_Chr04	NC_021163.1	16026131	AA	GG	GG	INTERGENIC		
SNP_15797B_16027272	Ca_Kabuli_Chr04	NC_021163.1	16027272	GG	AA	AA	INTERGENIC		
SNP_15798B_16027292	Ca_Kabuli_Chr04	NC_021163.1	16027292	AA	CC	CC	INTERGENIC		
SNP_15799B_16027299	Ca_Kabuli_Chr04	NC_021163.1	16027299	TT	AA	AA	INTERGENIC		
SNP_15800B_16028709	Ca_Kabuli_Chr04	NC_021163.1	16028709	TT	GG	GG	URR	101493197	BI1-like protein
SNP_15801B_16028729	Ca_Kabuli_Chr04	NC_021163.1	16028729	GG	TT	TT	URR	101493197	BI1-like protein
SNP_15802B_16042350	Ca_Kabuli_Chr04	NC_021163.1	16042350	TT	CC	CC	INTERGENIC		
SNP_15803B_16044338	Ca_Kabuli_Chr04	NC_021163.1	16044338	TT	CC	CC	DRR	101493829	glutamine--tRNA ligase
SNP_15804B_16049010	Ca_Kabuli_Chr04	NC_021163.1	16049010	AA	GG	GG	INTRON	101493829	glutamine--tRNA ligase
SNP_15805B_16051721	Ca_Kabuli_Chr04	NC_021163.1	16051721	AA	GG	GG	INTRON	101493829	glutamine--tRNA ligase
SNP_15806B_16055627	Ca_Kabuli_Chr04	NC_021163.1	16055627	CC	AA	AA	URR	101493829	glutamine--tRNA ligase
SNP_15807B_16055785	Ca_Kabuli_Chr04	NC_021163.1	16055785	CC	TT	TT	URR	101493829	glutamine--tRNA ligase
SNP_15808B_16061164	Ca_Kabuli_Chr04	NC_021163.1	16061164	CC	AA	AA	INTERGENIC		
SNP_15809B_16061165	Ca_Kabuli_Chr04	NC_021163.1	16061165	AA	CC	CC	INTERGENIC		
SNP_15810B_16066167	Ca_Kabuli_Chr04	NC_021163.1	16066167	CC	GG	GG	INTERGENIC		
SNP_15812B_16072589	Ca_Kabuli_Chr04	NC_021163.1	16072589	TT	GG	GG	DRR	101494464	uncharacterized LOC101494464
SNP_15813B_16072597	Ca_Kabuli_Chr04	NC_021163.1	16072597	AA	TT	TT	DRR	101494464	uncharacterized LOC101494464
SNP_15814B_16074072	Ca_Kabuli_Chr04	NC_021163.1	16074072	CC	AA	AA	INTERGENIC		
SNP_15815B_16080199	Ca_Kabuli_Chr04	NC_021163.1	16080199	AA	TT	TT	URR	101495224	endonuclease 2

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_15816B_16080208	Ca_Kabuli_Chr04	NC_021163.1	16080208	CC	TT	TT	URR	101495224	endonuclease 2
SNP_15817B_16080595	Ca_Kabuli_Chr04	NC_021163.1	16080595	GG	TT	TT	URR	101495224	endonuclease 2
SNP_15818B_16082874	Ca_Kabuli_Chr04	NC_021163.1	16082874	TT	CC	CC	INTERGENIC		
SNP_15819B_16085164	Ca_Kabuli_Chr04	NC_021163.1	16085164	AA	CC	CC	INTERGENIC		
SNP_15820B_16089682	Ca_Kabuli_Chr04	NC_021163.1	16089682	GG	TT	TT	INTERGENIC		
SNP_15821B_16098284	Ca_Kabuli_Chr04	NC_021163.1	16098284	GG	AA	AA	URR	101495542	uncharacterized LOC101495542
SNP_15822B_16098287	Ca_Kabuli_Chr04	NC_021163.1	16098287	AA	TT	TT	URR	101495542	uncharacterized LOC101495542
SNP_15823B_16098294	Ca_Kabuli_Chr04	NC_021163.1	16098294	CC	TT	TT	URR	101495542	uncharacterized LOC101495542
SNP_15824B_16098495	Ca_Kabuli_Chr04	NC_021163.1	16098495	TT	AA	AA	URR	101495542	uncharacterized LOC101495542
SNP_15825B_16098514	Ca_Kabuli_Chr04	NC_021163.1	16098514	CC	TT	TT	URR	101495542	uncharacterized LOC101495542
SNP_15826B_16098774	Ca_Kabuli_Chr04	NC_021163.1	16098774	GG	AA	AA	URR	101495542	uncharacterized LOC101495542
SNP_15827B_16130942	Ca_Kabuli_Chr04	NC_021163.1	16130942	TT	AA	AA	INTERGENIC		
SNP_15829B_16146596	Ca_Kabuli_Chr04	NC_021163.1	16146596	CC	TT	TT	URR	101496529	caffeoylshikimate esterase-like
SNP_15830B_16146601	Ca_Kabuli_Chr04	NC_021163.1	16146601	AA	GG	GG	URR	101496529	caffeoylshikimate esterase-like
SNP_15832B_16262073	Ca_Kabuli_Chr04	NC_021163.1	16262073	AA	GG	GG	INTERGENIC		
SNP_15833B_16337168	Ca_Kabuli_Chr04	NC_021163.1	16337168	AA	GG	GG	INTERGENIC		
SNP_15834B_16355503	Ca_Kabuli_Chr04	NC_021163.1	16355503	CC	TT	TT	INTERGENIC		
SNP_15835B_16380510	Ca_Kabuli_Chr04	NC_021163.1	16380510	TT	CC	CC	INTERGENIC		
SNP_15836B_16404619	Ca_Kabuli_Chr04	NC_021163.1	16404619	CC	TT	TT	INTERGENIC		
SNP_15837B_16475717	Ca_Kabuli_Chr04	NC_021163.1	16475717	GG	AA	AA	INTERGENIC		
SNP_15839B_16483302	Ca_Kabuli_Chr04	NC_021163.1	16483302	AA	GG	GG	INTERGENIC		
SNP_15840B_16560757	Ca_Kabuli_Chr04	NC_021163.1	16560757	AA	GG	GG	INTERGENIC		
SNP_15841B_16593865	Ca_Kabuli_Chr04	NC_021163.1	16593865	CC	TT	TT	DRR	101508657	uncharacterized LOC101508657
SNP_15842B_16688460	Ca_Kabuli_Chr04	NC_021163.1	16688460	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_15843B_16728768	Ca_Kabuli_Chr04	NC_021163.1	16728768	GG	AA	AA	URR	101511974	transcription factor DIVARICATA
SNP_15844B_16733718	Ca_Kabuli_Chr04	NC_021163.1	16733718	TT	CC	CC	URR	101512302	uncharacterized protein At2g27730, mitochondrial
SNP_15846B_16804549	Ca_Kabuli_Chr04	NC_021163.1	16804549	AA	GG	GG	DRR	101488302	ribonuclease H2 subunit A
SNP_15847B_16819105	Ca_Kabuli_Chr04	NC_021163.1	16819105	AA	GG	GG	URR	101489519	ferredoxin, root R-B1-like
SNP_15849B_16879410	Ca_Kabuli_Chr04	NC_021163.1	16879410	AA	GG	GG	URR	101491556	uncharacterized LOC101491556
SNP_15850B_16879411	Ca_Kabuli_Chr04	NC_021163.1	16879411	AA	GG	GG	URR	101491556	uncharacterized LOC101491556
SNP_15851B_16906791	Ca_Kabuli_Chr04	NC_021163.1	16906791	GG	AA	AA	INTERGENIC		
SNP_15852B_16906801	Ca_Kabuli_Chr04	NC_021163.1	16906801	CC	AA	AA	DRR	101492866	pentatricopeptide repeat-containing protein At2g35130
SNP_15854B_16943240	Ca_Kabuli_Chr04	NC_021163.1	16943240	GG	AA	AA	INTERGENIC		
SNP_15857B_16987383	Ca_Kabuli_Chr04	NC_021163.1	16987383	TT	CC	CC	INTRON	101494897	protein transport protein Sec24-like At4g32640
SNP_15858B_16998825	Ca_Kabuli_Chr04	NC_021163.1	16998825	GG	AA	AA	DRR	101495543	uncharacterized LOC101495543
SNP_15859B_17001487	Ca_Kabuli_Chr04	NC_021163.1	17001487	GG	CC	CC	URR	101495543	uncharacterized LOC101495543
SNP_15860B_17007444	Ca_Kabuli_Chr04	NC_021163.1	17007444	AA	CC	CC	INTERGENIC		
SNP_15861B_17007852	Ca_Kabuli_Chr04	NC_021163.1	17007852	AA	CC	CC	INTERGENIC		
SNP_15862B_17008379	Ca_Kabuli_Chr04	NC_021163.1	17008379	GG	AA	AA	URR	101495873	uncharacterized LOC101495873
SNP_15865B_17013283	Ca_Kabuli_Chr04	NC_021163.1	17013283	CC	TT	TT	INTERGENIC		
SNP_15866B_17015542	Ca_Kabuli_Chr04	NC_021163.1	17015542	AA	TT	TT	URR	101496204	putative Myb family transcription factor At1g14600
SNP_15867B_17015909	Ca_Kabuli_Chr04	NC_021163.1	17015909	TT	GG	GG	URR	101496204	putative Myb family transcription factor At1g14600
SNP_15868B_17018194	Ca_Kabuli_Chr04	NC_021163.1	17018194	GG	AA	AA	INTERGENIC		
SNP_15869B_17018207	Ca_Kabuli_Chr04	NC_021163.1	17018207	AA	TT	TT	INTERGENIC		
SNP_15870B_17023158	Ca_Kabuli_Chr04	NC_021163.1	17023158	AA	TT	TT	INTERGENIC		
SNP_15872B_17030566	Ca_Kabuli_Chr04	NC_021163.1	17030566	GG	AA	AA	DRR	101511326	pentatricopeptide repeat-containing protein At5g39350
SNP_15873B_17037485	Ca_Kabuli_Chr04	NC_021163.1	17037485	TT	GG	GG	DRR	101496862	glycerate dehydrogenase
SNP_15874B_17064832	Ca_Kabuli_Chr04	NC_021163.1	17064832	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_15875B_17081211	Ca_Kabuli_Chr04	NC_021163.1	17081211	TT	CC	CC	URR	101498605	Unknown function
SNP_15876B_17081458	Ca_Kabuli_Chr04	NC_021163.1	17081458	GG	AA	AA	URR	101498605	Unknown function
SNP_15877B_17081489	Ca_Kabuli_Chr04	NC_021163.1	17081489	TT	CC	CC	URR	101498605	Unknown function
SNP_15878B_17081510	Ca_Kabuli_Chr04	NC_021163.1	17081510	AA	GG	GG	URR	101498605	Unknown function
SNP_15879B_17081524	Ca_Kabuli_Chr04	NC_021163.1	17081524	GG	AA	AA	URR	101498605	Unknown function
SNP_15880B_17081546	Ca_Kabuli_Chr04	NC_021163.1	17081546	CC	TT	TT	URR	101498605	Unknown function
SNP_15881B_17081588	Ca_Kabuli_Chr04	NC_021163.1	17081588	GG	AA	AA	URR	101498605	Unknown function
SNP_15882B_17081628	Ca_Kabuli_Chr04	NC_021163.1	17081628	AA	GG	GG	URR	101498605	Unknown function
SNP_15883B_17081639	Ca_Kabuli_Chr04	NC_021163.1	17081639	AA	GG	GG	URR	101498605	Unknown function
SNP_15884B_17081694	Ca_Kabuli_Chr04	NC_021163.1	17081694	TT	GG	GG	URR	101498605	Unknown function
SNP_15886B_17081945	Ca_Kabuli_Chr04	NC_021163.1	17081945	AA	TT	TT	URR	101498605	Unknown function
SNP_15887B_17081985	Ca_Kabuli_Chr04	NC_021163.1	17081985	AA	TT	TT	URR	101498605	Unknown function
SNP_15889B_17082019	Ca_Kabuli_Chr04	NC_021163.1	17082019	AA	TT	TT	URR	101498605	Unknown function
SNP_15890B_17086904	Ca_Kabuli_Chr04	NC_021163.1	17086904	GG	AA	AA	DRR	101498937	uncharacterized LOC101498937
SNP_15891B_17086966	Ca_Kabuli_Chr04	NC_021163.1	17086966	TT	GG	GG	DRR	101498937	uncharacterized LOC101498937
SNP_15892B_17087031	Ca_Kabuli_Chr04	NC_021163.1	17087031	GG	AA	AA	DRR	101498937	uncharacterized LOC101498937
SNP_15893B_17087866	Ca_Kabuli_Chr04	NC_021163.1	17087866	AA	GG	GG	INTRON	id80882	Unknown function
SNP_15894B_17087969	Ca_Kabuli_Chr04	NC_021163.1	17087969	CC	TT	TT	INTRON	id80882	Unknown function
SNP_15895B_17088154	Ca_Kabuli_Chr04	NC_021163.1	17088154	AA	CC	CC	INTRON	id80882	Unknown function
SNP_15896B_17088176	Ca_Kabuli_Chr04	NC_021163.1	17088176	TT	AA	AA	INTRON	id80882	Unknown function
SNP_15897B_17088202	Ca_Kabuli_Chr04	NC_021163.1	17088202	CC	TT	TT	INTRON	id80882	Unknown function
SNP_15898B_17088269	Ca_Kabuli_Chr04	NC_021163.1	17088269	CC	TT	TT	INTRON	id80882	Unknown function
SNP_15899B_17095262	Ca_Kabuli_Chr04	NC_021163.1	17095262	AA	GG	GG	INTERGENIC		
SNP_15900B_17096010	Ca_Kabuli_Chr04	NC_021163.1	17096010	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_15902B_17096081	Ca_Kabuli_Chr04	NC_021163.1	17096081	TT	CC	CC	INTERGENIC		
SNP_15903B_17102203	Ca_Kabuli_Chr04	NC_021163.1	17102203	CC	TT	TT	DRR	101499161	mavicyanin-like
SNP_15904B_17105292	Ca_Kabuli_Chr04	NC_021163.1	17105292	TT	CC	CC	URR	101499161	mavicyanin-like
SNP_15905B_17115296	Ca_Kabuli_Chr04	NC_021163.1	17115296	AA	GG	GG	URR	101499482	probable ubiquitin-conjugating enzyme E2 23
SNP_15906B_17116468	Ca_Kabuli_Chr04	NC_021163.1	17116468	TT	CC	CC	URR	101499482	probable ubiquitin-conjugating enzyme E2 23
SNP_15907B_17131256	Ca_Kabuli_Chr04	NC_021163.1	17131256	TT	GG	GG	INTRON	101500527	zeaxanthin epoxidase, chloroplastic-like
SNP_15908B_17131304	Ca_Kabuli_Chr04	NC_021163.1	17131304	GG	AA	AA	INTRON	101500527	zeaxanthin epoxidase, chloroplastic-like
SNP_15909B_17131682	Ca_Kabuli_Chr04	NC_021163.1	17131682	AA	CC	CC	INTRON	101500527	zeaxanthin epoxidase, chloroplastic-like
SNP_15910B_17131977	Ca_Kabuli_Chr04	NC_021163.1	17131977	CC	TT	TT	INTRON	101500527	zeaxanthin epoxidase, chloroplastic-like
SNP_15911B_17139395	Ca_Kabuli_Chr04	NC_021163.1	17139395	CC	TT	TT	INTERGENIC		
SNP_15912B_17140399	Ca_Kabuli_Chr04	NC_021163.1	17140399	AA	GG	GG	INTERGENIC		
SNP_15913B_17143483	Ca_Kabuli_Chr04	NC_021163.1	17143483	GG	AA	AA	INTERGENIC		
SNP_15915B_17154033	Ca_Kabuli_Chr04	NC_021163.1	17154033	AA	GG	GG	INTRON	101501488	RNA-binding protein 39
SNP_15916B_17154455	Ca_Kabuli_Chr04	NC_021163.1	17154455	AA	GG	GG	INTERGENIC		
SNP_15917B_17158376	Ca_Kabuli_Chr04	NC_021163.1	17158376	GG	CC	CC	DRR	101501802	uncharacterized LOC101501802
SNP_15918B_17158559	Ca_Kabuli_Chr04	NC_021163.1	17158559	TT	AA	AA	DRR	101501802	uncharacterized LOC101501802
SNP_15919B_17158697	Ca_Kabuli_Chr04	NC_021163.1	17158697	AA	GG	GG	DRR	101501802	uncharacterized LOC101501802
SNP_15920B_17167464	Ca_Kabuli_Chr04	NC_021163.1	17167464	CC	TT	TT	INTERGENIC		
SNP_15921B_17167918	Ca_Kabuli_Chr04	NC_021163.1	17167918	TT	GG	GG	INTERGENIC		
SNP_15922B_17167998	Ca_Kabuli_Chr04	NC_021163.1	17167998	TT	AA	AA	INTERGENIC		
SNP_15923B_17168455	Ca_Kabuli_Chr04	NC_021163.1	17168455	GG	AA	AA	INTERGENIC		
SNP_15924B_17168531	Ca_Kabuli_Chr04	NC_021163.1	17168531	TT	GG	GG	INTERGENIC		
SNP_15925B_17172356	Ca_Kabuli_Chr04	NC_021163.1	17172356	CC	AA	AA	INTERGENIC		
SNP_15926B_17186721	Ca_Kabuli_Chr04	NC_021163.1	17186721	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_15927B_17186742	Ca_Kabuli_Chr04	NC_021163.1	17186742	AA	GG	GG	INTERGENIC		
SNP_15928B_17186888	Ca_Kabuli_Chr04	NC_021163.1	17186888	GG	AA	AA	INTERGENIC		
SNP_15929B_17186901	Ca_Kabuli_Chr04	NC_021163.1	17186901	GG	AA	AA	INTERGENIC		
SNP_15930B_17186903	Ca_Kabuli_Chr04	NC_021163.1	17186903	TT	CC	CC	INTERGENIC		
SNP_15931B_17186910	Ca_Kabuli_Chr04	NC_021163.1	17186910	AA	TT	TT	INTERGENIC		
SNP_15932B_17187222	Ca_Kabuli_Chr04	NC_021163.1	17187222	TT	GG	GG	INTERGENIC		
SNP_15933B_17193106	Ca_Kabuli_Chr04	NC_021163.1	17193106	TT	CC	CC	INTERGENIC		
SNP_15934B_17193804	Ca_Kabuli_Chr04	NC_021163.1	17193804	GG	TT	TT	URR	101502646	probable protein phosphatase 2C 79
SNP_15935B_17195431	Ca_Kabuli_Chr04	NC_021163.1	17195431	TT	GG	GG	DRR	101502337	uncharacterized LOC101502337
SNP_15936B_17195635	Ca_Kabuli_Chr04	NC_021163.1	17195635	AA	TT	TT	DRR	101502337	uncharacterized LOC101502337
SNP_15937B_17195836	Ca_Kabuli_Chr04	NC_021163.1	17195836	GG	AA	AA	DRR	101502337	uncharacterized LOC101502337
SNP_15938B_17195975	Ca_Kabuli_Chr04	NC_021163.1	17195975	AA	TT	TT	DRR	101502337	uncharacterized LOC101502337
SNP_15940B_17201283	Ca_Kabuli_Chr04	NC_021163.1	17201283	TT	AA	AA	URR	101502337	uncharacterized LOC101502337
SNP_15941B_17201336	Ca_Kabuli_Chr04	NC_021163.1	17201336	GG	CC	CC	DRR	101503512	protein CHAPERONE-LIKE PROTEIN OF POR1, chloroplastic
SNP_15942B_17204871	Ca_Kabuli_Chr04	NC_021163.1	17204871	AA	CC	CC	INTERGENIC		
SNP_15943B_17204952	Ca_Kabuli_Chr04	NC_021163.1	17204952	TT	AA	AA	INTERGENIC		
SNP_15944B_17211141	Ca_Kabuli_Chr04	NC_021163.1	17211141	TT	CC	CC	INTRON	101502961	V-type proton ATPase subunit B 2
SNP_15946B_17214503	Ca_Kabuli_Chr04	NC_021163.1	17214503	GG	AA	AA	URR	101502961	V-type proton ATPase subunit B 2
SNP_15949B_17224572	Ca_Kabuli_Chr04	NC_021163.1	17224572	AA	TT	TT	URR	101503848	dnaJ homolog subfamily C member 17
SNP_15950B_17225681	Ca_Kabuli_Chr04	NC_021163.1	17225681	TT	AA	AA	INTERGENIC		
SNP_15952B_17241611	Ca_Kabuli_Chr04	NC_021163.1	17241611	GG	AA	AA	URR	101504593	serine/threonine protein phosphatase 2A 57 kDa regulatory subunit B' beta isoform-like
SNP_15953B_17241622	Ca_Kabuli_Chr04	NC_021163.1	17241622	GG	AA	AA	URR	101504593	serine/threonine protein phosphatase 2A 57 kDa regulatory subunit B' beta isoform-like
SNP_15955B_17243645	Ca_Kabuli_Chr04	NC_021163.1	17243645	TT	GG	GG	INTERGENIC		
SNP_15956B_17243650	Ca_Kabuli_Chr04	NC_021163.1	17243650	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_15957B_17243711	Ca_Kabuli_Chr04	NC_021163.1	17243711	CC	TT	TT	INTERGENIC		
SNP_15958B_17245175	Ca_Kabuli_Chr04	NC_021163.1	17245175	AA	GG	GG	INTERGENIC		
SNP_15959B_17245236	Ca_Kabuli_Chr04	NC_021163.1	17245236	AA	TT	TT	INTERGENIC		
SNP_15960B_17246540	Ca_Kabuli_Chr04	NC_021163.1	17246540	GG	AA	AA	INTERGENIC		
SNP_15961B_17246555	Ca_Kabuli_Chr04	NC_021163.1	17246555	TT	CC	CC	INTERGENIC		
SNP_15962B_17246574	Ca_Kabuli_Chr04	NC_021163.1	17246574	AA	GG	GG	INTERGENIC		
SNP_15963B_17246905	Ca_Kabuli_Chr04	NC_021163.1	17246905	GG	TT	TT	INTERGENIC		
SNP_15964B_17247359	Ca_Kabuli_Chr04	NC_021163.1	17247359	AA	CC	CC	INTERGENIC		
SNP_15966B_17251463	Ca_Kabuli_Chr04	NC_021163.1	17251463	CC	TT	TT	INTERGENIC		
SNP_15967B_17251527	Ca_Kabuli_Chr04	NC_021163.1	17251527	AA	CC	CC	INTERGENIC		
SNP_15968B_17251563	Ca_Kabuli_Chr04	NC_021163.1	17251563	CC	AA	AA	INTERGENIC		
SNP_15969B_17252097	Ca_Kabuli_Chr04	NC_021163.1	17252097	CC	TT	TT	INTERGENIC		
SNP_15970B_17252102	Ca_Kabuli_Chr04	NC_021163.1	17252102	CC	GG	GG	INTERGENIC		
SNP_15971B_17252104	Ca_Kabuli_Chr04	NC_021163.1	17252104	TT	CC	CC	INTERGENIC		
SNP_15972B_17253234	Ca_Kabuli_Chr04	NC_021163.1	17253234	AA	GG	GG	INTERGENIC		
SNP_15973B_17254622	Ca_Kabuli_Chr04	NC_021163.1	17254622	GG	AA	AA	INTERGENIC		
SNP_15974B_17259350	Ca_Kabuli_Chr04	NC_021163.1	17259350	GG	AA	AA	INTERGENIC		
SNP_15976B_17261915	Ca_Kabuli_Chr04	NC_021163.1	17261915	CC	GG	GG	INTRON	101505114	hippocampus abundant transcript-like protein 1
SNP_15978B_17270576	Ca_Kabuli_Chr04	NC_021163.1	17270576	AA	CC	CC	INTERGENIC		
SNP_15979B_17270587	Ca_Kabuli_Chr04	NC_021163.1	17270587	AA	TT	TT	INTERGENIC		
SNP_15980B_17270588	Ca_Kabuli_Chr04	NC_021163.1	17270588	TT	CC	CC	INTERGENIC		
SNP_15981B_17285206	Ca_Kabuli_Chr04	NC_021163.1	17285206	TT	AA	AA	DRR	101512303	uncharacterized LOC101512303
SNP_15982B_17286647	Ca_Kabuli_Chr04	NC_021163.1	17286647	CC	TT	TT	INTRON	101512303	uncharacterized LOC101512303
SNP_15984B_17287847	Ca_Kabuli_Chr04	NC_021163.1	17287847	AA	GG	GG	SYNONYMOUS_CODING	101512303	uncharacterized LOC101512303

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_15985B_17288932	Ca_Kabuli_Chr04	NC_021163.1	17288932	GG	AA	AA	INTRON	101512303	uncharacterized LOC101512303
SNP_15986B_17289312	Ca_Kabuli_Chr04	NC_021163.1	17289312	GG	AA	AA	INTERGENIC		
SNP_15987B_17289320	Ca_Kabuli_Chr04	NC_021163.1	17289320	AA	CC	CC	INTERGENIC		
SNP_15988B_17289327	Ca_Kabuli_Chr04	NC_021163.1	17289327	AA	GG	GG	INTERGENIC		
SNP_15989B_17289883	Ca_Kabuli_Chr04	NC_021163.1	17289883	GG	AA	AA	URR	101512303	uncharacterized LOC101512303
SNP_15990B_17291028	Ca_Kabuli_Chr04	NC_021163.1	17291028	GG	TT	TT	URR	101512303	uncharacterized LOC101512303
SNP_15991B_17293768	Ca_Kabuli_Chr04	NC_021163.1	17293768	AA	GG	GG	DRR	101506961	uncharacterized LOC101506961
SNP_15992B_17294886	Ca_Kabuli_Chr04	NC_021163.1	17294886	GG	AA	AA	INTERGENIC		
SNP_15993B_17295114	Ca_Kabuli_Chr04	NC_021163.1	17295114	AA	TT	TT	INTERGENIC		
SNP_15996B_17313161	Ca_Kabuli_Chr04	NC_021163.1	17313161	TT	CC	CC	URR	101507285	serine/threonine-protein kinase ATR
SNP_15998B_17314543	Ca_Kabuli_Chr04	NC_021163.1	17314543	AA	TT	TT	URR	101507285	serine/threonine-protein kinase ATR
SNP_16000B_17314901	Ca_Kabuli_Chr04	NC_021163.1	17314901	AA	GG	GG	URR	101507285	serine/threonine-protein kinase ATR
SNP_16001B_17315205	Ca_Kabuli_Chr04	NC_021163.1	17315205	GG	AA	AA	DRR	101508226	mechanosensitive ion channel protein 6-like
SNP_16002B_17315206	Ca_Kabuli_Chr04	NC_021163.1	17315206	TT	CC	CC	DRR	101508226	mechanosensitive ion channel protein 6-like
SNP_16003B_17315289	Ca_Kabuli_Chr04	NC_021163.1	17315289	GG	AA	AA	DRR	101508226	mechanosensitive ion channel protein 6-like
SNP_16004B_17315465	Ca_Kabuli_Chr04	NC_021163.1	17315465	AA	TT	TT	DRR	101508226	mechanosensitive ion channel protein 6-like
SNP_16005B_17315476	Ca_Kabuli_Chr04	NC_021163.1	17315476	TT	AA	AA	DRR	101508226	mechanosensitive ion channel protein 6-like
SNP_16006B_17317985	Ca_Kabuli_Chr04	NC_021163.1	17317985	GG	AA	AA	INTRON	101508226	mechanosensitive ion channel protein 6-like
SNP_16007B_17318000	Ca_Kabuli_Chr04	NC_021163.1	17318000	GG	AA	AA	INTRON	101508226	mechanosensitive ion channel protein 6-like
SNP_16010B_17321925	Ca_Kabuli_Chr04	NC_021163.1	17321925	TT	AA	AA	URR	101508226	mechanosensitive ion channel protein 6-like
SNP_16012B_17322164	Ca_Kabuli_Chr04	NC_021163.1	17322164	TT	CC	CC	URR	101508226	mechanosensitive ion channel protein 6-like
SNP_16013B_17322236	Ca_Kabuli_Chr04	NC_021163.1	17322236	AA	TT	TT	URR	101508226	mechanosensitive ion channel protein 6-like
SNP_16014B_17324177	Ca_Kabuli_Chr04	NC_021163.1	17324177	GG	TT	TT	INTERGENIC		
SNP_16015B_17324285	Ca_Kabuli_Chr04	NC_021163.1	17324285	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_16016B_17324324	Ca_Kabuli_Chr04	NC_021163.1	17324324	GG	TT	TT	INTERGENIC		
SNP_16017B_17327335	Ca_Kabuli_Chr04	NC_021163.1	17327335	AA	GG	GG	INTERGENIC		
SNP_16018B_17328519	Ca_Kabuli_Chr04	NC_021163.1	17328519	TT	CC	CC	INTERGENIC		
SNP_16019B_17328524	Ca_Kabuli_Chr04	NC_021163.1	17328524	TT	AA	AA	INTERGENIC		
SNP_16020B_17328537	Ca_Kabuli_Chr04	NC_021163.1	17328537	AA	GG	GG	INTERGENIC		
SNP_16021B_17328539	Ca_Kabuli_Chr04	NC_021163.1	17328539	GG	CC	CC	INTERGENIC		
SNP_16022B_17328544	Ca_Kabuli_Chr04	NC_021163.1	17328544	TT	AA	AA	INTERGENIC		
SNP_16024B_17329282	Ca_Kabuli_Chr04	NC_021163.1	17329282	AA	GG	GG	INTERGENIC		
SNP_16025B_17330831	Ca_Kabuli_Chr04	NC_021163.1	17330831	TT	CC	CC	INTERGENIC		
SNP_16026B_17331101	Ca_Kabuli_Chr04	NC_021163.1	17331101	CC	TT	TT	INTERGENIC		
SNP_16027B_17331599	Ca_Kabuli_Chr04	NC_021163.1	17331599	CC	TT	TT	INTERGENIC		
SNP_16028B_17332275	Ca_Kabuli_Chr04	NC_021163.1	17332275	CC	AA	AA	INTERGENIC		
SNP_16029B_17332488	Ca_Kabuli_Chr04	NC_021163.1	17332488	TT	GG	GG	INTERGENIC		
SNP_16030B_17334093	Ca_Kabuli_Chr04	NC_021163.1	17334093	GG	TT	TT	INTERGENIC		
SNP_16031B_17334204	Ca_Kabuli_Chr04	NC_021163.1	17334204	GG	AA	AA	INTERGENIC		
SNP_16032B_17334359	Ca_Kabuli_Chr04	NC_021163.1	17334359	TT	AA	AA	INTERGENIC		
SNP_16033B_17334394	Ca_Kabuli_Chr04	NC_021163.1	17334394	TT	GG	GG	INTERGENIC		
SNP_16034B_17338491	Ca_Kabuli_Chr04	NC_021163.1	17338491	GG	AA	AA	INTERGENIC		
SNP_16035B_17339200	Ca_Kabuli_Chr04	NC_021163.1	17339200	GG	AA	AA	INTERGENIC		
SNP_16037B_17343730	Ca_Kabuli_Chr04	NC_021163.1	17343730	GG	AA	AA	SYNONYMOUS_CODING	101508977	mediator of RNA polymerase II transcription subunit 36a-like
SNP_16038B_17349404	Ca_Kabuli_Chr04	NC_021163.1	17349404	AA	TT	TT	INTERGENIC		
SNP_16039B_17353118	Ca_Kabuli_Chr04	NC_021163.1	17353118	CC	TT	TT	INTERGENIC		
SNP_16040B_17353145	Ca_Kabuli_Chr04	NC_021163.1	17353145	CC	TT	TT	INTERGENIC		
SNP_16041B_17356320	Ca_Kabuli_Chr04	NC_021163.1	17356320	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_16042B_17366772	Ca_Kabuli_Chr04	NC_021163.1	17366772	AA	CC	CC	URR	101509291	serine/threonine-protein kinase HT1
SNP_16043B_17367052	Ca_Kabuli_Chr04	NC_021163.1	17367052	TT	AA	AA	URR	101509291	serine/threonine-protein kinase HT1
SNP_16044B_17367056	Ca_Kabuli_Chr04	NC_021163.1	17367056	TT	CC	CC	URR	101509291	serine/threonine-protein kinase HT1
SNP_16046B_17367173	Ca_Kabuli_Chr04	NC_021163.1	17367173	CC	TT	TT	URR	101509291	serine/threonine-protein kinase HT1
SNP_16047B_17368762	Ca_Kabuli_Chr04	NC_021163.1	17368762	TT	CC	CC	INTERGENIC		
SNP_16048B_17372946	Ca_Kabuli_Chr04	NC_021163.1	17372946	TT	AA	AA	INTERGENIC		
SNP_16049B_17373612	Ca_Kabuli_Chr04	NC_021163.1	17373612	GG	CC	CC	INTERGENIC		
SNP_16051B_17386205	Ca_Kabuli_Chr04	NC_021163.1	17386205	AA	GG	GG	INTERGENIC		
SNP_16052B_17387026	Ca_Kabuli_Chr04	NC_021163.1	17387026	AA	CC	CC	INTERGENIC		
SNP_16053B_17387030	Ca_Kabuli_Chr04	NC_021163.1	17387030	AA	CC	CC	INTERGENIC		
SNP_16054B_17387047	Ca_Kabuli_Chr04	NC_021163.1	17387047	GG	AA	AA	INTERGENIC		
SNP_16055B_17388621	Ca_Kabuli_Chr04	NC_021163.1	17388621	CC	AA	AA	DRR	101510147	lysine-specific demethylase JMJ25-like
SNP_16056B_17388625	Ca_Kabuli_Chr04	NC_021163.1	17388625	TT	CC	CC	DRR	101510147	lysine-specific demethylase JMJ25-like
SNP_16057B_17393811	Ca_Kabuli_Chr04	NC_021163.1	17393811	TT	CC	CC	INTRON	101510147	lysine-specific demethylase JMJ25-like
SNP_16058B_17406305	Ca_Kabuli_Chr04	NC_021163.1	17406305	AA	GG	GG	INTERGENIC		
SNP_16059B_17407736	Ca_Kabuli_Chr04	NC_021163.1	17407736	AA	GG	GG	INTERGENIC		
SNP_16060B_17409922	Ca_Kabuli_Chr04	NC_021163.1	17409922	AA	GG	GG	INTERGENIC		
SNP_16061B_17409936	Ca_Kabuli_Chr04	NC_021163.1	17409936	AA	GG	GG	INTERGENIC		
SNP_16062B_17424955	Ca_Kabuli_Chr04	NC_021163.1	17424955	GG	AA	AA	INTERGENIC		
SNP_16063B_17425002	Ca_Kabuli_Chr04	NC_021163.1	17425002	TT	AA	AA	INTERGENIC		
SNP_16064B_17429165	Ca_Kabuli_Chr04	NC_021163.1	17429165	TT	GG	GG	NON_SYNONYMOUS_CODING	101510800	lysine-specific demethylase JMJ25-like
SNP_16065B_17431553	Ca_Kabuli_Chr04	NC_021163.1	17431553	AA	GG	GG	INTRON	101510800	lysine-specific demethylase JMJ25-like
SNP_16067B_17435419	Ca_Kabuli_Chr04	NC_021163.1	17435419	AA	GG	GG	DRR	101510469	uncharacterized LOC101510469
SNP_16068B_17435422	Ca_Kabuli_Chr04	NC_021163.1	17435422	AA	GG	GG	DRR	101510469	uncharacterized LOC101510469

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_16069B_17436250	Ca_Kabuli_Chr04	NC_021163.1	17436250	TT	AA	AA	INTERGENIC		
SNP_16070B_17436279	Ca_Kabuli_Chr04	NC_021163.1	17436279	TT	GG	GG	INTERGENIC		
SNP_16071B_17436281	Ca_Kabuli_Chr04	NC_021163.1	17436281	GG	TT	TT	INTERGENIC		
SNP_16072B_17436288	Ca_Kabuli_Chr04	NC_021163.1	17436288	AA	GG	GG	INTERGENIC		
SNP_16073B_17436359	Ca_Kabuli_Chr04	NC_021163.1	17436359	AA	GG	GG	URR	101510469	uncharacterized LOC101510469
SNP_16074B_17436363	Ca_Kabuli_Chr04	NC_021163.1	17436363	CC	TT	TT	URR	101510469	uncharacterized LOC101510469
SNP_16075B_17436799	Ca_Kabuli_Chr04	NC_021163.1	17436799	GG	AA	AA	URR	101510469	uncharacterized LOC101510469
SNP_16076B_17436804	Ca_Kabuli_Chr04	NC_021163.1	17436804	CC	TT	TT	URR	101510469	uncharacterized LOC101510469
SNP_16077B_17438875	Ca_Kabuli_Chr04	NC_021163.1	17438875	CC	AA	AA	INTERGENIC		
SNP_16078B_17442460	Ca_Kabuli_Chr04	NC_021163.1	17442460	TT	CC	CC	INTERGENIC		
SNP_16079B_17443056	Ca_Kabuli_Chr04	NC_021163.1	17443056	AA	GG	GG	INTERGENIC		
SNP_16080B_17458318	Ca_Kabuli_Chr04	NC_021163.1	17458318	TT	CC	CC	URR	101512402	WAT1-related protein At3g30340-like
SNP_16081B_17458322	Ca_Kabuli_Chr04	NC_021163.1	17458322	AA	CC	CC	URR	101512402	WAT1-related protein At3g30340-like
SNP_16082B_17458331	Ca_Kabuli_Chr04	NC_021163.1	17458331	AA	GG	GG	URR	101512402	WAT1-related protein At3g30340-like
SNP_16083B_17458374	Ca_Kabuli_Chr04	NC_021163.1	17458374	CC	TT	TT	URR	101512402	WAT1-related protein At3g30340-like
SNP_16084B_17458396	Ca_Kabuli_Chr04	NC_021163.1	17458396	GG	AA	AA	INTERGENIC		
SNP_16085B_17462920	Ca_Kabuli_Chr04	NC_021163.1	17462920	CC	TT	TT	DRR	101512719	E3 ubiquitin ligase BIG BROTHER-related
SNP_16086B_17462977	Ca_Kabuli_Chr04	NC_021163.1	17462977	GG	AA	AA	DRR	101512719	E3 ubiquitin ligase BIG BROTHER-related
SNP_16089B_17464338	Ca_Kabuli_Chr04	NC_021163.1	17464338	GG	AA	AA	INTRON	101512719	E3 ubiquitin ligase BIG BROTHER-related
SNP_16090B_17466772	Ca_Kabuli_Chr04	NC_021163.1	17466772	TT	CC	CC	INTRON	101512719	E3 ubiquitin ligase BIG BROTHER-related
SNP_16091B_17467667	Ca_Kabuli_Chr04	NC_021163.1	17467667	TT	AA	AA	INTERGENIC		
SNP_16092B_17467687	Ca_Kabuli_Chr04	NC_021163.1	17467687	CC	TT	TT	INTERGENIC		
SNP_16093B_17468085	Ca_Kabuli_Chr04	NC_021163.1	17468085	GG	AA	AA	INTERGENIC		
SNP_16094B_17469526	Ca_Kabuli_Chr04	NC_021163.1	17469526	AA	TT	TT	URR	101512719	E3 ubiquitin ligase BIG BROTHER-related

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_16095B_17469553	Ca_Kabuli_Chr04	NC_021163.1	17469553	GG	AA	AA	URR	101512719	E3 ubiquitin ligase BIG BROTHER-related
SNP_16097B_17477488	Ca_Kabuli_Chr04	NC_021163.1	17477488	GG	CC	CC	DRR	101513271	dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3A
SNP_16099B_17480621	Ca_Kabuli_Chr04	NC_021163.1	17480621	GG	AA	AA	INTRON	101513271	dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3A
SNP_16100B_17483838	Ca_Kabuli_Chr04	NC_021163.1	17483838	TT	CC	CC	INTRON	101513271	dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3A
SNP_16101B_17483852	Ca_Kabuli_Chr04	NC_021163.1	17483852	TT	CC	CC	INTRON	101513271	dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3A
SNP_16102B_17485575	Ca_Kabuli_Chr04	NC_021163.1	17485575	TT	CC	CC	INTERGENIC		
SNP_16103B_17491527	Ca_Kabuli_Chr04	NC_021163.1	17491527	TT	AA	AA	INTERGENIC		
SNP_16104B_17493422	Ca_Kabuli_Chr04	NC_021163.1	17493422	GG	TT	TT	INTRON	101513923	Unknown function
SNP_16105B_17495176	Ca_Kabuli_Chr04	NC_021163.1	17495176	GG	AA	AA	URR	101513923	Unknown function
SNP_16106B_17495211	Ca_Kabuli_Chr04	NC_021163.1	17495211	GG	CC	CC	URR	101513923	Unknown function
SNP_16107B_17495227	Ca_Kabuli_Chr04	NC_021163.1	17495227	GG	AA	AA	URR	101513923	Unknown function
SNP_16108B_17524659	Ca_Kabuli_Chr04	NC_021163.1	17524659	TT	AA	AA	URR	101514576	thioredoxin X, chloroplastic
SNP_16109B_17526167	Ca_Kabuli_Chr04	NC_021163.1	17526167	AA	TT	TT	URR	101514576	thioredoxin X, chloroplastic
SNP_16110B_17526610	Ca_Kabuli_Chr04	NC_021163.1	17526610	GG	AA	AA	INTRON	101514900	pentatricopeptide repeat-containing protein At3g59040
SNP_16111B_17526907	Ca_Kabuli_Chr04	NC_021163.1	17526907	TT	CC	CC	SYNONYMOUS_CODING	101514900	pentatricopeptide repeat-containing protein At3g59040
SNP_16113B_17530458	Ca_Kabuli_Chr04	NC_021163.1	17530458	GG	AA	AA	URR	101514900	pentatricopeptide repeat-containing protein At3g59040
SNP_16114B_17530874	Ca_Kabuli_Chr04	NC_021163.1	17530874	AA	GG	GG	URR	101514900	pentatricopeptide repeat-containing protein At3g59040
SNP_16116B_17533675	Ca_Kabuli_Chr04	NC_021163.1	17533675	AA	GG	GG	INTERGENIC		
SNP_16118B_17534738	Ca_Kabuli_Chr04	NC_021163.1	17534738	TT	CC	CC	URR	101515225	uncharacterized LOC101515225
SNP_16119B_17545746	Ca_Kabuli_Chr04	NC_021163.1	17545746	TT	AA	AA	URR	101514901	uncharacterized LOC101514901
SNP_16120B_17554811	Ca_Kabuli_Chr04	NC_021163.1	17554811	AA	TT	TT	INTERGENIC		
SNP_16121B_17556822	Ca_Kabuli_Chr04	NC_021163.1	17556822	GG	AA	AA	INTERGENIC		
SNP_16122B_17558801	Ca_Kabuli_Chr04	NC_021163.1	17558801	AA	GG	GG	INTERGENIC		
SNP_16123B_17561103	Ca_Kabuli_Chr04	NC_021163.1	17561103	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_16124B_17567079	Ca_Kabuli_Chr04	NC_021163.1	17567079	TT	CC	CC	INTERGENIC		
SNP_16126B_17568228	Ca_Kabuli_Chr04	NC_021163.1	17568228	TT	AA	AA	INTERGENIC		
SNP_16127B_17581562	Ca_Kabuli_Chr04	NC_021163.1	17581562	GG	AA	AA	URR	101515226	Unknown function
SNP_16128B_17581593	Ca_Kabuli_Chr04	NC_021163.1	17581593	AA	GG	GG	URR	101515226	Unknown function
SNP_16129B_17581611	Ca_Kabuli_Chr04	NC_021163.1	17581611	AA	TT	TT	URR	101515226	Unknown function
SNP_16130B_17581647	Ca_Kabuli_Chr04	NC_021163.1	17581647	CC	TT	TT	URR	101515226	Unknown function
SNP_16131B_17581676	Ca_Kabuli_Chr04	NC_021163.1	17581676	CC	GG	GG	URR	101515226	Unknown function
SNP_16132B_17589143	Ca_Kabuli_Chr04	NC_021163.1	17589143	GG	AA	AA	INTERGENIC		
SNP_16133B_17595546	Ca_Kabuli_Chr04	NC_021163.1	17595546	CC	AA	AA	INTERGENIC		
SNP_16134B_17595763	Ca_Kabuli_Chr04	NC_021163.1	17595763	TT	CC	CC	INTERGENIC		
SNP_16135B_17595864	Ca_Kabuli_Chr04	NC_021163.1	17595864	TT	AA	AA	INTERGENIC		
SNP_16136B_17596054	Ca_Kabuli_Chr04	NC_021163.1	17596054	GG	TT	TT	INTERGENIC		
SNP_16137B_17596360	Ca_Kabuli_Chr04	NC_021163.1	17596360	AA	GG	GG	INTERGENIC		
SNP_16138B_17596515	Ca_Kabuli_Chr04	NC_021163.1	17596515	GG	AA	AA	INTERGENIC		
SNP_16139B_17597982	Ca_Kabuli_Chr04	NC_021163.1	17597982	TT	GG	GG	INTERGENIC		
SNP_16140B_17598790	Ca_Kabuli_Chr04	NC_021163.1	17598790	TT	GG	GG	INTERGENIC		
SNP_16141B_17599183	Ca_Kabuli_Chr04	NC_021163.1	17599183	AA	TT	TT	INTERGENIC		
SNP_16142B_17599307	Ca_Kabuli_Chr04	NC_021163.1	17599307	AA	GG	GG	INTERGENIC		
SNP_16143B_17599438	Ca_Kabuli_Chr04	NC_021163.1	17599438	GG	CC	CC	INTERGENIC		
SNP_16144B_17599439	Ca_Kabuli_Chr04	NC_021163.1	17599439	AA	GG	GG	INTERGENIC		
SNP_16145B_17599483	Ca_Kabuli_Chr04	NC_021163.1	17599483	AA	GG	GG	INTERGENIC		
SNP_16146B_17600259	Ca_Kabuli_Chr04	NC_021163.1	17600259	GG	AA	AA	INTERGENIC		
SNP_16147B_17600264	Ca_Kabuli_Chr04	NC_021163.1	17600264	AA	TT	TT	INTERGENIC		
SNP_16148B_17600292	Ca_Kabuli_Chr04	NC_021163.1	17600292	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_16149B_17600298	Ca_Kabuli_Chr04	NC_021163.1	17600298	TT	GG	GG	INTERGENIC		
SNP_16150B_17600324	Ca_Kabuli_Chr04	NC_021163.1	17600324	TT	CC	CC	INTERGENIC		
SNP_16151B_17600388	Ca_Kabuli_Chr04	NC_021163.1	17600388	TT	GG	GG	INTERGENIC		
SNP_16152B_17600429	Ca_Kabuli_Chr04	NC_021163.1	17600429	AA	GG	GG	INTERGENIC		
SNP_16153B_17600467	Ca_Kabuli_Chr04	NC_021163.1	17600467	AA	GG	GG	INTERGENIC		
SNP_16154B_17600562	Ca_Kabuli_Chr04	NC_021163.1	17600562	TT	GG	GG	INTERGENIC		
SNP_16155B_17600618	Ca_Kabuli_Chr04	NC_021163.1	17600618	CC	TT	TT	INTERGENIC		
SNP_16156B_17600744	Ca_Kabuli_Chr04	NC_021163.1	17600744	GG	AA	AA	INTERGENIC		
SNP_16157B_17600774	Ca_Kabuli_Chr04	NC_021163.1	17600774	GG	CC	CC	INTERGENIC		
SNP_16160B_17600936	Ca_Kabuli_Chr04	NC_021163.1	17600936	AA	TT	TT	INTERGENIC		
SNP_16161B_17601012	Ca_Kabuli_Chr04	NC_021163.1	17601012	TT	CC	CC	INTERGENIC		
SNP_16162B_17601081	Ca_Kabuli_Chr04	NC_021163.1	17601081	TT	AA	AA	INTERGENIC		
SNP_16163B_17601539	Ca_Kabuli_Chr04	NC_021163.1	17601539	CC	TT	TT	INTERGENIC		
SNP_16164B_17601603	Ca_Kabuli_Chr04	NC_021163.1	17601603	GG	AA	AA	DRR	101488304	E2F-associated phosphoprotein
SNP_16165B_17601607	Ca_Kabuli_Chr04	NC_021163.1	17601607	CC	AA	AA	DRR	101488304	E2F-associated phosphoprotein
SNP_16166B_17601646	Ca_Kabuli_Chr04	NC_021163.1	17601646	TT	AA	AA	DRR	101488304	E2F-associated phosphoprotein
SNP_16167B_17601815	Ca_Kabuli_Chr04	NC_021163.1	17601815	CC	TT	TT	DRR	101488304	E2F-associated phosphoprotein
SNP_16168B_17601830	Ca_Kabuli_Chr04	NC_021163.1	17601830	GG	AA	AA	DRR	101488304	E2F-associated phosphoprotein
SNP_16169B_17601835	Ca_Kabuli_Chr04	NC_021163.1	17601835	GG	AA	AA	DRR	101488304	E2F-associated phosphoprotein
SNP_16171B_17601933	Ca_Kabuli_Chr04	NC_021163.1	17601933	TT	GG	GG	DRR	101488304	E2F-associated phosphoprotein
SNP_16172B_17602199	Ca_Kabuli_Chr04	NC_021163.1	17602199	GG	AA	AA	DRR	101488304	E2F-associated phosphoprotein
SNP_16173B_17602202	Ca_Kabuli_Chr04	NC_021163.1	17602202	GG	AA	AA	DRR	101488304	E2F-associated phosphoprotein
SNP_16174B_17602232	Ca_Kabuli_Chr04	NC_021163.1	17602232	GG	AA	AA	DRR	101488304	E2F-associated phosphoprotein
SNP_16175B_17602243	Ca_Kabuli_Chr04	NC_021163.1	17602243	GG	AA	AA	DRR	101488304	E2F-associated phosphoprotein

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_16176B_17602244	Ca_Kabuli_Chr04	NC_021163.1	17602244	TT	GG	GG	DRR	101488304	E2F-associated phosphoprotein
SNP_16177B_17602321	Ca_Kabuli_Chr04	NC_021163.1	17602321	CC	TT	TT	DRR	101488304	E2F-associated phosphoprotein
SNP_16178B_17602346	Ca_Kabuli_Chr04	NC_021163.1	17602346	CC	TT	TT	DRR	101488304	E2F-associated phosphoprotein
SNP_16180B_17610040	Ca_Kabuli_Chr04	NC_021163.1	17610040	AA	TT	TT	URR	101488628	probable prefoldin subunit 5
SNP_16181B_17616662	Ca_Kabuli_Chr04	NC_021163.1	17616662	AA	GG	GG	INTERGENIC		
SNP_16182B_17617191	Ca_Kabuli_Chr04	NC_021163.1	17617191	AA	GG	GG	URR	101489414	anthranilate synthase alpha subunit 2, chloroplastic-like
SNP_16183B_17617489	Ca_Kabuli_Chr04	NC_021163.1	17617489	GG	TT	TT	URR	101489414	anthranilate synthase alpha subunit 2, chloroplastic-like
SNP_16184B_17621380	Ca_Kabuli_Chr04	NC_021163.1	17621380	TT	AA	AA	INTRON	101489733	dihydroorotate dehydrogenase (quinone), mitochondrial
SNP_16185B_17629415	Ca_Kabuli_Chr04	NC_021163.1	17629415	TT	GG	GG	DRR	101490049	myosin-1
SNP_16187B_17632470	Ca_Kabuli_Chr04	NC_021163.1	17632470	TT	CC	CC	INTRON	101490049	myosin-1
SNP_16188B_17633666	Ca_Kabuli_Chr04	NC_021163.1	17633666	TT	CC	CC	INTRON	101490049	myosin-1
SNP_16189B_17634865	Ca_Kabuli_Chr04	NC_021163.1	17634865	GG	AA	AA	INTRON	101490049	myosin-1
SNP_16190B_17641750	Ca_Kabuli_Chr04	NC_021163.1	17641750	GG	AA	AA	URR	101490049	myosin-1
SNP_16191B_17642087	Ca_Kabuli_Chr04	NC_021163.1	17642087	CC	TT	TT	URR	101490049	myosin-1
SNP_16192B_17649235	Ca_Kabuli_Chr04	NC_021163.1	17649235	CC	TT	TT	URR	101490917	cyclic pyranopterin monophosphate synthase accessory protein, mitochondrial
SNP_16193B_17649830	Ca_Kabuli_Chr04	NC_021163.1	17649830	GG	AA	AA	DRR	101491234	transmembrane protein 53
SNP_16194B_17649847	Ca_Kabuli_Chr04	NC_021163.1	17649847	AA	GG	GG	DRR	101491234	transmembrane protein 53
SNP_16195B_17649884	Ca_Kabuli_Chr04	NC_021163.1	17649884	CC	TT	TT	DRR	101491234	transmembrane protein 53
SNP_16196B_17649888	Ca_Kabuli_Chr04	NC_021163.1	17649888	TT	CC	CC	DRR	101491234	transmembrane protein 53
SNP_16197B_17654163	Ca_Kabuli_Chr04	NC_021163.1	17654163	TT	AA	AA	URR	101491234	transmembrane protein 53
SNP_16199B_17654613	Ca_Kabuli_Chr04	NC_021163.1	17654613	GG	TT	TT	URR	101491234	transmembrane protein 53
SNP_16200B_17656723	Ca_Kabuli_Chr04	NC_021163.1	17656723	GG	TT	TT	INTERGENIC		
SNP_16201B_17656809	Ca_Kabuli_Chr04	NC_021163.1	17656809	GG	AA	AA	INTERGENIC		
SNP_16202B_17659173	Ca_Kabuli_Chr04	NC_021163.1	17659173	CC	TT	TT	INTRON	101491557	F-box/LRR-repeat protein 20

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_16203B_17659174	Ca_Kabuli_Chr04	NC_021163.1	17659174	TT	CC	CC	INTRON	101491557	F-box/LRR-repeat protein 20
SNP_16204B_17665757	Ca_Kabuli_Chr04	NC_021163.1	17665757	CC	TT	TT	URR	101491865	E3 ubiquitin-protein ligase CIP8
SNP_16206B_17675387	Ca_Kabuli_Chr04	NC_021163.1	17675387	TT	GG	GG	URR	101492537	GEM-like protein 4
SNP_16207B_17677076	Ca_Kabuli_Chr04	NC_021163.1	17677076	TT	CC	CC	URR	101492537	GEM-like protein 4
SNP_16208B_17690387	Ca_Kabuli_Chr04	NC_021163.1	17690387	GG	TT	TT	INTRON	101493831	calumenin
SNP_16209B_17691490	Ca_Kabuli_Chr04	NC_021163.1	17691490	CC	TT	TT	INTRON	101493831	calumenin
SNP_16210B_17701618	Ca_Kabuli_Chr04	NC_021163.1	17701618	TT	GG	GG	URR	101515549	aluminum-activated malate transporter 14-like
SNP_16211B_17703569	Ca_Kabuli_Chr04	NC_021163.1	17703569	GG	AA	AA	INTERGENIC		
SNP_16212B_17703801	Ca_Kabuli_Chr04	NC_021163.1	17703801	TT	CC	CC	INTERGENIC		
SNP_16213B_17712755	Ca_Kabuli_Chr04	NC_021163.1	17712755	CC	TT	TT	INTERGENIC		
SNP_16214B_17726295	Ca_Kabuli_Chr04	NC_021163.1	17726295	TT	CC	CC	INTRON	101495115	uncharacterized ATP-dependent helicase C23E6.02
SNP_16215B_17730535	Ca_Kabuli_Chr04	NC_021163.1	17730535	CC	TT	TT	INTRON	101495115	uncharacterized ATP-dependent helicase C23E6.02
SNP_16216B_17732960	Ca_Kabuli_Chr04	NC_021163.1	17732960	TT	AA	AA	URR	101495115	uncharacterized ATP-dependent helicase C23E6.02
SNP_16217B_17734713	Ca_Kabuli_Chr04	NC_021163.1	17734713	CC	TT	TT	INTERGENIC		
SNP_16218B_17735618	Ca_Kabuli_Chr04	NC_021163.1	17735618	TT	AA	AA	INTERGENIC		
SNP_16219B_17735627	Ca_Kabuli_Chr04	NC_021163.1	17735627	TT	GG	GG	INTERGENIC		
SNP_16220B_17735639	Ca_Kabuli_Chr04	NC_021163.1	17735639	GG	TT	TT	INTERGENIC		
SNP_16221B_17735648	Ca_Kabuli_Chr04	NC_021163.1	17735648	CC	AA	AA	INTERGENIC		
SNP_16222B_17735913	Ca_Kabuli_Chr04	NC_021163.1	17735913	AA	GG	GG	INTERGENIC		
SNP_16223B_17735916	Ca_Kabuli_Chr04	NC_021163.1	17735916	GG	TT	TT	INTERGENIC		
SNP_16224B_17735926	Ca_Kabuli_Chr04	NC_021163.1	17735926	CC	AA	AA	INTERGENIC		
SNP_16225B_17735934	Ca_Kabuli_Chr04	NC_021163.1	17735934	GG	AA	AA	INTERGENIC		
SNP_16226B_17738850	Ca_Kabuli_Chr04	NC_021163.1	17738850	CC	TT	TT	INTERGENIC		
SNP_16228B_17739772	Ca_Kabuli_Chr04	NC_021163.1	17739772	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_16229B_17739798	Ca_Kabuli_Chr04	NC_021163.1	17739798	TT	GG	GG	INTERGENIC		
SNP_16230B_17740872	Ca_Kabuli_Chr04	NC_021163.1	17740872	AA	GG	GG	INTERGENIC		
SNP_16231B_17741543	Ca_Kabuli_Chr04	NC_021163.1	17741543	TT	AA	AA	INTERGENIC		
SNP_16232B_17741553	Ca_Kabuli_Chr04	NC_021163.1	17741553	AA	CC	CC	INTERGENIC		
SNP_16233B_17741759	Ca_Kabuli_Chr04	NC_021163.1	17741759	TT	CC	CC	INTERGENIC		
SNP_16234B_17744465	Ca_Kabuli_Chr04	NC_021163.1	17744465	TT	CC	CC	INTERGENIC		
SNP_16235B_17749991	Ca_Kabuli_Chr04	NC_021163.1	17749991	GG	AA	AA	DRR	101495980	LRR receptor-like serine/threonine-protein kinase GSO1
SNP_16236B_17754479	Ca_Kabuli_Chr04	NC_021163.1	17754479	GG	AA	AA	INTERGENIC		
SNP_16237B_17756550	Ca_Kabuli_Chr04	NC_021163.1	17756550	AA	GG	GG	INTERGENIC		
SNP_16239B_17766909	Ca_Kabuli_Chr04	NC_021163.1	17766909	AA	TT	TT	DRR	101496961	uncharacterized LOC101496961
SNP_16240B_17768650	Ca_Kabuli_Chr04	NC_021163.1	17768650	CC	TT	TT	SYNONYMOUS_CODING	101496961	uncharacterized LOC101496961
SNP_16241B_17775920	Ca_Kabuli_Chr04	NC_021163.1	17775920	CC	TT	TT	URR	101497292	PIN2/TERF1-interacting telomerase inhibitor 1-like
SNP_16242B_17784654	Ca_Kabuli_Chr04	NC_021163.1	17784654	TT	GG	GG	INTRON	101497853	uncharacterized LOC101497853
SNP_16244B_17786787	Ca_Kabuli_Chr04	NC_021163.1	17786787	GG	AA	AA	URR	101497853	uncharacterized LOC101497853
SNP_16245B_17793179	Ca_Kabuli_Chr04	NC_021163.1	17793179	TT	CC	CC	INTERGENIC		
SNP_16246B_17819541	Ca_Kabuli_Chr04	NC_021163.1	17819541	AA	CC	CC	INTERGENIC		
SNP_16247B_17819937	Ca_Kabuli_Chr04	NC_021163.1	17819937	CC	TT	TT	INTERGENIC		
SNP_16250B_17825402	Ca_Kabuli_Chr04	NC_021163.1	17825402	AA	GG	GG	INTERGENIC		
SNP_16252B_17825605	Ca_Kabuli_Chr04	NC_021163.1	17825605	CC	TT	TT	INTERGENIC		
SNP_16253B_17825607	Ca_Kabuli_Chr04	NC_021163.1	17825607	CC	TT	TT	INTERGENIC		
SNP_16254B_17825626	Ca_Kabuli_Chr04	NC_021163.1	17825626	CC	TT	TT	INTERGENIC		
SNP_16255B_17825685	Ca_Kabuli_Chr04	NC_021163.1	17825685	GG	AA	AA	INTERGENIC		
SNP_16256B_17825707	Ca_Kabuli_Chr04	NC_021163.1	17825707	CC	AA	AA	INTERGENIC		
SNP_16257B_17825748	Ca_Kabuli_Chr04	NC_021163.1	17825748	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_16258B_17825753	Ca_Kabuli_Chr04	NC_021163.1	17825753	CC	TT	TT	INTERGENIC		
SNP_16259B_17825773	Ca_Kabuli_Chr04	NC_021163.1	17825773	GG	AA	AA	INTERGENIC		
SNP_16260B_17825804	Ca_Kabuli_Chr04	NC_021163.1	17825804	CC	TT	TT	INTERGENIC		
SNP_16261B_17825874	Ca_Kabuli_Chr04	NC_021163.1	17825874	TT	AA	AA	INTERGENIC		
SNP_16263B_17825956	Ca_Kabuli_Chr04	NC_021163.1	17825956	TT	CC	CC	INTERGENIC		
SNP_16264B_17825974	Ca_Kabuli_Chr04	NC_021163.1	17825974	TT	AA	AA	INTERGENIC		
SNP_16266B_17826082	Ca_Kabuli_Chr04	NC_021163.1	17826082	TT	CC	CC	INTERGENIC		
SNP_16267B_17826110	Ca_Kabuli_Chr04	NC_021163.1	17826110	TT	CC	CC	INTERGENIC		
SNP_16268B_17826165	Ca_Kabuli_Chr04	NC_021163.1	17826165	TT	CC	CC	INTERGENIC		
SNP_16269B_17829471	Ca_Kabuli_Chr04	NC_021163.1	17829471	TT	AA	AA	INTERGENIC		
SNP_16270B_17829877	Ca_Kabuli_Chr04	NC_021163.1	17829877	GG	AA	AA	INTERGENIC		
SNP_16271B_17830754	Ca_Kabuli_Chr04	NC_021163.1	17830754	TT	CC	CC	INTERGENIC		
SNP_16272B_17846396	Ca_Kabuli_Chr04	NC_021163.1	17846396	GG	CC	CC	INTRON	101490711	probable methionine--tRNA ligase, mitochondrial
SNP_16273B_17849389	Ca_Kabuli_Chr04	NC_021163.1	17849389	TT	CC	CC	INTRON	101490711	probable methionine--tRNA ligase, mitochondrial
SNP_16275B_17851548	Ca_Kabuli_Chr04	NC_021163.1	17851548	TT	AA	AA	INTRON	101490711	probable methionine--tRNA ligase, mitochondrial
SNP_16276B_17851583	Ca_Kabuli_Chr04	NC_021163.1	17851583	AA	TT	TT	INTRON	101490711	probable methionine--tRNA ligase, mitochondrial
SNP_16277B_17854162	Ca_Kabuli_Chr04	NC_021163.1	17854162	GG	AA	AA	URR	101490711	probable methionine--tRNA ligase, mitochondrial
SNP_16278B_17856190	Ca_Kabuli_Chr04	NC_021163.1	17856190	AA	GG	GG	INTERGENIC		
SNP_16279B_17856694	Ca_Kabuli_Chr04	NC_021163.1	17856694	TT	CC	CC	INTERGENIC		
SNP_16280B_17863115	Ca_Kabuli_Chr04	NC_021163.1	17863115	AA	GG	GG	INTERGENIC		
SNP_16282B_17871397	Ca_Kabuli_Chr04	NC_021163.1	17871397	CC	GG	GG	URR	101491866	ras-related protein RABE1c-like
SNP_16285B_17955592	Ca_Kabuli_Chr04	NC_021163.1	17955592	TT	CC	CC	URR	101495656	beta-hexosaminidase 1-like
SNP_16287B_18033495	Ca_Kabuli_Chr04	NC_021163.1	18033495	GG	AA	AA	INTERGENIC		
SNP_16290B_18081472	Ca_Kabuli_Chr04	NC_021163.1	18081472	CC	TT	TT	INTRON	101500218	GRIP and coiled-coil domain-containing protein 2

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_16293B_18131236	Ca_Kabuli_Chr04	NC_021163.1	18131236	CC	TT	TT	INTERGENIC		
SNP_16294B_18131269	Ca_Kabuli_Chr04	NC_021163.1	18131269	CC	AA	AA	INTERGENIC		
SNP_16295B_18138248	Ca_Kabuli_Chr04	NC_021163.1	18138248	CC	AA	AA	INTERGENIC		
SNP_16297B_18201091	Ca_Kabuli_Chr04	NC_021163.1	18201091	TT	GG	GG	INTERGENIC		
SNP_16298B_18201095	Ca_Kabuli_Chr04	NC_021163.1	18201095	TT	CC	CC	INTERGENIC		
SNP_16299B_18262308	Ca_Kabuli_Chr04	NC_021163.1	18262308	TT	AA	AA	INTERGENIC		
SNP_16300B_18263815	Ca_Kabuli_Chr04	NC_021163.1	18263815	AA	GG	GG	INTERGENIC		
SNP_16301B_18264406	Ca_Kabuli_Chr04	NC_021163.1	18264406	TT	CC	CC	INTERGENIC		
SNP_16302B_18264423	Ca_Kabuli_Chr04	NC_021163.1	18264423	TT	AA	AA	INTERGENIC		
SNP_16303B_18264713	Ca_Kabuli_Chr04	NC_021163.1	18264713	TT	AA	AA	INTERGENIC		
SNP_16304B_18264802	Ca_Kabuli_Chr04	NC_021163.1	18264802	TT	CC	CC	INTERGENIC		
SNP_16305B_18295254	Ca_Kabuli_Chr04	NC_021163.1	18295254	AA	GG	GG	INTERGENIC		
SNP_16306B_18295473	Ca_Kabuli_Chr04	NC_021163.1	18295473	CC	TT	TT	INTERGENIC		
SNP_16307B_18296461	Ca_Kabuli_Chr04	NC_021163.1	18296461	AA	CC	CC	INTERGENIC		
SNP_16308B_18296469	Ca_Kabuli_Chr04	NC_021163.1	18296469	TT	CC	CC	INTERGENIC		
SNP_16309B_18296982	Ca_Kabuli_Chr04	NC_021163.1	18296982	GG	TT	TT	INTERGENIC		
SNP_16310B_18310636	Ca_Kabuli_Chr04	NC_021163.1	18310636	AA	TT	TT	INTERGENIC		
SNP_16311B_18369514	Ca_Kabuli_Chr04	NC_021163.1	18369514	CC	AA	AA	INTERGENIC		
SNP_16312B_18388451	Ca_Kabuli_Chr04	NC_021163.1	18388451	TT	CC	CC	INTERGENIC		
SNP_16313B_18388616	Ca_Kabuli_Chr04	NC_021163.1	18388616	AA	TT	TT	INTERGENIC		
SNP_16315B_18515433	Ca_Kabuli_Chr04	NC_021163.1	18515433	TT	AA	AA	INTERGENIC		
SNP_16317B_18558588	Ca_Kabuli_Chr04	NC_021163.1	18558588	GG	AA	AA	INTRON	101514782	protein TONNEAU 1b-like
SNP_16318B_18650473	Ca_Kabuli_Chr04	NC_021163.1	18650473	CC	AA	AA	INTERGENIC		
SNP_16319B_18653012	Ca_Kabuli_Chr04	NC_021163.1	18653012	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_16320B_18676428	Ca_Kabuli_Chr04	NC_021163.1	18676428	TT	GG	GG	INTERGENIC		
SNP_16321B_18676838	Ca_Kabuli_Chr04	NC_021163.1	18676838	TT	CC	CC	INTERGENIC		
SNP_16322B_18677131	Ca_Kabuli_Chr04	NC_021163.1	18677131	TT	CC	CC	INTERGENIC		
SNP_16323B_18677169	Ca_Kabuli_Chr04	NC_021163.1	18677169	TT	CC	CC	INTERGENIC		
SNP_16324B_18703967	Ca_Kabuli_Chr04	NC_021163.1	18703967	TT	CC	CC	INTERGENIC		
SNP_16326B_18704126	Ca_Kabuli_Chr04	NC_021163.1	18704126	GG	AA	AA	INTERGENIC		
SNP_16327B_18704377	Ca_Kabuli_Chr04	NC_021163.1	18704377	AA	GG	GG	INTERGENIC		
SNP_16328B_18770235	Ca_Kabuli_Chr04	NC_021163.1	18770235	CC	TT	TT	INTRON	101492868	callose synthase 9
SNP_16329B_18801138	Ca_Kabuli_Chr04	NC_021163.1	18801138	TT	GG	GG	DRR	101493200	uncharacterized LOC101493200
SNP_16330B_18801999	Ca_Kabuli_Chr04	NC_021163.1	18801999	GG	TT	TT	INTRON	101493200	uncharacterized LOC101493200
SNP_16331B_18837011	Ca_Kabuli_Chr04	NC_021163.1	18837011	AA	GG	GG	INTERGENIC		
SNP_16333B_18969384	Ca_Kabuli_Chr04	NC_021163.1	18969384	AA	GG	GG	URR	101497192	uncharacterized LOC101497192
SNP_16335B_19046014	Ca_Kabuli_Chr04	NC_021163.1	19046014	AA	TT	TT	INTERGENIC		
SNP_16336B_19046122	Ca_Kabuli_Chr04	NC_021163.1	19046122	AA	CC	CC	INTERGENIC		
SNP_16337B_19046132	Ca_Kabuli_Chr04	NC_021163.1	19046132	AA	CC	CC	INTERGENIC		
SNP_16339B_19082324	Ca_Kabuli_Chr04	NC_021163.1	19082324	GG	AA	AA	INTERGENIC		
SNP_16340B_19082756	Ca_Kabuli_Chr04	NC_021163.1	19082756	CC	TT	TT	INTERGENIC		
SNP_16341B_19103892	Ca_Kabuli_Chr04	NC_021163.1	19103892	GG	CC	CC	INTERGENIC		
SNP_16342B_19115935	Ca_Kabuli_Chr04	NC_021163.1	19115935	CC	GG	GG	INTERGENIC		
SNP_16343B_19163488	Ca_Kabuli_Chr04	NC_021163.1	19163488	AA	GG	GG	URR	101504803	probable protein phosphatase 2C 33
SNP_16344B_19163510	Ca_Kabuli_Chr04	NC_021163.1	19163510	TT	CC	CC	URR	101504803	probable protein phosphatase 2C 33
SNP_16345B_19164417	Ca_Kabuli_Chr04	NC_021163.1	19164417	AA	TT	TT	DRR	101503946	phosphoglucan, water dikinase, chloroplastic
SNP_16347B_19296688	Ca_Kabuli_Chr04	NC_021163.1	19296688	AA	TT	TT	INTERGENIC		
SNP_16348B_19296691	Ca_Kabuli_Chr04	NC_021163.1	19296691	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_16350B_19342455	Ca_Kabuli_Chr04	NC_021163.1	19342455	TT	CC	CC	INTERGENIC		
SNP_16352B_19397407	Ca_Kabuli_Chr04	NC_021163.1	19397407	CC	TT	TT	INTERGENIC		
SNP_16354B_19445972	Ca_Kabuli_Chr04	NC_021163.1	19445972	TT	GG	GG	INTERGENIC		
SNP_16355B_19446025	Ca_Kabuli_Chr04	NC_021163.1	19446025	AA	CC	CC	INTERGENIC		
SNP_16356B_19446052	Ca_Kabuli_Chr04	NC_021163.1	19446052	AA	GG	GG	INTERGENIC		
SNP_16357B_19446068	Ca_Kabuli_Chr04	NC_021163.1	19446068	CC	AA	AA	INTERGENIC		
SNP_16358B_19446108	Ca_Kabuli_Chr04	NC_021163.1	19446108	AA	GG	GG	INTERGENIC		
SNP_16359B_19446272	Ca_Kabuli_Chr04	NC_021163.1	19446272	AA	GG	GG	INTERGENIC		
SNP_16360B_19446307	Ca_Kabuli_Chr04	NC_021163.1	19446307	TT	CC	CC	INTERGENIC		
SNP_16361B_19517367	Ca_Kabuli_Chr04	NC_021163.1	19517367	TT	GG	GG	INTRON	101512945	two-component response regulator-like APRR3
SNP_16362B_19517423	Ca_Kabuli_Chr04	NC_021163.1	19517423	TT	CC	CC	INTRON	101512945	two-component response regulator-like APRR3
SNP_16363B_19577135	Ca_Kabuli_Chr04	NC_021163.1	19577135	CC	TT	TT	INTERGENIC		
SNP_16364B_19607593	Ca_Kabuli_Chr04	NC_021163.1	19607593	AA	GG	GG	INTERGENIC		
SNP_16366B_19649039	Ca_Kabuli_Chr04	NC_021163.1	19649039	GG	AA	AA	INTERGENIC		
SNP_16368B_19783870	Ca_Kabuli_Chr04	NC_021163.1	19783870	AA	GG	GG	SYNONYMOUS_CODING	101497737	aspartic proteinase-like protein 2
SNP_16369B_19783925	Ca_Kabuli_Chr04	NC_021163.1	19783925	AA	GG	GG	NON_SYNONYMOUS_CODING	101497737	aspartic proteinase-like protein 2
SNP_16370B_19784143	Ca_Kabuli_Chr04	NC_021163.1	19784143	GG	TT	TT	INTRON	101497737	aspartic proteinase-like protein 2
SNP_16372B_19789350	Ca_Kabuli_Chr04	NC_021163.1	19789350	CC	TT	TT	INTERGENIC		
SNP_16375B_19960546	Ca_Kabuli_Chr04	NC_021163.1	19960546	GG	AA	AA	INTERGENIC		
SNP_16376B_19968833	Ca_Kabuli_Chr04	NC_021163.1	19968833	AA	CC	CC	INTERGENIC		
SNP_16377B_19968887	Ca_Kabuli_Chr04	NC_021163.1	19968887	AA	CC	CC	INTERGENIC		
SNP_16378B_19968897	Ca_Kabuli_Chr04	NC_021163.1	19968897	GG	AA	AA	INTERGENIC		
SNP_16379B_19968923	Ca_Kabuli_Chr04	NC_021163.1	19968923	CC	TT	TT	INTERGENIC		
SNP_16381B_20075633	Ca_Kabuli_Chr04	NC_021163.1	20075633	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_16382B_20097143	Ca_Kabuli_Chr04	NC_021163.1	20097143	AA	GG	GG	INTERGENIC		
SNP_16383B_20097455	Ca_Kabuli_Chr04	NC_021163.1	20097455	AA	GG	GG	INTERGENIC		
SNP_16384B_20110471	Ca_Kabuli_Chr04	NC_021163.1	20110471	AA	CC	CC	INTERGENIC		
SNP_16385B_20110860	Ca_Kabuli_Chr04	NC_021163.1	20110860	AA	GG	GG	INTERGENIC		
SNP_16386B_20110882	Ca_Kabuli_Chr04	NC_021163.1	20110882	TT	GG	GG	INTERGENIC		
SNP_16387B_20131214	Ca_Kabuli_Chr04	NC_021163.1	20131214	TT	CC	CC	INTERGENIC		
SNP_16389B_20145788	Ca_Kabuli_Chr04	NC_021163.1	20145788	TT	CC	CC	INTERGENIC		
SNP_16390B_20147541	Ca_Kabuli_Chr04	NC_021163.1	20147541	AA	GG	GG	INTERGENIC		
SNP_16391B_20212198	Ca_Kabuli_Chr04	NC_021163.1	20212198	GG	AA	AA	INTERGENIC		
SNP_16392B_20213398	Ca_Kabuli_Chr04	NC_021163.1	20213398	AA	GG	GG	INTERGENIC		
SNP_16393B_20233667	Ca_Kabuli_Chr04	NC_021163.1	20233667	TT	GG	GG	URR	101507287	uncharacterized LOC101507287
SNP_16394B_20266495	Ca_Kabuli_Chr04	NC_021163.1	20266495	AA	GG	GG	INTERGENIC		
SNP_16395B_20266508	Ca_Kabuli_Chr04	NC_021163.1	20266508	AA	CC	CC	INTERGENIC		
SNP_16396B_20266540	Ca_Kabuli_Chr04	NC_021163.1	20266540	CC	TT	TT	INTERGENIC		
SNP_16397B_20266651	Ca_Kabuli_Chr04	NC_021163.1	20266651	GG	AA	AA	INTERGENIC		
SNP_16398B_20266670	Ca_Kabuli_Chr04	NC_021163.1	20266670	TT	CC	CC	INTERGENIC		
SNP_16399B_20266684	Ca_Kabuli_Chr04	NC_021163.1	20266684	CC	AA	AA	INTERGENIC		
SNP_16400B_20266805	Ca_Kabuli_Chr04	NC_021163.1	20266805	TT	CC	CC	INTERGENIC		
SNP_16401B_20296627	Ca_Kabuli_Chr04	NC_021163.1	20296627	AA	TT	TT	INTERGENIC		
SNP_16402B_20317928	Ca_Kabuli_Chr04	NC_021163.1	20317928	TT	CC	CC	INTERGENIC		
SNP_16403B_20340525	Ca_Kabuli_Chr04	NC_021163.1	20340525	TT	GG	GG	INTRON	101507911	isocitrate dehydrogenase [NAD] catalytic subunit 5, mitochondrial
SNP_16404B_20540455	Ca_Kabuli_Chr04	NC_021163.1	20540455	TT	CC	CC	INTERGENIC		
SNP_16405B_20608810	Ca_Kabuli_Chr04	NC_021163.1	20608810	CC	AA	AA	INTERGENIC		
SNP_16409B_20738499	Ca_Kabuli_Chr04	NC_021163.1	20738499	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_16410B_20738517	Ca_Kabuli_Chr04	NC_021163.1	20738517	TT	GG	GG	INTERGENIC		
SNP_16411B_20738526	Ca_Kabuli_Chr04	NC_021163.1	20738526	GG	AA	AA	INTERGENIC		
SNP_16413B_20798814	Ca_Kabuli_Chr04	NC_021163.1	20798814	GG	TT	TT	INTERGENIC		
SNP_16415B_20798885	Ca_Kabuli_Chr04	NC_021163.1	20798885	AA	TT	TT	INTERGENIC		
SNP_16416B_20819593	Ca_Kabuli_Chr04	NC_021163.1	20819593	GG	CC	CC	INTERGENIC		
SNP_16417B_20819595	Ca_Kabuli_Chr04	NC_021163.1	20819595	GG	AA	AA	INTERGENIC		
SNP_16418B_20819639	Ca_Kabuli_Chr04	NC_021163.1	20819639	TT	GG	GG	INTERGENIC		
SNP_16419B_20819651	Ca_Kabuli_Chr04	NC_021163.1	20819651	TT	AA	AA	INTERGENIC		
SNP_16420B_20819655	Ca_Kabuli_Chr04	NC_021163.1	20819655	AA	GG	GG	INTERGENIC		
SNP_16421B_20819656	Ca_Kabuli_Chr04	NC_021163.1	20819656	GG	AA	AA	INTERGENIC		
SNP_16422B_20819671	Ca_Kabuli_Chr04	NC_021163.1	20819671	GG	AA	AA	INTERGENIC		
SNP_16423B_20819686	Ca_Kabuli_Chr04	NC_021163.1	20819686	AA	GG	GG	INTERGENIC		
SNP_16424B_20819755	Ca_Kabuli_Chr04	NC_021163.1	20819755	TT	CC	CC	INTERGENIC		
SNP_16425B_20819763	Ca_Kabuli_Chr04	NC_021163.1	20819763	AA	GG	GG	INTERGENIC		
SNP_16426B_20819803	Ca_Kabuli_Chr04	NC_021163.1	20819803	AA	CC	CC	INTERGENIC		
SNP_16427B_20819806	Ca_Kabuli_Chr04	NC_021163.1	20819806	CC	TT	TT	INTERGENIC		
SNP_16428B_20819839	Ca_Kabuli_Chr04	NC_021163.1	20819839	AA	CC	CC	INTERGENIC		
SNP_16429B_20819925	Ca_Kabuli_Chr04	NC_021163.1	20819925	AA	GG	GG	INTERGENIC		
SNP_16430B_20830163	Ca_Kabuli_Chr04	NC_021163.1	20830163	TT	AA	AA	INTERGENIC		
SNP_16431B_20830228	Ca_Kabuli_Chr04	NC_021163.1	20830228	GG	TT	TT	INTERGENIC		
SNP_16432B_20830263	Ca_Kabuli_Chr04	NC_021163.1	20830263	TT	CC	CC	INTERGENIC		
SNP_16434B_20997946	Ca_Kabuli_Chr04	NC_021163.1	20997946	CC	AA	AA	INTERGENIC		
SNP_16435B_20997961	Ca_Kabuli_Chr04	NC_021163.1	20997961	CC	GG	GG	INTERGENIC		
SNP_16436B_20997965	Ca_Kabuli_Chr04	NC_021163.1	20997965	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_16437B_20998007	Ca_Kabuli_Chr04	NC_021163.1	20998007	TT	CC	CC	INTERGENIC		
SNP_16438B_21043607	Ca_Kabuli_Chr04	NC_021163.1	21043607	AA	GG	GG	INTERGENIC		
SNP_16439B_21067977	Ca_Kabuli_Chr04	NC_021163.1	21067977	CC	TT	TT	INTERGENIC		
SNP_16440B_21067983	Ca_Kabuli_Chr04	NC_021163.1	21067983	AA	CC	CC	INTERGENIC		
SNP_16444B_21160967	Ca_Kabuli_Chr04	NC_021163.1	21160967	AA	GG	GG	INTRON	101502869	aspartic proteinase-like protein 2
SNP_16445B_21161001	Ca_Kabuli_Chr04	NC_021163.1	21161001	CC	TT	TT	INTRON	101502869	aspartic proteinase-like protein 2
SNP_16446B_21175052	Ca_Kabuli_Chr04	NC_021163.1	21175052	TT	CC	CC	INTRON	101502869	aspartic proteinase-like protein 2
SNP_16448B_21175364	Ca_Kabuli_Chr04	NC_021163.1	21175364	GG	AA	AA	INTRON	101502869	aspartic proteinase-like protein 2
SNP_16449B_21229628	Ca_Kabuli_Chr04	NC_021163.1	21229628	CC	AA	AA	INTERGENIC		
SNP_16450B_21229669	Ca_Kabuli_Chr04	NC_021163.1	21229669	AA	TT	TT	INTERGENIC		
SNP_16451B_21229753	Ca_Kabuli_Chr04	NC_021163.1	21229753	GG	CC	CC	INTERGENIC		
SNP_16452B_21231328	Ca_Kabuli_Chr04	NC_021163.1	21231328	AA	GG	GG	INTERGENIC		
SNP_16453B_21231441	Ca_Kabuli_Chr04	NC_021163.1	21231441	GG	CC	CC	INTERGENIC		
SNP_16454B_21231506	Ca_Kabuli_Chr04	NC_021163.1	21231506	TT	CC	CC	INTERGENIC		
SNP_16455B_21231550	Ca_Kabuli_Chr04	NC_021163.1	21231550	TT	GG	GG	INTERGENIC		
SNP_16456B_21240167	Ca_Kabuli_Chr04	NC_021163.1	21240167	AA	TT	TT	INTRON	101503196	probable 2-oxoglutarate/Fe(II)-dependent dioxygenase
SNP_16457B_21240207	Ca_Kabuli_Chr04	NC_021163.1	21240207	TT	AA	AA	INTRON	101503196	probable 2-oxoglutarate/Fe(II)-dependent dioxygenase
SNP_16458B_21243203	Ca_Kabuli_Chr04	NC_021163.1	21243203	AA	CC	CC	NON_SYNONYMOUS_CODING	101503196	probable 2-oxoglutarate/Fe(II)-dependent dioxygenase
SNP_16459B_21243734	Ca_Kabuli_Chr04	NC_021163.1	21243734	GG	AA	AA	NON_SYNONYMOUS_CODING	101503196	probable 2-oxoglutarate/Fe(II)-dependent dioxygenase
SNP_16460B_21261668	Ca_Kabuli_Chr04	NC_021163.1	21261668	TT	CC	CC	INTERGENIC		
SNP_16462B_21346316	Ca_Kabuli_Chr04	NC_021163.1	21346316	AA	TT	TT	INTERGENIC		
SNP_16463B_21347515	Ca_Kabuli_Chr04	NC_021163.1	21347515	TT	AA	AA	INTERGENIC		
SNP_16464B_21347905	Ca_Kabuli_Chr04	NC_021163.1	21347905	CC	AA	AA	INTERGENIC		
SNP_16465B_21463462	Ca_Kabuli_Chr04	NC_021163.1	21463462	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_16466B_21511779	Ca_Kabuli_Chr04	NC_021163.1	21511779	TT	GG	GG	INTRON	101505441	uncharacterized LOC101505441
SNP_16467B_21528970	Ca_Kabuli_Chr04	NC_021163.1	21528970	CC	AA	AA	INTRON	101505441	uncharacterized LOC101505441
SNP_16468B_21528972	Ca_Kabuli_Chr04	NC_021163.1	21528972	TT	AA	AA	INTRON	101505441	uncharacterized LOC101505441
SNP_16469B_21528973	Ca_Kabuli_Chr04	NC_021163.1	21528973	AA	TT	TT	INTRON	101505441	uncharacterized LOC101505441
SNP_16470B_21529154	Ca_Kabuli_Chr04	NC_021163.1	21529154	CC	TT	TT	INTRON	101505441	uncharacterized LOC101505441
SNP_16472B_21529200	Ca_Kabuli_Chr04	NC_021163.1	21529200	GG	AA	AA	INTRON	101505441	uncharacterized LOC101505441
SNP_16473B_21569919	Ca_Kabuli_Chr04	NC_021163.1	21569919	TT	GG	GG	INTERGENIC		
SNP_16474B_21569945	Ca_Kabuli_Chr04	NC_021163.1	21569945	TT	AA	AA	INTERGENIC		
SNP_16475B_21570243	Ca_Kabuli_Chr04	NC_021163.1	21570243	AA	GG	GG	INTERGENIC		
SNP_16476B_21570311	Ca_Kabuli_Chr04	NC_021163.1	21570311	CC	TT	TT	INTERGENIC		
SNP_16478B_21601812	Ca_Kabuli_Chr04	NC_021163.1	21601812	TT	AA	AA	INTERGENIC		
SNP_16479B_21601824	Ca_Kabuli_Chr04	NC_021163.1	21601824	AA	TT	TT	INTERGENIC		
SNP_16480B_21601835	Ca_Kabuli_Chr04	NC_021163.1	21601835	CC	TT	TT	INTERGENIC		
SNP_16481B_21601868	Ca_Kabuli_Chr04	NC_021163.1	21601868	TT	CC	CC	INTERGENIC		
SNP_16482B_21601908	Ca_Kabuli_Chr04	NC_021163.1	21601908	TT	AA	AA	INTERGENIC		
SNP_16483B_21607300	Ca_Kabuli_Chr04	NC_021163.1	21607300	TT	CC	CC	INTERGENIC		
SNP_16484B_21607368	Ca_Kabuli_Chr04	NC_021163.1	21607368	GG	TT	TT	INTERGENIC		
SNP_16485B_21607768	Ca_Kabuli_Chr04	NC_021163.1	21607768	TT	GG	GG	INTERGENIC		
SNP_16486B_21607788	Ca_Kabuli_Chr04	NC_021163.1	21607788	TT	CC	CC	INTERGENIC		
SNP_16487B_21607903	Ca_Kabuli_Chr04	NC_021163.1	21607903	GG	AA	AA	INTERGENIC		
SNP_16488B_21609261	Ca_Kabuli_Chr04	NC_021163.1	21609261	TT	AA	AA	INTERGENIC		
SNP_16490B_21625751	Ca_Kabuli_Chr04	NC_021163.1	21625751	GG	AA	AA	INTERGENIC		
SNP_16491B_21684038	Ca_Kabuli_Chr04	NC_021163.1	21684038	AA	CC	CC	INTERGENIC		
SNP_16492B_21684093	Ca_Kabuli_Chr04	NC_021163.1	21684093	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_16493B_21690361	Ca_Kabuli_Chr04	NC_021163.1	21690361	CC	TT	TT	INTRON	101508037	aspartic proteinase-like protein 2
SNP_16494B_21690616	Ca_Kabuli_Chr04	NC_021163.1	21690616	CC	AA	AA	INTRON	101508037	aspartic proteinase-like protein 2
SNP_16495B_21690748	Ca_Kabuli_Chr04	NC_021163.1	21690748	AA	GG	GG	INTRON	101508037	aspartic proteinase-like protein 2
SNP_16496B_21691060	Ca_Kabuli_Chr04	NC_021163.1	21691060	CC	TT	TT	INTERGENIC		
SNP_16498B_21731646	Ca_Kabuli_Chr04	NC_021163.1	21731646	TT	CC	CC	INTERGENIC		
SNP_16499B_21804619	Ca_Kabuli_Chr04	NC_021163.1	21804619	GG	AA	AA	INTERGENIC		
SNP_16500B_21804742	Ca_Kabuli_Chr04	NC_021163.1	21804742	AA	GG	GG	INTERGENIC		
SNP_16502B_21804788	Ca_Kabuli_Chr04	NC_021163.1	21804788	TT	GG	GG	INTERGENIC		
SNP_16503B_21804812	Ca_Kabuli_Chr04	NC_021163.1	21804812	AA	GG	GG	INTERGENIC		
SNP_16504B_21804822	Ca_Kabuli_Chr04	NC_021163.1	21804822	GG	AA	AA	INTERGENIC		
SNP_16505B_21848597	Ca_Kabuli_Chr04	NC_021163.1	21848597	TT	CC	CC	INTERGENIC		
SNP_16506B_21849031	Ca_Kabuli_Chr04	NC_021163.1	21849031	AA	GG	GG	INTERGENIC		
SNP_16507B_21849050	Ca_Kabuli_Chr04	NC_021163.1	21849050	AA	CC	CC	INTERGENIC		
SNP_16508B_21849320	Ca_Kabuli_Chr04	NC_021163.1	21849320	TT	CC	CC	INTERGENIC		
SNP_16509B_21856429	Ca_Kabuli_Chr04	NC_021163.1	21856429	TT	CC	CC	INTERGENIC		
SNP_16510B_21865111	Ca_Kabuli_Chr04	NC_021163.1	21865111	CC	AA	AA	INTERGENIC		
SNP_16511B_21928816	Ca_Kabuli_Chr04	NC_021163.1	21928816	GG	AA	AA	INTERGENIC		
SNP_16513B_21958840	Ca_Kabuli_Chr04	NC_021163.1	21958840	AA	TT	TT	INTERGENIC		
SNP_16514B_22052881	Ca_Kabuli_Chr04	NC_021163.1	22052881	GG	AA	AA	INTERGENIC		
SNP_16515B_22071228	Ca_Kabuli_Chr04	NC_021163.1	22071228	CC	AA	AA	INTERGENIC		
SNP_16516B_22134669	Ca_Kabuli_Chr04	NC_021163.1	22134669	AA	TT	TT	URR	101491564	ribosome production factor 2 homolog
SNP_16517B_22134969	Ca_Kabuli_Chr04	NC_021163.1	22134969	GG	CC	CC	URR	101491564	ribosome production factor 2 homolog
SNP_16519B_22135016	Ca_Kabuli_Chr04	NC_021163.1	22135016	TT	GG	GG	INTERGENIC		
SNP_16520B_22135023	Ca_Kabuli_Chr04	NC_021163.1	22135023	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_16521B_22135052	Ca_Kabuli_Chr04	NC_021163.1	22135052	TT	CC	CC	INTERGENIC		
SNP_16522B_22135108	Ca_Kabuli_Chr04	NC_021163.1	22135108	AA	TT	TT	INTERGENIC		
SNP_16523B_22135296	Ca_Kabuli_Chr04	NC_021163.1	22135296	TT	CC	CC	DRR	101513482	ribosome production factor 2 homolog
SNP_16524B_22135299	Ca_Kabuli_Chr04	NC_021163.1	22135299	CC	TT	TT	DRR	101513482	ribosome production factor 2 homolog
SNP_16525B_22135326	Ca_Kabuli_Chr04	NC_021163.1	22135326	CC	AA	AA	DRR	101513482	ribosome production factor 2 homolog
SNP_16526B_22135439	Ca_Kabuli_Chr04	NC_021163.1	22135439	AA	GG	GG	DRR	101513482	ribosome production factor 2 homolog
SNP_16527B_22135451	Ca_Kabuli_Chr04	NC_021163.1	22135451	CC	TT	TT	DRR	101513482	ribosome production factor 2 homolog
SNP_16528B_22135485	Ca_Kabuli_Chr04	NC_021163.1	22135485	GG	CC	CC	DRR	101513482	ribosome production factor 2 homolog
SNP_16529B_22135519	Ca_Kabuli_Chr04	NC_021163.1	22135519	GG	AA	AA	DRR	101513482	ribosome production factor 2 homolog
SNP_16530B_22135523	Ca_Kabuli_Chr04	NC_021163.1	22135523	AA	TT	TT	DRR	101513482	ribosome production factor 2 homolog
SNP_16531B_22135542	Ca_Kabuli_Chr04	NC_021163.1	22135542	AA	CC	CC	DRR	101513482	ribosome production factor 2 homolog
SNP_16532B_22135556	Ca_Kabuli_Chr04	NC_021163.1	22135556	TT	CC	CC	DRR	101513482	ribosome production factor 2 homolog
SNP_16533B_22135622	Ca_Kabuli_Chr04	NC_021163.1	22135622	TT	AA	AA	DRR	101513482	ribosome production factor 2 homolog
SNP_16534B_22135690	Ca_Kabuli_Chr04	NC_021163.1	22135690	AA	GG	GG	DRR	101513482	ribosome production factor 2 homolog
SNP_16535B_22135714	Ca_Kabuli_Chr04	NC_021163.1	22135714	GG	AA	AA	DRR	101513482	ribosome production factor 2 homolog
SNP_16536B_22135718	Ca_Kabuli_Chr04	NC_021163.1	22135718	GG	TT	TT	DRR	101513482	ribosome production factor 2 homolog
SNP_16537B_22135724	Ca_Kabuli_Chr04	NC_021163.1	22135724	CC	AA	AA	DRR	101513482	ribosome production factor 2 homolog
SNP_16538B_22135737	Ca_Kabuli_Chr04	NC_021163.1	22135737	GG	TT	TT	DRR	101513482	ribosome production factor 2 homolog
SNP_16539B_22135774	Ca_Kabuli_Chr04	NC_021163.1	22135774	GG	AA	AA	DRR	101513482	ribosome production factor 2 homolog
SNP_16540B_22135787	Ca_Kabuli_Chr04	NC_021163.1	22135787	GG	AA	AA	DRR	101513482	ribosome production factor 2 homolog
SNP_16541B_22135788	Ca_Kabuli_Chr04	NC_021163.1	22135788	TT	CC	CC	DRR	101513482	ribosome production factor 2 homolog
SNP_16542B_22135818	Ca_Kabuli_Chr04	NC_021163.1	22135818	CC	TT	TT	DRR	101513482	ribosome production factor 2 homolog
SNP_16543B_22135886	Ca_Kabuli_Chr04	NC_021163.1	22135886	AA	CC	CC	DRR	101513482	ribosome production factor 2 homolog
SNP_16544B_22135901	Ca_Kabuli_Chr04	NC_021163.1	22135901	TT	CC	CC	DRR	101513482	ribosome production factor 2 homolog

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_16545B_22135922	Ca_Kabuli_Chr04	NC_021163.1	22135922	CC	AA	AA	DRR	101513482	ribosome production factor 2 homolog
SNP_16546B_22135932	Ca_Kabuli_Chr04	NC_021163.1	22135932	GG	CC	CC	DRR	101513482	ribosome production factor 2 homolog
SNP_16547B_22135973	Ca_Kabuli_Chr04	NC_021163.1	22135973	AA	TT	TT	DRR	101513482	ribosome production factor 2 homolog
SNP_16548B_22135999	Ca_Kabuli_Chr04	NC_021163.1	22135999	AA	GG	GG	DRR	101513482	ribosome production factor 2 homolog
SNP_16549B_22136020	Ca_Kabuli_Chr04	NC_021163.1	22136020	GG	AA	AA	DRR	101513482	ribosome production factor 2 homolog
SNP_16550B_22136088	Ca_Kabuli_Chr04	NC_021163.1	22136088	GG	TT	TT	DRR	101513482	ribosome production factor 2 homolog
SNP_16551B_22136281	Ca_Kabuli_Chr04	NC_021163.1	22136281	AA	GG	GG	INTRON	101513482	ribosome production factor 2 homolog
SNP_16552B_22136283	Ca_Kabuli_Chr04	NC_021163.1	22136283	TT	CC	CC	INTRON	101513482	ribosome production factor 2 homolog
SNP_16553B_22136289	Ca_Kabuli_Chr04	NC_021163.1	22136289	AA	CC	CC	INTRON	101513482	ribosome production factor 2 homolog
SNP_16554B_22136525	Ca_Kabuli_Chr04	NC_021163.1	22136525	TT	CC	CC	INTRON	101513482	ribosome production factor 2 homolog
SNP_16555B_22137399	Ca_Kabuli_Chr04	NC_021163.1	22137399	AA	GG	GG	INTRON	101513482	ribosome production factor 2 homolog
SNP_16556B_22139323	Ca_Kabuli_Chr04	NC_021163.1	22139323	AA	GG	GG	INTRON	101513482	ribosome production factor 2 homolog
SNP_16557B_22206101	Ca_Kabuli_Chr04	NC_021163.1	22206101	TT	AA	AA	INTERGENIC		
SNP_16558B_22206105	Ca_Kabuli_Chr04	NC_021163.1	22206105	GG	AA	AA	INTERGENIC		
SNP_16559B_22255791	Ca_Kabuli_Chr04	NC_021163.1	22255791	TT	GG	GG	INTERGENIC		
SNP_16560B_22369526	Ca_Kabuli_Chr04	NC_021163.1	22369526	AA	GG	GG	INTERGENIC		
SNP_16561B_22412124	Ca_Kabuli_Chr04	NC_021163.1	22412124	AA	GG	GG	INTERGENIC		
SNP_16562B_22412201	Ca_Kabuli_Chr04	NC_021163.1	22412201	TT	CC	CC	INTERGENIC		
SNP_16563B_22412216	Ca_Kabuli_Chr04	NC_021163.1	22412216	AA	GG	GG	INTERGENIC		
SNP_16564B_22412220	Ca_Kabuli_Chr04	NC_021163.1	22412220	TT	CC	CC	INTERGENIC		
SNP_16566B_22444004	Ca_Kabuli_Chr04	NC_021163.1	22444004	CC	TT	TT	INTERGENIC		
SNP_16567B_22444241	Ca_Kabuli_Chr04	NC_021163.1	22444241	GG	AA	AA	INTERGENIC		
SNP_16568B_22444694	Ca_Kabuli_Chr04	NC_021163.1	22444694	CC	TT	TT	INTERGENIC		
SNP_16569B_22472751	Ca_Kabuli_Chr04	NC_021163.1	22472751	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_16570B_22476833	Ca_Kabuli_Chr04	NC_021163.1	22476833	GG	AA	AA	INTERGENIC		
SNP_16571B_22483695	Ca_Kabuli_Chr04	NC_021163.1	22483695	CC	TT	TT	INTERGENIC		
SNP_16572B_22483854	Ca_Kabuli_Chr04	NC_021163.1	22483854	AA	GG	GG	INTERGENIC		
SNP_16573B_22483941	Ca_Kabuli_Chr04	NC_021163.1	22483941	TT	CC	CC	INTERGENIC		
SNP_16574B_22484236	Ca_Kabuli_Chr04	NC_021163.1	22484236	TT	GG	GG	INTERGENIC		
SNP_16575B_22521172	Ca_Kabuli_Chr04	NC_021163.1	22521172	GG	TT	TT	INTERGENIC		
SNP_16577B_22570384	Ca_Kabuli_Chr04	NC_021163.1	22570384	TT	CC	CC	INTERGENIC		
SNP_16578B_22570443	Ca_Kabuli_Chr04	NC_021163.1	22570443	TT	CC	CC	INTERGENIC		
SNP_16579B_22570496	Ca_Kabuli_Chr04	NC_021163.1	22570496	AA	GG	GG	INTERGENIC		
SNP_16580B_22570989	Ca_Kabuli_Chr04	NC_021163.1	22570989	AA	GG	GG	INTERGENIC		
SNP_16581B_22601338	Ca_Kabuli_Chr04	NC_021163.1	22601338	TT	AA	AA	INTERGENIC		
SNP_16582B_22601350	Ca_Kabuli_Chr04	NC_021163.1	22601350	AA	TT	TT	INTERGENIC		
SNP_16583B_22601657	Ca_Kabuli_Chr04	NC_021163.1	22601657	TT	GG	GG	INTERGENIC		
SNP_16584B_22618011	Ca_Kabuli_Chr04	NC_021163.1	22618011	TT	GG	GG	INTERGENIC		
SNP_16585B_22618309	Ca_Kabuli_Chr04	NC_021163.1	22618309	TT	CC	CC	INTERGENIC		
SNP_16587B_22660408	Ca_Kabuli_Chr04	NC_021163.1	22660408	CC	GG	GG	INTERGENIC		
SNP_16588B_22664610	Ca_Kabuli_Chr04	NC_021163.1	22664610	TT	AA	AA	INTERGENIC		
SNP_16589B_22664611	Ca_Kabuli_Chr04	NC_021163.1	22664611	AA	TT	TT	INTERGENIC		
SNP_16590B_22664612	Ca_Kabuli_Chr04	NC_021163.1	22664612	AA	GG	GG	INTERGENIC		
SNP_16591B_22671682	Ca_Kabuli_Chr04	NC_021163.1	22671682	AA	GG	GG	INTERGENIC		
SNP_16592B_22671730	Ca_Kabuli_Chr04	NC_021163.1	22671730	AA	GG	GG	INTERGENIC		
SNP_16593B_22672623	Ca_Kabuli_Chr04	NC_021163.1	22672623	GG	CC	CC	INTERGENIC		
SNP_16594B_22676018	Ca_Kabuli_Chr04	NC_021163.1	22676018	TT	AA	AA	INTERGENIC		
SNP_16595B_22676874	Ca_Kabuli_Chr04	NC_021163.1	22676874	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_16596B_22696689	Ca_Kabuli_Chr04	NC_021163.1	22696689	CC	TT	TT	INTERGENIC		
SNP_16597B_22696690	Ca_Kabuli_Chr04	NC_021163.1	22696690	TT	GG	GG	INTERGENIC		
SNP_16598B_22699771	Ca_Kabuli_Chr04	NC_021163.1	22699771	TT	CC	CC	INTERGENIC		
SNP_16599B_22700678	Ca_Kabuli_Chr04	NC_021163.1	22700678	AA	GG	GG	INTERGENIC		
SNP_16600B_22700686	Ca_Kabuli_Chr04	NC_021163.1	22700686	TT	AA	AA	INTERGENIC		
SNP_16601B_22700692	Ca_Kabuli_Chr04	NC_021163.1	22700692	TT	AA	AA	INTERGENIC		
SNP_16602B_22704323	Ca_Kabuli_Chr04	NC_021163.1	22704323	TT	CC	CC	INTERGENIC		
SNP_16603B_22707882	Ca_Kabuli_Chr04	NC_021163.1	22707882	GG	AA	AA	INTERGENIC		
SNP_16604B_22718633	Ca_Kabuli_Chr04	NC_021163.1	22718633	CC	TT	TT	INTERGENIC		
SNP_16605B_22719162	Ca_Kabuli_Chr04	NC_021163.1	22719162	TT	CC	CC	INTERGENIC		
SNP_16607B_22728309	Ca_Kabuli_Chr04	NC_021163.1	22728309	AA	GG	GG	INTERGENIC		
SNP_16610B_22735687	Ca_Kabuli_Chr04	NC_021163.1	22735687	GG	AA	AA	URR	101494161	calcium-dependent protein kinase 20
SNP_16611B_22735691	Ca_Kabuli_Chr04	NC_021163.1	22735691	AA	GG	GG	URR	101494161	calcium-dependent protein kinase 20
SNP_16612B_22738680	Ca_Kabuli_Chr04	NC_021163.1	22738680	TT	CC	CC	INTERGENIC		
SNP_16613B_22744975	Ca_Kabuli_Chr04	NC_021163.1	22744975	TT	AA	AA	INTERGENIC		
SNP_16614B_22745173	Ca_Kabuli_Chr04	NC_021163.1	22745173	CC	TT	TT	INTERGENIC		
SNP_16615B_22745525	Ca_Kabuli_Chr04	NC_021163.1	22745525	GG	AA	AA	INTERGENIC		
SNP_16616B_22745534	Ca_Kabuli_Chr04	NC_021163.1	22745534	GG	AA	AA	INTERGENIC		
SNP_16617B_22750324	Ca_Kabuli_Chr04	NC_021163.1	22750324	AA	TT	TT	INTERGENIC		
SNP_16618B_22753354	Ca_Kabuli_Chr04	NC_021163.1	22753354	AA	GG	GG	INTERGENIC		
SNP_16619B_22753429	Ca_Kabuli_Chr04	NC_021163.1	22753429	CC	GG	GG	INTERGENIC		
SNP_16620B_22762999	Ca_Kabuli_Chr04	NC_021163.1	22762999	AA	CC	CC	INTERGENIC		
SNP_16621B_22763037	Ca_Kabuli_Chr04	NC_021163.1	22763037	TT	AA	AA	INTERGENIC		
SNP_16622B_22763038	Ca_Kabuli_Chr04	NC_021163.1	22763038	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_16623B_22763040	Ca_Kabuli_Chr04	NC_021163.1	22763040	AA	GG	GG	INTERGENIC		
SNP_16624B_22766161	Ca_Kabuli_Chr04	NC_021163.1	22766161	GG	AA	AA	INTERGENIC		
SNP_16625B_22767975	Ca_Kabuli_Chr04	NC_021163.1	22767975	TT	CC	CC	INTERGENIC		
SNP_16627B_22775092	Ca_Kabuli_Chr04	NC_021163.1	22775092	AA	TT	TT	INTERGENIC		
SNP_16629B_22783222	Ca_Kabuli_Chr04	NC_021163.1	22783222	CC	TT	TT	INTERGENIC		
SNP_16630B_22783476	Ca_Kabuli_Chr04	NC_021163.1	22783476	TT	CC	CC	INTERGENIC		
SNP_16631B_22788785	Ca_Kabuli_Chr04	NC_021163.1	22788785	CC	TT	TT	INTERGENIC		
SNP_16632B_22788802	Ca_Kabuli_Chr04	NC_021163.1	22788802	CC	TT	TT	INTERGENIC		
SNP_16634B_22793065	Ca_Kabuli_Chr04	NC_021163.1	22793065	CC	TT	TT	INTRON	101494791	ABC transporter G family member 22-like
SNP_16635B_22798763	Ca_Kabuli_Chr04	NC_021163.1	22798763	TT	CC	CC	INTRON	101494791	ABC transporter G family member 22-like
SNP_16636B_22805064	Ca_Kabuli_Chr04	NC_021163.1	22805064	TT	CC	CC	INTERGENIC		
SNP_16637B_22806873	Ca_Kabuli_Chr04	NC_021163.1	22806873	GG	AA	AA	INTERGENIC		
SNP_16639B_22808692	Ca_Kabuli_Chr04	NC_021163.1	22808692	AA	TT	TT	DRR	101494469	prolycopene isomerase, chloroplastic
SNP_16640B_22816772	Ca_Kabuli_Chr04	NC_021163.1	22816772	TT	AA	AA	URR	101494469	prolycopene isomerase, chloroplastic
SNP_16641B_22816783	Ca_Kabuli_Chr04	NC_021163.1	22816783	TT	AA	AA	URR	101494469	prolycopene isomerase, chloroplastic
SNP_16642B_22818105	Ca_Kabuli_Chr04	NC_021163.1	22818105	GG	AA	AA	INTERGENIC		
SNP_16643B_22818111	Ca_Kabuli_Chr04	NC_021163.1	22818111	TT	AA	AA	INTERGENIC		
SNP_16644B_22818158	Ca_Kabuli_Chr04	NC_021163.1	22818158	CC	TT	TT	INTERGENIC		
SNP_16645B_22818180	Ca_Kabuli_Chr04	NC_021163.1	22818180	GG	AA	AA	INTERGENIC		
SNP_16646B_22818183	Ca_Kabuli_Chr04	NC_021163.1	22818183	TT	CC	CC	INTERGENIC		
SNP_16647B_22818390	Ca_Kabuli_Chr04	NC_021163.1	22818390	TT	GG	GG	INTERGENIC		
SNP_16649B_22818540	Ca_Kabuli_Chr04	NC_021163.1	22818540	AA	CC	CC	INTERGENIC		
SNP_16650B_22818616	Ca_Kabuli_Chr04	NC_021163.1	22818616	TT	CC	CC	INTERGENIC		
SNP_16651B_22818638	Ca_Kabuli_Chr04	NC_021163.1	22818638	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_16652B_22818647	Ca_Kabuli_Chr04	NC_021163.1	22818647	TT	CC	CC	INTERGENIC		
SNP_16653B_22818908	Ca_Kabuli_Chr04	NC_021163.1	22818908	AA	GG	GG	INTERGENIC		
SNP_16655B_22825343	Ca_Kabuli_Chr04	NC_021163.1	22825343	GG	AA	AA	DRR	101495120	sucrose-phosphatase 1-like
SNP_16656B_22825359	Ca_Kabuli_Chr04	NC_021163.1	22825359	TT	CC	CC	DRR	101495120	sucrose-phosphatase 1-like
SNP_16657B_22825372	Ca_Kabuli_Chr04	NC_021163.1	22825372	TT	CC	CC	DRR	101495120	sucrose-phosphatase 1-like
SNP_16658B_22833560	Ca_Kabuli_Chr04	NC_021163.1	22833560	GG	AA	AA	URR	101410594	transfer RNA cysteine (anticodon GCA)
SNP_16660B_22867170	Ca_Kabuli_Chr04	NC_021163.1	22867170	TT	AA	AA	INTERGENIC		
SNP_16661B_22867182	Ca_Kabuli_Chr04	NC_021163.1	22867182	TT	CC	CC	INTERGENIC		
SNP_16662B_22867205	Ca_Kabuli_Chr04	NC_021163.1	22867205	AA	GG	GG	INTERGENIC		
SNP_16664B_22876509	Ca_Kabuli_Chr04	NC_021163.1	22876509	CC	TT	TT	INTERGENIC		
SNP_16665B_22880280	Ca_Kabuli_Chr04	NC_021163.1	22880280	TT	AA	AA	INTERGENIC		
SNP_16666B_22880546	Ca_Kabuli_Chr04	NC_021163.1	22880546	AA	GG	GG	INTERGENIC		
SNP_16668B_22889586	Ca_Kabuli_Chr04	NC_021163.1	22889586	CC	GG	GG	INTERGENIC		
SNP_16669B_22890107	Ca_Kabuli_Chr04	NC_021163.1	22890107	AA	GG	GG	INTERGENIC		
SNP_16670B_22890628	Ca_Kabuli_Chr04	NC_021163.1	22890628	AA	GG	GG	INTERGENIC		
SNP_16671B_22894725	Ca_Kabuli_Chr04	NC_021163.1	22894725	AA	GG	GG	INTERGENIC		
SNP_16672B_22898054	Ca_Kabuli_Chr04	NC_021163.1	22898054	CC	TT	TT	INTERGENIC		
SNP_16673B_22902256	Ca_Kabuli_Chr04	NC_021163.1	22902256	TT	AA	AA	INTERGENIC		
SNP_16674B_22917729	Ca_Kabuli_Chr04	NC_021163.1	22917729	TT	CC	CC	INTERGENIC		
SNP_16675B_22930475	Ca_Kabuli_Chr04	NC_021163.1	22930475	GG	AA	AA	INTRON	101497069	iron-sulfur cluster co-chaperone protein HscB, mitochondrial
SNP_16676B_22932932	Ca_Kabuli_Chr04	NC_021163.1	22932932	CC	TT	TT	INTRON	101497069	iron-sulfur cluster co-chaperone protein HscB, mitochondrial
SNP_16677B_22934538	Ca_Kabuli_Chr04	NC_021163.1	22934538	TT	AA	AA	URR	101497069	iron-sulfur cluster co-chaperone protein HscB, mitochondrial
SNP_16678B_22934732	Ca_Kabuli_Chr04	NC_021163.1	22934732	CC	AA	AA	URR	101497069	iron-sulfur cluster co-chaperone protein HscB, mitochondrial
SNP_16679B_22937663	Ca_Kabuli_Chr04	NC_021163.1	22937663	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_16680B_22938331	Ca_Kabuli_Chr04	NC_021163.1	22938331	AA	GG	GG	INTERGENIC		
SNP_16681B_22938359	Ca_Kabuli_Chr04	NC_021163.1	22938359	TT	CC	CC	INTERGENIC		
SNP_16682B_22939719	Ca_Kabuli_Chr04	NC_021163.1	22939719	AA	GG	GG	INTERGENIC		
SNP_16683B_22949122	Ca_Kabuli_Chr04	NC_021163.1	22944912	CC	TT	TT	INTERGENIC		
SNP_16684B_22946209	Ca_Kabuli_Chr04	NC_021163.1	22946209	GG	AA	AA	INTERGENIC		
SNP_16685B_22946218	Ca_Kabuli_Chr04	NC_021163.1	22946218	AA	CC	CC	INTERGENIC		
SNP_16686B_22947094	Ca_Kabuli_Chr04	NC_021163.1	22947094	AA	GG	GG	DRR	101497525	uncharacterized LOC101497525
SNP_16687B_22948298	Ca_Kabuli_Chr04	NC_021163.1	22948298	CC	TT	TT	INTRON	101497525	uncharacterized LOC101497525
SNP_16688B_22951273	Ca_Kabuli_Chr04	NC_021163.1	22951273	GG	AA	AA	INTRON	101497525	uncharacterized LOC101497525
SNP_16689B_22951564	Ca_Kabuli_Chr04	NC_021163.1	22951564	TT	CC	CC	INTRON	101497525	uncharacterized LOC101497525
SNP_16690B_22957628	Ca_Kabuli_Chr04	NC_021163.1	22957628	TT	CC	CC	INTERGENIC		
SNP_16691B_22957661	Ca_Kabuli_Chr04	NC_021163.1	22957661	TT	CC	CC	INTERGENIC		
SNP_16692B_22966959	Ca_Kabuli_Chr04	NC_021163.1	22966959	CC	TT	TT	DRR	101498269	uncharacterized LOC101498269
SNP_16693B_22970515	Ca_Kabuli_Chr04	NC_021163.1	22970515	TT	CC	CC	SYNONYMOUS_CODING	101498269	uncharacterized LOC101498269
SNP_16694B_22970599	Ca_Kabuli_Chr04	NC_021163.1	22970599	TT	CC	CC	SYNONYMOUS_CODING	101498269	uncharacterized LOC101498269
SNP_16695B_22981332	Ca_Kabuli_Chr04	NC_021163.1	22981332	GG	AA	AA	INTERGENIC		
SNP_16696B_22988122	Ca_Kabuli_Chr04	NC_021163.1	22988122	GG	AA	AA	INTERGENIC		
SNP_16697B_22988147	Ca_Kabuli_Chr04	NC_021163.1	22988147	GG	AA	AA	INTERGENIC		
SNP_16698B_22988796	Ca_Kabuli_Chr04	NC_021163.1	22988796	CC	TT	TT	INTERGENIC		
SNP_16699B_22989530	Ca_Kabuli_Chr04	NC_021163.1	22989530	TT	CC	CC	INTERGENIC		
SNP_16700B_23002392	Ca_Kabuli_Chr04	NC_021163.1	23002392	TT	CC	CC	INTERGENIC		
SNP_16701B_23002428	Ca_Kabuli_Chr04	NC_021163.1	23002428	CC	GG	GG	INTERGENIC		
SNP_16702B_23002465	Ca_Kabuli_Chr04	NC_021163.1	23002465	GG	AA	AA	INTERGENIC		
SNP_16703B_23002472	Ca_Kabuli_Chr04	NC_021163.1	23002472	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_16705B_23002527	Ca_Kabuli_Chr04	NC_021163.1	23002527	CC	TT	TT	INTERGENIC		
SNP_16707B_23002791	Ca_Kabuli_Chr04	NC_021163.1	23002791	TT	AA	AA	INTERGENIC		
SNP_16708B_23002880	Ca_Kabuli_Chr04	NC_021163.1	23002880	CC	TT	TT	INTERGENIC		
SNP_16710B_23018231	Ca_Kabuli_Chr04	NC_021163.1	23018231	CC	TT	TT	INTERGENIC		
SNP_16711B_23030623	Ca_Kabuli_Chr04	NC_021163.1	23030623	AA	GG	GG	INTERGENIC		
SNP_16712B_23033811	Ca_Kabuli_Chr04	NC_021163.1	23033811	CC	TT	TT	INTERGENIC		
SNP_16713B_23036564	Ca_Kabuli_Chr04	NC_021163.1	23036564	TT	GG	GG	INTERGENIC		
SNP_16714B_23036790	Ca_Kabuli_Chr04	NC_021163.1	23036790	CC	TT	TT	INTERGENIC		
SNP_16715B_23036811	Ca_Kabuli_Chr04	NC_021163.1	23036811	GG	AA	AA	INTERGENIC		
SNP_16716B_23037150	Ca_Kabuli_Chr04	NC_021163.1	23037150	GG	AA	AA	INTERGENIC		
SNP_16717B_23037157	Ca_Kabuli_Chr04	NC_021163.1	23037157	GG	AA	AA	INTERGENIC		
SNP_16718B_23037783	Ca_Kabuli_Chr04	NC_021163.1	23037783	CC	GG	GG	INTERGENIC		
SNP_16719B_23038786	Ca_Kabuli_Chr04	NC_021163.1	23038786	AA	GG	GG	INTERGENIC		
SNP_16720B_23039155	Ca_Kabuli_Chr04	NC_021163.1	23039155	CC	GG	GG	INTERGENIC		
SNP_16721B_23039157	Ca_Kabuli_Chr04	NC_021163.1	23039157	AA	GG	GG	INTERGENIC		
SNP_16722B_23039165	Ca_Kabuli_Chr04	NC_021163.1	23039165	GG	TT	TT	INTERGENIC		
SNP_16723B_23039169	Ca_Kabuli_Chr04	NC_021163.1	23039169	AA	GG	GG	INTERGENIC		
SNP_16724B_23043800	Ca_Kabuli_Chr04	NC_021163.1	23043800	CC	AA	AA	INTERGENIC		
SNP_16725B_23043824	Ca_Kabuli_Chr04	NC_021163.1	23043824	TT	CC	CC	INTERGENIC		
SNP_16726B_23043826	Ca_Kabuli_Chr04	NC_021163.1	23043826	AA	GG	GG	INTERGENIC		
SNP_16727B_23046235	Ca_Kabuli_Chr04	NC_021163.1	23046235	AA	GG	GG	INTERGENIC		
SNP_16728B_23054669	Ca_Kabuli_Chr04	NC_021163.1	23054669	GG	TT	TT	INTERGENIC		
SNP_16729B_23054682	Ca_Kabuli_Chr04	NC_021163.1	23054682	TT	CC	CC	URR	101499059	uncharacterized LOC101499059
SNP_16730B_23058548	Ca_Kabuli_Chr04	NC_021163.1	23058548	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_16731B_23058585	Ca_Kabuli_Chr04	NC_021163.1	23058585	GG	AA	AA	INTERGENIC		
SNP_16732B_23067247	Ca_Kabuli_Chr04	NC_021163.1	23067247	GG	TT	TT	INTRON	101499372	putative phosphatidylglycerol/phosphatidylinositol transfer protein DDB_G0282179
SNP_16733B_23076070	Ca_Kabuli_Chr04	NC_021163.1	23076070	CC	TT	TT	DRR	101499680	RING-H2 finger protein ATL70-like
SNP_16735B_23078747	Ca_Kabuli_Chr04	NC_021163.1	23078747	GG	CC	CC	URR	101499680	RING-H2 finger protein ATL70-like
SNP_16736B_23078751	Ca_Kabuli_Chr04	NC_021163.1	23078751	CC	AA	AA	URR	101499680	RING-H2 finger protein ATL70-like
SNP_16737B_23099103	Ca_Kabuli_Chr04	NC_021163.1	23099103	CC	TT	TT	INTERGENIC		
SNP_16738B_23099843	Ca_Kabuli_Chr04	NC_021163.1	23099843	AA	GG	GG	INTERGENIC		
SNP_16739B_23099844	Ca_Kabuli_Chr04	NC_021163.1	23099844	TT	CC	CC	INTERGENIC		
SNP_16740B_23099870	Ca_Kabuli_Chr04	NC_021163.1	23099870	TT	CC	CC	INTERGENIC		
SNP_16741B_23118829	Ca_Kabuli_Chr04	NC_021163.1	23118829	TT	CC	CC	INTERGENIC		
SNP_16742B_23118880	Ca_Kabuli_Chr04	NC_021163.1	23118880	CC	TT	TT	INTERGENIC		
SNP_16743B_23118885	Ca_Kabuli_Chr04	NC_021163.1	23118885	GG	TT	TT	INTERGENIC		
SNP_16744B_23118895	Ca_Kabuli_Chr04	NC_021163.1	23118895	CC	TT	TT	INTERGENIC		
SNP_16745B_23120511	Ca_Kabuli_Chr04	NC_021163.1	23120511	CC	TT	TT	INTERGENIC		
SNP_16746B_23120568	Ca_Kabuli_Chr04	NC_021163.1	23120568	CC	TT	TT	INTERGENIC		
SNP_16747B_23134526	Ca_Kabuli_Chr04	NC_021163.1	23134526	GG	AA	AA	INTERGENIC		
SNP_16748B_23137556	Ca_Kabuli_Chr04	NC_021163.1	23137556	GG	AA	AA	INTERGENIC		
SNP_16749B_23137780	Ca_Kabuli_Chr04	NC_021163.1	23137780	TT	CC	CC	INTERGENIC		
SNP_16753B_23310260	Ca_Kabuli_Chr04	NC_021163.1	23310260	AA	TT	TT	INTRON	101502344	UPF0505 protein C16orf62 homolog
SNP_16754B_23310297	Ca_Kabuli_Chr04	NC_021163.1	23310297	CC	AA	AA	INTRON	101502344	UPF0505 protein C16orf62 homolog
SNP_16755B_23421217	Ca_Kabuli_Chr04	NC_021163.1	23421217	TT	GG	GG	INTERGENIC		
SNP_16756B_23421703	Ca_Kabuli_Chr04	NC_021163.1	23421703	GG	AA	AA	INTERGENIC		
SNP_16757B_23421711	Ca_Kabuli_Chr04	NC_021163.1	23421711	CC	AA	AA	INTERGENIC		
SNP_16758B_23421798	Ca_Kabuli_Chr04	NC_021163.1	23421798	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_16759B_23421800	Ca_Kabuli_Chr04	NC_021163.1	23421800	AA	GG	GG	INTERGENIC		
SNP_16760B_23421865	Ca_Kabuli_Chr04	NC_021163.1	23421865	TT	CC	CC	INTERGENIC		
SNP_16761B_23508620	Ca_Kabuli_Chr04	NC_021163.1	23508620	TT	CC	CC	INTERGENIC		
SNP_16762B_23508654	Ca_Kabuli_Chr04	NC_021163.1	23508654	TT	CC	CC	INTERGENIC		
SNP_16763B_23508740	Ca_Kabuli_Chr04	NC_021163.1	23508740	TT	CC	CC	INTERGENIC		
SNP_16764B_23508757	Ca_Kabuli_Chr04	NC_021163.1	23508757	CC	TT	TT	INTERGENIC		
SNP_16765B_23547379	Ca_Kabuli_Chr04	NC_021163.1	23547379	CC	TT	TT	INTERGENIC		
SNP_16766B_23573297	Ca_Kabuli_Chr04	NC_021163.1	23573297	AA	GG	GG	INTERGENIC		
SNP_16767B_23585727	Ca_Kabuli_Chr04	NC_021163.1	23585727	TT	CC	CC	INTERGENIC		
SNP_16768B_23664000	Ca_Kabuli_Chr04	NC_021163.1	23664000	TT	CC	CC	INTERGENIC		
SNP_16769B_23699517	Ca_Kabuli_Chr04	NC_021163.1	23699517	TT	GG	GG	INTERGENIC		
SNP_16770B_23699525	Ca_Kabuli_Chr04	NC_021163.1	23699525	AA	TT	TT	INTERGENIC		
SNP_16771B_23699628	Ca_Kabuli_Chr04	NC_021163.1	23699628	GG	CC	CC	INTERGENIC		
SNP_16772B_23699629	Ca_Kabuli_Chr04	NC_021163.1	23699629	TT	CC	CC	INTERGENIC		
SNP_16773B_23699658	Ca_Kabuli_Chr04	NC_021163.1	23699658	AA	GG	GG	INTERGENIC		
SNP_16774B_23699807	Ca_Kabuli_Chr04	NC_021163.1	23699807	CC	TT	TT	INTERGENIC		
SNP_16775B_23720338	Ca_Kabuli_Chr04	NC_021163.1	23720338	AA	GG	GG	INTERGENIC		
SNP_16776B_23720360	Ca_Kabuli_Chr04	NC_021163.1	23720360	TT	CC	CC	INTERGENIC		
SNP_16777B_23720873	Ca_Kabuli_Chr04	NC_021163.1	23720873	AA	GG	GG	INTERGENIC		
SNP_16779B_23757424	Ca_Kabuli_Chr04	NC_021163.1	23757424	TT	AA	AA	INTERGENIC		
SNP_16780B_23760468	Ca_Kabuli_Chr04	NC_021163.1	23760468	TT	GG	GG	INTERGENIC		
SNP_16781B_23760470	Ca_Kabuli_Chr04	NC_021163.1	23760470	AA	TT	TT	INTERGENIC		
SNP_16782B_23788124	Ca_Kabuli_Chr04	NC_021163.1	23788124	AA	TT	TT	INTERGENIC		
SNP_16783B_23827904	Ca_Kabuli_Chr04	NC_021163.1	23827904	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_16784B_23827913	Ca_Kabuli_Chr04	NC_021163.1	23827913	TT	GG	GG	INTERGENIC		
SNP_16785B_23828033	Ca_Kabuli_Chr04	NC_021163.1	23828033	AA	TT	TT	INTERGENIC		
SNP_16786B_23828135	Ca_Kabuli_Chr04	NC_021163.1	23828135	GG	AA	AA	INTERGENIC		
SNP_16787B_23828187	Ca_Kabuli_Chr04	NC_021163.1	23828187	AA	TT	TT	INTERGENIC		
SNP_16788B_23828193	Ca_Kabuli_Chr04	NC_021163.1	23828193	GG	AA	AA	INTERGENIC		
SNP_16789B_23828307	Ca_Kabuli_Chr04	NC_021163.1	23828307	CC	TT	TT	INTERGENIC		
SNP_16790B_23828330	Ca_Kabuli_Chr04	NC_021163.1	23828330	CC	TT	TT	INTERGENIC		
SNP_16791B_24021662	Ca_Kabuli_Chr04	NC_021163.1	24021662	GG	TT	TT	INTERGENIC		
SNP_16792B_24034321	Ca_Kabuli_Chr04	NC_021163.1	24034321	CC	TT	TT	INTRON	101510592	transcription factor E2FA
SNP_16793B_24063617	Ca_Kabuli_Chr04	NC_021163.1	24063617	TT	CC	CC	INTERGENIC		
SNP_16794B_24160330	Ca_Kabuli_Chr04	NC_021163.1	24160330	AA	GG	GG	INTERGENIC		
SNP_16795B_24215995	Ca_Kabuli_Chr04	NC_021163.1	24215995	AA	TT	TT	URR	101513160	pentatricopeptide repeat-containing protein At2g44880-like
SNP_16796B_24230971	Ca_Kabuli_Chr04	NC_021163.1	24230971	GG	AA	AA	URR	101496209	serine/threonine-protein phosphatase 7 long form homolog
SNP_16797B_24231367	Ca_Kabuli_Chr04	NC_021163.1	24231367	GG	AA	AA	URR	101496209	serine/threonine-protein phosphatase 7 long form homolog
SNP_16798B_24231389	Ca_Kabuli_Chr04	NC_021163.1	24231389	TT	CC	CC	URR	101496209	serine/threonine-protein phosphatase 7 long form homolog
SNP_16799B_24239224	Ca_Kabuli_Chr04	NC_021163.1	24239224	CC	TT	TT	INTERGENIC		
SNP_16800B_24347838	Ca_Kabuli_Chr04	NC_021163.1	24347838	AA	TT	TT	INTERGENIC		
SNP_16801B_24350107	Ca_Kabuli_Chr04	NC_021163.1	24350107	TT	CC	CC	INTERGENIC		
SNP_16802B_24350109	Ca_Kabuli_Chr04	NC_021163.1	24350109	TT	AA	AA	INTERGENIC		
SNP_16803B_24350112	Ca_Kabuli_Chr04	NC_021163.1	24350112	TT	CC	CC	INTERGENIC		
SNP_16804B_24350118	Ca_Kabuli_Chr04	NC_021163.1	24350118	GG	AA	AA	INTERGENIC		
SNP_16805B_24350136	Ca_Kabuli_Chr04	NC_021163.1	24350136	TT	CC	CC	INTERGENIC		
SNP_16806B_24350213	Ca_Kabuli_Chr04	NC_021163.1	24350213	TT	CC	CC	INTERGENIC		
SNP_16807B_24356940	Ca_Kabuli_Chr04	NC_021163.1	24356940	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_16808B_24356954	Ca_Kabuli_Chr04	NC_021163.1	24356954	TT	GG	GG	INTERGENIC		
SNP_16809B_24357039	Ca_Kabuli_Chr04	NC_021163.1	24357039	TT	CC	CC	INTERGENIC		
SNP_16810B_24357057	Ca_Kabuli_Chr04	NC_021163.1	24357057	TT	GG	GG	INTERGENIC		
SNP_16811B_24357070	Ca_Kabuli_Chr04	NC_021163.1	24357070	TT	GG	GG	INTERGENIC		
SNP_16813B_24402943	Ca_Kabuli_Chr04	NC_021163.1	24402943	CC	AA	AA	INTERGENIC		
SNP_16816B_24435997	Ca_Kabuli_Chr04	NC_021163.1	24435997	TT	AA	AA	INTERGENIC		
SNP_16817B_24437737	Ca_Kabuli_Chr04	NC_021163.1	24437737	TT	CC	CC	INTERGENIC		
SNP_16819B_24438228	Ca_Kabuli_Chr04	NC_021163.1	24438228	TT	CC	CC	INTERGENIC		
SNP_16820B_24438231	Ca_Kabuli_Chr04	NC_021163.1	24438231	TT	CC	CC	INTERGENIC		
SNP_16821B_24438244	Ca_Kabuli_Chr04	NC_021163.1	24438244	CC	TT	TT	INTERGENIC		
SNP_16822B_24453336	Ca_Kabuli_Chr04	NC_021163.1	24453336	GG	AA	AA	INTERGENIC		
SNP_16823B_24453377	Ca_Kabuli_Chr04	NC_021163.1	24453377	TT	GG	GG	INTERGENIC		
SNP_16824B_24453397	Ca_Kabuli_Chr04	NC_021163.1	24453397	AA	CC	CC	INTERGENIC		
SNP_16825B_24453419	Ca_Kabuli_Chr04	NC_021163.1	24453419	AA	TT	TT	INTERGENIC		
SNP_16826B_24453421	Ca_Kabuli_Chr04	NC_021163.1	24453421	AA	CC	CC	INTERGENIC		
SNP_16827B_24453422	Ca_Kabuli_Chr04	NC_021163.1	24453422	AA	GG	GG	INTERGENIC		
SNP_16828B_24453433	Ca_Kabuli_Chr04	NC_021163.1	24453433	AA	TT	TT	INTERGENIC		
SNP_16829B_24453739	Ca_Kabuli_Chr04	NC_021163.1	24453739	TT	AA	AA	INTERGENIC		
SNP_16830B_24453750	Ca_Kabuli_Chr04	NC_021163.1	24453750	AA	GG	GG	INTERGENIC		
SNP_16831B_24453752	Ca_Kabuli_Chr04	NC_021163.1	24453752	AA	TT	TT	INTERGENIC		
SNP_16832B_24460918	Ca_Kabuli_Chr04	NC_021163.1	24460918	CC	TT	TT	INTERGENIC		
SNP_16833B_24474342	Ca_Kabuli_Chr04	NC_021163.1	24474342	TT	GG	GG	INTERGENIC		
SNP_16834B_24478431	Ca_Kabuli_Chr04	NC_021163.1	24478431	TT	GG	GG	INTERGENIC		
SNP_16835B_24478812	Ca_Kabuli_Chr04	NC_021163.1	24478812	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_16836B_24478837	Ca_Kabuli_Chr04	NC_021163.1	24478837	TT	CC	CC	INTERGENIC		
SNP_16837B_24478841	Ca_Kabuli_Chr04	NC_021163.1	24478841	AA	CC	CC	INTERGENIC		
SNP_16838B_24478931	Ca_Kabuli_Chr04	NC_021163.1	24478931	GG	CC	CC	INTERGENIC		
SNP_16841B_24479137	Ca_Kabuli_Chr04	NC_021163.1	24479137	CC	TT	TT	INTERGENIC		
SNP_16842B_24479172	Ca_Kabuli_Chr04	NC_021163.1	24479172	CC	TT	TT	INTERGENIC		
SNP_16843B_24479205	Ca_Kabuli_Chr04	NC_021163.1	24479205	GG	AA	AA	INTERGENIC		
SNP_16844B_24479225	Ca_Kabuli_Chr04	NC_021163.1	24479225	CC	AA	AA	INTERGENIC		
SNP_16845B_24479248	Ca_Kabuli_Chr04	NC_021163.1	24479248	TT	AA	AA	INTERGENIC		
SNP_16846B_24479348	Ca_Kabuli_Chr04	NC_021163.1	24479348	CC	GG	GG	INTERGENIC		
SNP_16847B_24482474	Ca_Kabuli_Chr04	NC_021163.1	24482474	CC	TT	TT	INTERGENIC		
SNP_16848B_24482476	Ca_Kabuli_Chr04	NC_021163.1	24482476	AA	GG	GG	INTERGENIC		
SNP_16849B_24483846	Ca_Kabuli_Chr04	NC_021163.1	24483846	CC	AA	AA	INTERGENIC		
SNP_16851B_24495118	Ca_Kabuli_Chr04	NC_021163.1	24495118	TT	CC	CC	INTERGENIC		
SNP_16852B_24503506	Ca_Kabuli_Chr04	NC_021163.1	24503506	GG	AA	AA	URR	101497526	uncharacterized LOC101497526
SNP_16853B_24556522	Ca_Kabuli_Chr04	NC_021163.1	24556522	CC	AA	AA	INTERGENIC		
SNP_16854B_24556523	Ca_Kabuli_Chr04	NC_021163.1	24556523	CC	AA	AA	INTERGENIC		
SNP_16855B_24556535	Ca_Kabuli_Chr04	NC_021163.1	24556535	CC	TT	TT	INTERGENIC		
SNP_16856B_24562940	Ca_Kabuli_Chr04	NC_021163.1	24562940	CC	TT	TT	INTERGENIC		
SNP_16857B_24572781	Ca_Kabuli_Chr04	NC_021163.1	24572781	GG	AA	AA	INTERGENIC		
SNP_16858B_24581967	Ca_Kabuli_Chr04	NC_021163.1	24581967	CC	AA	AA	INTERGENIC		
SNP_16860B_24628721	Ca_Kabuli_Chr04	NC_021163.1	24628721	TT	GG	GG	INTERGENIC		
SNP_16861B_24628729	Ca_Kabuli_Chr04	NC_021163.1	24628729	AA	TT	TT	INTERGENIC		
SNP_16863B_24685620	Ca_Kabuli_Chr04	NC_021163.1	24685620	AA	GG	GG	INTERGENIC		
SNP_16864B_24698498	Ca_Kabuli_Chr04	NC_021163.1	24698498	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_16866B_24760058	Ca_Kabuli_Chr04	NC_021163.1	24760058	AA	GG	GG	INTERGENIC		
SNP_16867B_24760113	Ca_Kabuli_Chr04	NC_021163.1	24760113	AA	TT	TT	INTERGENIC		
SNP_16868B_24760391	Ca_Kabuli_Chr04	NC_021163.1	24760391	TT	GG	GG	INTERGENIC		
SNP_16869B_24760394	Ca_Kabuli_Chr04	NC_021163.1	24760394	TT	CC	CC	INTERGENIC		
SNP_16870B_24760416	Ca_Kabuli_Chr04	NC_021163.1	24760416	TT	CC	CC	INTERGENIC		
SNP_16871B_24760417	Ca_Kabuli_Chr04	NC_021163.1	24760417	GG	AA	AA	INTERGENIC		
SNP_16872B_24760491	Ca_Kabuli_Chr04	NC_021163.1	24760491	GG	AA	AA	INTERGENIC		
SNP_16873B_24760505	Ca_Kabuli_Chr04	NC_021163.1	24760505	AA	CC	CC	INTERGENIC		
SNP_16874B_24777146	Ca_Kabuli_Chr04	NC_021163.1	24777146	TT	CC	CC	INTRON	101500533	uncharacterized LOC101500533
SNP_16875B_24777531	Ca_Kabuli_Chr04	NC_021163.1	24777531	TT	CC	CC	INTRON	101500533	uncharacterized LOC101500533
SNP_16876B_24786799	Ca_Kabuli_Chr04	NC_021163.1	24786799	AA	GG	GG	DRR	101505020	uncharacterized LOC101505020
SNP_16877B_24786856	Ca_Kabuli_Chr04	NC_021163.1	24786856	AA	GG	GG	DRR	101505020	uncharacterized LOC101505020
SNP_16878B_24786866	Ca_Kabuli_Chr04	NC_021163.1	24786866	TT	CC	CC	DRR	101505020	uncharacterized LOC101505020
SNP_16879B_24786867	Ca_Kabuli_Chr04	NC_021163.1	24786867	GG	AA	AA	DRR	101505020	uncharacterized LOC101505020
SNP_16880B_24787141	Ca_Kabuli_Chr04	NC_021163.1	24787141	TT	CC	CC	INTERGENIC		
SNP_16881B_24809140	Ca_Kabuli_Chr04	NC_021163.1	24809140	AA	GG	GG	INTERGENIC		
SNP_16882B_24828207	Ca_Kabuli_Chr04	NC_021163.1	24828207	TT	CC	CC	INTERGENIC		
SNP_16884B_24840434	Ca_Kabuli_Chr04	NC_021163.1	24840434	GG	TT	TT	INTERGENIC		
SNP_16885B_24843322	Ca_Kabuli_Chr04	NC_021163.1	24843322	AA	GG	GG	INTERGENIC		
SNP_16886B_24871715	Ca_Kabuli_Chr04	NC_021163.1	24871715	CC	AA	AA	INTERGENIC		
SNP_16887B_24877472	Ca_Kabuli_Chr04	NC_021163.1	24877472	CC	AA	AA	INTERGENIC		
SNP_16888B_24877556	Ca_Kabuli_Chr04	NC_021163.1	24877556	AA	CC	CC	INTERGENIC		
SNP_16889B_24877584	Ca_Kabuli_Chr04	NC_021163.1	24877584	AA	GG	GG	INTERGENIC		
SNP_16890B_24888479	Ca_Kabuli_Chr04	NC_021163.1	24888479	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_16891B_24921438	Ca_Kabuli_Chr04	NC_021163.1	24921438	TT	CC	CC	INTRON	101502753	pentatricopeptide repeat-containing protein At1g80270, mitochondrial-like
SNP_16892B_24929314	Ca_Kabuli_Chr04	NC_021163.1	24929314	AA	GG	GG	INTERGENIC		
SNP_16893B_24961855	Ca_Kabuli_Chr04	NC_021163.1	24961855	AA	GG	GG	INTERGENIC		
SNP_16894B_24996662	Ca_Kabuli_Chr04	NC_021163.1	24996662	GG	AA	AA	INTERGENIC		
SNP_16895B_24996722	Ca_Kabuli_Chr04	NC_021163.1	24996722	TT	CC	CC	INTERGENIC		
SNP_16896B_24996749	Ca_Kabuli_Chr04	NC_021163.1	24996749	GG	AA	AA	INTERGENIC		
SNP_16897B_24996985	Ca_Kabuli_Chr04	NC_021163.1	24996985	GG	AA	AA	INTERGENIC		
SNP_16898B_24997314	Ca_Kabuli_Chr04	NC_021163.1	24997314	TT	CC	CC	INTERGENIC		
SNP_16899B_25011199	Ca_Kabuli_Chr04	NC_021163.1	25011199	TT	CC	CC	INTERGENIC		
SNP_16900B_25011236	Ca_Kabuli_Chr04	NC_021163.1	25011236	AA	GG	GG	INTERGENIC		
SNP_16901B_25011251	Ca_Kabuli_Chr04	NC_021163.1	25011251	AA	TT	TT	INTERGENIC		
SNP_16902B_25011271	Ca_Kabuli_Chr04	NC_021163.1	25011271	CC	TT	TT	INTERGENIC		
SNP_16903B_25011320	Ca_Kabuli_Chr04	NC_021163.1	25011320	AA	TT	TT	INTERGENIC		
SNP_16904B_25024256	Ca_Kabuli_Chr04	NC_021163.1	25024256	GG	TT	TT	INTERGENIC		
SNP_16905B_25024623	Ca_Kabuli_Chr04	NC_021163.1	25024623	AA	CC	CC	INTERGENIC		
SNP_16906B_25025206	Ca_Kabuli_Chr04	NC_021163.1	25025206	CC	TT	TT	INTERGENIC		
SNP_16907B_25026799	Ca_Kabuli_Chr04	NC_021163.1	25026799	AA	GG	GG	DRR	101488417	uncharacterized LOC101488417
SNP_16909B_25046884	Ca_Kabuli_Chr04	NC_021163.1	25046884	AA	CC	CC	INTERGENIC		
SNP_16910B_25046963	Ca_Kabuli_Chr04	NC_021163.1	25046963	AA	GG	GG	INTERGENIC		
SNP_16912B_25047032	Ca_Kabuli_Chr04	NC_021163.1	25047032	AA	GG	GG	INTERGENIC		
SNP_16913B_25047033	Ca_Kabuli_Chr04	NC_021163.1	25047033	TT	GG	GG	INTERGENIC		
SNP_16914B_25047046	Ca_Kabuli_Chr04	NC_021163.1	25047046	TT	GG	GG	INTERGENIC		
SNP_16915B_25047171	Ca_Kabuli_Chr04	NC_021163.1	25047171	GG	CC	CC	INTERGENIC		
SNP_16916B_25047231	Ca_Kabuli_Chr04	NC_021163.1	25047231	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_16917B_25047279	Ca_Kabuli_Chr04	NC_021163.1	25047279	CC	GG	GG	INTERGENIC		
SNP_16918B_25047334	Ca_Kabuli_Chr04	NC_021163.1	25047334	TT	CC	CC	INTERGENIC		
SNP_16919B_25051118	Ca_Kabuli_Chr04	NC_021163.1	25051118	AA	CC	CC	INTERGENIC		
SNP_16920B_25053677	Ca_Kabuli_Chr04	NC_021163.1	25053677	TT	GG	GG	INTERGENIC		
SNP_16921B_25054020	Ca_Kabuli_Chr04	NC_021163.1	25054020	AA	CC	CC	INTERGENIC		
SNP_16922B_25055248	Ca_Kabuli_Chr04	NC_021163.1	25055248	CC	TT	TT	INTERGENIC		
SNP_16923B_25059432	Ca_Kabuli_Chr04	NC_021163.1	25059432	AA	GG	GG	INTERGENIC		
SNP_16924B_25059482	Ca_Kabuli_Chr04	NC_021163.1	25059482	AA	GG	GG	INTERGENIC		
SNP_16925B_25059593	Ca_Kabuli_Chr04	NC_021163.1	25059593	TT	CC	CC	INTERGENIC		
SNP_16926B_25068354	Ca_Kabuli_Chr04	NC_021163.1	25068354	AA	GG	GG	INTERGENIC		
SNP_16927B_25068414	Ca_Kabuli_Chr04	NC_021163.1	25068414	CC	AA	AA	INTERGENIC		
SNP_16928B_25070308	Ca_Kabuli_Chr04	NC_021163.1	25070308	GG	AA	AA	INTERGENIC		
SNP_16929B_25070326	Ca_Kabuli_Chr04	NC_021163.1	25070326	CC	TT	TT	INTERGENIC		
SNP_16930B_25070433	Ca_Kabuli_Chr04	NC_021163.1	25070433	CC	AA	AA	INTERGENIC		
SNP_16931B_25071094	Ca_Kabuli_Chr04	NC_021163.1	25071094	CC	TT	TT	INTERGENIC		
SNP_16933B_25074251	Ca_Kabuli_Chr04	NC_021163.1	25074251	TT	CC	CC	INTERGENIC		
SNP_16934B_25074508	Ca_Kabuli_Chr04	NC_021163.1	25074508	TT	CC	CC	INTERGENIC		
SNP_16935B_25074574	Ca_Kabuli_Chr04	NC_021163.1	25074574	CC	TT	TT	INTERGENIC		
SNP_16937B_25089310	Ca_Kabuli_Chr04	NC_021163.1	25089310	TT	CC	CC	INTERGENIC		
SNP_16938B_25089497	Ca_Kabuli_Chr04	NC_021163.1	25089497	TT	CC	CC	INTERGENIC		
SNP_16939B_25097754	Ca_Kabuli_Chr04	NC_021163.1	25097754	AA	GG	GG	INTERGENIC		
SNP_16940B_25104513	Ca_Kabuli_Chr04	NC_021163.1	25104513	AA	GG	GG	INTERGENIC		
SNP_16941B_25104611	Ca_Kabuli_Chr04	NC_021163.1	25104611	GG	AA	AA	INTERGENIC		
SNP_16942B_25104708	Ca_Kabuli_Chr04	NC_021163.1	25104708	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_16943B_25111752	Ca_Kabuli_Chr04	NC_021163.1	25111752	TT	GG	GG	INTERGENIC		
SNP_16944B_25117235	Ca_Kabuli_Chr04	NC_021163.1	25117235	TT	CC	CC	INTERGENIC		
SNP_16945B_25117365	Ca_Kabuli_Chr04	NC_021163.1	25117365	GG	AA	AA	INTERGENIC		
SNP_16946B_25118634	Ca_Kabuli_Chr04	NC_021163.1	25118634	AA	TT	TT	INTERGENIC		
SNP_16948B_25165010	Ca_Kabuli_Chr04	NC_021163.1	25165010	TT	CC	CC	INTERGENIC		
SNP_16949B_25166376	Ca_Kabuli_Chr04	NC_021163.1	25166376	GG	AA	AA	INTERGENIC		
SNP_16950B_25168210	Ca_Kabuli_Chr04	NC_021163.1	25168210	GG	AA	AA	INTERGENIC		
SNP_16952B_25168789	Ca_Kabuli_Chr04	NC_021163.1	25168789	CC	AA	AA	INTERGENIC		
SNP_16953B_25168802	Ca_Kabuli_Chr04	NC_021163.1	25168802	CC	TT	TT	INTERGENIC		
SNP_16954B_25169458	Ca_Kabuli_Chr04	NC_021163.1	25169458	CC	TT	TT	INTERGENIC		
SNP_16955B_25169459	Ca_Kabuli_Chr04	NC_021163.1	25169459	AA	TT	TT	INTERGENIC		
SNP_16957B_25185247	Ca_Kabuli_Chr04	NC_021163.1	25185247	CC	TT	TT	INTRON	101507596	7-hydroxymethyl chlorophyll a reductase, chloroplastic
SNP_16958B_25187687	Ca_Kabuli_Chr04	NC_021163.1	25187687	CC	TT	TT	URR	101507596	7-hydroxymethyl chlorophyll a reductase, chloroplastic
SNP_16959B_25190129	Ca_Kabuli_Chr04	NC_021163.1	25190129	AA	GG	GG	INTERGENIC		
SNP_16960B_25193204	Ca_Kabuli_Chr04	NC_021163.1	25193204	CC	TT	TT	INTERGENIC		
SNP_16961B_25200782	Ca_Kabuli_Chr04	NC_021163.1	25200782	TT	CC	CC	INTERGENIC		
SNP_16962B_25200978	Ca_Kabuli_Chr04	NC_021163.1	25200978	GG	TT	TT	INTERGENIC		
SNP_16963B_25207259	Ca_Kabuli_Chr04	NC_021163.1	25207259	GG	AA	AA	INTERGENIC		
SNP_16964B_25215643	Ca_Kabuli_Chr04	NC_021163.1	25215643	AA	TT	TT	URR	101489417	Unknown function
SNP_16965B_25215669	Ca_Kabuli_Chr04	NC_021163.1	25215669	GG	CC	CC	URR	101489417	Unknown function
SNP_16966B_25215683	Ca_Kabuli_Chr04	NC_021163.1	25215683	AA	GG	GG	URR	101489417	Unknown function
SNP_16967B_25215829	Ca_Kabuli_Chr04	NC_021163.1	25215829	GG	TT	TT	URR	101489417	Unknown function
SNP_16968B_25223163	Ca_Kabuli_Chr04	NC_021163.1	25223163	CC	AA	AA	INTERGENIC		
SNP_16969B_25251080	Ca_Kabuli_Chr04	NC_021163.1	25251080	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_16972B_25258608	Ca_Kabuli_Chr04	NC_021163.1	25258608	TT	AA	AA	INTERGENIC		
SNP_16973B_25258648	Ca_Kabuli_Chr04	NC_021163.1	25258648	GG	AA	AA	INTERGENIC		
SNP_16974B_25258924	Ca_Kabuli_Chr04	NC_021163.1	25258924	CC	TT	TT	INTERGENIC		
SNP_16975B_25258956	Ca_Kabuli_Chr04	NC_021163.1	25258956	TT	CC	CC	INTERGENIC		
SNP_16976B_25260893	Ca_Kabuli_Chr04	NC_021163.1	25260893	TT	AA	AA	INTERGENIC		
SNP_16977B_25275421	Ca_Kabuli_Chr04	NC_021163.1	25275421	TT	CC	CC	INTERGENIC		
SNP_16978B_25275424	Ca_Kabuli_Chr04	NC_021163.1	25275424	TT	CC	CC	INTERGENIC		
SNP_16980B_25287445	Ca_Kabuli_Chr04	NC_021163.1	25287445	TT	GG	GG	URR	101508756	PHD finger protein ING1
SNP_16981B_25287450	Ca_Kabuli_Chr04	NC_021163.1	25287450	CC	TT	TT	URR	101508756	PHD finger protein ING1
SNP_16982B_25290496	Ca_Kabuli_Chr04	NC_021163.1	25290496	AA	GG	GG	INTERGENIC		
SNP_16983B_25299536	Ca_Kabuli_Chr04	NC_021163.1	25299536	TT	CC	CC	INTERGENIC		
SNP_16984B_25299545	Ca_Kabuli_Chr04	NC_021163.1	25299545	GG	TT	TT	INTERGENIC		
SNP_16985B_25299547	Ca_Kabuli_Chr04	NC_021163.1	25299547	AA	CC	CC	INTERGENIC		
SNP_16986B_25299990	Ca_Kabuli_Chr04	NC_021163.1	25299990	CC	TT	TT	INTERGENIC		
SNP_16987B_25300039	Ca_Kabuli_Chr04	NC_021163.1	25300039	GG	TT	TT	INTERGENIC		
SNP_16988B_25303354	Ca_Kabuli_Chr04	NC_021163.1	25303354	CC	TT	TT	INTERGENIC		
SNP_16989B_25326903	Ca_Kabuli_Chr04	NC_021163.1	25326903	AA	GG	GG	INTERGENIC		
SNP_16990B_25326990	Ca_Kabuli_Chr04	NC_021163.1	25326990	CC	AA	AA	INTERGENIC		
SNP_16991B_25326998	Ca_Kabuli_Chr04	NC_021163.1	25326998	AA	GG	GG	INTERGENIC		
SNP_16992B_25327019	Ca_Kabuli_Chr04	NC_021163.1	25327019	GG	AA	AA	INTERGENIC		
SNP_16993B_25327040	Ca_Kabuli_Chr04	NC_021163.1	25327040	AA	CC	CC	INTERGENIC		
SNP_16994B_25327068	Ca_Kabuli_Chr04	NC_021163.1	25327068	AA	GG	GG	INTERGENIC		
SNP_16995B_25327095	Ca_Kabuli_Chr04	NC_021163.1	25327095	TT	CC	CC	INTERGENIC		
SNP_16996B_25327101	Ca_Kabuli_Chr04	NC_021163.1	25327101	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_16997B_25327104	Ca_Kabuli_Chr04	NC_021163.1	25327104	CC	TT	TT	INTERGENIC		
SNP_16998B_25327119	Ca_Kabuli_Chr04	NC_021163.1	25327119	AA	GG	GG	INTERGENIC		
SNP_16999B_25327131	Ca_Kabuli_Chr04	NC_021163.1	25327131	TT	CC	CC	INTERGENIC		
SNP_17000B_25327171	Ca_Kabuli_Chr04	NC_021163.1	25327171	TT	CC	CC	INTERGENIC		
SNP_17001B_25327187	Ca_Kabuli_Chr04	NC_021163.1	25327187	GG	TT	TT	INTERGENIC		
SNP_17002B_25327420	Ca_Kabuli_Chr04	NC_021163.1	25327420	TT	GG	GG	INTERGENIC		
SNP_17003B_25327458	Ca_Kabuli_Chr04	NC_021163.1	25327458	CC	TT	TT	INTERGENIC		
SNP_17004B_25327460	Ca_Kabuli_Chr04	NC_021163.1	25327460	TT	GG	GG	INTERGENIC		
SNP_17005B_25327468	Ca_Kabuli_Chr04	NC_021163.1	25327468	TT	CC	CC	INTERGENIC		
SNP_17007B_25352637	Ca_Kabuli_Chr04	NC_021163.1	25352637	TT	CC	CC	URR	101410550	transfer RNA leucine (anticodon CAA)
SNP_17008B_25352693	Ca_Kabuli_Chr04	NC_021163.1	25352693	AA	TT	TT	URR	101410550	transfer RNA leucine (anticodon CAA)
SNP_17009B_25352701	Ca_Kabuli_Chr04	NC_021163.1	25352701	CC	AA	AA	URR	101410550	transfer RNA leucine (anticodon CAA)
SNP_17010B_25352709	Ca_Kabuli_Chr04	NC_021163.1	25352709	CC	TT	TT	URR	101410550	transfer RNA leucine (anticodon CAA)
SNP_17011B_25352936	Ca_Kabuli_Chr04	NC_021163.1	25352936	CC	TT	TT	URR	101410550	transfer RNA leucine (anticodon CAA)
SNP_17012B_25352965	Ca_Kabuli_Chr04	NC_021163.1	25352965	TT	AA	AA	URR	101410550	transfer RNA leucine (anticodon CAA)
SNP_17013B_25352971	Ca_Kabuli_Chr04	NC_021163.1	25352971	CC	AA	AA	URR	101410550	transfer RNA leucine (anticodon CAA)
SNP_17014B_25352988	Ca_Kabuli_Chr04	NC_021163.1	25352988	CC	TT	TT	URR	101410550	transfer RNA leucine (anticodon CAA)
SNP_17015B_25353023	Ca_Kabuli_Chr04	NC_021163.1	25353023	GG	AA	AA	URR	101410550	transfer RNA leucine (anticodon CAA)
SNP_17016B_25353035	Ca_Kabuli_Chr04	NC_021163.1	25353035	GG	AA	AA	URR	101410550	transfer RNA leucine (anticodon CAA)
SNP_17017B_25353219	Ca_Kabuli_Chr04	NC_021163.1	25353219	CC	TT	TT	URR	101410550	transfer RNA leucine (anticodon CAA)
SNP_17018B_25353230	Ca_Kabuli_Chr04	NC_021163.1	25353230	GG	TT	TT	URR	101410550	transfer RNA leucine (anticodon CAA)
SNP_17019B_25353240	Ca_Kabuli_Chr04	NC_021163.1	25353240	TT	GG	GG	URR	101410550	transfer RNA leucine (anticodon CAA)
SNP_17020B_25353282	Ca_Kabuli_Chr04	NC_021163.1	25353282	CC	AA	AA	URR	101410550	transfer RNA leucine (anticodon CAA)
SNP_17021B_25353292	Ca_Kabuli_Chr04	NC_021163.1	25353292	GG	AA	AA	URR	101410550	transfer RNA leucine (anticodon CAA)

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_17022B_25353302	Ca_Kabuli_Chr04	NC_021163.1	25353302	AA	GG	GG	URR	101410550	transfer RNA leucine (anticodon CAA)
SNP_17023B_25353314	Ca_Kabuli_Chr04	NC_021163.1	25353314	AA	TT	TT	URR	101410550	transfer RNA leucine (anticodon CAA)
SNP_17024B_25353340	Ca_Kabuli_Chr04	NC_021163.1	25353340	GG	TT	TT	URR	101410550	transfer RNA leucine (anticodon CAA)
SNP_17025B_25353351	Ca_Kabuli_Chr04	NC_021163.1	25353351	TT	AA	AA	URR	101410550	transfer RNA leucine (anticodon CAA)
SNP_17026B_25353360	Ca_Kabuli_Chr04	NC_021163.1	25353360	GG	TT	TT	URR	101410550	transfer RNA leucine (anticodon CAA)
SNP_17027B_25353665	Ca_Kabuli_Chr04	NC_021163.1	25353665	TT	AA	AA	INTRON	101490714	40S ribosomal protein S8-like
SNP_17028B_25358376	Ca_Kabuli_Chr04	NC_021163.1	25358376	CC	TT	TT	INTERGENIC		
SNP_17029B_25358616	Ca_Kabuli_Chr04	NC_021163.1	25358616	AA	GG	GG	INTERGENIC		
SNP_17030B_25359549	Ca_Kabuli_Chr04	NC_021163.1	25359549	TT	AA	AA	INTERGENIC		
SNP_17031B_25366699	Ca_Kabuli_Chr04	NC_021163.1	25366699	GG	AA	AA	INTERGENIC		
SNP_17032B_25366762	Ca_Kabuli_Chr04	NC_021163.1	25366762	AA	CC	CC	INTERGENIC		
SNP_17033B_25370836	Ca_Kabuli_Chr04	NC_021163.1	25370836	TT	CC	CC	INTERGENIC		
SNP_17034B_25375895	Ca_Kabuli_Chr04	NC_021163.1	25375895	GG	AA	AA	INTERGENIC		
SNP_17035B_25375933	Ca_Kabuli_Chr04	NC_021163.1	25375933	GG	AA	AA	INTERGENIC		
SNP_17036B_25376103	Ca_Kabuli_Chr04	NC_021163.1	25376103	TT	CC	CC	INTERGENIC		
SNP_17037B_25376115	Ca_Kabuli_Chr04	NC_021163.1	25376115	CC	AA	AA	INTERGENIC		
SNP_17038B_25376331	Ca_Kabuli_Chr04	NC_021163.1	25376331	GG	TT	TT	INTERGENIC		
SNP_17039B_25376434	Ca_Kabuli_Chr04	NC_021163.1	25376434	TT	AA	AA	INTERGENIC		
SNP_17040B_25376456	Ca_Kabuli_Chr04	NC_021163.1	25376456	CC	TT	TT	INTERGENIC		
SNP_17041B_25376855	Ca_Kabuli_Chr04	NC_021163.1	25376855	AA	GG	GG	INTERGENIC		
SNP_17042B_25389453	Ca_Kabuli_Chr04	NC_021163.1	25389453	AA	GG	GG	INTERGENIC		
SNP_17043B_25389457	Ca_Kabuli_Chr04	NC_021163.1	25389457	TT	CC	CC	INTERGENIC		
SNP_17044B_25389458	Ca_Kabuli_Chr04	NC_021163.1	25389458	CC	TT	TT	INTERGENIC		
SNP_17045B_25391577	Ca_Kabuli_Chr04	NC_021163.1	25391577	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_17046B_25391614	Ca_Kabuli_Chr04	NC_021163.1	25391614	AA	GG	GG	INTERGENIC		
SNP_17047B_25434418	Ca_Kabuli_Chr04	NC_021163.1	25434418	TT	CC	CC	URR	101491349	probable ubiquitin-like-specific protease 2B
SNP_17048B_25434590	Ca_Kabuli_Chr04	NC_021163.1	25434590	GG	CC	CC	URR	101491349	probable ubiquitin-like-specific protease 2B
SNP_17049B_25434642	Ca_Kabuli_Chr04	NC_021163.1	25434642	AA	TT	TT	URR	101491349	probable ubiquitin-like-specific protease 2B
SNP_17050B_25440812	Ca_Kabuli_Chr04	NC_021163.1	25440812	AA	TT	TT	INTERGENIC		
SNP_17052B_25441076	Ca_Kabuli_Chr04	NC_021163.1	25441076	AA	GG	GG	INTERGENIC		
SNP_17053B_25441141	Ca_Kabuli_Chr04	NC_021163.1	25441141	CC	AA	AA	INTERGENIC		
SNP_17054B_25441982	Ca_Kabuli_Chr04	NC_021163.1	25441982	CC	AA	AA	INTERGENIC		
SNP_17057B_25460349	Ca_Kabuli_Chr04	NC_021163.1	25460349	AA	CC	CC	INTERGENIC		
SNP_17058B_25460356	Ca_Kabuli_Chr04	NC_021163.1	25460356	GG	AA	AA	INTERGENIC		
SNP_17059B_25463676	Ca_Kabuli_Chr04	NC_021163.1	25463676	TT	CC	CC	INTERGENIC		
SNP_17060B_25463687	Ca_Kabuli_Chr04	NC_021163.1	25463687	TT	AA	AA	INTERGENIC		
SNP_17061B_25463688	Ca_Kabuli_Chr04	NC_021163.1	25463688	GG	AA	AA	INTERGENIC		
SNP_17062B_25463689	Ca_Kabuli_Chr04	NC_021163.1	25463689	GG	CC	CC	INTERGENIC		
SNP_17063B_25479893	Ca_Kabuli_Chr04	NC_021163.1	25479893	AA	GG	GG	INTERGENIC		
SNP_17064B_25497678	Ca_Kabuli_Chr04	NC_021163.1	25497678	TT	GG	GG	INTERGENIC		
SNP_17065B_25500789	Ca_Kabuli_Chr04	NC_021163.1	25500789	CC	AA	AA	INTERGENIC		
SNP_17066B_25541860	Ca_Kabuli_Chr04	NC_021163.1	25541860	GG	TT	TT	INTERGENIC		
SNP_17067B_25542976	Ca_Kabuli_Chr04	NC_021163.1	25542976	TT	GG	GG	INTERGENIC		
SNP_17068B_25543726	Ca_Kabuli_Chr04	NC_021163.1	25543726	GG	AA	AA	INTERGENIC		
SNP_17070B_25543890	Ca_Kabuli_Chr04	NC_021163.1	25543890	TT	CC	CC	INTERGENIC		
SNP_17071B_25557556	Ca_Kabuli_Chr04	NC_021163.1	25557556	AA	TT	TT	INTERGENIC		
SNP_17072B_25557557	Ca_Kabuli_Chr04	NC_021163.1	25557557	AA	CC	CC	INTERGENIC		
SNP_17073B_25557575	Ca_Kabuli_Chr04	NC_021163.1	25557575	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_17074B_25558136	Ca_Kabuli_Chr04	NC_021163.1	25558136	CC	TT	TT	INTERGENIC		
SNP_17075B_25558149	Ca_Kabuli_Chr04	NC_021163.1	25558149	AA	GG	GG	INTERGENIC		
SNP_17076B_25578498	Ca_Kabuli_Chr04	NC_021163.1	25578498	CC	GG	GG	INTERGENIC		
SNP_17080B_25634840	Ca_Kabuli_Chr04	NC_021163.1	25634840	TT	AA	AA	INTERGENIC		
SNP_17081B_25634843	Ca_Kabuli_Chr04	NC_021163.1	25634843	TT	AA	AA	INTERGENIC		
SNP_17082B_25670381	Ca_Kabuli_Chr04	NC_021163.1	25670381	CC	TT	TT	INTERGENIC		
SNP_17083B_25675046	Ca_Kabuli_Chr04	NC_021163.1	25675046	GG	AA	AA	INTERGENIC		
SNP_17084B_25683634	Ca_Kabuli_Chr04	NC_021163.1	25683634	AA	GG	GG	INTERGENIC		
SNP_17085B_25685306	Ca_Kabuli_Chr04	NC_021163.1	25685306	AA	GG	GG	INTERGENIC		
SNP_17086B_25686198	Ca_Kabuli_Chr04	NC_021163.1	25686198	GG	AA	AA	INTERGENIC		
SNP_17087B_25693558	Ca_Kabuli_Chr04	NC_021163.1	25693558	GG	AA	AA	INTERGENIC		
SNP_17089B_25695958	Ca_Kabuli_Chr04	NC_021163.1	25695958	TT	CC	CC	INTERGENIC		
SNP_17090B_25695974	Ca_Kabuli_Chr04	NC_021163.1	25695974	CC	TT	TT	INTERGENIC		
SNP_17091B_25698629	Ca_Kabuli_Chr04	NC_021163.1	25698629	GG	AA	AA	INTERGENIC		
SNP_17092B_25723398	Ca_Kabuli_Chr04	NC_021163.1	25723398	GG	AA	AA	INTERGENIC		
SNP_17093B_25723399	Ca_Kabuli_Chr04	NC_021163.1	25723399	TT	CC	CC	INTERGENIC		
SNP_17094B_25727137	Ca_Kabuli_Chr04	NC_021163.1	25727137	GG	AA	AA	INTERGENIC		
SNP_17095B_25731043	Ca_Kabuli_Chr04	NC_021163.1	25731043	CC	TT	TT	INTERGENIC		
SNP_17096B_25741517	Ca_Kabuli_Chr04	NC_021163.1	25741517	AA	GG	GG	INTERGENIC		
SNP_17097B_25743694	Ca_Kabuli_Chr04	NC_021163.1	25743694	CC	AA	AA	INTERGENIC		
SNP_17099B_25756897	Ca_Kabuli_Chr04	NC_021163.1	25756897	TT	CC	CC	URR	101511329	lachrymatory-factor synthase-like
SNP_17100B_25758049	Ca_Kabuli_Chr04	NC_021163.1	25758049	CC	TT	TT	INTERGENIC		
SNP_17101B_25758254	Ca_Kabuli_Chr04	NC_021163.1	25758254	AA	GG	GG	INTERGENIC		
SNP_17102B_25758945	Ca_Kabuli_Chr04	NC_021163.1	25758945	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_17104B_25768465	Ca_Kabuli_Chr04	NC_021163.1	25768465	AA	GG	GG	INTERGENIC		
SNP_17105B_25768466	Ca_Kabuli_Chr04	NC_021163.1	25768466	AA	GG	GG	INTERGENIC		
SNP_17106B_25768479	Ca_Kabuli_Chr04	NC_021163.1	25768479	GG	TT	TT	INTERGENIC		
SNP_17107B_25768481	Ca_Kabuli_Chr04	NC_021163.1	25768481	AA	GG	GG	INTERGENIC		
SNP_17108B_25769226	Ca_Kabuli_Chr04	NC_021163.1	25769226	AA	GG	GG	INTERGENIC		
SNP_17111B_25779526	Ca_Kabuli_Chr04	NC_021163.1	25779526	GG	AA	AA	INTERGENIC		
SNP_17112B_25790132	Ca_Kabuli_Chr04	NC_021163.1	25790132	CC	TT	TT	INTRON	101494587	Unknown function
SNP_17113B_25790206	Ca_Kabuli_Chr04	NC_021163.1	25790206	TT	GG	GG	SYNONYMOUS_CODING	101494587	Unknown function
SNP_17114B_25790421	Ca_Kabuli_Chr04	NC_021163.1	25790421	GG	TT	TT	INTRON	101494587	Unknown function
SNP_17115B_25803723	Ca_Kabuli_Chr04	NC_021163.1	25803723	GG	AA	AA	INTERGENIC		
SNP_17116B_25804090	Ca_Kabuli_Chr04	NC_021163.1	25804090	TT	CC	CC	INTERGENIC		
SNP_17117B_25814068	Ca_Kabuli_Chr04	NC_021163.1	25814068	CC	GG	GG	INTRON	101511976	uncharacterized aarF domain-containing protein kinase At1g71810, chloroplastic
SNP_17121B_25834945	Ca_Kabuli_Chr04	NC_021163.1	25834945	TT	CC	CC	INTERGENIC		
SNP_17123B_25834982	Ca_Kabuli_Chr04	NC_021163.1	25834982	CC	TT	TT	INTERGENIC		
SNP_17124B_25847277	Ca_Kabuli_Chr04	NC_021163.1	25847277	GG	AA	AA	INTERGENIC		
SNP_17125B_25847288	Ca_Kabuli_Chr04	NC_021163.1	25847288	GG	TT	TT	INTERGENIC		
SNP_17126B_25847303	Ca_Kabuli_Chr04	NC_021163.1	25847303	CC	TT	TT	INTERGENIC		
SNP_17127B_25847598	Ca_Kabuli_Chr04	NC_021163.1	25847598	GG	TT	TT	INTERGENIC		
SNP_17128B_25847655	Ca_Kabuli_Chr04	NC_021163.1	25847655	CC	AA	AA	INTERGENIC		
SNP_17130B_25847740	Ca_Kabuli_Chr04	NC_021163.1	25847740	GG	TT	TT	INTERGENIC		
SNP_17131B_25852254	Ca_Kabuli_Chr04	NC_021163.1	25852254	CC	TT	TT	INTERGENIC		
SNP_17132B_25857682	Ca_Kabuli_Chr04	NC_021163.1	25857682	TT	CC	CC	DRR	101495228	putative B3 domain-containing protein At1g78640
SNP_17133B_25860451	Ca_Kabuli_Chr04	NC_021163.1	25860451	CC	TT	TT	URR	101495228	putative B3 domain-containing protein At1g78640
SNP_17135B_25883910	Ca_Kabuli_Chr04	NC_021163.1	25883910	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_17136B_25887822	Ca_Kabuli_Chr04	NC_021163.1	25887822	GG	TT	TT	INTERGENIC		
SNP_17137B_25905226	Ca_Kabuli_Chr04	NC_021163.1	25905226	TT	CC	CC	INTERGENIC		
SNP_17138B_25910696	Ca_Kabuli_Chr04	NC_021163.1	25910696	TT	CC	CC	INTERGENIC		
SNP_17139B_25911059	Ca_Kabuli_Chr04	NC_021163.1	25911059	AA	GG	GG	INTERGENIC		
SNP_17140B_25911214	Ca_Kabuli_Chr04	NC_021163.1	25911214	TT	CC	CC	INTERGENIC		
SNP_17141B_25911444	Ca_Kabuli_Chr04	NC_021163.1	25911444	CC	AA	AA	INTERGENIC		
SNP_17142B_25912821	Ca_Kabuli_Chr04	NC_021163.1	25912821	AA	GG	GG	INTERGENIC		
SNP_17143B_25912835	Ca_Kabuli_Chr04	NC_021163.1	25912835	CC	TT	TT	INTERGENIC		
SNP_17144B_25913183	Ca_Kabuli_Chr04	NC_021163.1	25913183	CC	TT	TT	INTERGENIC		
SNP_17145B_25913604	Ca_Kabuli_Chr04	NC_021163.1	25913604	CC	TT	TT	INTERGENIC		
SNP_17146B_25916766	Ca_Kabuli_Chr04	NC_021163.1	25916766	TT	AA	AA	INTERGENIC		
SNP_17148B_25917031	Ca_Kabuli_Chr04	NC_021163.1	25917031	CC	TT	TT	INTERGENIC		
SNP_17149B_25917105	Ca_Kabuli_Chr04	NC_021163.1	25917105	CC	TT	TT	INTERGENIC		
SNP_17150B_25940156	Ca_Kabuli_Chr04	NC_021163.1	25940156	AA	GG	GG	INTERGENIC		
SNP_17151B_25941482	Ca_Kabuli_Chr04	NC_021163.1	25941482	AA	GG	GG	INTERGENIC		
SNP_17153B_25943450	Ca_Kabuli_Chr04	NC_021163.1	25943450	CC	AA	AA	INTERGENIC		
SNP_17154B_25943464	Ca_Kabuli_Chr04	NC_021163.1	25943464	GG	CC	CC	INTERGENIC		
SNP_17155B_25948055	Ca_Kabuli_Chr04	NC_021163.1	25948055	CC	TT	TT	INTERGENIC		
SNP_17156B_25948430	Ca_Kabuli_Chr04	NC_021163.1	25948430	CC	TT	TT	INTERGENIC		
SNP_17157B_25948813	Ca_Kabuli_Chr04	NC_021163.1	25948813	CC	TT	TT	INTERGENIC		
SNP_17158B_25956691	Ca_Kabuli_Chr04	NC_021163.1	25956691	GG	TT	TT	URR	101514785	uncharacterized LOC101514785
SNP_17161B_25960293	Ca_Kabuli_Chr04	NC_021163.1	25960293	TT	AA	AA	DRR	101497196	putative B3 domain-containing protein At1g78640
SNP_17162B_25962651	Ca_Kabuli_Chr04	NC_021163.1	25962651	CC	TT	TT	URR	101497196	putative B3 domain-containing protein At1g78640
SNP_17163B_25962799	Ca_Kabuli_Chr04	NC_021163.1	25962799	TT	AA	AA	URR	101497196	putative B3 domain-containing protein At1g78640

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_17165B_25962875	Ca_Kabuli_Chr04	NC_021163.1	25962875	AA	TT	TT	URR	101497196	putative B3 domain-containing protein At1g78640
SNP_17166B_25963410	Ca_Kabuli_Chr04	NC_021163.1	25963410	CC	TT	TT	URR	101497196	putative B3 domain-containing protein At1g78640
SNP_17167B_25963705	Ca_Kabuli_Chr04	NC_021163.1	25963705	AA	TT	TT	URR	101497196	putative B3 domain-containing protein At1g78640
SNP_17168B_25964269	Ca_Kabuli_Chr04	NC_021163.1	25964269	CC	AA	AA	INTERGENIC		
SNP_17169B_25964286	Ca_Kabuli_Chr04	NC_021163.1	25964286	TT	CC	CC	INTERGENIC		
SNP_17170B_25964368	Ca_Kabuli_Chr04	NC_021163.1	25964368	GG	AA	AA	INTERGENIC		
SNP_17171B_25964478	Ca_Kabuli_Chr04	NC_021163.1	25964478	AA	GG	GG	INTERGENIC		
SNP_17172B_25964543	Ca_Kabuli_Chr04	NC_021163.1	25964543	AA	GG	GG	INTERGENIC		
SNP_17173B_25964692	Ca_Kabuli_Chr04	NC_021163.1	25964692	AA	CC	CC	INTERGENIC		
SNP_17174B_25964701	Ca_Kabuli_Chr04	NC_021163.1	25964701	CC	TT	TT	INTERGENIC		
SNP_17176B_25964847	Ca_Kabuli_Chr04	NC_021163.1	25964847	GG	TT	TT	INTERGENIC		
SNP_17177B_25964855	Ca_Kabuli_Chr04	NC_021163.1	25964855	AA	CC	CC	INTERGENIC		
SNP_17179B_25965337	Ca_Kabuli_Chr04	NC_021163.1	25965337	AA	CC	CC	INTERGENIC		
SNP_17180B_25965466	Ca_Kabuli_Chr04	NC_021163.1	25965466	CC	AA	AA	INTERGENIC		
SNP_17181B_25965544	Ca_Kabuli_Chr04	NC_021163.1	25965544	GG	CC	CC	INTERGENIC		
SNP_17182B_25965801	Ca_Kabuli_Chr04	NC_021163.1	25965801	GG	TT	TT	INTERGENIC		
SNP_17183B_25965854	Ca_Kabuli_Chr04	NC_021163.1	25965854	AA	CC	CC	INTERGENIC		
SNP_17184B_25965883	Ca_Kabuli_Chr04	NC_021163.1	25965883	GG	AA	AA	INTERGENIC		
SNP_17185B_25965993	Ca_Kabuli_Chr04	NC_021163.1	25965993	GG	AA	AA	INTERGENIC		
SNP_17186B_25966111	Ca_Kabuli_Chr04	NC_021163.1	25966111	TT	GG	GG	INTERGENIC		
SNP_17187B_25966173	Ca_Kabuli_Chr04	NC_021163.1	25966173	CC	TT	TT	INTERGENIC		
SNP_17188B_25966192	Ca_Kabuli_Chr04	NC_021163.1	25966192	GG	TT	TT	INTERGENIC		
SNP_17189B_25966283	Ca_Kabuli_Chr04	NC_021163.1	25966283	TT	GG	GG	INTERGENIC		
SNP_17190B_25966307	Ca_Kabuli_Chr04	NC_021163.1	25966307	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_17191B_25966309	Ca_Kabuli_Chr04	NC_021163.1	25966309	AA	GG	GG	INTERGENIC		
SNP_17192B_25966420	Ca_Kabuli_Chr04	NC_021163.1	25966420	GG	AA	AA	INTERGENIC		
SNP_17193B_25966445	Ca_Kabuli_Chr04	NC_021163.1	25966445	TT	AA	AA	INTERGENIC		
SNP_17194B_25966458	Ca_Kabuli_Chr04	NC_021163.1	25966458	TT	AA	AA	INTERGENIC		
SNP_17195B_25966548	Ca_Kabuli_Chr04	NC_021163.1	25966548	AA	GG	GG	INTERGENIC		
SNP_17196B_25966590	Ca_Kabuli_Chr04	NC_021163.1	25966590	CC	TT	TT	INTERGENIC		
SNP_17197B_25966709	Ca_Kabuli_Chr04	NC_021163.1	25966709	AA	GG	GG	INTERGENIC		
SNP_17198B_25966726	Ca_Kabuli_Chr04	NC_021163.1	25966726	AA	GG	GG	INTERGENIC		
SNP_17199B_25966738	Ca_Kabuli_Chr04	NC_021163.1	25966738	TT	GG	GG	INTERGENIC		
SNP_17200B_25966741	Ca_Kabuli_Chr04	NC_021163.1	25966741	CC	AA	AA	INTERGENIC		
SNP_17201B_25966756	Ca_Kabuli_Chr04	NC_021163.1	25966756	AA	TT	TT	INTERGENIC		
SNP_17202B_25966860	Ca_Kabuli_Chr04	NC_021163.1	25966860	AA	TT	TT	INTERGENIC		
SNP_17203B_25966887	Ca_Kabuli_Chr04	NC_021163.1	25966887	AA	TT	TT	INTERGENIC		
SNP_17204B_25966909	Ca_Kabuli_Chr04	NC_021163.1	25966909	AA	GG	GG	INTERGENIC		
SNP_17205B_25966927	Ca_Kabuli_Chr04	NC_021163.1	25966927	AA	GG	GG	INTERGENIC		
SNP_17206B_25966935	Ca_Kabuli_Chr04	NC_021163.1	25966935	CC	TT	TT	INTERGENIC		
SNP_17207B_25966953	Ca_Kabuli_Chr04	NC_021163.1	25966953	GG	TT	TT	INTERGENIC		
SNP_17208B_25966999	Ca_Kabuli_Chr04	NC_021163.1	25966999	CC	AA	AA	INTERGENIC		
SNP_17209B_25967968	Ca_Kabuli_Chr04	NC_021163.1	25967968	CC	TT	TT	INTERGENIC		
SNP_17211B_25968001	Ca_Kabuli_Chr04	NC_021163.1	25968001	CC	GG	GG	INTERGENIC		
SNP_17212B_25968019	Ca_Kabuli_Chr04	NC_021163.1	25968019	CC	AA	AA	INTERGENIC		
SNP_17213B_25968020	Ca_Kabuli_Chr04	NC_021163.1	25968020	AA	TT	TT	INTERGENIC		
SNP_17214B_25968028	Ca_Kabuli_Chr04	NC_021163.1	25968028	CC	TT	TT	INTERGENIC		
SNP_17215B_25968065	Ca_Kabuli_Chr04	NC_021163.1	25968065	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_17216B_25968240	Ca_Kabuli_Chr04	NC_021163.1	25968240	TT	CC	CC	INTERGENIC		
SNP_17217B_25968297	Ca_Kabuli_Chr04	NC_021163.1	25968297	TT	AA	AA	INTERGENIC		
SNP_17218B_25968319	Ca_Kabuli_Chr04	NC_021163.1	25968319	CC	AA	AA	INTERGENIC		
SNP_17219B_25968364	Ca_Kabuli_Chr04	NC_021163.1	25968364	AA	CC	CC	INTERGENIC		
SNP_17220B_25968422	Ca_Kabuli_Chr04	NC_021163.1	25968422	CC	AA	AA	INTERGENIC		
SNP_17221B_25968462	Ca_Kabuli_Chr04	NC_021163.1	25968462	TT	CC	CC	INTERGENIC		
SNP_17222B_25968501	Ca_Kabuli_Chr04	NC_021163.1	25968501	TT	GG	GG	INTERGENIC		
SNP_17223B_25968765	Ca_Kabuli_Chr04	NC_021163.1	25968765	TT	CC	CC	INTERGENIC		
SNP_17225B_25968852	Ca_Kabuli_Chr04	NC_021163.1	25968852	TT	CC	CC	INTERGENIC		
SNP_17226B_25968923	Ca_Kabuli_Chr04	NC_021163.1	25968923	TT	CC	CC	INTERGENIC		
SNP_17227B_25968976	Ca_Kabuli_Chr04	NC_021163.1	25968976	CC	TT	TT	INTERGENIC		
SNP_17228B_25969138	Ca_Kabuli_Chr04	NC_021163.1	25969138	TT	CC	CC	INTERGENIC		
SNP_17229B_25969257	Ca_Kabuli_Chr04	NC_021163.1	25969257	AA	GG	GG	INTERGENIC		
SNP_17230B_25969297	Ca_Kabuli_Chr04	NC_021163.1	25969297	GG	AA	AA	INTERGENIC		
SNP_17231B_25969321	Ca_Kabuli_Chr04	NC_021163.1	25969321	AA	GG	GG	INTERGENIC		
SNP_17232B_25969326	Ca_Kabuli_Chr04	NC_021163.1	25969326	GG	AA	AA	INTERGENIC		
SNP_17233B_25969351	Ca_Kabuli_Chr04	NC_021163.1	25969351	GG	TT	TT	INTERGENIC		
SNP_17234B_25969370	Ca_Kabuli_Chr04	NC_021163.1	25969370	CC	AA	AA	INTERGENIC		
SNP_17235B_25969373	Ca_Kabuli_Chr04	NC_021163.1	25969373	TT	CC	CC	INTERGENIC		
SNP_17236B_25969489	Ca_Kabuli_Chr04	NC_021163.1	25969489	CC	AA	AA	INTERGENIC		
SNP_17238B_25969551	Ca_Kabuli_Chr04	NC_021163.1	25969551	GG	AA	AA	INTERGENIC		
SNP_17239B_25969578	Ca_Kabuli_Chr04	NC_021163.1	25969578	CC	TT	TT	INTERGENIC		
SNP_17240B_25969613	Ca_Kabuli_Chr04	NC_021163.1	25969613	CC	TT	TT	INTERGENIC		
SNP_17241B_25969625	Ca_Kabuli_Chr04	NC_021163.1	25969625	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_17242B_25969630	Ca_Kabuli_Chr04	NC_021163.1	25969630	GG	AA	AA	INTERGENIC		
SNP_17243B_25969715	Ca_Kabuli_Chr04	NC_021163.1	25969715	GG	AA	AA	INTERGENIC		
SNP_17244B_25969738	Ca_Kabuli_Chr04	NC_021163.1	25969738	AA	GG	GG	INTERGENIC		
SNP_17245B_25969813	Ca_Kabuli_Chr04	NC_021163.1	25969813	AA	GG	GG	INTERGENIC		
SNP_17246B_25969849	Ca_Kabuli_Chr04	NC_021163.1	25969849	TT	CC	CC	INTERGENIC		
SNP_17247B_25969872	Ca_Kabuli_Chr04	NC_021163.1	25969872	AA	GG	GG	INTERGENIC		
SNP_17248B_25969892	Ca_Kabuli_Chr04	NC_021163.1	25969892	AA	GG	GG	INTERGENIC		
SNP_17250B_25970296	Ca_Kabuli_Chr04	NC_021163.1	25970296	CC	TT	TT	INTERGENIC		
SNP_17251B_25970386	Ca_Kabuli_Chr04	NC_021163.1	25970386	GG	AA	AA	INTERGENIC		
SNP_17252B_25970396	Ca_Kabuli_Chr04	NC_021163.1	25970396	CC	TT	TT	INTERGENIC		
SNP_17253B_25970399	Ca_Kabuli_Chr04	NC_021163.1	25970399	GG	AA	AA	INTERGENIC		
SNP_17254B_25970426	Ca_Kabuli_Chr04	NC_021163.1	25970426	CC	AA	AA	INTERGENIC		
SNP_17255B_25970527	Ca_Kabuli_Chr04	NC_021163.1	25970527	CC	AA	AA	INTERGENIC		
SNP_17256B_25970562	Ca_Kabuli_Chr04	NC_021163.1	25970562	TT	GG	GG	INTERGENIC		
SNP_17257B_25970563	Ca_Kabuli_Chr04	NC_021163.1	25970563	CC	AA	AA	INTERGENIC		
SNP_17258B_25970583	Ca_Kabuli_Chr04	NC_021163.1	25970583	TT	AA	AA	INTERGENIC		
SNP_17259B_25970599	Ca_Kabuli_Chr04	NC_021163.1	25970599	GG	TT	TT	INTERGENIC		
SNP_17260B_25970609	Ca_Kabuli_Chr04	NC_021163.1	25970609	AA	CC	CC	INTERGENIC		
SNP_17261B_25970671	Ca_Kabuli_Chr04	NC_021163.1	25970671	GG	AA	AA	INTERGENIC		
SNP_17262B_25970730	Ca_Kabuli_Chr04	NC_021163.1	25970730	TT	GG	GG	INTERGENIC		
SNP_17263B_25970766	Ca_Kabuli_Chr04	NC_021163.1	25970766	AA	GG	GG	INTERGENIC		
SNP_17264B_25970795	Ca_Kabuli_Chr04	NC_021163.1	25970795	CC	AA	AA	INTERGENIC		
SNP_17265B_25970912	Ca_Kabuli_Chr04	NC_021163.1	25970912	TT	GG	GG	INTERGENIC		
SNP_17266B_25970917	Ca_Kabuli_Chr04	NC_021163.1	25970917	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_17267B_25970943	Ca_Kabuli_Chr04	NC_021163.1	25970943	TT	AA	AA	INTERGENIC		
SNP_17268B_25970944	Ca_Kabuli_Chr04	NC_021163.1	25970944	AA	TT	TT	INTERGENIC		
SNP_17269B_25970957	Ca_Kabuli_Chr04	NC_021163.1	25970957	TT	CC	CC	INTERGENIC		
SNP_17270B_25971024	Ca_Kabuli_Chr04	NC_021163.1	25971024	GG	TT	TT	INTERGENIC		
SNP_17271B_25971030	Ca_Kabuli_Chr04	NC_021163.1	25971030	CC	TT	TT	INTERGENIC		
SNP_17272B_25971158	Ca_Kabuli_Chr04	NC_021163.1	25971158	GG	AA	AA	INTERGENIC		
SNP_17273B_25971179	Ca_Kabuli_Chr04	NC_021163.1	25971179	CC	AA	AA	INTERGENIC		
SNP_17274B_25971221	Ca_Kabuli_Chr04	NC_021163.1	25971221	TT	CC	CC	INTERGENIC		
SNP_17276B_25971301	Ca_Kabuli_Chr04	NC_021163.1	25971301	GG	CC	CC	INTERGENIC		
SNP_17277B_25971334	Ca_Kabuli_Chr04	NC_021163.1	25971334	TT	GG	GG	INTERGENIC		
SNP_17278B_25971711	Ca_Kabuli_Chr04	NC_021163.1	25971711	TT	GG	GG	INTERGENIC		
SNP_17279B_25971778	Ca_Kabuli_Chr04	NC_021163.1	25971778	AA	CC	CC	INTERGENIC		
SNP_17281B_25971859	Ca_Kabuli_Chr04	NC_021163.1	25971859	TT	GG	GG	INTERGENIC		
SNP_17282B_25971914	Ca_Kabuli_Chr04	NC_021163.1	25971914	GG	AA	AA	INTERGENIC		
SNP_17283B_25971935	Ca_Kabuli_Chr04	NC_021163.1	25971935	GG	TT	TT	INTERGENIC		
SNP_17284B_25971970	Ca_Kabuli_Chr04	NC_021163.1	25971970	AA	CC	CC	INTERGENIC		
SNP_17285B_25971982	Ca_Kabuli_Chr04	NC_021163.1	25971982	AA	GG	GG	INTERGENIC		
SNP_17286B_25972155	Ca_Kabuli_Chr04	NC_021163.1	25972155	TT	CC	CC	INTERGENIC		
SNP_17287B_25972173	Ca_Kabuli_Chr04	NC_021163.1	25972173	CC	AA	AA	INTERGENIC		
SNP_17288B_25972204	Ca_Kabuli_Chr04	NC_021163.1	25972204	CC	AA	AA	INTERGENIC		
SNP_17289B_25972211	Ca_Kabuli_Chr04	NC_021163.1	25972211	GG	TT	TT	INTERGENIC		
SNP_17290B_25972223	Ca_Kabuli_Chr04	NC_021163.1	25972223	AA	CC	CC	INTERGENIC		
SNP_17291B_25972505	Ca_Kabuli_Chr04	NC_021163.1	25972505	CC	AA	AA	INTERGENIC		
SNP_17292B_25972702	Ca_Kabuli_Chr04	NC_021163.1	25972702	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_17293B_25972745	Ca_Kabuli_Chr04	NC_021163.1	25972745	AA	GG	GG	INTERGENIC		
SNP_17294B_25973013	Ca_Kabuli_Chr04	NC_021163.1	25973013	AA	TT	TT	INTERGENIC		
SNP_17295B_25973395	Ca_Kabuli_Chr04	NC_021163.1	25973395	CC	TT	TT	INTERGENIC		
SNP_17297B_25973522	Ca_Kabuli_Chr04	NC_021163.1	25973522	AA	TT	TT	INTERGENIC		
SNP_17298B_25973588	Ca_Kabuli_Chr04	NC_021163.1	25973588	TT	AA	AA	INTERGENIC		
SNP_17299B_25973671	Ca_Kabuli_Chr04	NC_021163.1	25973671	CC	TT	TT	INTERGENIC		
SNP_17300B_25973933	Ca_Kabuli_Chr04	NC_021163.1	25973933	TT	CC	CC	INTERGENIC		
SNP_17301B_25973984	Ca_Kabuli_Chr04	NC_021163.1	25973984	TT	CC	CC	INTERGENIC		
SNP_17302B_25974035	Ca_Kabuli_Chr04	NC_021163.1	25974035	GG	CC	CC	INTERGENIC		
SNP_17303B_25974065	Ca_Kabuli_Chr04	NC_021163.1	25974065	GG	TT	TT	DRR	101497527	Unknown function
SNP_17304B_25974143	Ca_Kabuli_Chr04	NC_021163.1	25974143	AA	GG	GG	DRR	101497527	Unknown function
SNP_17305B_25974174	Ca_Kabuli_Chr04	NC_021163.1	25974174	GG	AA	AA	DRR	101497527	Unknown function
SNP_17306B_25974320	Ca_Kabuli_Chr04	NC_021163.1	25974320	GG	AA	AA	DRR	101497527	Unknown function
SNP_17307B_25974357	Ca_Kabuli_Chr04	NC_021163.1	25974357	TT	CC	CC	DRR	101497527	Unknown function
SNP_17308B_25974649	Ca_Kabuli_Chr04	NC_021163.1	25974649	TT	CC	CC	DRR	101497527	Unknown function
SNP_17309B_25974728	Ca_Kabuli_Chr04	NC_021163.1	25974728	CC	TT	TT	DRR	101497527	Unknown function
SNP_17310B_25974945	Ca_Kabuli_Chr04	NC_021163.1	25974945	CC	GG	GG	DRR	101497527	Unknown function
SNP_17311B_25974960	Ca_Kabuli_Chr04	NC_021163.1	25974960	GG	TT	TT	DRR	101497527	Unknown function
SNP_17312B_25975083	Ca_Kabuli_Chr04	NC_021163.1	25975083	AA	GG	GG	SYNONYMOUS_CODING	101497527	Unknown function
SNP_17313B_25975092	Ca_Kabuli_Chr04	NC_021163.1	25975092	TT	CC	CC	SYNONYMOUS_CODING	101497527	Unknown function
SNP_17315B_25975245	Ca_Kabuli_Chr04	NC_021163.1	25975245	CC	TT	TT	SYNONYMOUS_CODING	101497527	Unknown function
SNP_17316B_25975267	Ca_Kabuli_Chr04	NC_021163.1	25975267	CC	TT	TT	NON_SYNONYMOUS_CODING	101497527	Unknown function
SNP_17317B_25975280	Ca_Kabuli_Chr04	NC_021163.1	25975280	CC	TT	TT	NON_SYNONYMOUS_CODING	101497527	Unknown function
SNP_17318B_25975282	Ca_Kabuli_Chr04	NC_021163.1	25975282	GG	AA	AA	NON_SYNONYMOUS_CODING	101497527	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_17319B_25975305	Ca_Kabuli_Chr04	NC_021163.1	25975305	AA	GG	GG	SYNONYMOUS_CODING	101497527	Unknown function
SNP_17320B_25975319	Ca_Kabuli_Chr04	NC_021163.1	25975319	CC	TT	TT	NON_SYNONYMOUS_CODING	101497527	Unknown function
SNP_17321B_25975339	Ca_Kabuli_Chr04	NC_021163.1	25975339	GG	TT	TT	STOP_GAINED	101497527	Unknown function
SNP_17322B_25975391	Ca_Kabuli_Chr04	NC_021163.1	25975391	AA	CC	CC	NON_SYNONYMOUS_CODING	101497527	Unknown function
SNP_17323B_25975479	Ca_Kabuli_Chr04	NC_021163.1	25975479	AA	GG	GG	SYNONYMOUS_CODING	101497527	Unknown function
SNP_17324B_25975550	Ca_Kabuli_Chr04	NC_021163.1	25975550	GG	TT	TT	URR	101497527	Unknown function
SNP_17325B_25975582	Ca_Kabuli_Chr04	NC_021163.1	25975582	CC	TT	TT	URR	101497527	Unknown function
SNP_17326B_25975601	Ca_Kabuli_Chr04	NC_021163.1	25975601	TT	CC	CC	URR	101497527	Unknown function
SNP_17327B_25975675	Ca_Kabuli_Chr04	NC_021163.1	25975675	GG	CC	CC	URR	101497527	Unknown function
SNP_17328B_25976524	Ca_Kabuli_Chr04	NC_021163.1	25976524	GG	AA	AA	URR	101497527	Unknown function
SNP_17329B_25976744	Ca_Kabuli_Chr04	NC_021163.1	25976744	AA	GG	GG	URR	101497527	Unknown function
SNP_17330B_25976767	Ca_Kabuli_Chr04	NC_021163.1	25976767	GG	AA	AA	URR	101497527	Unknown function
SNP_17331B_25976885	Ca_Kabuli_Chr04	NC_021163.1	25976885	CC	TT	TT	URR	101497527	Unknown function
SNP_17332B_25976980	Ca_Kabuli_Chr04	NC_021163.1	25976980	TT	CC	CC	URR	101497527	Unknown function
SNP_17333B_25977012	Ca_Kabuli_Chr04	NC_021163.1	25977012	AA	GG	GG	URR	101497527	Unknown function
SNP_17334B_25977122	Ca_Kabuli_Chr04	NC_021163.1	25977122	TT	AA	AA	URR	101497527	Unknown function
SNP_17335B_25977345	Ca_Kabuli_Chr04	NC_021163.1	25977345	TT	CC	CC	URR	101497527	Unknown function
SNP_17336B_25977915	Ca_Kabuli_Chr04	NC_021163.1	25977915	GG	CC	CC	INTERGENIC		
SNP_17337B_25977932	Ca_Kabuli_Chr04	NC_021163.1	25977932	AA	TT	TT	INTERGENIC		
SNP_17338B_25978130	Ca_Kabuli_Chr04	NC_021163.1	25978130	GG	TT	TT	INTERGENIC		
SNP_17340B_25978520	Ca_Kabuli_Chr04	NC_021163.1	25978520	TT	CC	CC	INTERGENIC		
SNP_17341B_25978751	Ca_Kabuli_Chr04	NC_021163.1	25978751	TT	CC	CC	INTERGENIC		
SNP_17342B_25978919	Ca_Kabuli_Chr04	NC_021163.1	25978919	AA	CC	CC	INTERGENIC		
SNP_17343B_25978935	Ca_Kabuli_Chr04	NC_021163.1	25978935	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_17344B_25979184	Ca_Kabuli_Chr04	NC_021163.1	25979184	CC	AA	AA	INTERGENIC		
SNP_17345B_25979225	Ca_Kabuli_Chr04	NC_021163.1	25979225	CC	TT	TT	INTERGENIC		
SNP_17346B_25979324	Ca_Kabuli_Chr04	NC_021163.1	25979324	GG	AA	AA	INTERGENIC		
SNP_17347B_25979377	Ca_Kabuli_Chr04	NC_021163.1	25979377	GG	CC	CC	INTERGENIC		
SNP_17348B_25979582	Ca_Kabuli_Chr04	NC_021163.1	25979582	CC	TT	TT	INTERGENIC		
SNP_17349B_25979606	Ca_Kabuli_Chr04	NC_021163.1	25979606	TT	AA	AA	INTERGENIC		
SNP_17350B_25979657	Ca_Kabuli_Chr04	NC_021163.1	25979657	AA	GG	GG	INTERGENIC		
SNP_17352B_25980550	Ca_Kabuli_Chr04	NC_021163.1	25980550	CC	TT	TT	INTERGENIC		
SNP_17353B_25980630	Ca_Kabuli_Chr04	NC_021163.1	25980630	CC	AA	TT	INTERGENIC		
SNP_17354B_25980995	Ca_Kabuli_Chr04	NC_021163.1	25980995	GG	AA	AA	INTERGENIC		
SNP_17355B_25981293	Ca_Kabuli_Chr04	NC_021163.1	25981293	AA	TT	TT	INTERGENIC		
SNP_17356B_25981541	Ca_Kabuli_Chr04	NC_021163.1	25981541	AA	CC	CC	INTERGENIC		
SNP_17357B_25981653	Ca_Kabuli_Chr04	NC_021163.1	25981653	AA	CC	CC	INTERGENIC		
SNP_17358B_25981697	Ca_Kabuli_Chr04	NC_021163.1	25981697	TT	CC	CC	INTERGENIC		
SNP_17359B_25981891	Ca_Kabuli_Chr04	NC_021163.1	25981891	GG	AA	AA	INTERGENIC		
SNP_17360B_25981973	Ca_Kabuli_Chr04	NC_021163.1	25981973	AA	GG	GG	INTERGENIC		
SNP_17361B_25981974	Ca_Kabuli_Chr04	NC_021163.1	25981974	TT	CC	CC	INTERGENIC		
SNP_17362B_25982065	Ca_Kabuli_Chr04	NC_021163.1	25982065	GG	AA	AA	INTERGENIC		
SNP_17363B_25982121	Ca_Kabuli_Chr04	NC_021163.1	25982121	AA	TT	TT	INTERGENIC		
SNP_17364B_25982137	Ca_Kabuli_Chr04	NC_021163.1	25982137	TT	CC	CC	INTERGENIC		
SNP_17365B_25982149	Ca_Kabuli_Chr04	NC_021163.1	25982149	CC	TT	TT	INTERGENIC		
SNP_17366B_25982188	Ca_Kabuli_Chr04	NC_021163.1	25982188	CC	TT	TT	INTERGENIC		
SNP_17367B_25982226	Ca_Kabuli_Chr04	NC_021163.1	25982226	CC	AA	AA	INTERGENIC		
SNP_17368B_25982275	Ca_Kabuli_Chr04	NC_021163.1	25982275	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_17369B_25982330	Ca_Kabuli_Chr04	NC_021163.1	25982330	AA	GG	GG	INTERGENIC		
SNP_17371B_25982534	Ca_Kabuli_Chr04	NC_021163.1	25982534	GG	AA	AA	INTERGENIC		
SNP_17372B_25982538	Ca_Kabuli_Chr04	NC_021163.1	25982538	GG	AA	AA	INTERGENIC		
SNP_17373B_25982573	Ca_Kabuli_Chr04	NC_021163.1	25982573	CC	TT	TT	INTERGENIC		
SNP_17374B_25982587	Ca_Kabuli_Chr04	NC_021163.1	25982587	GG	TT	TT	INTERGENIC		
SNP_17375B_25982670	Ca_Kabuli_Chr04	NC_021163.1	25982670	AA	GG	GG	INTERGENIC		
SNP_17376B_25982763	Ca_Kabuli_Chr04	NC_021163.1	25982763	TT	CC	CC	INTERGENIC		
SNP_17377B_25982767	Ca_Kabuli_Chr04	NC_021163.1	25982767	TT	AA	AA	INTERGENIC		
SNP_17378B_25982774	Ca_Kabuli_Chr04	NC_021163.1	25982774	AA	TT	TT	INTERGENIC		
SNP_17379B_25982797	Ca_Kabuli_Chr04	NC_021163.1	25982797	CC	GG	GG	INTERGENIC		
SNP_17380B_25982943	Ca_Kabuli_Chr04	NC_021163.1	25982943	AA	CC	CC	INTERGENIC		
SNP_17381B_25982960	Ca_Kabuli_Chr04	NC_021163.1	25982960	CC	TT	TT	INTERGENIC		
SNP_17382B_25982968	Ca_Kabuli_Chr04	NC_021163.1	25982968	AA	GG	GG	INTERGENIC		
SNP_17383B_25983045	Ca_Kabuli_Chr04	NC_021163.1	25983045	AA	CC	CC	INTERGENIC		
SNP_17384B_25983110	Ca_Kabuli_Chr04	NC_021163.1	25983110	TT	AA	AA	INTERGENIC		
SNP_17385B_25983119	Ca_Kabuli_Chr04	NC_021163.1	25983119	CC	AA	AA	INTERGENIC		
SNP_17386B_25983139	Ca_Kabuli_Chr04	NC_021163.1	25983139	CC	TT	TT	INTERGENIC		
SNP_17387B_25983311	Ca_Kabuli_Chr04	NC_021163.1	25983311	AA	GG	GG	INTERGENIC		
SNP_17388B_25983525	Ca_Kabuli_Chr04	NC_021163.1	25983525	TT	GG	GG	INTERGENIC		
SNP_17389B_25983567	Ca_Kabuli_Chr04	NC_021163.1	25983567	TT	GG	GG	INTERGENIC		
SNP_17390B_25983581	Ca_Kabuli_Chr04	NC_021163.1	25983581	TT	GG	GG	INTERGENIC		
SNP_17391B_25983691	Ca_Kabuli_Chr04	NC_021163.1	25983691	AA	GG	GG	INTERGENIC		
SNP_17392B_25983776	Ca_Kabuli_Chr04	NC_021163.1	25983776	TT	GG	GG	INTERGENIC		
SNP_17393B_25983787	Ca_Kabuli_Chr04	NC_021163.1	25983787	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_17394B_25983788	Ca_Kabuli_Chr04	NC_021163.1	25983788	TT	AA	AA	INTERGENIC		
SNP_17395B_25983825	Ca_Kabuli_Chr04	NC_021163.1	25983825	CC	AA	AA	INTERGENIC		
SNP_17396B_25983886	Ca_Kabuli_Chr04	NC_021163.1	25983886	AA	CC	CC	INTERGENIC		
SNP_17397B_25983911	Ca_Kabuli_Chr04	NC_021163.1	25983911	GG	AA	AA	INTERGENIC		
SNP_17398B_25983972	Ca_Kabuli_Chr04	NC_021163.1	25983972	CC	TT	TT	INTERGENIC		
SNP_17399B_25983975	Ca_Kabuli_Chr04	NC_021163.1	25983975	CC	GG	GG	INTERGENIC		
SNP_17400B_25983978	Ca_Kabuli_Chr04	NC_021163.1	25983978	GG	TT	TT	INTERGENIC		
SNP_17401B_25983994	Ca_Kabuli_Chr04	NC_021163.1	25983994	CC	AA	AA	INTERGENIC		
SNP_17402B_25984010	Ca_Kabuli_Chr04	NC_021163.1	25984010	AA	TT	TT	INTERGENIC		
SNP_17403B_25984012	Ca_Kabuli_Chr04	NC_021163.1	25984012	GG	AA	AA	INTERGENIC		
SNP_17404B_25984015	Ca_Kabuli_Chr04	NC_021163.1	25984015	CC	AA	AA	INTERGENIC		
SNP_17405B_25984043	Ca_Kabuli_Chr04	NC_021163.1	25984043	TT	CC	CC	INTERGENIC		
SNP_17406B_25984118	Ca_Kabuli_Chr04	NC_021163.1	25984118	GG	AA	AA	INTERGENIC		
SNP_17407B_25984139	Ca_Kabuli_Chr04	NC_021163.1	25984139	CC	TT	TT	INTERGENIC		
SNP_17408B_25984180	Ca_Kabuli_Chr04	NC_021163.1	25984180	TT	AA	AA	INTERGENIC		
SNP_17409B_25984211	Ca_Kabuli_Chr04	NC_021163.1	25984211	TT	CC	CC	INTERGENIC		
SNP_17410B_25984285	Ca_Kabuli_Chr04	NC_021163.1	25984285	TT	AA	AA	INTERGENIC		
SNP_17411B_25984330	Ca_Kabuli_Chr04	NC_021163.1	25984330	GG	AA	AA	INTERGENIC		
SNP_17412B_25984368	Ca_Kabuli_Chr04	NC_021163.1	25984368	GG	AA	AA	INTERGENIC		
SNP_17415B_25984623	Ca_Kabuli_Chr04	NC_021163.1	25984623	AA	GG	GG	INTERGENIC		
SNP_17416B_25984647	Ca_Kabuli_Chr04	NC_021163.1	25984647	AA	GG	GG	INTERGENIC		
SNP_17417B_25984785	Ca_Kabuli_Chr04	NC_021163.1	25984785	AA	CC	CC	INTERGENIC		
SNP_17418B_25984857	Ca_Kabuli_Chr04	NC_021163.1	25984857	GG	AA	AA	INTERGENIC		
SNP_17419B_25984933	Ca_Kabuli_Chr04	NC_021163.1	25984933	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_17420B_25985099	Ca_Kabuli_Chr04	NC_021163.1	25985099	TT	GG	GG	INTERGENIC		
SNP_17421B_25985120	Ca_Kabuli_Chr04	NC_021163.1	25985120	CC	AA	AA	INTERGENIC		
SNP_17422B_25985217	Ca_Kabuli_Chr04	NC_021163.1	25985217	GG	AA	AA	INTERGENIC		
SNP_17423B_25985231	Ca_Kabuli_Chr04	NC_021163.1	25985231	TT	CC	CC	INTERGENIC		
SNP_17424B_25985465	Ca_Kabuli_Chr04	NC_021163.1	25985465	TT	CC	CC	INTERGENIC		
SNP_17425B_25985469	Ca_Kabuli_Chr04	NC_021163.1	25985469	TT	CC	CC	INTERGENIC		
SNP_17426B_25985484	Ca_Kabuli_Chr04	NC_021163.1	25985484	CC	GG	GG	INTERGENIC		
SNP_17427B_25985498	Ca_Kabuli_Chr04	NC_021163.1	25985498	CC	TT	TT	INTERGENIC		
SNP_17428B_25985500	Ca_Kabuli_Chr04	NC_021163.1	25985500	CC	TT	TT	INTERGENIC		
SNP_17429B_25985801	Ca_Kabuli_Chr04	NC_021163.1	25985801	TT	CC	CC	INTERGENIC		
SNP_17430B_25985819	Ca_Kabuli_Chr04	NC_021163.1	25985819	AA	CC	CC	INTERGENIC		
SNP_17431B_25985871	Ca_Kabuli_Chr04	NC_021163.1	25985871	TT	GG	GG	INTERGENIC		
SNP_17432B_25985982	Ca_Kabuli_Chr04	NC_021163.1	25985982	GG	AA	AA	INTERGENIC		
SNP_17433B_25986031	Ca_Kabuli_Chr04	NC_021163.1	25986031	TT	CC	CC	INTERGENIC		
SNP_17434B_25986047	Ca_Kabuli_Chr04	NC_021163.1	25986047	CC	TT	TT	INTERGENIC		
SNP_17435B_25986063	Ca_Kabuli_Chr04	NC_021163.1	25986063	AA	CC	CC	INTERGENIC		
SNP_17436B_25986124	Ca_Kabuli_Chr04	NC_021163.1	25986124	CC	AA	AA	INTERGENIC		
SNP_17437B_25986176	Ca_Kabuli_Chr04	NC_021163.1	25986176	TT	CC	CC	INTERGENIC		
SNP_17438B_25986382	Ca_Kabuli_Chr04	NC_021163.1	25986382	CC	TT	TT	INTERGENIC		
SNP_17439B_25986623	Ca_Kabuli_Chr04	NC_021163.1	25986623	GG	AA	AA	INTERGENIC		
SNP_17440B_25986658	Ca_Kabuli_Chr04	NC_021163.1	25986658	TT	GG	GG	INTERGENIC		
SNP_17441B_25986858	Ca_Kabuli_Chr04	NC_021163.1	25986858	AA	GG	GG	INTERGENIC		
SNP_17442B_25986900	Ca_Kabuli_Chr04	NC_021163.1	25986900	TT	GG	GG	INTERGENIC		
SNP_17443B_25987121	Ca_Kabuli_Chr04	NC_021163.1	25987121	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_17445B_25987151	Ca_Kabuli_Chr04	NC_021163.1	25987151	TT	CC	CC	INTERGENIC		
SNP_17446B_25987187	Ca_Kabuli_Chr04	NC_021163.1	25987187	TT	AA	AA	INTERGENIC		
SNP_17447B_25987285	Ca_Kabuli_Chr04	NC_021163.1	25987285	TT	GG	GG	INTERGENIC		
SNP_17448B_25987336	Ca_Kabuli_Chr04	NC_021163.1	25987336	CC	TT	TT	INTERGENIC		
SNP_17449B_25987341	Ca_Kabuli_Chr04	NC_021163.1	25987341	GG	AA	AA	INTERGENIC		
SNP_17450B_25987513	Ca_Kabuli_Chr04	NC_021163.1	25987513	TT	GG	GG	INTERGENIC		
SNP_17451B_25987529	Ca_Kabuli_Chr04	NC_021163.1	25987529	GG	AA	AA	INTERGENIC		
SNP_17452B_25987571	Ca_Kabuli_Chr04	NC_021163.1	25987571	GG	AA	AA	INTERGENIC		
SNP_17453B_25987575	Ca_Kabuli_Chr04	NC_021163.1	25987575	AA	GG	GG	INTERGENIC		
SNP_17455B_25987634	Ca_Kabuli_Chr04	NC_021163.1	25987634	TT	CC	CC	INTERGENIC		
SNP_17456B_25987706	Ca_Kabuli_Chr04	NC_021163.1	25987706	AA	CC	CC	INTERGENIC		
SNP_17457B_25987773	Ca_Kabuli_Chr04	NC_021163.1	25987773	GG	TT	TT	INTERGENIC		
SNP_17458B_25987914	Ca_Kabuli_Chr04	NC_021163.1	25987914	CC	TT	TT	INTERGENIC		
SNP_17459B_25987961	Ca_Kabuli_Chr04	NC_021163.1	25987961	TT	CC	CC	INTERGENIC		
SNP_17460B_25988031	Ca_Kabuli_Chr04	NC_021163.1	25988031	GG	CC	CC	INTERGENIC		
SNP_17461B_25988033	Ca_Kabuli_Chr04	NC_021163.1	25988033	TT	AA	AA	INTERGENIC		
SNP_17463B_25989057	Ca_Kabuli_Chr04	NC_021163.1	25989057	CC	TT	TT	INTERGENIC		
SNP_17464B_25989121	Ca_Kabuli_Chr04	NC_021163.1	25989121	TT	CC	CC	INTERGENIC		
SNP_17465B_25989226	Ca_Kabuli_Chr04	NC_021163.1	25989226	CC	TT	TT	INTERGENIC		
SNP_17466B_25989271	Ca_Kabuli_Chr04	NC_021163.1	25989271	CC	TT	TT	INTERGENIC		
SNP_17469B_25989354	Ca_Kabuli_Chr04	NC_021163.1	25989354	GG	TT	TT	INTERGENIC		
SNP_17470B_25989461	Ca_Kabuli_Chr04	NC_021163.1	25989461	TT	CC	CC	INTERGENIC		
SNP_17471B_25989518	Ca_Kabuli_Chr04	NC_021163.1	25989518	AA	CC	CC	INTERGENIC		
SNP_17472B_25989602	Ca_Kabuli_Chr04	NC_021163.1	25989602	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_17473B_25989998	Ca_Kabuli_Chr04	NC_021163.1	25989998	GG	AA	AA	INTERGENIC		
SNP_17474B_25990052	Ca_Kabuli_Chr04	NC_021163.1	25990052	CC	AA	AA	INTERGENIC		
SNP_17475B_25990055	Ca_Kabuli_Chr04	NC_021163.1	25990055	TT	CC	CC	INTERGENIC		
SNP_17476B_25990107	Ca_Kabuli_Chr04	NC_021163.1	25990107	AA	GG	GG	INTERGENIC		
SNP_17478B_25990218	Ca_Kabuli_Chr04	NC_021163.1	25990218	TT	AA	AA	INTERGENIC		
SNP_17479B_25990343	Ca_Kabuli_Chr04	NC_021163.1	25990343	CC	TT	TT	INTERGENIC		
SNP_17480B_25990353	Ca_Kabuli_Chr04	NC_021163.1	25990353	TT	CC	CC	INTERGENIC		
SNP_17481B_25990556	Ca_Kabuli_Chr04	NC_021163.1	25990556	CC	TT	TT	INTERGENIC		
SNP_17482B_25990720	Ca_Kabuli_Chr04	NC_021163.1	25990720	AA	GG	GG	INTERGENIC		
SNP_17483B_25990816	Ca_Kabuli_Chr04	NC_021163.1	25990816	CC	GG	GG	INTERGENIC		
SNP_17484B_25990827	Ca_Kabuli_Chr04	NC_021163.1	25990827	GG	CC	CC	INTERGENIC		
SNP_17485B_25994294	Ca_Kabuli_Chr04	NC_021163.1	25994294	GG	AA	AA	INTERGENIC		
SNP_17486B_25994341	Ca_Kabuli_Chr04	NC_021163.1	25994341	GG	AA	AA	INTERGENIC		
SNP_17487B_25994468	Ca_Kabuli_Chr04	NC_021163.1	25994468	GG	CC	CC	INTERGENIC		
SNP_17489B_25994645	Ca_Kabuli_Chr04	NC_021163.1	25994645	TT	CC	CC	INTERGENIC		
SNP_17490B_25994652	Ca_Kabuli_Chr04	NC_021163.1	25994652	CC	TT	TT	INTERGENIC		
SNP_17492B_25994789	Ca_Kabuli_Chr04	NC_021163.1	25994789	AA	GG	GG	INTERGENIC		
SNP_17493B_25995054	Ca_Kabuli_Chr04	NC_021163.1	25995054	TT	AA	AA	INTERGENIC		
SNP_17495B_25995103	Ca_Kabuli_Chr04	NC_021163.1	25995103	CC	TT	TT	INTERGENIC		
SNP_17496B_25995457	Ca_Kabuli_Chr04	NC_021163.1	25995457	GG	AA	AA	INTERGENIC		
SNP_17497B_25995499	Ca_Kabuli_Chr04	NC_021163.1	25995499	AA	GG	GG	INTERGENIC		
SNP_17498B_25995694	Ca_Kabuli_Chr04	NC_021163.1	25995694	TT	GG	GG	DRR	101497859	putative B3 domain-containing protein At1g78640
SNP_17499B_25995698	Ca_Kabuli_Chr04	NC_021163.1	25995698	GG	AA	AA	DRR	101497859	putative B3 domain-containing protein At1g78640
SNP_17500B_25995728	Ca_Kabuli_Chr04	NC_021163.1	25995728	AA	GG	GG	DRR	101497859	putative B3 domain-containing protein At1g78640

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_17501B_25995781	Ca_Kabuli_Chr04	NC_021163.1	25995781	CC	TT	TT	DRR	101497859	putative B3 domain-containing protein At1g78640
SNP_17503B_25995843	Ca_Kabuli_Chr04	NC_021163.1	25995843	TT	CC	CC	DRR	101497859	putative B3 domain-containing protein At1g78640
SNP_17504B_25996071	Ca_Kabuli_Chr04	NC_021163.1	25996071	CC	GG	GG	DRR	101497859	putative B3 domain-containing protein At1g78640
SNP_17505B_25997705	Ca_Kabuli_Chr04	NC_021163.1	25997705	AA	GG	GG	DRR	101515012	probable voltage-gated potassium channel subunit beta
SNP_17506B_25997706	Ca_Kabuli_Chr04	NC_021163.1	25997706	CC	TT	TT	DRR	101515012	probable voltage-gated potassium channel subunit beta
SNP_17507B_26002212	Ca_Kabuli_Chr04	NC_021163.1	26002212	TT	CC	CC	INTERGENIC		
SNP_17508B_26002325	Ca_Kabuli_Chr04	NC_021163.1	26002325	GG	TT	TT	INTRON	101515012	probable voltage-gated potassium channel subunit beta
SNP_17510B_26010777	Ca_Kabuli_Chr04	NC_021163.1	26010777	CC	AA	AA	INTRON	101515012	probable voltage-gated potassium channel subunit beta
SNP_17511B_26012938	Ca_Kabuli_Chr04	NC_021163.1	26012938	GG	AA	AA	INTRON	101515012	probable voltage-gated potassium channel subunit beta
SNP_17513B_26019082	Ca_Kabuli_Chr04	NC_021163.1	26019082	AA	GG	GG	INTERGENIC		
SNP_17514B_26025321	Ca_Kabuli_Chr04	NC_021163.1	26025321	CC	TT	TT	INTERGENIC		
SNP_17515B_26029915	Ca_Kabuli_Chr04	NC_021163.1	26029915	AA	GG	GG	INTERGENIC		
SNP_17516B_26030895	Ca_Kabuli_Chr04	NC_021163.1	26030895	CC	AA	AA	INTERGENIC		
SNP_17517B_26031226	Ca_Kabuli_Chr04	NC_021163.1	26031226	AA	GG	GG	INTERGENIC		
SNP_17518B_26062977	Ca_Kabuli_Chr04	NC_021163.1	26062977	CC	TT	TT	INTERGENIC		
SNP_17519B_26075602	Ca_Kabuli_Chr04	NC_021163.1	26075602	TT	AA	AA	INTERGENIC		
SNP_17520B_26075612	Ca_Kabuli_Chr04	NC_021163.1	26075612	TT	AA	AA	INTERGENIC		
SNP_17521B_26080170	Ca_Kabuli_Chr04	NC_021163.1	26080170	GG	AA	AA	DRR	101498173	Unknown function
SNP_17522B_26114038	Ca_Kabuli_Chr04	NC_021163.1	26114038	CC	TT	TT	INTERGENIC		
SNP_17523B_26114291	Ca_Kabuli_Chr04	NC_021163.1	26114291	AA	GG	GG	INTERGENIC		
SNP_17524B_26144568	Ca_Kabuli_Chr04	NC_021163.1	26144568	AA	GG	GG	INTERGENIC		
SNP_17525B_26171768	Ca_Kabuli_Chr04	NC_021163.1	26171768	GG	AA	AA	SYNONYMOUS_CODING	101515337	probable pectate lyase 1
SNP_17527B_26176412	Ca_Kabuli_Chr04	NC_021163.1	26176412	CC	TT	TT	INTERGENIC		
SNP_17528B_26187400	Ca_Kabuli_Chr04	NC_021163.1	26187400	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_17529B_26187810	Ca_Kabuli_Chr04	NC_021163.1	26187810	CC	TT	TT	INTERGENIC		
SNP_17530B_26187882	Ca_Kabuli_Chr04	NC_021163.1	26187882	AA	GG	GG	INTERGENIC		
SNP_17531B_26209177	Ca_Kabuli_Chr04	NC_021163.1	26209177	CC	TT	TT	INTERGENIC		
SNP_17532B_26209193	Ca_Kabuli_Chr04	NC_021163.1	26209193	TT	CC	CC	INTERGENIC		
SNP_17533B_26239324	Ca_Kabuli_Chr04	NC_021163.1	26239324	AA	CC	CC	INTERGENIC		
SNP_17534B_26243097	Ca_Kabuli_Chr04	NC_021163.1	26243097	GG	CC	CC	INTERGENIC		
SNP_17535B_26243390	Ca_Kabuli_Chr04	NC_021163.1	26243390	TT	CC	CC	INTERGENIC		
SNP_17536B_26257699	Ca_Kabuli_Chr04	NC_021163.1	26257699	TT	CC	CC	INTERGENIC		
SNP_17538B_26259138	Ca_Kabuli_Chr04	NC_021163.1	26259138	AA	GG	GG	INTERGENIC		
SNP_17539B_26262780	Ca_Kabuli_Chr04	NC_021163.1	26262780	GG	TT	TT	INTERGENIC		
SNP_17540B_26263444	Ca_Kabuli_Chr04	NC_021163.1	26263444	TT	CC	CC	INTERGENIC		
SNP_17541B_26263447	Ca_Kabuli_Chr04	NC_021163.1	26263447	TT	CC	CC	INTERGENIC		
SNP_17542B_26263528	Ca_Kabuli_Chr04	NC_021163.1	26263528	TT	CC	CC	INTERGENIC		
SNP_17543B_26263560	Ca_Kabuli_Chr04	NC_021163.1	26263560	AA	GG	GG	INTERGENIC		
SNP_17544B_26264183	Ca_Kabuli_Chr04	NC_021163.1	26264183	GG	AA	AA	INTERGENIC		
SNP_17545B_26283849	Ca_Kabuli_Chr04	NC_021163.1	26283849	AA	TT	TT	INTERGENIC		
SNP_17546B_26294865	Ca_Kabuli_Chr04	NC_021163.1	26294865	TT	CC	CC	INTERGENIC		
SNP_17547B_26295399	Ca_Kabuli_Chr04	NC_021163.1	26295399	TT	CC	CC	INTERGENIC		
SNP_17549B_26304024	Ca_Kabuli_Chr04	NC_021163.1	26304024	AA	TT	TT	INTERGENIC		
SNP_17550B_26306713	Ca_Kabuli_Chr04	NC_021163.1	26306713	AA	CC	CC	INTERGENIC		
SNP_17551B_26307468	Ca_Kabuli_Chr04	NC_021163.1	26307468	AA	GG	GG	INTERGENIC		
SNP_17554B_26330198	Ca_Kabuli_Chr04	NC_021163.1	26330198	TT	GG	GG	DRR	101501373	uncharacterized LOC101501373
SNP_17555B_26337329	Ca_Kabuli_Chr04	NC_021163.1	26337329	CC	TT	TT	INTERGENIC		
SNP_17556B_26337360	Ca_Kabuli_Chr04	NC_021163.1	26337360	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_17557B_26341850	Ca_Kabuli_Chr04	NC_021163.1	26341850	GG	AA	AA	DRR	101500434	late embryogenesis abundant protein D-7
SNP_17558B_26343414	Ca_Kabuli_Chr04	NC_021163.1	26343414	GG	AA	AA	INTRON	101500434	late embryogenesis abundant protein D-7
SNP_17559B_26349990	Ca_Kabuli_Chr04	NC_021163.1	26349990	GG	AA	AA	INTRON	101502015	uncharacterized LOC101502015
SNP_17560B_26355266	Ca_Kabuli_Chr04	NC_021163.1	26355266	GG	AA	AA	INTRON	101502015	uncharacterized LOC101502015
SNP_17561B_26365292	Ca_Kabuli_Chr04	NC_021163.1	26365292	AA	CC	CC	URR	101410594	transfer RNA cysteine (anticodon GCA)
SNP_17562B_26365302	Ca_Kabuli_Chr04	NC_021163.1	26365302	TT	AA	AA	URR	101410594	transfer RNA cysteine (anticodon GCA)
SNP_17563B_26370753	Ca_Kabuli_Chr04	NC_021163.1	26370753	TT	GG	GG	INTERGENIC		
SNP_17564B_26370815	Ca_Kabuli_Chr04	NC_021163.1	26370815	CC	TT	TT	INTERGENIC		
SNP_17565B_26370957	Ca_Kabuli_Chr04	NC_021163.1	26370957	AA	CC	CC	INTERGENIC		
SNP_17566B_26372844	Ca_Kabuli_Chr04	NC_021163.1	26372844	TT	CC	CC	INTERGENIC		
SNP_17567B_26373171	Ca_Kabuli_Chr04	NC_021163.1	26373171	CC	TT	TT	INTERGENIC		
SNP_17568B_26373180	Ca_Kabuli_Chr04	NC_021163.1	26373180	TT	GG	GG	INTERGENIC		
SNP_17569B_26379377	Ca_Kabuli_Chr04	NC_021163.1	26379377	CC	TT	TT	INTERGENIC		
SNP_17570B_26389917	Ca_Kabuli_Chr04	NC_021163.1	26389917	AA	GG	GG	INTERGENIC		
SNP_17571B_26397396	Ca_Kabuli_Chr04	NC_021163.1	26397396	CC	TT	TT	INTERGENIC		
SNP_17572B_26397458	Ca_Kabuli_Chr04	NC_021163.1	26397458	TT	CC	CC	INTERGENIC		
SNP_17573B_26397656	Ca_Kabuli_Chr04	NC_021163.1	26397656	GG	AA	AA	INTERGENIC		
SNP_17574B_26398671	Ca_Kabuli_Chr04	NC_021163.1	26398671	AA	GG	GG	INTERGENIC		
SNP_17576B_26399000	Ca_Kabuli_Chr04	NC_021163.1	26399000	CC	TT	TT	INTERGENIC		
SNP_17577B_26399442	Ca_Kabuli_Chr04	NC_021163.1	26399442	GG	AA	AA	INTERGENIC		
SNP_17578B_26402560	Ca_Kabuli_Chr04	NC_021163.1	26402560	GG	CC	CC	INTERGENIC		
SNP_17579B_26409507	Ca_Kabuli_Chr04	NC_021163.1	26409507	AA	TT	TT	INTERGENIC		
SNP_17580B_26411090	Ca_Kabuli_Chr04	NC_021163.1	26411090	AA	TT	TT	DRR	101410594	transfer RNA cysteine (anticodon GCA)
SNP_17581B_26411091	Ca_Kabuli_Chr04	NC_021163.1	26411091	GG	AA	AA	DRR	101410594	transfer RNA cysteine (anticodon GCA)

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_17582B_26411141	Ca_Kabuli_Chr04	NC_021163.1	26411141	AA	TT	TT	DRR	101410594	transfer RNA cysteine (anticodon GCA)
SNP_17583B_26411203	Ca_Kabuli_Chr04	NC_021163.1	26411203	TT	CC	CC	DRR	101410594	transfer RNA cysteine (anticodon GCA)
SNP_17585B_26411400	Ca_Kabuli_Chr04	NC_021163.1	26411400	GG	AA	AA	DRR	101410594	transfer RNA cysteine (anticodon GCA)
SNP_17586B_26411481	Ca_Kabuli_Chr04	NC_021163.1	26411481	TT	AA	AA	DRR	101410594	transfer RNA cysteine (anticodon GCA)
SNP_17589B_26456558	Ca_Kabuli_Chr04	NC_021163.1	26456558	TT	AA	AA	INTERGENIC		
SNP_17590B_26468171	Ca_Kabuli_Chr04	NC_021163.1	26468171	CC	TT	TT	INTERGENIC		
SNP_17591B_26469196	Ca_Kabuli_Chr04	NC_021163.1	26469196	TT	CC	CC	INTERGENIC		
SNP_17594B_26492266	Ca_Kabuli_Chr04	NC_021163.1	26492266	GG	AA	AA	INTERGENIC		
SNP_17598B_26551678	Ca_Kabuli_Chr04	NC_021163.1	26551678	AA	GG	GG	INTERGENIC		
SNP_17600B_26555539	Ca_Kabuli_Chr04	NC_021163.1	26555539	TT	CC	CC	INTERGENIC		
SNP_17601B_26591392	Ca_Kabuli_Chr04	NC_021163.1	26591392	CC	TT	TT	INTERGENIC		
SNP_17602B_26596705	Ca_Kabuli_Chr04	NC_021163.1	26596705	CC	GG	GG	INTERGENIC		
SNP_17603B_26599369	Ca_Kabuli_Chr04	NC_021163.1	26599369	GG	AA	AA	INTERGENIC		
SNP_17604B_26600954	Ca_Kabuli_Chr04	NC_021163.1	26600954	TT	GG	GG	INTERGENIC		
SNP_17605B_26603070	Ca_Kabuli_Chr04	NC_021163.1	26603070	TT	GG	GG	INTERGENIC		
SNP_17606B_26606278	Ca_Kabuli_Chr04	NC_021163.1	26606278	TT	CC	CC	INTERGENIC		
SNP_17607B_26606722	Ca_Kabuli_Chr04	NC_021163.1	26606722	AA	TT	TT	INTERGENIC		
SNP_17608B_26608172	Ca_Kabuli_Chr04	NC_021163.1	26608172	GG	TT	TT	INTERGENIC		
SNP_17609B_26608936	Ca_Kabuli_Chr04	NC_021163.1	26608936	GG	AA	AA	DRR	101504264	3-isopropylmalate dehydratase large subunit-like
SNP_17610B_26608958	Ca_Kabuli_Chr04	NC_021163.1	26608958	CC	GG	GG	DRR	101504264	3-isopropylmalate dehydratase large subunit-like
SNP_17611B_26617142	Ca_Kabuli_Chr04	NC_021163.1	26617142	GG	AA	AA	INTRON	101504264	3-isopropylmalate dehydratase large subunit-like
SNP_17613B_26623414	Ca_Kabuli_Chr04	NC_021163.1	26623414	GG	CC	CC	INTERGENIC		
SNP_17614B_26624751	Ca_Kabuli_Chr04	NC_021163.1	26624751	TT	GG	GG	INTERGENIC		
SNP_17615B_26635781	Ca_Kabuli_Chr04	NC_021163.1	26635781	TT	CC	CC	SYNONYMOUS_CODING	101504596	DNA mismatch repair protein MSH1, mitochondrial

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_17616B_26650036	Ca_Kabuli_Chr04	NC_021163.1	26650036	TT	CC	CC	URR	101504596	DNA mismatch repair protein MSH1, mitochondrial
SNP_17617B_26660195	Ca_Kabuli_Chr04	NC_021163.1	26660195	AA	TT	TT	INTERGENIC		
SNP_17618B_26660840	Ca_Kabuli_Chr04	NC_021163.1	26660840	CC	TT	TT	INTERGENIC		
SNP_17619B_26661477	Ca_Kabuli_Chr04	NC_021163.1	26661477	AA	GG	GG	INTERGENIC		
SNP_17620B_26662408	Ca_Kabuli_Chr04	NC_021163.1	26662408	TT	CC	CC	INTERGENIC		
SNP_17622B_26684060	Ca_Kabuli_Chr04	NC_021163.1	26684060	GG	AA	AA	INTERGENIC		
SNP_17623B_26726282	Ca_Kabuli_Chr04	NC_021163.1	26726282	AA	GG	GG	INTERGENIC		
SNP_17624B_26727805	Ca_Kabuli_Chr04	NC_021163.1	26727805	GG	AA	AA	INTERGENIC		
SNP_17625B_26746221	Ca_Kabuli_Chr04	NC_021163.1	26746221	CC	TT	TT	INTERGENIC		
SNP_17627B_26764896	Ca_Kabuli_Chr04	NC_021163.1	26764896	AA	GG	GG	SYNONYMOUS_CODING	101507078	transcription factor MYB24-like
SNP_17629B_26776588	Ca_Kabuli_Chr04	NC_021163.1	26776588	AA	GG	GG	INTERGENIC		
SNP_17630B_26779067	Ca_Kabuli_Chr04	NC_021163.1	26779067	AA	GG	GG	INTERGENIC		
SNP_17631B_26805605	Ca_Kabuli_Chr04	NC_021163.1	26805605	GG	AA	AA	INTERGENIC		
SNP_17632B_26807395	Ca_Kabuli_Chr04	NC_021163.1	26807395	AA	GG	GG	INTERGENIC		
SNP_17633B_26810599	Ca_Kabuli_Chr04	NC_021163.1	26810599	GG	TT	TT	INTRON	101510921	uncharacterized LOC101510921
SNP_17634B_26810674	Ca_Kabuli_Chr04	NC_021163.1	26810674	AA	CC	CC	INTRON	101510921	uncharacterized LOC101510921
SNP_17635B_26810680	Ca_Kabuli_Chr04	NC_021163.1	26810680	CC	TT	TT	INTRON	101510921	uncharacterized LOC101510921
SNP_17636B_26810689	Ca_Kabuli_Chr04	NC_021163.1	26810689	TT	CC	CC	INTRON	101510921	uncharacterized LOC101510921
SNP_17637B_26810749	Ca_Kabuli_Chr04	NC_021163.1	26810749	GG	AA	AA	INTRON	101510921	uncharacterized LOC101510921
SNP_17638B_26818111	Ca_Kabuli_Chr04	NC_021163.1	26818111	AA	TT	TT	INTERGENIC		
SNP_17639B_26818112	Ca_Kabuli_Chr04	NC_021163.1	26818112	TT	CC	CC	INTERGENIC		
SNP_17640B_26819643	Ca_Kabuli_Chr04	NC_021163.1	26819643	TT	AA	AA	INTERGENIC		
SNP_17641B_26821666	Ca_Kabuli_Chr04	NC_021163.1	26821666	AA	TT	TT	DRR	101511233	Unknown function
SNP_17642B_26821667	Ca_Kabuli_Chr04	NC_021163.1	26821667	CC	AA	AA	DRR	101511233	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_17643B_26847187	Ca_Kabuli_Chr04	NC_021163.1	26847187	AA	GG	GG	INTRON	101511556	uncharacterized LOC101511556
SNP_17644B_26847401	Ca_Kabuli_Chr04	NC_021163.1	26847401	TT	CC	CC	INTRON	101511556	uncharacterized LOC101511556
SNP_17645B_26847454	Ca_Kabuli_Chr04	NC_021163.1	26847454	AA	GG	GG	INTRON	101511556	uncharacterized LOC101511556
SNP_17646B_26847461	Ca_Kabuli_Chr04	NC_021163.1	26847461	GG	TT	TT	INTRON	101511556	uncharacterized LOC101511556
SNP_17647B_26847470	Ca_Kabuli_Chr04	NC_021163.1	26847470	TT	CC	CC	INTRON	101511556	uncharacterized LOC101511556
SNP_17649B_26850227	Ca_Kabuli_Chr04	NC_021163.1	26850227	TT	CC	CC	INTRON	101511556	uncharacterized LOC101511556
SNP_17650B_26858372	Ca_Kabuli_Chr04	NC_021163.1	26858372	AA	GG	GG	SYNONYMOUS_CODING	101511883	Unknown function
SNP_17651B_26900443	Ca_Kabuli_Chr04	NC_021163.1	26900443	TT	CC	CC	INTERGENIC		
SNP_17652B_26902778	Ca_Kabuli_Chr04	NC_021163.1	26902778	TT	GG	GG	INTERGENIC		
SNP_17653B_26902794	Ca_Kabuli_Chr04	NC_021163.1	26902794	TT	CC	CC	INTERGENIC		
SNP_17654B_26902814	Ca_Kabuli_Chr04	NC_021163.1	26902814	AA	CC	CC	INTERGENIC		
SNP_17655B_26903017	Ca_Kabuli_Chr04	NC_021163.1	26903017	AA	GG	GG	INTERGENIC		
SNP_17656B_26903245	Ca_Kabuli_Chr04	NC_021163.1	26903245	AA	GG	GG	INTERGENIC		
SNP_17658B_26916177	Ca_Kabuli_Chr04	NC_021163.1	26916177	TT	CC	CC	INTRON	101508666	28 kDa ribonucleoprotein, chloroplastic
SNP_17659B_26930194	Ca_Kabuli_Chr04	NC_021163.1	26930194	AA	GG	GG	INTERGENIC		
SNP_17660B_26936463	Ca_Kabuli_Chr04	NC_021163.1	26936463	TT	CC	CC	INTERGENIC		
SNP_17661B_26936495	Ca_Kabuli_Chr04	NC_021163.1	26936495	AA	TT	TT	INTERGENIC		
SNP_17662B_26936497	Ca_Kabuli_Chr04	NC_021163.1	26936497	AA	GG	GG	INTERGENIC		
SNP_17663B_26936524	Ca_Kabuli_Chr04	NC_021163.1	26936524	CC	TT	TT	INTERGENIC		
SNP_17664B_26936554	Ca_Kabuli_Chr04	NC_021163.1	26936554	GG	AA	AA	INTERGENIC		
SNP_17665B_26936771	Ca_Kabuli_Chr04	NC_021163.1	26936771	GG	AA	AA	INTERGENIC		
SNP_17666B_26936787	Ca_Kabuli_Chr04	NC_021163.1	26936787	TT	GG	GG	INTERGENIC		
SNP_17667B_26936951	Ca_Kabuli_Chr04	NC_021163.1	26936951	AA	GG	GG	INTERGENIC		
SNP_17668B_26936954	Ca_Kabuli_Chr04	NC_021163.1	26936954	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_17669B_26936964	Ca_Kabuli_Chr04	NC_021163.1	26936964	TT	AA	AA	INTERGENIC		
SNP_17670B_26937283	Ca_Kabuli_Chr04	NC_021163.1	26937283	CC	TT	TT	INTRON	101508666	28 kDa ribonucleoprotein, chloroplastic
SNP_17671B_26947662	Ca_Kabuli_Chr04	NC_021163.1	26947662	AA	GG	GG	INTERGENIC		
SNP_17672B_26947663	Ca_Kabuli_Chr04	NC_021163.1	26947663	AA	GG	GG	INTERGENIC		
SNP_17673B_26947666	Ca_Kabuli_Chr04	NC_021163.1	26947666	AA	TT	TT	INTERGENIC		
SNP_17674B_26952429	Ca_Kabuli_Chr04	NC_021163.1	26952429	GG	AA	AA	URR	101508984	uncharacterized TPR repeat-containing protein At1g05150-like
SNP_17676B_26975820	Ca_Kabuli_Chr04	NC_021163.1	26975820	AA	GG	GG	INTERGENIC		
SNP_17677B_26997482	Ca_Kabuli_Chr04	NC_021163.1	26997482	TT	CC	CC	INTERGENIC		
SNP_17678B_27003118	Ca_Kabuli_Chr04	NC_021163.1	27003118	TT	GG	GG	INTERGENIC		
SNP_17679B_27006652	Ca_Kabuli_Chr04	NC_021163.1	27006652	CC	TT	TT	INTERGENIC		
SNP_17680B_27010315	Ca_Kabuli_Chr04	NC_021163.1	27010315	AA	CC	CC	INTERGENIC		
SNP_17681B_27016029	Ca_Kabuli_Chr04	NC_021163.1	27016029	TT	CC	CC	INTERGENIC		
SNP_17682B_27016058	Ca_Kabuli_Chr04	NC_021163.1	27016058	GG	AA	AA	INTERGENIC		
SNP_17683B_27016304	Ca_Kabuli_Chr04	NC_021163.1	27016304	GG	AA	AA	INTERGENIC		
SNP_17684B_27016707	Ca_Kabuli_Chr04	NC_021163.1	27016707	AA	CC	CC	INTERGENIC		
SNP_17685B_27017121	Ca_Kabuli_Chr04	NC_021163.1	27017121	AA	GG	GG	INTERGENIC		
SNP_17687B_27017429	Ca_Kabuli_Chr04	NC_021163.1	27017429	CC	AA	AA	INTERGENIC		
SNP_17688B_27017698	Ca_Kabuli_Chr04	NC_021163.1	27017698	CC	TT	TT	INTERGENIC		
SNP_17689B_27018689	Ca_Kabuli_Chr04	NC_021163.1	27018689	AA	TT	TT	INTERGENIC		
SNP_17690B_27019383	Ca_Kabuli_Chr04	NC_021163.1	27019383	CC	TT	TT	INTERGENIC		
SNP_17691B_27019750	Ca_Kabuli_Chr04	NC_021163.1	27019750	CC	AA	AA	INTERGENIC		
SNP_17692B_27019754	Ca_Kabuli_Chr04	NC_021163.1	27019754	CC	AA	AA	INTERGENIC		
SNP_17693B_27020032	Ca_Kabuli_Chr04	NC_021163.1	27020032	TT	GG	GG	INTERGENIC		
SNP_17694B_27020035	Ca_Kabuli_Chr04	NC_021163.1	27020035	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_17695B_27021007	Ca_Kabuli_Chr04	NC_021163.1	27021007	AA	GG	GG	INTERGENIC		
SNP_17696B_27021282	Ca_Kabuli_Chr04	NC_021163.1	27021282	CC	TT	TT	INTERGENIC		
SNP_17697B_27021482	Ca_Kabuli_Chr04	NC_021163.1	27021482	GG	AA	AA	INTERGENIC		
SNP_17698B_27021491	Ca_Kabuli_Chr04	NC_021163.1	27021491	GG	AA	AA	INTERGENIC		
SNP_17699B_27022074	Ca_Kabuli_Chr04	NC_021163.1	27022074	CC	GG	GG	INTERGENIC		
SNP_17700B_27022890	Ca_Kabuli_Chr04	NC_021163.1	27022890	GG	TT	TT	INTERGENIC		
SNP_17701B_27030413	Ca_Kabuli_Chr04	NC_021163.1	27030413	TT	CC	CC	INTERGENIC		
SNP_17702B_27037449	Ca_Kabuli_Chr04	NC_021163.1	27037449	TT	GG	GG	INTERGENIC		
SNP_17703B_27038368	Ca_Kabuli_Chr04	NC_021163.1	27038368	AA	CC	CC	INTERGENIC		
SNP_17704B_27058910	Ca_Kabuli_Chr04	NC_021163.1	27058910	TT	GG	GG	URR	101509941	oxidation resistance protein 1-like
SNP_17705B_27065069	Ca_Kabuli_Chr04	NC_021163.1	27065069	AA	CC	CC	INTERGENIC		
SNP_17706B_27065196	Ca_Kabuli_Chr04	NC_021163.1	27065196	GG	TT	TT	INTERGENIC		
SNP_17707B_27065197	Ca_Kabuli_Chr04	NC_021163.1	27065197	GG	TT	TT	INTERGENIC		
SNP_17708B_27065199	Ca_Kabuli_Chr04	NC_021163.1	27065199	GG	AA	AA	INTERGENIC		
SNP_17709B_27070430	Ca_Kabuli_Chr04	NC_021163.1	27070430	TT	AA	AA	INTERGENIC		
SNP_17710B_27070454	Ca_Kabuli_Chr04	NC_021163.1	27070454	AA	GG	GG	INTERGENIC		
SNP_17711B_27070513	Ca_Kabuli_Chr04	NC_021163.1	27070513	CC	TT	TT	INTERGENIC		
SNP_17712B_27070970	Ca_Kabuli_Chr04	NC_021163.1	27070970	GG	AA	AA	INTERGENIC		
SNP_17713B_27080429	Ca_Kabuli_Chr04	NC_021163.1	27080429	CC	TT	TT	INTERGENIC		
SNP_17714B_27081760	Ca_Kabuli_Chr04	NC_021163.1	27081760	CC	TT	TT	INTERGENIC		
SNP_17715B_27082279	Ca_Kabuli_Chr04	NC_021163.1	27082279	AA	GG	GG	INTERGENIC		
SNP_17716B_27082391	Ca_Kabuli_Chr04	NC_021163.1	27082391	TT	AA	AA	INTERGENIC		
SNP_17717B_27082859	Ca_Kabuli_Chr04	NC_021163.1	27082859	GG	AA	AA	INTERGENIC		
SNP_17718B_27093762	Ca_Kabuli_Chr04	NC_021163.1	27093762	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_17719B_27094992	Ca_Kabuli_Chr04	NC_021163.1	27094992	GG	AA	AA	INTERGENIC		
SNP_17720B_27103792	Ca_Kabuli_Chr04	NC_021163.1	27103792	CC	AA	AA	INTERGENIC		
SNP_17721B_27114614	Ca_Kabuli_Chr04	NC_021163.1	27114614	CC	AA	AA	DRR	101510265	pre-mRNA-processing factor 19 homolog 2
SNP_17722B_27116320	Ca_Kabuli_Chr04	NC_021163.1	27116320	TT	CC	CC	INTRON	101510265	pre-mRNA-processing factor 19 homolog 2
SNP_17723B_27124747	Ca_Kabuli_Chr04	NC_021163.1	27124747	AA	GG	GG	URR	101510265	pre-mRNA-processing factor 19 homolog 2
SNP_17724B_27143030	Ca_Kabuli_Chr04	NC_021163.1	27143030	CC	TT	TT	INTERGENIC		
SNP_17725B_27143276	Ca_Kabuli_Chr04	NC_021163.1	27143276	GG	AA	AA	INTERGENIC		
SNP_17726B_27185974	Ca_Kabuli_Chr04	NC_021163.1	27185974	GG	CC	CC	INTERGENIC		
SNP_17727B_27200982	Ca_Kabuli_Chr04	NC_021163.1	27200982	AA	GG	GG	DRR	101513485	Unknown function
SNP_17728B_27201040	Ca_Kabuli_Chr04	NC_021163.1	27201040	CC	TT	TT	DRR	101513485	Unknown function
SNP_17729B_27201081	Ca_Kabuli_Chr04	NC_021163.1	27201081	GG	AA	AA	DRR	101513485	Unknown function
SNP_17730B_27210217	Ca_Kabuli_Chr04	NC_021163.1	27210217	CC	GG	GG	INTERGENIC		
SNP_17731B_27210259	Ca_Kabuli_Chr04	NC_021163.1	27210259	CC	AA	AA	INTERGENIC		
SNP_17732B_27210284	Ca_Kabuli_Chr04	NC_021163.1	27210284	AA	GG	GG	INTERGENIC		
SNP_17733B_27212829	Ca_Kabuli_Chr04	NC_021163.1	27212829	TT	AA	AA	INTERGENIC		
SNP_17734B_27213136	Ca_Kabuli_Chr04	NC_021163.1	27213136	AA	CC	CC	INTERGENIC		
SNP_17735B_27213170	Ca_Kabuli_Chr04	NC_021163.1	27213170	AA	GG	GG	INTERGENIC		
SNP_17736B_27213197	Ca_Kabuli_Chr04	NC_021163.1	27213197	GG	AA	AA	INTERGENIC		
SNP_17737B_27213241	Ca_Kabuli_Chr04	NC_021163.1	27213241	CC	GG	AA	INTERGENIC		
SNP_17738B_27213247	Ca_Kabuli_Chr04	NC_021163.1	27213247	AA	GG	GG	INTERGENIC		
SNP_17740B_27233702	Ca_Kabuli_Chr04	NC_021163.1	27233702	CC	TT	TT	INTERGENIC		
SNP_17741B_27233719	Ca_Kabuli_Chr04	NC_021163.1	27233719	TT	CC	CC	INTERGENIC		
SNP_17742B_27240882	Ca_Kabuli_Chr04	NC_021163.1	27240882	TT	AA	AA	INTERGENIC		
SNP_17743B_27254764	Ca_Kabuli_Chr04	NC_021163.1	27254764	GG	AA	AA	DRR	101513790	sugar transport protein 10-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_17744B_27260023	Ca_Kabuli_Chr04	NC_021163.1	27260023	TT	GG	GG	INTERGENIC		
SNP_17746B_27266248	Ca_Kabuli_Chr04	NC_021163.1	27266248	TT	CC	CC	INTRON	101514135	sugar transport protein 10-like
SNP_17747B_27266317	Ca_Kabuli_Chr04	NC_021163.1	27266317	CC	AA	AA	INTRON	101514135	sugar transport protein 10-like
SNP_17748B_27266481	Ca_Kabuli_Chr04	NC_021163.1	27266481	GG	AA	AA	INTRON	101514135	sugar transport protein 10-like
SNP_17749B_27266505	Ca_Kabuli_Chr04	NC_021163.1	27266505	CC	GG	GG	INTRON	101514135	sugar transport protein 10-like
SNP_17750B_27266567	Ca_Kabuli_Chr04	NC_021163.1	27266567	AA	GG	GG	INTRON	101514135	sugar transport protein 10-like
SNP_17751B_27266594	Ca_Kabuli_Chr04	NC_021163.1	27266594	AA	TT	TT	INTRON	101514135	sugar transport protein 10-like
SNP_17752B_27266607	Ca_Kabuli_Chr04	NC_021163.1	27266607	GG	AA	AA	INTRON	101514135	sugar transport protein 10-like
SNP_17753B_27266635	Ca_Kabuli_Chr04	NC_021163.1	27266635	CC	TT	TT	INTRON	101514135	sugar transport protein 10-like
SNP_17754B_27266644	Ca_Kabuli_Chr04	NC_021163.1	27266644	CC	AA	AA	INTRON	101514135	sugar transport protein 10-like
SNP_17755B_27266658	Ca_Kabuli_Chr04	NC_021163.1	27266658	TT	CC	CC	INTRON	101514135	sugar transport protein 10-like
SNP_17756B_27266660	Ca_Kabuli_Chr04	NC_021163.1	27266660	AA	TT	TT	INTRON	101514135	sugar transport protein 10-like
SNP_17757B_27266748	Ca_Kabuli_Chr04	NC_021163.1	27266748	TT	AA	AA	INTRON	101514135	sugar transport protein 10-like
SNP_17758B_27266780	Ca_Kabuli_Chr04	NC_021163.1	27266780	GG	TT	TT	INTRON	101514135	sugar transport protein 10-like
SNP_17759B_27266849	Ca_Kabuli_Chr04	NC_021163.1	27266849	AA	CC	CC	INTRON	101514135	sugar transport protein 10-like
SNP_17760B_27266887	Ca_Kabuli_Chr04	NC_021163.1	27266887	AA	TT	TT	INTRON	101514135	sugar transport protein 10-like
SNP_17761B_27266933	Ca_Kabuli_Chr04	NC_021163.1	27266933	TT	GG	GG	INTRON	101514135	sugar transport protein 10-like
SNP_17762B_27266957	Ca_Kabuli_Chr04	NC_021163.1	27266957	CC	TT	TT	INTRON	101514135	sugar transport protein 10-like
SNP_17763B_27266973	Ca_Kabuli_Chr04	NC_021163.1	27266973	AA	GG	GG	INTRON	101514135	sugar transport protein 10-like
SNP_17764B_27267083	Ca_Kabuli_Chr04	NC_021163.1	27267083	AA	GG	GG	INTRON	101514135	sugar transport protein 10-like
SNP_17766B_27267220	Ca_Kabuli_Chr04	NC_021163.1	27267220	AA	GG	GG	INTRON	101514135	sugar transport protein 10-like
SNP_17767B_27270709	Ca_Kabuli_Chr04	NC_021163.1	27270709	AA	GG	GG	SPLICE_SITE_REGION	101514135	sugar transport protein 10-like
SNP_17768B_27270763	Ca_Kabuli_Chr04	NC_021163.1	27270763	TT	CC	CC	INTRON	101514135	sugar transport protein 10-like
SNP_17769B_27270882	Ca_Kabuli_Chr04	NC_021163.1	27270882	AA	GG	GG	INTRON	101514135	sugar transport protein 10-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_17770B_27270894	Ca_Kabuli_Chr04	NC_021163.1	27270894	AA	GG	GG	INTRON	101514135	sugar transport protein 10-like
SNP_17771B_27270905	Ca_Kabuli_Chr04	NC_021163.1	27270905	CC	TT	TT	INTRON	101514135	sugar transport protein 10-like
SNP_17772B_27272116	Ca_Kabuli_Chr04	NC_021163.1	27272116	GG	TT	TT	NON_SYNONYMOUS_CODING	101514135	sugar transport protein 10-like
SNP_17773B_27274106	Ca_Kabuli_Chr04	NC_021163.1	27274106	GG	TT	TT	URR	101514135	sugar transport protein 10-like
SNP_17774B_27274172	Ca_Kabuli_Chr04	NC_021163.1	27274172	CC	TT	TT	URR	101514135	sugar transport protein 10-like
SNP_17775B_27274177	Ca_Kabuli_Chr04	NC_021163.1	27274177	TT	AA	AA	URR	101514135	sugar transport protein 10-like
SNP_17776B_27274413	Ca_Kabuli_Chr04	NC_021163.1	27274413	CC	TT	TT	INTERGENIC		
SNP_17777B_27274418	Ca_Kabuli_Chr04	NC_021163.1	27274418	CC	TT	TT	INTERGENIC		
SNP_17779B_27283904	Ca_Kabuli_Chr04	NC_021163.1	27283904	TT	CC	CC	INTERGENIC		
SNP_17780B_27285248	Ca_Kabuli_Chr04	NC_021163.1	27285248	GG	AA	AA	INTERGENIC		
SNP_17781B_27313880	Ca_Kabuli_Chr04	NC_021163.1	27313880	AA	TT	TT	INTERGENIC		
SNP_17782B_27314046	Ca_Kabuli_Chr04	NC_021163.1	27314046	TT	GG	GG	INTERGENIC		
SNP_17784B_27314091	Ca_Kabuli_Chr04	NC_021163.1	27314091	TT	CC	CC	INTERGENIC		
SNP_17785B_27323618	Ca_Kabuli_Chr04	NC_021163.1	27323618	AA	GG	GG	INTERGENIC		
SNP_17786B_27323657	Ca_Kabuli_Chr04	NC_021163.1	27323657	TT	AA	AA	INTERGENIC		
SNP_17787B_27323668	Ca_Kabuli_Chr04	NC_021163.1	27323668	TT	AA	AA	INTERGENIC		
SNP_17788B_27323669	Ca_Kabuli_Chr04	NC_021163.1	27323669	GG	CC	CC	INTERGENIC		
SNP_17789B_27326189	Ca_Kabuli_Chr04	NC_021163.1	27326189	GG	AA	AA	INTERGENIC		
SNP_17790B_27328646	Ca_Kabuli_Chr04	NC_021163.1	27328646	TT	GG	GG	INTERGENIC		
SNP_17791B_27328654	Ca_Kabuli_Chr04	NC_021163.1	27328654	CC	TT	TT	INTERGENIC		
SNP_17792B_27329377	Ca_Kabuli_Chr04	NC_021163.1	27329377	TT	AA	AA	INTERGENIC		
SNP_17793B_27329399	Ca_Kabuli_Chr04	NC_021163.1	27329399	AA	GG	GG	INTERGENIC		
SNP_17794B_27340827	Ca_Kabuli_Chr04	NC_021163.1	27340827	GG	TT	TT	INTERGENIC		
SNP_17796B_27340909	Ca_Kabuli_Chr04	NC_021163.1	27340909	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_17797B_27341141	Ca_Kabuli_Chr04	NC_021163.1	27341141	AA	GG	GG	INTERGENIC		
SNP_17798B_27355982	Ca_Kabuli_Chr04	NC_021163.1	27355982	TT	AA	AA	INTERGENIC		
SNP_17799B_27362164	Ca_Kabuli_Chr04	NC_021163.1	27362164	AA	GG	GG	INTERGENIC		
SNP_17800B_27362210	Ca_Kabuli_Chr04	NC_021163.1	27362210	CC	TT	TT	INTERGENIC		
SNP_17801B_27362558	Ca_Kabuli_Chr04	NC_021163.1	27362558	AA	GG	GG	INTERGENIC		
SNP_17802B_27363863	Ca_Kabuli_Chr04	NC_021163.1	27363863	TT	CC	CC	INTERGENIC		
SNP_17803B_27364649	Ca_Kabuli_Chr04	NC_021163.1	27364649	AA	GG	GG	INTERGENIC		
SNP_17804B_27364651	Ca_Kabuli_Chr04	NC_021163.1	27364651	CC	TT	TT	INTERGENIC		
SNP_17805B_27364655	Ca_Kabuli_Chr04	NC_021163.1	27364655	AA	GG	GG	INTERGENIC		
SNP_17806B_27368198	Ca_Kabuli_Chr04	NC_021163.1	27368198	TT	AA	AA	INTERGENIC		
SNP_17807B_27368375	Ca_Kabuli_Chr04	NC_021163.1	27368375	TT	CC	CC	INTERGENIC		
SNP_17809B_27368409	Ca_Kabuli_Chr04	NC_021163.1	27368409	CC	TT	TT	INTERGENIC		
SNP_17812B_27378530	Ca_Kabuli_Chr04	NC_021163.1	27378530	AA	GG	GG	URR	101514462	uncharacterized LOC101514462
SNP_17813B_27379892	Ca_Kabuli_Chr04	NC_021163.1	27379892	AA	GG	GG	URR	101514462	uncharacterized LOC101514462
SNP_17814B_27394951	Ca_Kabuli_Chr04	NC_021163.1	27394951	GG	AA	AA	INTERGENIC		
SNP_17815B_27394957	Ca_Kabuli_Chr04	NC_021163.1	27394957	TT	AA	AA	INTERGENIC		
SNP_17816B_27394958	Ca_Kabuli_Chr04	NC_021163.1	27394958	TT	AA	AA	INTERGENIC		
SNP_17817B_27398512	Ca_Kabuli_Chr04	NC_021163.1	27398512	GG	TT	TT	INTERGENIC		
SNP_17818B_27398513	Ca_Kabuli_Chr04	NC_021163.1	27398513	CC	TT	TT	INTERGENIC		
SNP_17819B_27398785	Ca_Kabuli_Chr04	NC_021163.1	27398785	TT	CC	CC	INTERGENIC		
SNP_17820B_27399175	Ca_Kabuli_Chr04	NC_021163.1	27399175	GG	TT	TT	INTERGENIC		
SNP_17821B_27399413	Ca_Kabuli_Chr04	NC_021163.1	27399413	CC	TT	TT	INTERGENIC		
SNP_17822B_27424596	Ca_Kabuli_Chr04	NC_021163.1	27424596	GG	TT	TT	URR	101515110	acid phosphatase 1
SNP_17823B_27427182	Ca_Kabuli_Chr04	NC_021163.1	27427182	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_17824B_27436486	Ca_Kabuli_Chr04	NC_021163.1	27436486	CC	TT	TT	INTERGENIC		
SNP_17825B_27440475	Ca_Kabuli_Chr04	NC_021163.1	27440475	GG	AA	AA	INTERGENIC		
SNP_17826B_27478344	Ca_Kabuli_Chr04	NC_021163.1	27478344	AA	GG	GG	INTERGENIC		
SNP_17827B_27478345	Ca_Kabuli_Chr04	NC_021163.1	27478345	GG	CC	CC	INTERGENIC		
SNP_17828B_27478525	Ca_Kabuli_Chr04	NC_021163.1	27478525	AA	GG	GG	INTERGENIC		
SNP_17829B_27481304	Ca_Kabuli_Chr04	NC_021163.1	27481304	CC	TT	TT	URR	101515432	eukaryotic translation initiation factor isoform 4E-2
SNP_17830B_27484380	Ca_Kabuli_Chr04	NC_021163.1	27484380	GG	AA	AA	URR	101515763	protein PROTON GRADIENT REGULATION 5, chloroplastic
SNP_17831B_27491879	Ca_Kabuli_Chr04	NC_021163.1	27491879	GG	AA	AA	DRR	101491036	uncharacterized LOC101491036
SNP_17832B_27494565	Ca_Kabuli_Chr04	NC_021163.1	27494565	AA	TT	TT	URR	101491036	uncharacterized LOC101491036
SNP_17833B_27498604	Ca_Kabuli_Chr04	NC_021163.1	27498604	TT	CC	CC	INTRON	101488522	actin-related protein 2/3 complex subunit 2B
SNP_17834B_27499561	Ca_Kabuli_Chr04	NC_021163.1	27499561	CC	GG	GG	INTRON	101488522	actin-related protein 2/3 complex subunit 2B
SNP_17835B_27499576	Ca_Kabuli_Chr04	NC_021163.1	27499576	GG	AA	AA	INTRON	101488522	actin-related protein 2/3 complex subunit 2B
SNP_17836B_27500270	Ca_Kabuli_Chr04	NC_021163.1	27500270	AA	TT	TT	INTRON	101488522	actin-related protein 2/3 complex subunit 2B
SNP_17838B_27509057	Ca_Kabuli_Chr04	NC_021163.1	27509057	CC	AA	AA	INTRON	101488522	actin-related protein 2/3 complex subunit 2B
SNP_17839B_27509849	Ca_Kabuli_Chr04	NC_021163.1	27509849	TT	GG	GG	INTRON	101488522	actin-related protein 2/3 complex subunit 2B
SNP_17840B_27510948	Ca_Kabuli_Chr04	NC_021163.1	27510948	TT	CC	CC	URR	101488522	actin-related protein 2/3 complex subunit 2B
SNP_17843B_27516401	Ca_Kabuli_Chr04	NC_021163.1	27516401	GG	AA	AA	INTERGENIC		
SNP_17844B_27531060	Ca_Kabuli_Chr04	NC_021163.1	27531060	TT	CC	CC	INTERGENIC		
SNP_17848B_27545195	Ca_Kabuli_Chr04	NC_021163.1	27545195	AA	CC	CC	INTERGENIC		
SNP_17849B_27545196	Ca_Kabuli_Chr04	NC_021163.1	27545196	TT	CC	CC	INTERGENIC		
SNP_17850B_27545242	Ca_Kabuli_Chr04	NC_021163.1	27545242	CC	TT	TT	INTERGENIC		
SNP_17851B_27545247	Ca_Kabuli_Chr04	NC_021163.1	27545247	CC	TT	TT	INTERGENIC		
SNP_17852B_27545546	Ca_Kabuli_Chr04	NC_021163.1	27545546	TT	AA	AA	INTERGENIC		
SNP_17854B_27549091	Ca_Kabuli_Chr04	NC_021163.1	27549091	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_17855B_27549284	Ca_Kabuli_Chr04	NC_021163.1	27549284	AA	GG	GG	INTERGENIC		
SNP_17856B_27551176	Ca_Kabuli_Chr04	NC_021163.1	27551176	TT	GG	GG	INTERGENIC		
SNP_17857B_27553256	Ca_Kabuli_Chr04	NC_021163.1	27553256	TT	AA	AA	INTERGENIC		
SNP_17858B_27554412	Ca_Kabuli_Chr04	NC_021163.1	27554412	AA	GG	GG	INTERGENIC		
SNP_17859B_27554429	Ca_Kabuli_Chr04	NC_021163.1	27554429	TT	CC	CC	INTERGENIC		
SNP_17860B_27554579	Ca_Kabuli_Chr04	NC_021163.1	27554579	AA	GG	GG	INTERGENIC		
SNP_17862B_27554669	Ca_Kabuli_Chr04	NC_021163.1	27554669	GG	TT	TT	INTERGENIC		
SNP_17863B_27554681	Ca_Kabuli_Chr04	NC_021163.1	27554681	TT	CC	CC	INTERGENIC		
SNP_17864B_27554831	Ca_Kabuli_Chr04	NC_021163.1	27554831	TT	CC	CC	INTERGENIC		
SNP_17865B_27555488	Ca_Kabuli_Chr04	NC_021163.1	27555488	GG	AA	AA	INTERGENIC		
SNP_17866B_27555494	Ca_Kabuli_Chr04	NC_021163.1	27555494	TT	AA	AA	INTERGENIC		
SNP_17867B_27555496	Ca_Kabuli_Chr04	NC_021163.1	27555496	GG	AA	AA	INTERGENIC		
SNP_17868B_27555573	Ca_Kabuli_Chr04	NC_021163.1	27555573	AA	TT	TT	INTERGENIC		
SNP_17869B_27555664	Ca_Kabuli_Chr04	NC_021163.1	27555664	CC	AA	AA	INTERGENIC		
SNP_17870B_27558181	Ca_Kabuli_Chr04	NC_021163.1	27558181	GG	AA	AA	INTERGENIC		
SNP_17871B_27567251	Ca_Kabuli_Chr04	NC_021163.1	27567251	AA	GG	GG	INTERGENIC		
SNP_17872B_27567256	Ca_Kabuli_Chr04	NC_021163.1	27567256	GG	AA	AA	INTERGENIC		
SNP_17873B_27569850	Ca_Kabuli_Chr04	NC_021163.1	27569850	AA	CC	CC	INTERGENIC		
SNP_17874B_27569861	Ca_Kabuli_Chr04	NC_021163.1	27569861	GG	AA	AA	INTERGENIC		
SNP_17875B_27573849	Ca_Kabuli_Chr04	NC_021163.1	27573849	TT	GG	GG	INTERGENIC		
SNP_17876B_27574573	Ca_Kabuli_Chr04	NC_021163.1	27574573	TT	CC	CC	INTERGENIC		
SNP_17877B_27587074	Ca_Kabuli_Chr04	NC_021163.1	27587074	AA	CC	CC	INTERGENIC		
SNP_17878B_27587221	Ca_Kabuli_Chr04	NC_021163.1	27587221	GG	AA	AA	INTERGENIC		
SNP_17879B_27587423	Ca_Kabuli_Chr04	NC_021163.1	27587423	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_17880B_27587446	Ca_Kabuli_Chr04	NC_021163.1	27587446	AA	GG	GG	INTERGENIC		
SNP_17881B_27593034	Ca_Kabuli_Chr04	NC_021163.1	27593034	TT	CC	CC	INTERGENIC		
SNP_17882B_27593319	Ca_Kabuli_Chr04	NC_021163.1	27593319	AA	GG	GG	INTERGENIC		
SNP_17883B_27611361	Ca_Kabuli_Chr04	NC_021163.1	27611361	GG	AA	AA	INTRON	101492315	uncharacterized LOC101492315
SNP_17884B_27615308	Ca_Kabuli_Chr04	NC_021163.1	27615308	GG	AA	AA	INTRON	101492315	uncharacterized LOC101492315
SNP_17885B_27618457	Ca_Kabuli_Chr04	NC_021163.1	27618457	CC	AA	AA	INTRON	101492315	uncharacterized LOC101492315
SNP_17886B_27631675	Ca_Kabuli_Chr04	NC_021163.1	27631675	CC	TT	TT	INTERGENIC		
SNP_17887B_27631758	Ca_Kabuli_Chr04	NC_021163.1	27631758	GG	AA	AA	INTERGENIC		
SNP_17888B_27631761	Ca_Kabuli_Chr04	NC_021163.1	27631761	AA	GG	GG	INTERGENIC		
SNP_17889B_27631774	Ca_Kabuli_Chr04	NC_021163.1	27631774	TT	CC	CC	INTERGENIC		
SNP_17890B_27631781	Ca_Kabuli_Chr04	NC_021163.1	27631781	CC	AA	AA	INTERGENIC		
SNP_17891B_27631784	Ca_Kabuli_Chr04	NC_021163.1	27631784	TT	AA	AA	INTERGENIC		
SNP_17892B_27635037	Ca_Kabuli_Chr04	NC_021163.1	27635037	GG	TT	TT	INTERGENIC		
SNP_17893B_27635038	Ca_Kabuli_Chr04	NC_021163.1	27635038	GG	AA	AA	INTERGENIC		
SNP_17894B_27647413	Ca_Kabuli_Chr04	NC_021163.1	27647413	CC	TT	TT	INTERGENIC		
SNP_17895B_27647783	Ca_Kabuli_Chr04	NC_021163.1	27647783	GG	AA	AA	INTERGENIC		
SNP_17896B_27650331	Ca_Kabuli_Chr04	NC_021163.1	27650331	TT	CC	CC	INTERGENIC		
SNP_17897B_27654187	Ca_Kabuli_Chr04	NC_021163.1	27654187	TT	CC	CC	INTERGENIC		
SNP_17898B_27656590	Ca_Kabuli_Chr04	NC_021163.1	27656590	TT	GG	GG	INTERGENIC		
SNP_17899B_27657055	Ca_Kabuli_Chr04	NC_021163.1	27657055	TT	CC	CC	INTERGENIC		
SNP_17900B_27657071	Ca_Kabuli_Chr04	NC_021163.1	27657071	TT	GG	GG	INTERGENIC		
SNP_17901B_27657272	Ca_Kabuli_Chr04	NC_021163.1	27657272	AA	GG	GG	INTERGENIC		
SNP_17902B_27657456	Ca_Kabuli_Chr04	NC_021163.1	27657456	TT	GG	GG	INTERGENIC		
SNP_17903B_27675479	Ca_Kabuli_Chr04	NC_021163.1	27675479	CC	TT	TT	URR	101489738	MATH domain-containing protein At5g43560-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_17904B_27675820	Ca_Kabuli_Chr04	NC_021163.1	27675820	CC	GG	GG	INTERGENIC		
SNP_17905B_27675858	Ca_Kabuli_Chr04	NC_021163.1	27675858	CC	TT	TT	INTERGENIC		
SNP_17906B_27684573	Ca_Kabuli_Chr04	NC_021163.1	27684573	GG	TT	TT	INTERGENIC		
SNP_17907B_27695750	Ca_Kabuli_Chr04	NC_021163.1	27695750	AA	GG	GG	INTERGENIC		
SNP_17908B_27696132	Ca_Kabuli_Chr04	NC_021163.1	27696132	AA	GG	GG	INTERGENIC		
SNP_17909B_27710474	Ca_Kabuli_Chr04	NC_021163.1	27710474	GG	CC	CC	INTERGENIC		
SNP_17910B_27715717	Ca_Kabuli_Chr04	NC_021163.1	27715717	CC	AA	AA	INTERGENIC		
SNP_17911B_27718590	Ca_Kabuli_Chr04	NC_021163.1	27718590	AA	TT	TT	INTERGENIC		
SNP_17912B_27724832	Ca_Kabuli_Chr04	NC_021163.1	27724832	GG	TT	TT	INTERGENIC		
SNP_17913B_27724894	Ca_Kabuli_Chr04	NC_021163.1	27724894	CC	TT	TT	INTERGENIC		
SNP_17914B_27724947	Ca_Kabuli_Chr04	NC_021163.1	27724947	GG	CC	CC	INTERGENIC		
SNP_17915B_27724987	Ca_Kabuli_Chr04	NC_021163.1	27724987	GG	CC	CC	INTERGENIC		
SNP_17916B_27725196	Ca_Kabuli_Chr04	NC_021163.1	27725196	AA	TT	TT	INTERGENIC		
SNP_17917B_27725264	Ca_Kabuli_Chr04	NC_021163.1	27725264	TT	CC	CC	INTERGENIC		
SNP_17918B_27731359	Ca_Kabuli_Chr04	NC_021163.1	27731359	CC	AA	AA	URR	101492979	uncharacterized LOC101492979
SNP_17919B_27731577	Ca_Kabuli_Chr04	NC_021163.1	27731577	AA	GG	GG	URR	101492979	uncharacterized LOC101492979
SNP_17920B_27731585	Ca_Kabuli_Chr04	NC_021163.1	27731585	GG	TT	TT	URR	101492979	uncharacterized LOC101492979
SNP_17921B_27732886	Ca_Kabuli_Chr04	NC_021163.1	27732886	AA	GG	GG	URR	101492979	uncharacterized LOC101492979
SNP_17922B_27734187	Ca_Kabuli_Chr04	NC_021163.1	27734187	AA	TT	TT	INTERGENIC		
SNP_17923B_27739295	Ca_Kabuli_Chr04	NC_021163.1	27739295	CC	TT	TT	INTERGENIC		
SNP_17924B_27739310	Ca_Kabuli_Chr04	NC_021163.1	27739310	TT	GG	GG	INTERGENIC		
SNP_17925B_27742599	Ca_Kabuli_Chr04	NC_021163.1	27742599	TT	AA	AA	INTERGENIC		
SNP_17927B_27746689	Ca_Kabuli_Chr04	NC_021163.1	27746689	CC	TT	TT	INTERGENIC		
SNP_17928B_27746721	Ca_Kabuli_Chr04	NC_021163.1	27746721	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_17929B_27752848	Ca_Kabuli_Chr04	NC_021163.1	27752848	CC	TT	TT	INTERGENIC		
SNP_17930B_27759383	Ca_Kabuli_Chr04	NC_021163.1	27759383	TT	GG	GG	INTERGENIC		
SNP_17932B_27847393	Ca_Kabuli_Chr04	NC_021163.1	27847393	GG	AA	AA	INTERGENIC		
SNP_17933B_27854370	Ca_Kabuli_Chr04	NC_021163.1	27854370	TT	GG	GG	INTERGENIC		
SNP_17935B_27896974	Ca_Kabuli_Chr04	NC_021163.1	27896974	AA	TT	TT	INTERGENIC		
SNP_17937B_27928558	Ca_Kabuli_Chr04	NC_021163.1	27928558	TT	CC	CC	INTERGENIC		
SNP_17938B_27928793	Ca_Kabuli_Chr04	NC_021163.1	27928793	CC	TT	TT	INTERGENIC		
SNP_17939B_27928804	Ca_Kabuli_Chr04	NC_021163.1	27928804	AA	CC	CC	INTERGENIC		
SNP_17940B_27928809	Ca_Kabuli_Chr04	NC_021163.1	27928809	CC	AA	AA	INTERGENIC		
SNP_17942B_27928844	Ca_Kabuli_Chr04	NC_021163.1	27928844	TT	CC	CC	INTERGENIC		
SNP_17943B_27928869	Ca_Kabuli_Chr04	NC_021163.1	27928869	CC	TT	TT	INTERGENIC		
SNP_17944B_27928890	Ca_Kabuli_Chr04	NC_021163.1	27928890	CC	GG	GG	INTERGENIC		
SNP_17945B_27928914	Ca_Kabuli_Chr04	NC_021163.1	27928914	TT	AA	AA	INTERGENIC		
SNP_17946B_27928930	Ca_Kabuli_Chr04	NC_021163.1	27928930	TT	GG	GG	INTERGENIC		
SNP_17947B_27928936	Ca_Kabuli_Chr04	NC_021163.1	27928936	CC	GG	GG	INTERGENIC		
SNP_17948B_27928937	Ca_Kabuli_Chr04	NC_021163.1	27928937	CC	TT	TT	INTERGENIC		
SNP_17949B_27928958	Ca_Kabuli_Chr04	NC_021163.1	27928958	AA	CC	CC	INTERGENIC		
SNP_17950B_27929961	Ca_Kabuli_Chr04	NC_021163.1	27929961	GG	TT	TT	INTERGENIC		
SNP_17951B_27930479	Ca_Kabuli_Chr04	NC_021163.1	27930479	TT	CC	CC	INTERGENIC		
SNP_17952B_27930489	Ca_Kabuli_Chr04	NC_021163.1	27930489	TT	CC	CC	INTERGENIC		
SNP_17953B_27930548	Ca_Kabuli_Chr04	NC_021163.1	27930548	AA	GG	GG	INTERGENIC		
SNP_17954B_27930558	Ca_Kabuli_Chr04	NC_021163.1	27930558	AA	CC	CC	INTERGENIC		
SNP_17955B_27930572	Ca_Kabuli_Chr04	NC_021163.1	27930572	TT	CC	CC	INTERGENIC		
SNP_17956B_27943511	Ca_Kabuli_Chr04	NC_021163.1	27943511	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_17957B_27943636	Ca_Kabuli_Chr04	NC_021163.1	27943636	TT	GG	GG	INTERGENIC		
SNP_17958B_27943642	Ca_Kabuli_Chr04	NC_021163.1	27943642	CC	TT	TT	INTERGENIC		
SNP_17959B_27943693	Ca_Kabuli_Chr04	NC_021163.1	27943693	TT	CC	CC	INTERGENIC		
SNP_17960B_27946409	Ca_Kabuli_Chr04	NC_021163.1	27946409	GG	TT	TT	INTERGENIC		
SNP_17961B_27946410	Ca_Kabuli_Chr04	NC_021163.1	27946410	TT	AA	AA	INTERGENIC		
SNP_17962B_27953155	Ca_Kabuli_Chr04	NC_021163.1	27953155	CC	TT	TT	INTERGENIC		
SNP_17963B_27961328	Ca_Kabuli_Chr04	NC_021163.1	27961328	TT	CC	CC	INTERGENIC		
SNP_17964B_27981651	Ca_Kabuli_Chr04	NC_021163.1	27981651	CC	TT	TT	INTERGENIC		
SNP_17965B_27983785	Ca_Kabuli_Chr04	NC_021163.1	27983785	TT	AA	AA	INTERGENIC		
SNP_17966B_27996949	Ca_Kabuli_Chr04	NC_021163.1	27996949	CC	TT	TT	INTERGENIC		
SNP_17967B_27996958	Ca_Kabuli_Chr04	NC_021163.1	27996958	CC	AA	AA	INTERGENIC		
SNP_17968B_27997226	Ca_Kabuli_Chr04	NC_021163.1	27997226	CC	AA	AA	INTERGENIC		
SNP_17969B_27997230	Ca_Kabuli_Chr04	NC_021163.1	27997230	CC	TT	TT	INTERGENIC		
SNP_17970B_27997235	Ca_Kabuli_Chr04	NC_021163.1	27997235	CC	TT	TT	INTERGENIC		
SNP_17971B_27997243	Ca_Kabuli_Chr04	NC_021163.1	27997243	AA	TT	TT	INTERGENIC		
SNP_17972B_27997335	Ca_Kabuli_Chr04	NC_021163.1	27997335	CC	TT	TT	INTERGENIC		
SNP_17973B_27997512	Ca_Kabuli_Chr04	NC_021163.1	27997512	AA	CC	CC	INTERGENIC		
SNP_17974B_27997527	Ca_Kabuli_Chr04	NC_021163.1	27997527	CC	TT	TT	INTERGENIC		
SNP_17975B_27997536	Ca_Kabuli_Chr04	NC_021163.1	27997536	AA	TT	TT	INTERGENIC		
SNP_17976B_27997538	Ca_Kabuli_Chr04	NC_021163.1	27997538	TT	GG	GG	INTERGENIC		
SNP_17977B_27997595	Ca_Kabuli_Chr04	NC_021163.1	27997595	AA	GG	GG	INTERGENIC		
SNP_17978B_28013415	Ca_Kabuli_Chr04	NC_021163.1	28013415	GG	AA	AA	INTERGENIC		
SNP_17979B_28013429	Ca_Kabuli_Chr04	NC_021163.1	28013429	AA	TT	TT	INTERGENIC		
SNP_17980B_28013475	Ca_Kabuli_Chr04	NC_021163.1	28013475	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_17981B_28018945	Ca_Kabuli_Chr04	NC_021163.1	28018945	CC	TT	TT	INTERGENIC		
SNP_17982B_28018969	Ca_Kabuli_Chr04	NC_021163.1	28018969	AA	GG	GG	INTERGENIC		
SNP_17983B_28019093	Ca_Kabuli_Chr04	NC_021163.1	28019093	AA	TT	TT	INTERGENIC		
SNP_17984B_28019097	Ca_Kabuli_Chr04	NC_021163.1	28019097	TT	AA	AA	INTERGENIC		
SNP_17985B_28020569	Ca_Kabuli_Chr04	NC_021163.1	28020569	TT	GG	GG	INTERGENIC		
SNP_17987B_28020589	Ca_Kabuli_Chr04	NC_021163.1	28020589	GG	AA	AA	INTERGENIC		
SNP_17988B_28020591	Ca_Kabuli_Chr04	NC_021163.1	28020591	CC	TT	TT	INTERGENIC		
SNP_17989B_28026351	Ca_Kabuli_Chr04	NC_021163.1	28026351	GG	AA	AA	INTERGENIC		
SNP_17992B_28026893	Ca_Kabuli_Chr04	NC_021163.1	28026893	GG	TT	TT	INTERGENIC		
SNP_17993B_28027167	Ca_Kabuli_Chr04	NC_021163.1	28027167	GG	TT	TT	INTERGENIC		
SNP_17994B_28027209	Ca_Kabuli_Chr04	NC_021163.1	28027209	GG	AA	AA	INTERGENIC		
SNP_17995B_28027233	Ca_Kabuli_Chr04	NC_021163.1	28027233	TT	GG	GG	INTERGENIC		
SNP_17996B_28035330	Ca_Kabuli_Chr04	NC_021163.1	28035330	AA	TT	TT	INTERGENIC		
SNP_17997B_28049613	Ca_Kabuli_Chr04	NC_021163.1	28049613	CC	AA	AA	INTERGENIC		
SNP_17998B_28049938	Ca_Kabuli_Chr04	NC_021163.1	28049938	GG	TT	TT	INTERGENIC		
SNP_17999B_28050985	Ca_Kabuli_Chr04	NC_021163.1	28050985	GG	AA	AA	INTERGENIC		
SNP_18000B_28050989	Ca_Kabuli_Chr04	NC_021163.1	28050989	GG	AA	AA	INTERGENIC		
SNP_18001B_28051043	Ca_Kabuli_Chr04	NC_021163.1	28051043	CC	TT	TT	INTERGENIC		
SNP_18002B_28056742	Ca_Kabuli_Chr04	NC_021163.1	28056742	AA	GG	GG	INTERGENIC		
SNP_18003B_28066548	Ca_Kabuli_Chr04	NC_021163.1	28066548	GG	AA	AA	SYNONYMOUS_CODING	101498939	Unknown function
SNP_18004B_28074708	Ca_Kabuli_Chr04	NC_021163.1	28074708	CC	TT	TT	INTERGENIC		
SNP_18005B_28089178	Ca_Kabuli_Chr04	NC_021163.1	28089178	GG	AA	AA	INTERGENIC		
SNP_18006B_28101408	Ca_Kabuli_Chr04	NC_021163.1	28101408	GG	AA	AA	INTRON	101499265	uncharacterized LOC101499265
SNP_18007B_28101520	Ca_Kabuli_Chr04	NC_021163.1	28101520	CC	AA	AA	INTRON	101499265	uncharacterized LOC101499265

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_18008B_28106442	Ca_Kabuli_Chr04	NC_021163.1	28106442	TT	AA	AA	INTERGENIC		
SNP_18009B_28112743	Ca_Kabuli_Chr04	NC_021163.1	28112743	TT	AA	AA	INTRON	101499584	Unknown function
SNP_18010B_28119542	Ca_Kabuli_Chr04	NC_021163.1	28119542	CC	TT	TT	INTERGENIC		
SNP_18011B_28122090	Ca_Kabuli_Chr04	NC_021163.1	28122090	TT	CC	CC	INTERGENIC		
SNP_18013B_28139838	Ca_Kabuli_Chr04	NC_021163.1	28139838	TT	CC	CC	INTERGENIC		
SNP_18014B_28139930	Ca_Kabuli_Chr04	NC_021163.1	28139930	CC	AA	AA	INTERGENIC		
SNP_18015B_28139968	Ca_Kabuli_Chr04	NC_021163.1	28139968	GG	TT	TT	INTERGENIC		
SNP_18016B_28140004	Ca_Kabuli_Chr04	NC_021163.1	28140004	TT	CC	CC	INTERGENIC		
SNP_18017B_28140051	Ca_Kabuli_Chr04	NC_021163.1	28140051	CC	GG	GG	INTERGENIC		
SNP_18018B_28140073	Ca_Kabuli_Chr04	NC_021163.1	28140073	AA	GG	GG	INTERGENIC		
SNP_18019B_28140226	Ca_Kabuli_Chr04	NC_021163.1	28140226	AA	GG	GG	INTERGENIC		
SNP_18020B_28140234	Ca_Kabuli_Chr04	NC_021163.1	28140234	GG	AA	AA	INTERGENIC		
SNP_18021B_28140276	Ca_Kabuli_Chr04	NC_021163.1	28140276	GG	AA	AA	INTERGENIC		
SNP_18022B_28140281	Ca_Kabuli_Chr04	NC_021163.1	28140281	AA	CC	CC	INTERGENIC		
SNP_18023B_28140331	Ca_Kabuli_Chr04	NC_021163.1	28140331	TT	CC	CC	INTERGENIC		
SNP_18024B_28140376	Ca_Kabuli_Chr04	NC_021163.1	28140376	CC	TT	TT	INTERGENIC		
SNP_18025B_28148272	Ca_Kabuli_Chr04	NC_021163.1	28148272	AA	GG	GG	DRR	101495878	Unknown function
SNP_18027B_28150522	Ca_Kabuli_Chr04	NC_021163.1	28150522	GG	AA	AA	URR	101495878	Unknown function
SNP_18028B_28150612	Ca_Kabuli_Chr04	NC_021163.1	28150612	AA	GG	GG	URR	101495878	Unknown function
SNP_18029B_28151113	Ca_Kabuli_Chr04	NC_021163.1	28151113	TT	CC	CC	INTERGENIC		
SNP_18030B_28151240	Ca_Kabuli_Chr04	NC_021163.1	28151240	AA	GG	GG	INTERGENIC		
SNP_18031B_28151526	Ca_Kabuli_Chr04	NC_021163.1	28151526	TT	CC	CC	INTERGENIC		
SNP_18032B_28151537	Ca_Kabuli_Chr04	NC_021163.1	28151537	AA	GG	GG	INTERGENIC		
SNP_18033B_28151729	Ca_Kabuli_Chr04	NC_021163.1	28151729	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_18034B_28152028	Ca_Kabuli_Chr04	NC_021163.1	28152028	GG	AA	AA	INTERGENIC		
SNP_18035B_28152276	Ca_Kabuli_Chr04	NC_021163.1	28152276	CC	AA	AA	INTERGENIC		
SNP_18037B_28152462	Ca_Kabuli_Chr04	NC_021163.1	28152462	GG	CC	CC	INTERGENIC		
SNP_18039B_28153271	Ca_Kabuli_Chr04	NC_021163.1	28153271	CC	TT	TT	INTERGENIC		
SNP_18040B_28168679	Ca_Kabuli_Chr04	NC_021163.1	28168679	CC	AA	AA	INTERGENIC		
SNP_18042B_28169227	Ca_Kabuli_Chr04	NC_021163.1	28169227	AA	TT	TT	INTERGENIC		
SNP_18043B_28169750	Ca_Kabuli_Chr04	NC_021163.1	28169750	GG	CC	CC	INTERGENIC		
SNP_18044B_28171545	Ca_Kabuli_Chr04	NC_021163.1	28171545	GG	AA	AA	INTERGENIC		
SNP_18045B_28172236	Ca_Kabuli_Chr04	NC_021163.1	28172236	TT	AA	AA	INTERGENIC		
SNP_18046B_28174753	Ca_Kabuli_Chr04	NC_021163.1	28174753	GG	TT	TT	INTERGENIC		
SNP_18047B_28179156	Ca_Kabuli_Chr04	NC_021163.1	28179156	CC	GG	GG	INTERGENIC		
SNP_18048B_28180218	Ca_Kabuli_Chr04	NC_021163.1	28180218	GG	TT	TT	INTERGENIC		
SNP_18049B_28181787	Ca_Kabuli_Chr04	NC_021163.1	28181787	TT	CC	CC	INTERGENIC		
SNP_18051B_28209975	Ca_Kabuli_Chr04	NC_021163.1	28209975	AA	TT	TT	INTERGENIC		
SNP_18053B_28213858	Ca_Kabuli_Chr04	NC_021163.1	28213858	CC	TT	TT	INTERGENIC		
SNP_18054B_28214236	Ca_Kabuli_Chr04	NC_021163.1	28214236	TT	CC	CC	INTERGENIC		
SNP_18055B_28234778	Ca_Kabuli_Chr04	NC_021163.1	28234778	GG	TT	TT	INTERGENIC		
SNP_18056B_28234794	Ca_Kabuli_Chr04	NC_021163.1	28234794	GG	AA	AA	INTERGENIC		
SNP_18057B_28234809	Ca_Kabuli_Chr04	NC_021163.1	28234809	TT	AA	AA	INTERGENIC		
SNP_18058B_28236940	Ca_Kabuli_Chr04	NC_021163.1	28236940	CC	AA	AA	INTERGENIC		
SNP_18059B_28236953	Ca_Kabuli_Chr04	NC_021163.1	28236953	GG	AA	AA	INTERGENIC		
SNP_18061B_28266562	Ca_Kabuli_Chr04	NC_021163.1	28266562	TT	AA	AA	DRR	101501179	Unknown function
SNP_18062B_28266960	Ca_Kabuli_Chr04	NC_021163.1	28266960	AA	GG	GG	DRR	101501179	Unknown function
SNP_18063B_28267062	Ca_Kabuli_Chr04	NC_021163.1	28267062	AA	TT	TT	DRR	101501179	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_18064B_28267527	Ca_Kabuli_Chr04	NC_021163.1	28267527	CC	TT	TT	SYNONYMOUS_CODING	101501179	Unknown function
SNP_18065B_28277758	Ca_Kabuli_Chr04	NC_021163.1	28277758	CC	TT	TT	DRR	101496537	serine/threonine-protein phosphatase PP1-like
SNP_18066B_28281363	Ca_Kabuli_Chr04	NC_021163.1	28281363	AA	GG	GG	INTRON	101496537	serine/threonine-protein phosphatase PP1-like
SNP_18067B_28281392	Ca_Kabuli_Chr04	NC_021163.1	28281392	CC	GG	GG	INTRON	101496537	serine/threonine-protein phosphatase PP1-like
SNP_18068B_28281396	Ca_Kabuli_Chr04	NC_021163.1	28281396	CC	TT	TT	INTRON	101496537	serine/threonine-protein phosphatase PP1-like
SNP_18069B_28281403	Ca_Kabuli_Chr04	NC_021163.1	28281403	TT	CC	CC	INTRON	101496537	serine/threonine-protein phosphatase PP1-like
SNP_18073B_28286128	Ca_Kabuli_Chr04	NC_021163.1	28286128	GG	AA	AA	INTERGENIC		
SNP_18074B_28287937	Ca_Kabuli_Chr04	NC_021163.1	28287937	TT	GG	GG	INTERGENIC		
SNP_18075B_28288201	Ca_Kabuli_Chr04	NC_021163.1	28288201	TT	CC	CC	INTERGENIC		
SNP_18076B_28297906	Ca_Kabuli_Chr04	NC_021163.1	28297906	CC	AA	AA	DRR	101497071	probable inorganic phosphate transporter 1-3
SNP_18077B_28297909	Ca_Kabuli_Chr04	NC_021163.1	28297909	AA	TT	TT	DRR	101497071	probable inorganic phosphate transporter 1-3
SNP_18079B_28315035	Ca_Kabuli_Chr04	NC_021163.1	28315035	AA	GG	GG	INTERGENIC		
SNP_18080B_28315240	Ca_Kabuli_Chr04	NC_021163.1	28315240	AA	GG	GG	INTERGENIC		
SNP_18081B_28315574	Ca_Kabuli_Chr04	NC_021163.1	28315574	TT	GG	GG	INTERGENIC		
SNP_18082B_28316972	Ca_Kabuli_Chr04	NC_021163.1	28316972	GG	CC	CC	INTERGENIC		
SNP_18084B_28322708	Ca_Kabuli_Chr04	NC_021163.1	28322708	CC	TT	TT	INTERGENIC		
SNP_18085B_28337359	Ca_Kabuli_Chr04	NC_021163.1	28337359	TT	CC	CC	INTERGENIC		
SNP_18086B_28337372	Ca_Kabuli_Chr04	NC_021163.1	28337372	CC	TT	TT	INTERGENIC		
SNP_18088B_28340316	Ca_Kabuli_Chr04	NC_021163.1	28340316	CC	TT	TT	INTERGENIC		
SNP_18089B_28340335	Ca_Kabuli_Chr04	NC_021163.1	28340335	GG	AA	AA	INTERGENIC		
SNP_18090B_28344282	Ca_Kabuli_Chr04	NC_021163.1	28344282	GG	TT	TT	INTERGENIC		
SNP_18091B_28344284	Ca_Kabuli_Chr04	NC_021163.1	28344284	CC	TT	TT	INTERGENIC		
SNP_18094B_28346711	Ca_Kabuli_Chr04	NC_021163.1	28346711	AA	TT	TT	INTERGENIC		
SNP_18095B_28346962	Ca_Kabuli_Chr04	NC_021163.1	28346962	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_18096B_28349180	Ca_Kabuli_Chr04	NC_021163.1	28349180	CC	AA	AA	INTERGENIC		
SNP_18097B_28349385	Ca_Kabuli_Chr04	NC_021163.1	28349385	CC	GG	GG	INTERGENIC		
SNP_18098B_28349482	Ca_Kabuli_Chr04	NC_021163.1	28349482	CC	AA	AA	INTERGENIC		
SNP_18099B_28349499	Ca_Kabuli_Chr04	NC_021163.1	28349499	AA	CC	CC	INTERGENIC		
SNP_18100B_28354336	Ca_Kabuli_Chr04	NC_021163.1	28354336	TT	CC	CC	INTERGENIC		
SNP_18101B_28356042	Ca_Kabuli_Chr04	NC_021163.1	28356042	GG	AA	AA	INTERGENIC		
SNP_18102B_28356832	Ca_Kabuli_Chr04	NC_021163.1	28356832	GG	AA	AA	INTERGENIC		
SNP_18103B_28356833	Ca_Kabuli_Chr04	NC_021163.1	28356833	GG	TT	TT	INTERGENIC		
SNP_18105B_28371020	Ca_Kabuli_Chr04	NC_021163.1	28371020	GG	AA	AA	INTERGENIC		
SNP_18106B_28373696	Ca_Kabuli_Chr04	NC_021163.1	28373696	CC	TT	TT	INTERGENIC		
SNP_18107B_28377498	Ca_Kabuli_Chr04	NC_021163.1	28377498	TT	CC	CC	NON_SYNONYMOUS_CODING	101498271	malate dehydrogenase, cytoplasmic-like
SNP_18108B_28377513	Ca_Kabuli_Chr04	NC_021163.1	28377513	CC	TT	TT	NON_SYNONYMOUS_CODING	101498271	malate dehydrogenase, cytoplasmic-like
SNP_18109B_28377785	Ca_Kabuli_Chr04	NC_021163.1	28377785	AA	TT	TT	INTRON	101498271	malate dehydrogenase, cytoplasmic-like
SNP_18110B_28378478	Ca_Kabuli_Chr04	NC_021163.1	28378478	AA	GG	GG	INTRON	101498271	malate dehydrogenase, cytoplasmic-like
SNP_18111B_28390147	Ca_Kabuli_Chr04	NC_021163.1	28390147	GG	AA	AA	INTERGENIC		
SNP_18112B_28390149	Ca_Kabuli_Chr04	NC_021163.1	28390149	GG	AA	AA	INTERGENIC		
SNP_18113B_28390163	Ca_Kabuli_Chr04	NC_021163.1	28390163	GG	AA	AA	INTERGENIC		
SNP_18114B_28390231	Ca_Kabuli_Chr04	NC_021163.1	28390231	TT	CC	CC	INTERGENIC		
SNP_18116B_28390285	Ca_Kabuli_Chr04	NC_021163.1	28390285	TT	CC	CC	INTERGENIC		
SNP_18117B_28390394	Ca_Kabuli_Chr04	NC_021163.1	28390394	GG	TT	TT	INTERGENIC		
SNP_18118B_28390410	Ca_Kabuli_Chr04	NC_021163.1	28390410	GG	AA	AA	INTERGENIC		
SNP_18120B_28390674	Ca_Kabuli_Chr04	NC_021163.1	28390674	GG	AA	AA	INTERGENIC		
SNP_18121B_28390675	Ca_Kabuli_Chr04	NC_021163.1	28390675	GG	AA	AA	INTERGENIC		
SNP_18122B_28390682	Ca_Kabuli_Chr04	NC_021163.1	28390682	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_18123B_28390697	Ca_Kabuli_Chr04	NC_021163.1	28390697	CC	AA	AA	INTERGENIC		
SNP_18124B_28403280	Ca_Kabuli_Chr04	NC_021163.1	28403280	CC	TT	TT	INTERGENIC		
SNP_18125B_28406987	Ca_Kabuli_Chr04	NC_021163.1	28406987	GG	TT	TT	INTERGENIC		
SNP_18126B_28407190	Ca_Kabuli_Chr04	NC_021163.1	28407190	CC	AA	AA	INTERGENIC		
SNP_18127B_28407560	Ca_Kabuli_Chr04	NC_021163.1	28407560	AA	CC	CC	INTERGENIC		
SNP_18129B_28410000	Ca_Kabuli_Chr04	NC_021163.1	28410000	GG	TT	TT	INTERGENIC		
SNP_18130B_28410050	Ca_Kabuli_Chr04	NC_021163.1	28410050	TT	CC	CC	INTERGENIC		
SNP_18131B_28410349	Ca_Kabuli_Chr04	NC_021163.1	28410349	AA	TT	TT	INTERGENIC		
SNP_18132B_28412556	Ca_Kabuli_Chr04	NC_021163.1	28412556	AA	CC	CC	INTERGENIC		
SNP_18133B_28413212	Ca_Kabuli_Chr04	NC_021163.1	28413212	GG	AA	AA	INTERGENIC		
SNP_18134B_28413277	Ca_Kabuli_Chr04	NC_021163.1	28413277	AA	TT	TT	INTERGENIC		
SNP_18135B_28413297	Ca_Kabuli_Chr04	NC_021163.1	28413297	TT	AA	AA	INTERGENIC		
SNP_18136B_28415392	Ca_Kabuli_Chr04	NC_021163.1	28415392	TT	CC	CC	INTERGENIC		
SNP_18137B_28415403	Ca_Kabuli_Chr04	NC_021163.1	28415403	GG	AA	AA	INTERGENIC		
SNP_18138B_28417868	Ca_Kabuli_Chr04	NC_021163.1	28417868	AA	GG	GG	INTERGENIC		
SNP_18139B_28418142	Ca_Kabuli_Chr04	NC_021163.1	28418142	CC	TT	TT	INTERGENIC		
SNP_18141B_28428249	Ca_Kabuli_Chr04	NC_021163.1	28428249	GG	AA	AA	SYNONYMOUS_CODING	101502133	uncharacterized LOC101502133
SNP_18142B_28451820	Ca_Kabuli_Chr04	NC_021163.1	28451820	CC	TT	TT	INTERGENIC		
SNP_18143B_28451839	Ca_Kabuli_Chr04	NC_021163.1	28451839	TT	AA	AA	INTERGENIC		
SNP_18145B_28457925	Ca_Kabuli_Chr04	NC_021163.1	28457925	GG	AA	AA	INTERGENIC		
SNP_18146B_28484288	Ca_Kabuli_Chr04	NC_021163.1	28484288	CC	AA	AA	INTERGENIC		
SNP_18147B_28505701	Ca_Kabuli_Chr04	NC_021163.1	28505701	TT	CC	CC	INTERGENIC		
SNP_18148B_28525317	Ca_Kabuli_Chr04	NC_021163.1	28525317	AA	TT	TT	INTERGENIC		
SNP_18149B_28525892	Ca_Kabuli_Chr04	NC_021163.1	28525892	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_18150B_28533639	Ca_Kabuli_Chr04	NC_021163.1	28533639	TT	CC	CC	INTERGENIC		
SNP_18152B_28542290	Ca_Kabuli_Chr04	NC_021163.1	28542290	AA	GG	GG	INTERGENIC		
SNP_18153B_28549398	Ca_Kabuli_Chr04	NC_021163.1	28549398	AA	TT	TT	INTRON	101502755	bet1-like SNARE 1-2
SNP_18154B_28550613	Ca_Kabuli_Chr04	NC_021163.1	28550613	CC	GG	GG	INTRON	101502755	bet1-like SNARE 1-2
SNP_18156B_28559494	Ca_Kabuli_Chr04	NC_021163.1	28559494	AA	CC	CC	INTERGENIC		
SNP_18157B_28563893	Ca_Kabuli_Chr04	NC_021163.1	28563893	GG	AA	AA	INTERGENIC		
SNP_18158B_28564203	Ca_Kabuli_Chr04	NC_021163.1	28564203	TT	GG	GG	INTERGENIC		
SNP_18159B_28582950	Ca_Kabuli_Chr04	NC_021163.1	28582950	AA	TT	TT	INTERGENIC		
SNP_18160B_28582952	Ca_Kabuli_Chr04	NC_021163.1	28582952	GG	AA	AA	INTERGENIC		
SNP_18161B_28585654	Ca_Kabuli_Chr04	NC_021163.1	28585654	TT	AA	AA	INTERGENIC		
SNP_18162B_28588430	Ca_Kabuli_Chr04	NC_021163.1	28588430	AA	GG	GG	INTERGENIC		
SNP_18163B_28591327	Ca_Kabuli_Chr04	NC_021163.1	28591327	GG	AA	AA	INTERGENIC		
SNP_18164B_28600438	Ca_Kabuli_Chr04	NC_021163.1	28600438	GG	TT	TT	INTERGENIC		
SNP_18165B_28629497	Ca_Kabuli_Chr04	NC_021163.1	28629497	AA	GG	GG	INTERGENIC		
SNP_18166B_28630055	Ca_Kabuli_Chr04	NC_021163.1	28630055	TT	AA	AA	INTERGENIC		
SNP_18167B_28631070	Ca_Kabuli_Chr04	NC_021163.1	28631070	AA	GG	GG	INTERGENIC		
SNP_18168B_28639974	Ca_Kabuli_Chr04	NC_021163.1	28639974	GG	TT	TT	INTERGENIC		
SNP_18169B_28640117	Ca_Kabuli_Chr04	NC_021163.1	28640117	GG	AA	AA	INTERGENIC		
SNP_18170B_28640374	Ca_Kabuli_Chr04	NC_021163.1	28640374	CC	TT	TT	INTERGENIC		
SNP_18171B_28642096	Ca_Kabuli_Chr04	NC_021163.1	28642096	CC	TT	TT	INTERGENIC		
SNP_18172B_28663633	Ca_Kabuli_Chr04	NC_021163.1	28663633	AA	TT	TT	INTERGENIC		
SNP_18173B_28663976	Ca_Kabuli_Chr04	NC_021163.1	28663976	GG	AA	AA	INTERGENIC		
SNP_18174B_28668069	Ca_Kabuli_Chr04	NC_021163.1	28668069	AA	TT	TT	INTERGENIC		
SNP_18175B_28668072	Ca_Kabuli_Chr04	NC_021163.1	28668072	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_18177B_28714888	Ca_Kabuli_Chr04	NC_021163.1	28714888	CC	AA	AA	INTERGENIC		
SNP_18178B_28714936	Ca_Kabuli_Chr04	NC_021163.1	28714936	AA	GG	GG	INTERGENIC		
SNP_18179B_28714938	Ca_Kabuli_Chr04	NC_021163.1	28714938	CC	TT	TT	INTERGENIC		
SNP_18180B_28714941	Ca_Kabuli_Chr04	NC_021163.1	28714941	CC	TT	TT	INTERGENIC		
SNP_18181B_28714950	Ca_Kabuli_Chr04	NC_021163.1	28714950	CC	TT	TT	INTERGENIC		
SNP_18182B_28714986	Ca_Kabuli_Chr04	NC_021163.1	28714986	GG	AA	AA	INTERGENIC		
SNP_18184B_28715024	Ca_Kabuli_Chr04	NC_021163.1	28715024	GG	AA	AA	INTERGENIC		
SNP_18185B_28715129	Ca_Kabuli_Chr04	NC_021163.1	28715129	CC	TT	TT	INTERGENIC		
SNP_18187B_28727151	Ca_Kabuli_Chr04	NC_021163.1	28727151	TT	AA	AA	INTERGENIC		
SNP_18188B_28783956	Ca_Kabuli_Chr04	NC_021163.1	28783956	CC	AA	AA	INTERGENIC		
SNP_18190B_28800831	Ca_Kabuli_Chr04	NC_021163.1	28800831	TT	AA	AA	INTERGENIC		
SNP_18191B_28800834	Ca_Kabuli_Chr04	NC_021163.1	28800834	GG	TT	TT	INTERGENIC		
SNP_18192B_28806709	Ca_Kabuli_Chr04	NC_021163.1	28806709	CC	TT	TT	INTERGENIC		
SNP_18193B_28822111	Ca_Kabuli_Chr04	NC_021163.1	28822111	CC	TT	TT	INTERGENIC		
SNP_18195B_28825201	Ca_Kabuli_Chr04	NC_021163.1	28825201	AA	CC	CC	INTERGENIC		
SNP_18196B_28825980	Ca_Kabuli_Chr04	NC_021163.1	28825980	CC	TT	TT	INTERGENIC		
SNP_18197B_28830289	Ca_Kabuli_Chr04	NC_021163.1	28830289	AA	GG	GG	INTERGENIC		
SNP_18199B_28842263	Ca_Kabuli_Chr04	NC_021163.1	28842263	AA	GG	GG	INTERGENIC		
SNP_18200B_28842278	Ca_Kabuli_Chr04	NC_021163.1	28842278	GG	AA	AA	INTERGENIC		
SNP_18201B_28848599	Ca_Kabuli_Chr04	NC_021163.1	28848599	AA	TT	TT	INTERGENIC		
SNP_18202B_28849982	Ca_Kabuli_Chr04	NC_021163.1	28849982	AA	GG	GG	INTERGENIC		
SNP_18203B_28862838	Ca_Kabuli_Chr04	NC_021163.1	28862838	AA	GG	GG	DRR	101508550	uncharacterized LOC101508550
SNP_18204B_28886259	Ca_Kabuli_Chr04	NC_021163.1	28886259	TT	CC	CC	INTERGENIC		
SNP_18205B_28887325	Ca_Kabuli_Chr04	NC_021163.1	28887325	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_18206B_28887375	Ca_Kabuli_Chr04	NC_021163.1	28887375	GG	TT	TT	INTERGENIC		
SNP_18207B_28900350	Ca_Kabuli_Chr04	NC_021163.1	28900350	GG	AA	AA	NON_SYNONYMOUS_CODING	101508868	probable polygalacturonase At3g15720
SNP_18208B_28900358	Ca_Kabuli_Chr04	NC_021163.1	28900358	CC	TT	TT	NON_SYNONYMOUS_CODING	101508868	probable polygalacturonase At3g15720
SNP_18209B_28922045	Ca_Kabuli_Chr04	NC_021163.1	28922045	CC	TT	TT	INTERGENIC		
SNP_18211B_28953597	Ca_Kabuli_Chr04	NC_021163.1	28953597	TT	CC	CC	INTERGENIC		
SNP_18212B_28981315	Ca_Kabuli_Chr04	NC_021163.1	28981315	GG	TT	TT	INTERGENIC		
SNP_18213B_28981396	Ca_Kabuli_Chr04	NC_021163.1	28981396	CC	TT	TT	INTERGENIC		
SNP_18214B_28981476	Ca_Kabuli_Chr04	NC_021163.1	28981476	CC	TT	TT	INTERGENIC		
SNP_18215B_28982860	Ca_Kabuli_Chr04	NC_021163.1	28982860	TT	CC	CC	INTERGENIC		
SNP_18216B_28982883	Ca_Kabuli_Chr04	NC_021163.1	28982883	TT	CC	CC	INTERGENIC		
SNP_18217B_28986929	Ca_Kabuli_Chr04	NC_021163.1	28986929	TT	CC	CC	INTERGENIC		
SNP_18218B_28988612	Ca_Kabuli_Chr04	NC_021163.1	28988612	TT	GG	GG	INTERGENIC		
SNP_18219B_28988648	Ca_Kabuli_Chr04	NC_021163.1	28988648	TT	CC	CC	INTERGENIC		
SNP_18220B_28991647	Ca_Kabuli_Chr04	NC_021163.1	28991647	GG	CC	CC	INTRON	101506306	probable methyltransferase PMT3
SNP_18222B_29007994	Ca_Kabuli_Chr04	NC_021163.1	29007994	GG	AA	AA	INTERGENIC		
SNP_18223B_29008004	Ca_Kabuli_Chr04	NC_021163.1	29008004	GG	AA	AA	INTERGENIC		
SNP_18224B_29008029	Ca_Kabuli_Chr04	NC_021163.1	29008029	GG	AA	AA	INTERGENIC		
SNP_18226B_29028279	Ca_Kabuli_Chr04	NC_021163.1	29028279	TT	CC	CC	INTERGENIC		
SNP_18227B_29037749	Ca_Kabuli_Chr04	NC_021163.1	29037749	TT	GG	GG	DRR	101506852	protein LIGHT-DEPENDENT SHORT HYPOCOTYLS 4-like
SNP_18228B_29037854	Ca_Kabuli_Chr04	NC_021163.1	29037854	GG	AA	AA	DRR	101506852	protein LIGHT-DEPENDENT SHORT HYPOCOTYLS 4-like
SNP_18229B_29053711	Ca_Kabuli_Chr04	NC_021163.1	29053711	TT	AA	AA	INTERGENIC		
SNP_18230B_29053891	Ca_Kabuli_Chr04	NC_021163.1	29053891	AA	GG	GG	INTERGENIC		
SNP_18231B_29054169	Ca_Kabuli_Chr04	NC_021163.1	29054169	AA	CC	CC	INTERGENIC		
SNP_18232B_29072255	Ca_Kabuli_Chr04	NC_021163.1	29072255	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_18233B_29072275	Ca_Kabuli_Chr04	NC_021163.1	29072275	AA	CC	CC	INTERGENIC		
SNP_18234B_29091704	Ca_Kabuli_Chr04	NC_021163.1	29091704	CC	TT	TT	DRR	101507914	aldo-keto reductase
SNP_18235B_29091854	Ca_Kabuli_Chr04	NC_021163.1	29091854	TT	CC	CC	DRR	101507914	aldo-keto reductase
SNP_18236B_29100485	Ca_Kabuli_Chr04	NC_021163.1	29100485	AA	GG	GG	INTERGENIC		
SNP_18238B_29100876	Ca_Kabuli_Chr04	NC_021163.1	29100876	AA	GG	GG	INTERGENIC		
SNP_18239B_29100999	Ca_Kabuli_Chr04	NC_021163.1	29100999	TT	CC	CC	INTERGENIC		
SNP_18240B_29110761	Ca_Kabuli_Chr04	NC_021163.1	29110761	AA	CC	CC	INTERGENIC		
SNP_18241B_29112069	Ca_Kabuli_Chr04	NC_021163.1	29112069	GG	CC	CC	INTERGENIC		
SNP_18242B_29112084	Ca_Kabuli_Chr04	NC_021163.1	29112084	GG	AA	AA	INTERGENIC		
SNP_18243B_29117691	Ca_Kabuli_Chr04	NC_021163.1	29117691	GG	TT	TT	INTERGENIC		
SNP_18244B_29121102	Ca_Kabuli_Chr04	NC_021163.1	29121102	AA	GG	GG	INTERGENIC		
SNP_18245B_29121131	Ca_Kabuli_Chr04	NC_021163.1	29121131	AA	TT	TT	INTERGENIC		
SNP_18246B_29121161	Ca_Kabuli_Chr04	NC_021163.1	29121161	GG	AA	AA	INTERGENIC		
SNP_18247B_29124190	Ca_Kabuli_Chr04	NC_021163.1	29124190	CC	TT	TT	INTERGENIC		
SNP_18248B_29156352	Ca_Kabuli_Chr04	NC_021163.1	29156352	CC	TT	TT	DRR	101509190	AT-hook motif nuclear-localized protein 16-like
SNP_18249B_29156376	Ca_Kabuli_Chr04	NC_021163.1	29156376	AA	TT	TT	DRR	101509190	AT-hook motif nuclear-localized protein 16-like
SNP_18251B_29158389	Ca_Kabuli_Chr04	NC_021163.1	29158389	GG	AA	AA	URR	101509190	AT-hook motif nuclear-localized protein 16-like
SNP_18252B_29158392	Ca_Kabuli_Chr04	NC_021163.1	29158392	CC	TT	TT	URR	101509190	AT-hook motif nuclear-localized protein 16-like
SNP_18253B_29163115	Ca_Kabuli_Chr04	NC_021163.1	29163115	AA	GG	GG	INTERGENIC		
SNP_18254B_29176336	Ca_Kabuli_Chr04	NC_021163.1	29176336	AA	TT	TT	INTERGENIC		
SNP_18256B_29202635	Ca_Kabuli_Chr04	NC_021163.1	29202635	CC	TT	TT	INTERGENIC		
SNP_18257B_29202638	Ca_Kabuli_Chr04	NC_021163.1	29202638	GG	AA	AA	INTERGENIC		
SNP_18258B_29208387	Ca_Kabuli_Chr04	NC_021163.1	29208387	AA	TT	TT	INTERGENIC		
SNP_18259B_29208410	Ca_Kabuli_Chr04	NC_021163.1	29208410	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_18260B_29208444	Ca_Kabuli_Chr04	NC_021163.1	29208444	TT	CC	CC	INTERGENIC		
SNP_18262B_29211164	Ca_Kabuli_Chr04	NC_021163.1	29211164	AA	CC	CC	INTERGENIC		
SNP_18263B_29211507	Ca_Kabuli_Chr04	NC_021163.1	29211507	TT	AA	AA	INTERGENIC		
SNP_18264B_29211556	Ca_Kabuli_Chr04	NC_021163.1	29211556	CC	AA	AA	INTERGENIC		
SNP_18265B_29220553	Ca_Kabuli_Chr04	NC_021163.1	29220553	AA	GG	GG	INTERGENIC		
SNP_18266B_29220937	Ca_Kabuli_Chr04	NC_021163.1	29220937	AA	GG	GG	INTERGENIC		
SNP_18268B_29225997	Ca_Kabuli_Chr04	NC_021163.1	29225997	CC	AA	AA	INTERGENIC		
SNP_18269B_29226167	Ca_Kabuli_Chr04	NC_021163.1	29226167	CC	AA	AA	INTERGENIC		
SNP_18270B_29226644	Ca_Kabuli_Chr04	NC_021163.1	29226644	AA	GG	GG	INTERGENIC		
SNP_18271B_29226681	Ca_Kabuli_Chr04	NC_021163.1	29226681	CC	TT	TT	INTERGENIC		
SNP_18272B_29237381	Ca_Kabuli_Chr04	NC_021163.1	29237381	GG	AA	AA	INTERGENIC		
SNP_18273B_29239483	Ca_Kabuli_Chr04	NC_021163.1	29239483	TT	GG	GG	INTERGENIC		
SNP_18276B_29264236	Ca_Kabuli_Chr04	NC_021163.1	29264236	TT	CC	CC	INTERGENIC		
SNP_18277B_29265484	Ca_Kabuli_Chr04	NC_021163.1	29265484	CC	TT	TT	INTERGENIC		
SNP_18278B_29266685	Ca_Kabuli_Chr04	NC_021163.1	29266685	GG	AA	AA	DRR	101504491	uncharacterized LOC101504491
SNP_18279B_29269481	Ca_Kabuli_Chr04	NC_021163.1	29269481	GG	AA	AA	URR	101504491	uncharacterized LOC101504491
SNP_18280B_29269506	Ca_Kabuli_Chr04	NC_021163.1	29269506	CC	AA	AA	URR	101504491	uncharacterized LOC101504491
SNP_18281B_29291902	Ca_Kabuli_Chr04	NC_021163.1	29291902	GG	AA	AA	INTERGENIC		
SNP_18282B_29314108	Ca_Kabuli_Chr04	NC_021163.1	29314108	TT	CC	CC	INTERGENIC		
SNP_18283B_29314646	Ca_Kabuli_Chr04	NC_021163.1	29314646	AA	GG	GG	INTERGENIC		
SNP_18284B_29314869	Ca_Kabuli_Chr04	NC_021163.1	29314869	TT	GG	GG	INTERGENIC		
SNP_18286B_29316127	Ca_Kabuli_Chr04	NC_021163.1	29316127	TT	CC	CC	INTERGENIC		
SNP_18287B_29316725	Ca_Kabuli_Chr04	NC_021163.1	29316725	TT	GG	GG	INTERGENIC		
SNP_18288B_29320930	Ca_Kabuli_Chr04	NC_021163.1	29320930	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_18289B_29323719	Ca_Kabuli_Chr04	NC_021163.1	29323719	CC	TT	TT	INTERGENIC		
SNP_18290B_29323996	Ca_Kabuli_Chr04	NC_021163.1	29323996	TT	CC	CC	INTERGENIC		
SNP_18291B_29325458	Ca_Kabuli_Chr04	NC_021163.1	29325458	AA	GG	GG	INTERGENIC		
SNP_18292B_29326477	Ca_Kabuli_Chr04	NC_021163.1	29326477	GG	TT	TT	INTERGENIC		
SNP_18293B_29326706	Ca_Kabuli_Chr04	NC_021163.1	29326706	CC	AA	AA	INTERGENIC		
SNP_18294B_29326725	Ca_Kabuli_Chr04	NC_021163.1	29326725	TT	CC	CC	INTERGENIC		
SNP_18295B_29326824	Ca_Kabuli_Chr04	NC_021163.1	29326824	AA	CC	CC	INTERGENIC		
SNP_18296B_29326889	Ca_Kabuli_Chr04	NC_021163.1	29326889	CC	AA	AA	INTERGENIC		
SNP_18297B_29326972	Ca_Kabuli_Chr04	NC_021163.1	29326972	GG	AA	AA	INTERGENIC		
SNP_18298B_29338382	Ca_Kabuli_Chr04	NC_021163.1	29338382	GG	AA	AA	INTERGENIC		
SNP_18299B_29343210	Ca_Kabuli_Chr04	NC_021163.1	29343210	GG	TT	TT	INTERGENIC		
SNP_18300B_29351273	Ca_Kabuli_Chr04	NC_021163.1	29351273	AA	GG	GG	INTERGENIC		
SNP_18302B_29379263	Ca_Kabuli_Chr04	NC_021163.1	29379263	CC	TT	TT	INTERGENIC		
SNP_18303B_29379295	Ca_Kabuli_Chr04	NC_021163.1	29379295	AA	CC	CC	INTERGENIC		
SNP_18304B_29391474	Ca_Kabuli_Chr04	NC_021163.1	29391474	TT	GG	GG	INTERGENIC		
SNP_18305B_29415819	Ca_Kabuli_Chr04	NC_021163.1	29415819	CC	GG	GG	URR	101505119	zinc finger protein 7-like
SNP_18306B_29416290	Ca_Kabuli_Chr04	NC_021163.1	29416290	AA	CC	CC	URR	101505119	zinc finger protein 7-like
SNP_18308B_29419929	Ca_Kabuli_Chr04	NC_021163.1	29419929	GG	AA	AA	INTERGENIC		
SNP_18309B_29419933	Ca_Kabuli_Chr04	NC_021163.1	29419933	TT	CC	CC	INTERGENIC		
SNP_18310B_29419964	Ca_Kabuli_Chr04	NC_021163.1	29419964	AA	TT	TT	INTERGENIC		
SNP_18311B_29420673	Ca_Kabuli_Chr04	NC_021163.1	29420673	TT	AA	AA	INTERGENIC		
SNP_18312B_29420674	Ca_Kabuli_Chr04	NC_021163.1	29420674	TT	AA	AA	INTERGENIC		
SNP_18313B_29420935	Ca_Kabuli_Chr04	NC_021163.1	29420935	AA	GG	GG	INTERGENIC		
SNP_18314B_29420973	Ca_Kabuli_Chr04	NC_021163.1	29420973	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_18315B_29443293	Ca_Kabuli_Chr04	NC_021163.1	29443293	GG	AA	AA	INTERGENIC		
SNP_18316B_29447793	Ca_Kabuli_Chr04	NC_021163.1	29447793	GG	AA	AA	INTERGENIC		
SNP_18317B_29453144	Ca_Kabuli_Chr04	NC_021163.1	29453144	TT	CC	CC	INTERGENIC		
SNP_18318B_29453145	Ca_Kabuli_Chr04	NC_021163.1	29453145	GG	AA	AA	INTERGENIC		
SNP_18319B_29453157	Ca_Kabuli_Chr04	NC_021163.1	29453157	TT	GG	GG	INTERGENIC		
SNP_18320B_29453208	Ca_Kabuli_Chr04	NC_021163.1	29453208	GG	AA	AA	INTERGENIC		
SNP_18321B_29466893	Ca_Kabuli_Chr04	NC_021163.1	29466893	CC	TT	TT	INTERGENIC		
SNP_18322B_29472191	Ca_Kabuli_Chr04	NC_021163.1	29472191	CC	GG	GG	DRR	101505442	28 kDa ribonucleoprotein, chloroplastic-like
SNP_18323B_29472256	Ca_Kabuli_Chr04	NC_021163.1	29472256	AA	GG	GG	DRR	101505442	28 kDa ribonucleoprotein, chloroplastic-like
SNP_18324B_29472263	Ca_Kabuli_Chr04	NC_021163.1	29472263	TT	CC	CC	DRR	101505442	28 kDa ribonucleoprotein, chloroplastic-like
SNP_18325B_29475085	Ca_Kabuli_Chr04	NC_021163.1	29475085	CC	TT	TT	URR	101505442	28 kDa ribonucleoprotein, chloroplastic-like
SNP_18326B_29475117	Ca_Kabuli_Chr04	NC_021163.1	29475117	GG	TT	TT	URR	101505442	28 kDa ribonucleoprotein, chloroplastic-like
SNP_18327B_29475408	Ca_Kabuli_Chr04	NC_021163.1	29475408	AA	GG	GG	URR	101505442	28 kDa ribonucleoprotein, chloroplastic-like
SNP_18328B_29477954	Ca_Kabuli_Chr04	NC_021163.1	29477954	GG	AA	AA	INTERGENIC		
SNP_18329B_29481187	Ca_Kabuli_Chr04	NC_021163.1	29481187	AA	CC	CC	INTERGENIC		
SNP_18330B_29481206	Ca_Kabuli_Chr04	NC_021163.1	29481206	CC	TT	TT	INTERGENIC		
SNP_18331B_29487889	Ca_Kabuli_Chr04	NC_021163.1	29487889	CC	TT	TT	INTERGENIC		
SNP_18332B_29487899	Ca_Kabuli_Chr04	NC_021163.1	29487899	GG	AA	AA	INTERGENIC		
SNP_18333B_29490800	Ca_Kabuli_Chr04	NC_021163.1	29490800	TT	AA	AA	INTERGENIC		
SNP_18334B_29490826	Ca_Kabuli_Chr04	NC_021163.1	29490826	GG	AA	AA	INTERGENIC		
SNP_18335B_29490839	Ca_Kabuli_Chr04	NC_021163.1	29490839	AA	GG	GG	INTERGENIC		
SNP_18336B_29491024	Ca_Kabuli_Chr04	NC_021163.1	29491024	TT	GG	GG	INTERGENIC		
SNP_18337B_29491031	Ca_Kabuli_Chr04	NC_021163.1	29491031	CC	TT	TT	INTERGENIC		
SNP_18339B_29509576	Ca_Kabuli_Chr04	NC_021163.1	29509576	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_18340B_29553830	Ca_Kabuli_Chr04	NC_021163.1	29553830	CC	TT	TT	INTERGENIC		
SNP_18341B_29571385	Ca_Kabuli_Chr04	NC_021163.1	29571385	GG	AA	AA	INTERGENIC		
SNP_18342B_29571466	Ca_Kabuli_Chr04	NC_021163.1	29571466	TT	AA	AA	INTERGENIC		
SNP_18343B_29575141	Ca_Kabuli_Chr04	NC_021163.1	29575141	TT	AA	AA	INTERGENIC		
SNP_18344B_29575365	Ca_Kabuli_Chr04	NC_021163.1	29575365	AA	CC	CC	INTERGENIC		
SNP_18345B_29575416	Ca_Kabuli_Chr04	NC_021163.1	29575416	GG	TT	TT	INTERGENIC		
SNP_18346B_29575420	Ca_Kabuli_Chr04	NC_021163.1	29575420	AA	TT	TT	INTERGENIC		
SNP_18348B_29582524	Ca_Kabuli_Chr04	NC_021163.1	29582524	CC	GG	GG	INTERGENIC		
SNP_18349B_29587631	Ca_Kabuli_Chr04	NC_021163.1	29587631	AA	GG	GG	INTERGENIC		
SNP_18350B_29602552	Ca_Kabuli_Chr04	NC_021163.1	29602552	CC	GG	GG	URR	101510922	E3 ubiquitin-protein ligase SINAT2-like
SNP_18351B_29602565	Ca_Kabuli_Chr04	NC_021163.1	29602565	GG	CC	CC	URR	101510922	E3 ubiquitin-protein ligase SINAT2-like
SNP_18352B_29602578	Ca_Kabuli_Chr04	NC_021163.1	29602578	TT	CC	CC	URR	101510922	E3 ubiquitin-protein ligase SINAT2-like
SNP_18353B_29602919	Ca_Kabuli_Chr04	NC_021163.1	29602919	GG	AA	AA	URR	101510922	E3 ubiquitin-protein ligase SINAT2-like
SNP_18354B_29616284	Ca_Kabuli_Chr04	NC_021163.1	29616284	GG	AA	AA	INTERGENIC		
SNP_18355B_29619130	Ca_Kabuli_Chr04	NC_021163.1	29619130	GG	AA	AA	INTERGENIC		
SNP_18356B_29634768	Ca_Kabuli_Chr04	NC_021163.1	29634768	TT	CC	CC	INTERGENIC		
SNP_18357B_29635157	Ca_Kabuli_Chr04	NC_021163.1	29635157	GG	TT	TT	INTERGENIC		
SNP_18358B_29639234	Ca_Kabuli_Chr04	NC_021163.1	29639234	GG	AA	AA	INTERGENIC		
SNP_18359B_29642018	Ca_Kabuli_Chr04	NC_021163.1	29642018	CC	TT	TT	INTERGENIC		
SNP_18360B_29642627	Ca_Kabuli_Chr04	NC_021163.1	29642627	AA	CC	CC	INTERGENIC		
SNP_18361B_29644066	Ca_Kabuli_Chr04	NC_021163.1	29644066	CC	TT	TT	DRR	101511432	activator of 90 kDa heat shock protein ATPase homolog 1-like
SNP_18363B_29647432	Ca_Kabuli_Chr04	NC_021163.1	29647432	AA	GG	GG	URR	101511432	activator of 90 kDa heat shock protein ATPase homolog 1-like
SNP_18364B_29647898	Ca_Kabuli_Chr04	NC_021163.1	29647898	TT	CC	CC	URR	101511432	activator of 90 kDa heat shock protein ATPase homolog 1-like
SNP_18365B_29648508	Ca_Kabuli_Chr04	NC_021163.1	29648508	GG	TT	TT	URR	101511432	activator of 90 kDa heat shock protein ATPase homolog 1-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_18366B_29650609	Ca_Kabuli_Chr04	NC_021163.1	29650609	TT	CC	CC	INTERGENIC		
SNP_18367B_29651201	Ca_Kabuli_Chr04	NC_021163.1	29651201	CC	TT	TT	INTERGENIC		
SNP_18368B_29652293	Ca_Kabuli_Chr04	NC_021163.1	29652293	TT	CC	CC	INTERGENIC		
SNP_18369B_29652305	Ca_Kabuli_Chr04	NC_021163.1	29652305	GG	TT	TT	INTERGENIC		
SNP_18370B_29653520	Ca_Kabuli_Chr04	NC_021163.1	29653520	CC	TT	TT	INTERGENIC		
SNP_18371B_29653813	Ca_Kabuli_Chr04	NC_021163.1	29653813	CC	TT	TT	INTERGENIC		
SNP_18372B_29653829	Ca_Kabuli_Chr04	NC_021163.1	29653829	AA	GG	GG	INTERGENIC		
SNP_18373B_29659255	Ca_Kabuli_Chr04	NC_021163.1	29659255	AA	GG	GG	INTERGENIC		
SNP_18374B_29659999	Ca_Kabuli_Chr04	NC_021163.1	29659999	GG	AA	AA	INTERGENIC		
SNP_18375B_29660018	Ca_Kabuli_Chr04	NC_021163.1	29660018	TT	CC	CC	INTERGENIC		
SNP_18376B_29660317	Ca_Kabuli_Chr04	NC_021163.1	29660317	AA	TT	TT	INTERGENIC		
SNP_18377B_29660324	Ca_Kabuli_Chr04	NC_021163.1	29660324	CC	TT	TT	INTERGENIC		
SNP_18378B_29660665	Ca_Kabuli_Chr04	NC_021163.1	29660665	TT	GG	GG	INTERGENIC		
SNP_18379B_29661859	Ca_Kabuli_Chr04	NC_021163.1	29661859	CC	AA	AA	INTERGENIC		
SNP_18380B_29671042	Ca_Kabuli_Chr04	NC_021163.1	29671042	CC	TT	TT	INTERGENIC		
SNP_18381B_29672823	Ca_Kabuli_Chr04	NC_021163.1	29672823	CC	AA	AA	INTERGENIC		
SNP_18382B_29683718	Ca_Kabuli_Chr04	NC_021163.1	29683718	AA	TT	TT	NON_SYNONYMOUS_CODING	101511764	centromere-associated protein E
SNP_18383B_29696128	Ca_Kabuli_Chr04	NC_021163.1	29696128	AA	CC	CC	INTRON	101511764	centromere-associated protein E
SNP_18384B_29700810	Ca_Kabuli_Chr04	NC_021163.1	29700810	GG	AA	AA	URR	101511764	centromere-associated protein E
SNP_18385B_29703503	Ca_Kabuli_Chr04	NC_021163.1	29703503	CC	TT	TT	INTERGENIC		
SNP_18386B_29710170	Ca_Kabuli_Chr04	NC_021163.1	29710170	TT	AA	AA	INTERGENIC		
SNP_18388B_29715689	Ca_Kabuli_Chr04	NC_021163.1	29715689	TT	GG	GG	INTERGENIC		
SNP_18389B_29717029	Ca_Kabuli_Chr04	NC_021163.1	29717029	CC	TT	TT	INTERGENIC		
SNP_18390B_29717350	Ca_Kabuli_Chr04	NC_021163.1	29717350	TT	GG	GG	DRR	101512080	protein trichome birefringence-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_18391B_29717594	Ca_Kabuli_Chr04	NC_021163.1	29717594	TT	CC	CC	DRR	101512080	protein trichome birefringence-like
SNP_18392B_29770370	Ca_Kabuli_Chr04	NC_021163.1	29770370	CC	TT	TT	INTERGENIC		
SNP_18394B_29829402	Ca_Kabuli_Chr04	NC_021163.1	29829402	AA	GG	GG	INTERGENIC		
SNP_18395B_29851737	Ca_Kabuli_Chr04	NC_021163.1	29851737	TT	CC	CC	INTERGENIC		
SNP_18396B_29856080	Ca_Kabuli_Chr04	NC_021163.1	29856080	TT	CC	CC	INTERGENIC		
SNP_18397B_29859792	Ca_Kabuli_Chr04	NC_021163.1	29859792	CC	TT	TT	INTERGENIC		
SNP_18398B_29859960	Ca_Kabuli_Chr04	NC_021163.1	29859960	GG	AA	AA	INTERGENIC		
SNP_18399B_29869713	Ca_Kabuli_Chr04	NC_021163.1	29869713	TT	CC	CC	NON_SYNONYMOUS_CODING	101506742	uncharacterized LOC101506742
SNP_18400B_29879553	Ca_Kabuli_Chr04	NC_021163.1	29879553	TT	AA	AA	INTERGENIC		
SNP_18401B_29885108	Ca_Kabuli_Chr04	NC_021163.1	29885108	CC	TT	TT	INTERGENIC		
SNP_18402B_29902511	Ca_Kabuli_Chr04	NC_021163.1	29902511	TT	GG	GG	INTERGENIC		
SNP_18403B_29910626	Ca_Kabuli_Chr04	NC_021163.1	29910626	AA	GG	GG	INTERGENIC		
SNP_18404B_29930748	Ca_Kabuli_Chr04	NC_021163.1	29930748	CC	TT	TT	DRR	101513380	Unknown function
SNP_18405B_29930879	Ca_Kabuli_Chr04	NC_021163.1	29930879	GG	CC	CC	DRR	101513380	Unknown function
SNP_18406B_29930916	Ca_Kabuli_Chr04	NC_021163.1	29930916	AA	CC	CC	DRR	101513380	Unknown function
SNP_18407B_29931040	Ca_Kabuli_Chr04	NC_021163.1	29931040	CC	TT	TT	DRR	101513380	Unknown function
SNP_18409B_29932843	Ca_Kabuli_Chr04	NC_021163.1	29932843	GG	TT	TT	DRR	101513694	Unknown function
SNP_18410B_29932852	Ca_Kabuli_Chr04	NC_021163.1	29932852	TT	CC	CC	DRR	101513694	Unknown function
SNP_18411B_29932853	Ca_Kabuli_Chr04	NC_021163.1	29932853	TT	CC	CC	DRR	101513694	Unknown function
SNP_18412B_29932863	Ca_Kabuli_Chr04	NC_021163.1	29932863	TT	CC	CC	DRR	101513694	Unknown function
SNP_18413B_29932895	Ca_Kabuli_Chr04	NC_021163.1	29932895	AA	TT	TT	DRR	101513694	Unknown function
SNP_18414B_29933315	Ca_Kabuli_Chr04	NC_021163.1	29933315	AA	GG	GG	DRR	101513694	Unknown function
SNP_18415B_29933323	Ca_Kabuli_Chr04	NC_021163.1	29933323	TT	CC	CC	DRR	101513694	Unknown function
SNP_18416B_29933718	Ca_Kabuli_Chr04	NC_021163.1	29933718	CC	GG	GG	DRR	101507080	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_18417B_29933734	Ca_Kabuli_Chr04	NC_021163.1	29933734	AA	CC	CC	DRR	101507080	Unknown function
SNP_18419B_29933794	Ca_Kabuli_Chr04	NC_021163.1	29933794	TT	GG	GG	DRR	101507080	Unknown function
SNP_18420B_29933800	Ca_Kabuli_Chr04	NC_021163.1	29933800	GG	TT	TT	DRR	101507080	Unknown function
SNP_18421B_29934081	Ca_Kabuli_Chr04	NC_021163.1	29934081	TT	CC	CC	URR	101513694	Unknown function
SNP_18422B_29934139	Ca_Kabuli_Chr04	NC_021163.1	29934139	AA	GG	GG	URR	101513694	Unknown function
SNP_18423B_29934143	Ca_Kabuli_Chr04	NC_021163.1	29934143	TT	CC	CC	URR	101513694	Unknown function
SNP_18424B_29934176	Ca_Kabuli_Chr04	NC_021163.1	29934176	GG	CC	CC	URR	101513694	Unknown function
SNP_18425B_29934197	Ca_Kabuli_Chr04	NC_021163.1	29934197	TT	CC	CC	URR	101513694	Unknown function
SNP_18426B_29934219	Ca_Kabuli_Chr04	NC_021163.1	29934219	GG	TT	TT	URR	101513694	Unknown function
SNP_18427B_29934232	Ca_Kabuli_Chr04	NC_021163.1	29934232	TT	GG	GG	URR	101513694	Unknown function
SNP_18428B_29934260	Ca_Kabuli_Chr04	NC_021163.1	29934260	AA	CC	CC	URR	101513694	Unknown function
SNP_18429B_29934437	Ca_Kabuli_Chr04	NC_021163.1	29934437	TT	CC	CC	URR	101513694	Unknown function
SNP_18430B_29934446	Ca_Kabuli_Chr04	NC_021163.1	29934446	AA	CC	CC	URR	101513694	Unknown function
SNP_18431B_29934561	Ca_Kabuli_Chr04	NC_021163.1	29934561	GG	TT	TT	URR	101513694	Unknown function
SNP_18432B_29936504	Ca_Kabuli_Chr04	NC_021163.1	29936504	TT	CC	CC	URR	101507080	Unknown function
SNP_18434B_29944953	Ca_Kabuli_Chr04	NC_021163.1	29944953	TT	AA	AA	INTERGENIC		
SNP_18435B_29944963	Ca_Kabuli_Chr04	NC_021163.1	29944963	AA	TT	TT	INTERGENIC		
SNP_18436B_29944992	Ca_Kabuli_Chr04	NC_021163.1	29944992	AA	TT	TT	INTERGENIC		
SNP_18437B_29945017	Ca_Kabuli_Chr04	NC_021163.1	29945017	GG	AA	AA	INTERGENIC		
SNP_18438B_29961731	Ca_Kabuli_Chr04	NC_021163.1	29961731	AA	GG	GG	INTERGENIC		
SNP_18439B_29962001	Ca_Kabuli_Chr04	NC_021163.1	29962001	TT	AA	AA	INTERGENIC		
SNP_18440B_29962014	Ca_Kabuli_Chr04	NC_021163.1	29962014	AA	TT	TT	INTERGENIC		
SNP_18441B_29986237	Ca_Kabuli_Chr04	NC_021163.1	29986237	GG	AA	AA	INTERGENIC		
SNP_18442B_29986491	Ca_Kabuli_Chr04	NC_021163.1	29986491	CC	TT	TT	DRR	101514029	uncharacterized LOC101514029

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_18444B_29987956	Ca_Kabuli_Chr04	NC_021163.1	29987956	CC	TT	TT	INTRON	id85867	Unknown function
SNP_18445B_30010130	Ca_Kabuli_Chr04	NC_021163.1	30010130	CC	AA	AA	INTERGENIC		
SNP_18446B_30025676	Ca_Kabuli_Chr04	NC_021163.1	30025676	TT	CC	CC	INTERGENIC		
SNP_18447B_30025708	Ca_Kabuli_Chr04	NC_021163.1	30025708	AA	GG	GG	INTERGENIC		
SNP_18448B_30025716	Ca_Kabuli_Chr04	NC_021163.1	30025716	TT	CC	CC	INTERGENIC		
SNP_18449B_30025784	Ca_Kabuli_Chr04	NC_021163.1	30025784	AA	GG	GG	INTERGENIC		
SNP_18450B_30025828	Ca_Kabuli_Chr04	NC_021163.1	30025828	AA	GG	GG	INTERGENIC		
SNP_18451B_30026090	Ca_Kabuli_Chr04	NC_021163.1	30026090	GG	AA	AA	INTERGENIC		
SNP_18452B_30026101	Ca_Kabuli_Chr04	NC_021163.1	30026101	TT	CC	CC	INTERGENIC		
SNP_18453B_30033028	Ca_Kabuli_Chr04	NC_021163.1	30033028	AA	CC	CC	INTERGENIC		
SNP_18455B_30033348	Ca_Kabuli_Chr04	NC_021163.1	30033348	GG	TT	TT	INTERGENIC		
SNP_18456B_30046009	Ca_Kabuli_Chr04	NC_021163.1	30046009	TT	AA	AA	URR	101514267	probable L-type lectin-domain containing receptor kinase S.5
SNP_18459B_30052047	Ca_Kabuli_Chr04	NC_021163.1	30052047	TT	CC	CC	INTERGENIC		
SNP_18460B_30055114	Ca_Kabuli_Chr04	NC_021163.1	30055114	CC	TT	TT	INTERGENIC		
SNP_18463B_30081876	Ca_Kabuli_Chr04	NC_021163.1	30081876	TT	GG	GG	NON_SYNONYMOUS_CODING	id85880	Unknown function
SNP_18464B_30084280	Ca_Kabuli_Chr04	NC_021163.1	30084280	TT	CC	CC	SYNONYMOUS_CODING	id85880	Unknown function
SNP_18466B_30085292	Ca_Kabuli_Chr04	NC_021163.1	30085292	AA	GG	GG	URR	101514906	uncharacterized LOC101514906
SNP_18467B_30085369	Ca_Kabuli_Chr04	NC_021163.1	30085369	TT	AA	AA	URR	101514906	uncharacterized LOC101514906
SNP_18468B_30086844	Ca_Kabuli_Chr04	NC_021163.1	30086844	TT	CC	CC	INTERGENIC		
SNP_18470B_30097869	Ca_Kabuli_Chr04	NC_021163.1	30097869	GG	AA	AA	INTERGENIC		
SNP_18471B_30098153	Ca_Kabuli_Chr04	NC_021163.1	30098153	CC	TT	TT	INTERGENIC		
SNP_18473B_30102143	Ca_Kabuli_Chr04	NC_021163.1	30102143	GG	AA	AA	DRR	101515111	probable protein phosphatase 2C 25
SNP_18474B_30102341	Ca_Kabuli_Chr04	NC_021163.1	30102341	GG	AA	AA	DRR	101515111	probable protein phosphatase 2C 25
SNP_18475B_30111461	Ca_Kabuli_Chr04	NC_021163.1	30111461	TT	GG	GG	URR	101515664	actin-97

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_18476B_30111496	Ca_Kabuli_Chr04	NC_021163.1	30111496	GG	TT	TT	URR	101515664	actin-97
SNP_18477B_30114981	Ca_Kabuli_Chr04	NC_021163.1	30114981	GG	AA	AA	INTERGENIC		
SNP_18479B_30119241	Ca_Kabuli_Chr04	NC_021163.1	30119241	AA	GG	GG	INTERGENIC		
SNP_18481B_30125274	Ca_Kabuli_Chr04	NC_021163.1	30125274	TT	GG	GG	INTERGENIC		
SNP_18482B_30125558	Ca_Kabuli_Chr04	NC_021163.1	30125558	TT	CC	CC	INTERGENIC		
SNP_18483B_30125652	Ca_Kabuli_Chr04	NC_021163.1	30125652	GG	AA	AA	INTERGENIC		
SNP_18484B_30134582	Ca_Kabuli_Chr04	NC_021163.1	30134582	TT	AA	AA	INTERGENIC		
SNP_18485B_30134586	Ca_Kabuli_Chr04	NC_021163.1	30134586	TT	CC	CC	INTERGENIC		
SNP_18486B_30134619	Ca_Kabuli_Chr04	NC_021163.1	30134619	AA	TT	TT	INTERGENIC		
SNP_18488B_30138302	Ca_Kabuli_Chr04	NC_021163.1	30138302	CC	TT	TT	INTERGENIC		
SNP_18489B_30138656	Ca_Kabuli_Chr04	NC_021163.1	30138656	GG	AA	AA	INTERGENIC		
SNP_18490B_30147828	Ca_Kabuli_Chr04	NC_021163.1	30147828	AA	GG	GG	INTRON	101488751	probable plastid-lipid-associated protein 13, chloroplastic
SNP_18491B_30149592	Ca_Kabuli_Chr04	NC_021163.1	30149592	GG	CC	CC	INTRON	101488751	probable plastid-lipid-associated protein 13, chloroplastic
SNP_18492B_30149596	Ca_Kabuli_Chr04	NC_021163.1	30149596	GG	AA	AA	INTRON	101488751	probable plastid-lipid-associated protein 13, chloroplastic
SNP_18493B_30149705	Ca_Kabuli_Chr04	NC_021163.1	30149705	TT	AA	AA	INTRON	101488751	probable plastid-lipid-associated protein 13, chloroplastic
SNP_18494B_30151416	Ca_Kabuli_Chr04	NC_021163.1	30151416	GG	AA	AA	INTRON	101488751	probable plastid-lipid-associated protein 13, chloroplastic
SNP_18495B_30171837	Ca_Kabuli_Chr04	NC_021163.1	30171837	GG	AA	AA	INTERGENIC		
SNP_18496B_30171902	Ca_Kabuli_Chr04	NC_021163.1	30171902	CC	GG	GG	INTERGENIC		
SNP_18497B_30172064	Ca_Kabuli_Chr04	NC_021163.1	30172064	CC	TT	TT	INTERGENIC		
SNP_18498B_30172144	Ca_Kabuli_Chr04	NC_021163.1	30172144	AA	GG	GG	INTERGENIC		
SNP_18499B_30172214	Ca_Kabuli_Chr04	NC_021163.1	30172214	GG	AA	AA	INTERGENIC		
SNP_18501B_30173816	Ca_Kabuli_Chr04	NC_021163.1	30173816	GG	AA	AA	INTERGENIC		
SNP_18502B_30176919	Ca_Kabuli_Chr04	NC_021163.1	30176919	CC	TT	TT	INTERGENIC		
SNP_18503B_30177005	Ca_Kabuli_Chr04	NC_021163.1	30177005	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_18504B_30177296	Ca_Kabuli_Chr04	NC_021163.1	30177296	TT	GG	GG	INTERGENIC		
SNP_18506B_30184196	Ca_Kabuli_Chr04	NC_021163.1	30184196	CC	TT	TT	INTERGENIC		
SNP_18507B_30184462	Ca_Kabuli_Chr04	NC_021163.1	30184462	TT	CC	CC	INTERGENIC		
SNP_18509B_30184825	Ca_Kabuli_Chr04	NC_021163.1	30184825	CC	AA	AA	INTERGENIC		
SNP_18510B_30184868	Ca_Kabuli_Chr04	NC_021163.1	30184868	TT	GG	GG	INTERGENIC		
SNP_18511B_30184876	Ca_Kabuli_Chr04	NC_021163.1	30184876	CC	GG	GG	INTERGENIC		
SNP_18512B_30184908	Ca_Kabuli_Chr04	NC_021163.1	30184908	TT	CC	CC	INTERGENIC		
SNP_18513B_30185060	Ca_Kabuli_Chr04	NC_021163.1	30185060	TT	CC	CC	INTERGENIC		
SNP_18514B_30185089	Ca_Kabuli_Chr04	NC_021163.1	30185089	CC	TT	TT	INTERGENIC		
SNP_18515B_30185156	Ca_Kabuli_Chr04	NC_021163.1	30185156	CC	AA	AA	INTERGENIC		
SNP_18517B_30188966	Ca_Kabuli_Chr04	NC_021163.1	30188966	AA	GG	GG	INTERGENIC		
SNP_18518B_30188968	Ca_Kabuli_Chr04	NC_021163.1	30188968	AA	TT	TT	INTERGENIC		
SNP_18520B_30189086	Ca_Kabuli_Chr04	NC_021163.1	30189086	AA	GG	GG	INTERGENIC		
SNP_18521B_30195344	Ca_Kabuli_Chr04	NC_021163.1	30195344	AA	CC	CC	INTERGENIC		
SNP_18522B_30195867	Ca_Kabuli_Chr04	NC_021163.1	30195867	TT	CC	CC	INTERGENIC		
SNP_18523B_30195868	Ca_Kabuli_Chr04	NC_021163.1	30195868	GG	TT	TT	INTERGENIC		
SNP_18524B_30195878	Ca_Kabuli_Chr04	NC_021163.1	30195878	CC	TT	TT	INTERGENIC		
SNP_18525B_30196835	Ca_Kabuli_Chr04	NC_021163.1	30196835	TT	AA	AA	INTERGENIC		
SNP_18526B_30196868	Ca_Kabuli_Chr04	NC_021163.1	30196868	TT	CC	CC	INTERGENIC		
SNP_18527B_30197018	Ca_Kabuli_Chr04	NC_021163.1	30197018	AA	CC	CC	INTERGENIC		
SNP_18528B_30197036	Ca_Kabuli_Chr04	NC_021163.1	30197036	GG	AA	AA	INTERGENIC		
SNP_18530B_30197564	Ca_Kabuli_Chr04	NC_021163.1	30197564	CC	TT	TT	INTERGENIC		
SNP_18531B_30197767	Ca_Kabuli_Chr04	NC_021163.1	30197767	CC	AA	AA	INTERGENIC		
SNP_18532B_30198487	Ca_Kabuli_Chr04	NC_021163.1	30198487	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_18533B_30198533	Ca_Kabuli_Chr04	NC_021163.1	30198533	TT	CC	CC	INTERGENIC		
SNP_18534B_30198558	Ca_Kabuli_Chr04	NC_021163.1	30198558	AA	CC	CC	INTERGENIC		
SNP_18535B_30203041	Ca_Kabuli_Chr04	NC_021163.1	30203041	CC	TT	TT	INTERGENIC		
SNP_18538B_30211785	Ca_Kabuli_Chr04	NC_021163.1	30211785	AA	GG	GG	INTERGENIC		
SNP_18539B_30214012	Ca_Kabuli_Chr04	NC_021163.1	30214012	TT	CC	CC	INTERGENIC		
SNP_18540B_30218953	Ca_Kabuli_Chr04	NC_021163.1	30218953	TT	AA	AA	INTERGENIC		
SNP_18541B_30218954	Ca_Kabuli_Chr04	NC_021163.1	30218954	AA	TT	TT	INTERGENIC		
SNP_18542B_30219007	Ca_Kabuli_Chr04	NC_021163.1	30219007	AA	GG	GG	INTERGENIC		
SNP_18543B_30219016	Ca_Kabuli_Chr04	NC_021163.1	30219016	AA	GG	GG	INTERGENIC		
SNP_18544B_30226132	Ca_Kabuli_Chr04	NC_021163.1	30226132	GG	AA	AA	INTERGENIC		
SNP_18545B_30228076	Ca_Kabuli_Chr04	NC_021163.1	30228076	TT	AA	AA	INTERGENIC		
SNP_18547B_30257214	Ca_Kabuli_Chr04	NC_021163.1	30257214	TT	CC	CC	DRR	101489739	11 kDa late embryogenesis abundant protein-like
SNP_18548B_30277069	Ca_Kabuli_Chr04	NC_021163.1	30277069	GG	CC	CC	INTERGENIC		
SNP_18549B_30279102	Ca_Kabuli_Chr04	NC_021163.1	30279102	CC	TT	TT	INTERGENIC		
SNP_18550B_30279892	Ca_Kabuli_Chr04	NC_021163.1	30279892	AA	GG	GG	INTERGENIC		
SNP_18552B_30338778	Ca_Kabuli_Chr04	NC_021163.1	30338778	TT	AA	AA	INTERGENIC		
SNP_18553B_30351183	Ca_Kabuli_Chr04	NC_021163.1	30351183	GG	AA	AA	INTERGENIC		
SNP_18555B_30352790	Ca_Kabuli_Chr04	NC_021163.1	30352790	CC	GG	GG	INTERGENIC		
SNP_18556B_30379297	Ca_Kabuli_Chr04	NC_021163.1	30379297	AA	GG	GG	INTERGENIC		
SNP_18557B_30390717	Ca_Kabuli_Chr04	NC_021163.1	30390717	GG	TT	TT	INTERGENIC		
SNP_18558B_30390747	Ca_Kabuli_Chr04	NC_021163.1	30390747	AA	TT	TT	INTERGENIC		
SNP_18559B_30398634	Ca_Kabuli_Chr04	NC_021163.1	30398634	AA	GG	GG	INTERGENIC		
SNP_18560B_30398650	Ca_Kabuli_Chr04	NC_021163.1	30398650	AA	CC	CC	INTERGENIC		
SNP_18561B_30398763	Ca_Kabuli_Chr04	NC_021163.1	30398763	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_18562B_30398803	Ca_Kabuli_Chr04	NC_021163.1	30398803	AA	GG	GG	INTERGENIC		
SNP_18563B_30398817	Ca_Kabuli_Chr04	NC_021163.1	30398817	TT	CC	CC	INTERGENIC		
SNP_18564B_30398834	Ca_Kabuli_Chr04	NC_021163.1	30398834	GG	AA	AA	INTERGENIC		
SNP_18566B_30408601	Ca_Kabuli_Chr04	NC_021163.1	30408601	AA	GG	GG	INTERGENIC		
SNP_18569B_30421196	Ca_Kabuli_Chr04	NC_021163.1	30421196	GG	TT	TT	INTERGENIC		
SNP_18570B_30421284	Ca_Kabuli_Chr04	NC_021163.1	30421284	CC	AA	AA	INTERGENIC		
SNP_18571B_30422233	Ca_Kabuli_Chr04	NC_021163.1	30422233	AA	CC	CC	INTERGENIC		
SNP_18572B_30422240	Ca_Kabuli_Chr04	NC_021163.1	30422240	AA	TT	TT	INTERGENIC		
SNP_18574B_30424185	Ca_Kabuli_Chr04	NC_021163.1	30424185	AA	GG	GG	INTERGENIC		
SNP_18575B_30426534	Ca_Kabuli_Chr04	NC_021163.1	30426534	GG	TT	TT	INTERGENIC		
SNP_18576B_30426541	Ca_Kabuli_Chr04	NC_021163.1	30426541	TT	GG	GG	INTERGENIC		
SNP_18577B_30436732	Ca_Kabuli_Chr04	NC_021163.1	30436732	GG	TT	TT	INTERGENIC		
SNP_18578B_30445444	Ca_Kabuli_Chr04	NC_021163.1	30445444	TT	CC	CC	INTERGENIC		
SNP_18579B_30445481	Ca_Kabuli_Chr04	NC_021163.1	30445481	TT	CC	CC	INTERGENIC		
SNP_18580B_30472168	Ca_Kabuli_Chr04	NC_021163.1	30472168	AA	GG	GG	URR	101510595	Unknown function
SNP_18581B_30495760	Ca_Kabuli_Chr04	NC_021163.1	30495760	CC	TT	TT	INTERGENIC		
SNP_18582B_30510406	Ca_Kabuli_Chr04	NC_021163.1	30510406	GG	TT	TT	INTERGENIC		
SNP_18583B_30510411	Ca_Kabuli_Chr04	NC_021163.1	30510411	CC	TT	TT	INTERGENIC		
SNP_18584B_30510420	Ca_Kabuli_Chr04	NC_021163.1	30510420	GG	AA	AA	INTERGENIC		
SNP_18585B_30521115	Ca_Kabuli_Chr04	NC_021163.1	30521115	TT	CC	CC	INTERGENIC		
SNP_18586B_30521185	Ca_Kabuli_Chr04	NC_021163.1	30521185	AA	GG	GG	INTERGENIC		
SNP_18588B_30521275	Ca_Kabuli_Chr04	NC_021163.1	30521275	AA	TT	TT	INTERGENIC		
SNP_18589B_30521893	Ca_Kabuli_Chr04	NC_021163.1	30521893	TT	CC	CC	INTERGENIC		
SNP_18590B_30535523	Ca_Kabuli_Chr04	NC_021163.1	30535523	CC	TT	TT	DRR	101512204	uncharacterized LOC101512204

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_18592B_30536004	Ca_Kabuli_Chr04	NC_021163.1	30536004	CC	TT	TT	SYNONYMOUS_CODING	101512204	uncharacterized LOC101512204
SNP_18593B_30536366	Ca_Kabuli_Chr04	NC_021163.1	30536366	AA	GG	GG	NON_SYNONYMOUS_CODING	101512204	uncharacterized LOC101512204
SNP_18594B_30537134	Ca_Kabuli_Chr04	NC_021163.1	30537134	TT	GG	GG	INTRON	101512204	uncharacterized LOC101512204
SNP_18595B_30537349	Ca_Kabuli_Chr04	NC_021163.1	30537349	CC	TT	TT	INTRON	101512204	uncharacterized LOC101512204
SNP_18596B_30537482	Ca_Kabuli_Chr04	NC_021163.1	30537482	AA	GG	GG	INTRON	101512204	uncharacterized LOC101512204
SNP_18598B_30537740	Ca_Kabuli_Chr04	NC_021163.1	30537740	CC	TT	TT	INTRON	101512204	uncharacterized LOC101512204
SNP_18599B_30537764	Ca_Kabuli_Chr04	NC_021163.1	30537764	CC	AA	AA	INTRON	101512204	uncharacterized LOC101512204
SNP_18601B_30538411	Ca_Kabuli_Chr04	NC_021163.1	30538411	AA	GG	GG	URR	101512204	uncharacterized LOC101512204
SNP_18602B_30539154	Ca_Kabuli_Chr04	NC_021163.1	30539154	GG	AA	AA	URR	101512204	uncharacterized LOC101512204
SNP_18603B_30539162	Ca_Kabuli_Chr04	NC_021163.1	30539162	CC	TT	TT	URR	101512204	uncharacterized LOC101512204
SNP_18604B_30539175	Ca_Kabuli_Chr04	NC_021163.1	30539175	GG	AA	AA	URR	101512204	uncharacterized LOC101512204
SNP_18605B_30539198	Ca_Kabuli_Chr04	NC_021163.1	30539198	TT	CC	CC	URR	101512204	uncharacterized LOC101512204
SNP_18606B_30539301	Ca_Kabuli_Chr04	NC_021163.1	30539301	GG	AA	AA	URR	101512204	uncharacterized LOC101512204
SNP_18607B_30539306	Ca_Kabuli_Chr04	NC_021163.1	30539306	GG	AA	AA	URR	101512204	uncharacterized LOC101512204
SNP_18608B_30540847	Ca_Kabuli_Chr04	NC_021163.1	30540847	TT	GG	GG	INTERGENIC		
SNP_18609B_30541352	Ca_Kabuli_Chr04	NC_021163.1	30541352	AA	GG	GG	INTERGENIC		
SNP_18610B_30541371	Ca_Kabuli_Chr04	NC_021163.1	30541371	GG	AA	AA	INTERGENIC		
SNP_18611B_30541374	Ca_Kabuli_Chr04	NC_021163.1	30541374	CC	TT	TT	INTERGENIC		
SNP_18613B_30541497	Ca_Kabuli_Chr04	NC_021163.1	30541497	TT	CC	CC	INTERGENIC		
SNP_18614B_30541538	Ca_Kabuli_Chr04	NC_021163.1	30541538	TT	CC	CC	INTERGENIC		
SNP_18615B_30541542	Ca_Kabuli_Chr04	NC_021163.1	30541542	GG	TT	TT	INTERGENIC		
SNP_18616B_30541548	Ca_Kabuli_Chr04	NC_021163.1	30541548	TT	CC	CC	INTERGENIC		
SNP_18617B_30541556	Ca_Kabuli_Chr04	NC_021163.1	30541556	AA	GG	GG	INTERGENIC		
SNP_18618B_30541561	Ca_Kabuli_Chr04	NC_021163.1	30541561	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_18619B_30541578	Ca_Kabuli_Chr04	NC_021163.1	30541578	CC	TT	TT	INTERGENIC		
SNP_18620B_30541582	Ca_Kabuli_Chr04	NC_021163.1	30541582	GG	AA	AA	INTERGENIC		
SNP_18621B_30541592	Ca_Kabuli_Chr04	NC_021163.1	30541592	CC	TT	TT	INTERGENIC		
SNP_18622B_30541598	Ca_Kabuli_Chr04	NC_021163.1	30541598	CC	TT	TT	INTERGENIC		
SNP_18623B_30541607	Ca_Kabuli_Chr04	NC_021163.1	30541607	AA	GG	GG	INTERGENIC		
SNP_18624B_30541634	Ca_Kabuli_Chr04	NC_021163.1	30541634	AA	GG	GG	INTERGENIC		
SNP_18625B_30541645	Ca_Kabuli_Chr04	NC_021163.1	30541645	GG	AA	AA	INTERGENIC		
SNP_18626B_30541656	Ca_Kabuli_Chr04	NC_021163.1	30541656	TT	CC	CC	INTERGENIC		
SNP_18627B_30541657	Ca_Kabuli_Chr04	NC_021163.1	30541657	TT	CC	CC	INTERGENIC		
SNP_18628B_30541736	Ca_Kabuli_Chr04	NC_021163.1	30541736	GG	AA	AA	INTERGENIC		
SNP_18629B_30541791	Ca_Kabuli_Chr04	NC_021163.1	30541791	TT	CC	CC	INTERGENIC		
SNP_18630B_30541795	Ca_Kabuli_Chr04	NC_021163.1	30541795	CC	TT	TT	INTERGENIC		
SNP_18631B_30541812	Ca_Kabuli_Chr04	NC_021163.1	30541812	AA	GG	GG	INTERGENIC		
SNP_18632B_30541818	Ca_Kabuli_Chr04	NC_021163.1	30541818	AA	GG	GG	INTERGENIC		
SNP_18633B_30541866	Ca_Kabuli_Chr04	NC_021163.1	30541866	AA	GG	GG	INTERGENIC		
SNP_18634B_30541868	Ca_Kabuli_Chr04	NC_021163.1	30541868	AA	GG	GG	INTERGENIC		
SNP_18635B_30541918	Ca_Kabuli_Chr04	NC_021163.1	30541918	CC	AA	AA	INTERGENIC		
SNP_18636B_30541936	Ca_Kabuli_Chr04	NC_021163.1	30541936	AA	GG	GG	INTERGENIC		
SNP_18637B_30541961	Ca_Kabuli_Chr04	NC_021163.1	30541961	GG	AA	AA	INTERGENIC		
SNP_18638B_30541998	Ca_Kabuli_Chr04	NC_021163.1	30541998	AA	CC	CC	INTERGENIC		
SNP_18639B_30542003	Ca_Kabuli_Chr04	NC_021163.1	30542003	TT	CC	CC	INTERGENIC		
SNP_18640B_30542004	Ca_Kabuli_Chr04	NC_021163.1	30542004	TT	AA	AA	INTERGENIC		
SNP_18641B_30542034	Ca_Kabuli_Chr04	NC_021163.1	30542034	CC	TT	TT	INTERGENIC		
SNP_18642B_30542109	Ca_Kabuli_Chr04	NC_021163.1	30542109	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_18643B_30542184	Ca_Kabuli_Chr04	NC_021163.1	30542184	CC	TT	TT	INTERGENIC		
SNP_18644B_30542288	Ca_Kabuli_Chr04	NC_021163.1	30542288	CC	AA	AA	INTERGENIC		
SNP_18645B_30542428	Ca_Kabuli_Chr04	NC_021163.1	30542428	AA	GG	GG	INTERGENIC		
SNP_18646B_30542659	Ca_Kabuli_Chr04	NC_021163.1	30542659	CC	TT	TT	INTERGENIC		
SNP_18647B_30542905	Ca_Kabuli_Chr04	NC_021163.1	30542905	CC	GG	GG	INTERGENIC		
SNP_18648B_30542929	Ca_Kabuli_Chr04	NC_021163.1	30542929	GG	TT	TT	INTERGENIC		
SNP_18649B_30542945	Ca_Kabuli_Chr04	NC_021163.1	30542945	AA	CC	CC	INTERGENIC		
SNP_18650B_30542950	Ca_Kabuli_Chr04	NC_021163.1	30542950	TT	CC	CC	INTERGENIC		
SNP_18651B_30544282	Ca_Kabuli_Chr04	NC_021163.1	30544282	CC	TT	TT	INTERGENIC		
SNP_18652B_30544300	Ca_Kabuli_Chr04	NC_021163.1	30544300	AA	CC	CC	INTERGENIC		
SNP_18653B_30544325	Ca_Kabuli_Chr04	NC_021163.1	30544325	GG	AA	AA	INTERGENIC		
SNP_18654B_30544329	Ca_Kabuli_Chr04	NC_021163.1	30544329	AA	GG	GG	INTERGENIC		
SNP_18655B_30544665	Ca_Kabuli_Chr04	NC_021163.1	30544665	CC	TT	TT	INTERGENIC		
SNP_18656B_30546110	Ca_Kabuli_Chr04	NC_021163.1	30546110	CC	TT	TT	INTERGENIC		
SNP_18657B_30546121	Ca_Kabuli_Chr04	NC_021163.1	30546121	CC	AA	AA	INTERGENIC		
SNP_18658B_30546358	Ca_Kabuli_Chr04	NC_021163.1	30546358	CC	TT	TT	INTERGENIC		
SNP_18659B_30546716	Ca_Kabuli_Chr04	NC_021163.1	30546716	TT	CC	CC	INTERGENIC		
SNP_18660B_30546780	Ca_Kabuli_Chr04	NC_021163.1	30546780	AA	CC	CC	INTERGENIC		
SNP_18661B_30554352	Ca_Kabuli_Chr04	NC_021163.1	30554352	GG	AA	AA	INTERGENIC		
SNP_18662B_30554374	Ca_Kabuli_Chr04	NC_021163.1	30554374	CC	TT	TT	INTERGENIC		
SNP_18663B_30554399	Ca_Kabuli_Chr04	NC_021163.1	30554399	AA	GG	GG	INTERGENIC		
SNP_18664B_30561698	Ca_Kabuli_Chr04	NC_021163.1	30561698	GG	TT	TT	INTERGENIC		
SNP_18665B_30582606	Ca_Kabuli_Chr04	NC_021163.1	30582606	AA	TT	TT	URR	101493636	G patch domain-containing protein 11
SNP_18666B_30584237	Ca_Kabuli_Chr04	NC_021163.1	30584237	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_18667B_30585443	Ca_Kabuli_Chr04	NC_021163.1	30585443	AA	GG	GG	INTERGENIC		
SNP_18668B_30588049	Ca_Kabuli_Chr04	NC_021163.1	30588049	AA	GG	GG	INTERGENIC		
SNP_18669B_30588068	Ca_Kabuli_Chr04	NC_021163.1	30588068	TT	GG	GG	INTERGENIC		
SNP_18670B_30597193	Ca_Kabuli_Chr04	NC_021163.1	30597193	TT	CC	CC	INTERGENIC		
SNP_18672B_30619688	Ca_Kabuli_Chr04	NC_021163.1	30619688	AA	TT	TT	INTERGENIC		
SNP_18674B_30621752	Ca_Kabuli_Chr04	NC_021163.1	30621752	TT	CC	CC	INTERGENIC		
SNP_18676B_30637688	Ca_Kabuli_Chr04	NC_021163.1	30637688	TT	GG	GG	INTERGENIC		
SNP_18677B_30637709	Ca_Kabuli_Chr04	NC_021163.1	30637709	AA	CC	CC	INTERGENIC		
SNP_18678B_30653013	Ca_Kabuli_Chr04	NC_021163.1	30653013	TT	CC	CC	INTERGENIC		
SNP_18679B_30660173	Ca_Kabuli_Chr04	NC_021163.1	30660173	CC	TT	TT	INTERGENIC		
SNP_18680B_30664177	Ca_Kabuli_Chr04	NC_021163.1	30664177	GG	AA	AA	DRR	101498846	TBCC domain-containing protein 1
SNP_18681B_30673458	Ca_Kabuli_Chr04	NC_021163.1	30673458	AA	TT	TT	INTRON	101498846	TBCC domain-containing protein 1
SNP_18682B_30681128	Ca_Kabuli_Chr04	NC_021163.1	30681128	TT	CC	CC	INTRON	101498846	TBCC domain-containing protein 1
SNP_18683B_30686908	Ca_Kabuli_Chr04	NC_021163.1	30686908	TT	CC	CC	INTERGENIC		
SNP_18684B_30687126	Ca_Kabuli_Chr04	NC_021163.1	30687126	CC	GG	GG	INTERGENIC		
SNP_18686B_30713634	Ca_Kabuli_Chr04	NC_021163.1	30713634	CC	AA	AA	DRR	101513164	uncharacterized LOC101513164
SNP_18687B_30716478	Ca_Kabuli_Chr04	NC_021163.1	30716478	AA	TT	TT	URR	101513164	uncharacterized LOC101513164
SNP_18688B_30717561	Ca_Kabuli_Chr04	NC_021163.1	30717561	CC	AA	AA	INTERGENIC		
SNP_18689B_30718353	Ca_Kabuli_Chr04	NC_021163.1	30718353	AA	GG	GG	INTERGENIC		
SNP_18690B_30718491	Ca_Kabuli_Chr04	NC_021163.1	30718491	AA	TT	TT	INTERGENIC		
SNP_18691B_30718897	Ca_Kabuli_Chr04	NC_021163.1	30718897	GG	CC	CC	INTERGENIC		
SNP_18692B_30718914	Ca_Kabuli_Chr04	NC_021163.1	30718914	AA	TT	TT	INTERGENIC		
SNP_18693B_30719647	Ca_Kabuli_Chr04	NC_021163.1	30719647	TT	GG	GG	INTERGENIC		
SNP_18694B_30719648	Ca_Kabuli_Chr04	NC_021163.1	30719648	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_18695B_30719760	Ca_Kabuli_Chr04	NC_021163.1	30719760	TT	GG	GG	INTERGENIC		
SNP_18696B_30720012	Ca_Kabuli_Chr04	NC_021163.1	30720012	TT	GG	GG	INTERGENIC		
SNP_18697B_30720276	Ca_Kabuli_Chr04	NC_021163.1	30720276	CC	TT	TT	INTERGENIC		
SNP_18698B_30720316	Ca_Kabuli_Chr04	NC_021163.1	30720316	AA	TT	TT	INTERGENIC		
SNP_18699B_30721736	Ca_Kabuli_Chr04	NC_021163.1	30721736	GG	TT	TT	INTERGENIC		
SNP_18700B_30726938	Ca_Kabuli_Chr04	NC_021163.1	30726938	TT	CC	CC	INTERGENIC		
SNP_18701B_30735735	Ca_Kabuli_Chr04	NC_021163.1	30735735	AA	GG	GG	INTERGENIC		
SNP_18702B_30735991	Ca_Kabuli_Chr04	NC_021163.1	30735991	GG	CC	CC	INTERGENIC		
SNP_18703B_30739171	Ca_Kabuli_Chr04	NC_021163.1	30739171	AA	GG	GG	INTERGENIC		
SNP_18704B_30739188	Ca_Kabuli_Chr04	NC_021163.1	30739188	AA	GG	GG	INTERGENIC		
SNP_18705B_30739210	Ca_Kabuli_Chr04	NC_021163.1	30739210	AA	TT	TT	INTERGENIC		
SNP_18706B_30741541	Ca_Kabuli_Chr04	NC_021163.1	30741541	GG	TT	TT	INTERGENIC		
SNP_18708B_30768458	Ca_Kabuli_Chr04	NC_021163.1	30768458	GG	TT	TT	INTERGENIC		
SNP_18710B_30776368	Ca_Kabuli_Chr04	NC_021163.1	30776368	GG	AA	AA	INTERGENIC		
SNP_18711B_30795094	Ca_Kabuli_Chr04	NC_021163.1	30795094	TT	CC	CC	INTERGENIC		
SNP_18712B_30799090	Ca_Kabuli_Chr04	NC_021163.1	30799090	TT	CC	CC	INTERGENIC		
SNP_18714B_30827427	Ca_Kabuli_Chr04	NC_021163.1	30827427	GG	AA	AA	INTERGENIC		
SNP_18715B_30827437	Ca_Kabuli_Chr04	NC_021163.1	30827437	GG	TT	TT	INTERGENIC		
SNP_18716B_30828938	Ca_Kabuli_Chr04	NC_021163.1	30828938	TT	GG	GG	INTERGENIC		
SNP_18717B_30829404	Ca_Kabuli_Chr04	NC_021163.1	30829404	AA	GG	GG	INTERGENIC		
SNP_18718B_30829655	Ca_Kabuli_Chr04	NC_021163.1	30829655	TT	CC	CC	INTERGENIC		
SNP_18719B_30829672	Ca_Kabuli_Chr04	NC_021163.1	30829672	TT	GG	GG	INTERGENIC		
SNP_18720B_30829681	Ca_Kabuli_Chr04	NC_021163.1	30829681	AA	CC	CC	INTERGENIC		
SNP_18721B_30829877	Ca_Kabuli_Chr04	NC_021163.1	30829877	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_18722B_30829934	Ca_Kabuli_Chr04	NC_021163.1	30829934	GG	AA	AA	INTERGENIC		
SNP_18723B_30830250	Ca_Kabuli_Chr04	NC_021163.1	30830250	AA	TT	TT	INTERGENIC		
SNP_18724B_30843200	Ca_Kabuli_Chr04	NC_021163.1	30843200	CC	TT	TT	INTERGENIC		
SNP_18725B_30861531	Ca_Kabuli_Chr04	NC_021163.1	30861531	CC	TT	TT	INTERGENIC		
SNP_18726B_30861539	Ca_Kabuli_Chr04	NC_021163.1	30861539	GG	AA	AA	INTERGENIC		
SNP_18727B_30861554	Ca_Kabuli_Chr04	NC_021163.1	30861554	GG	AA	AA	INTERGENIC		
SNP_18728B_30863297	Ca_Kabuli_Chr04	NC_021163.1	30863297	GG	AA	AA	INTERGENIC		
SNP_18729B_30868439	Ca_Kabuli_Chr04	NC_021163.1	30868439	GG	AA	AA	INTERGENIC		
SNP_18730B_30870212	Ca_Kabuli_Chr04	NC_021163.1	30870212	GG	AA	AA	INTERGENIC		
SNP_18731B_30871493	Ca_Kabuli_Chr04	NC_021163.1	30871493	AA	TT	TT	INTERGENIC		
SNP_18732B_30872632	Ca_Kabuli_Chr04	NC_021163.1	30872632	AA	GG	GG	INTERGENIC		
SNP_18733B_30872646	Ca_Kabuli_Chr04	NC_021163.1	30872646	GG	TT	TT	INTERGENIC		
SNP_18734B_30874557	Ca_Kabuli_Chr04	NC_021163.1	30874557	GG	AA	AA	INTERGENIC		
SNP_18735B_30883391	Ca_Kabuli_Chr04	NC_021163.1	30883391	AA	CC	CC	URR	101513486	agamous-like MADS-box protein AGL62
SNP_18737B_30883532	Ca_Kabuli_Chr04	NC_021163.1	30883532	CC	TT	TT	INTERGENIC		
SNP_18738B_30897428	Ca_Kabuli_Chr04	NC_021163.1	30897428	TT	CC	CC	INTERGENIC		
SNP_18739B_30897574	Ca_Kabuli_Chr04	NC_021163.1	30897574	TT	CC	CC	INTERGENIC		
SNP_18740B_30897584	Ca_Kabuli_Chr04	NC_021163.1	30897584	TT	AA	AA	INTERGENIC		
SNP_18741B_30897870	Ca_Kabuli_Chr04	NC_021163.1	30897870	AA	GG	GG	INTERGENIC		
SNP_18742B_30897873	Ca_Kabuli_Chr04	NC_021163.1	30897873	TT	GG	GG	INTERGENIC		
SNP_18743B_30898028	Ca_Kabuli_Chr04	NC_021163.1	30898028	CC	AA	AA	INTERGENIC		
SNP_18744B_30918821	Ca_Kabuli_Chr04	NC_021163.1	30918821	TT	GG	GG	INTERGENIC		
SNP_18745B_30924415	Ca_Kabuli_Chr04	NC_021163.1	30924415	AA	GG	GG	INTERGENIC		
SNP_18747B_30952909	Ca_Kabuli_Chr04	NC_021163.1	30952909	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_18748B_30954512	Ca_Kabuli_Chr04	NC_021163.1	30954512	AA	GG	GG	INTERGENIC		
SNP_18750B_30956472	Ca_Kabuli_Chr04	NC_021163.1	30956472	GG	AA	AA	INTERGENIC		
SNP_18752B_30958534	Ca_Kabuli_Chr04	NC_021163.1	30958534	AA	TT	TT	INTERGENIC		
SNP_18753B_30980299	Ca_Kabuli_Chr04	NC_021163.1	30980299	CC	GG	GG	INTERGENIC		
SNP_18754B_30980344	Ca_Kabuli_Chr04	NC_021163.1	30980344	CC	TT	TT	INTERGENIC		
SNP_18755B_30980357	Ca_Kabuli_Chr04	NC_021163.1	30980357	CC	TT	TT	INTERGENIC		
SNP_18756B_30980363	Ca_Kabuli_Chr04	NC_021163.1	30980363	CC	TT	TT	INTERGENIC		
SNP_18757B_30982341	Ca_Kabuli_Chr04	NC_021163.1	30982341	GG	AA	AA	INTERGENIC		
SNP_18758B_30982606	Ca_Kabuli_Chr04	NC_021163.1	30982606	GG	AA	AA	INTERGENIC		
SNP_18759B_30982877	Ca_Kabuli_Chr04	NC_021163.1	30982877	AA	TT	TT	INTERGENIC		
SNP_18760B_30982993	Ca_Kabuli_Chr04	NC_021163.1	30982993	CC	AA	AA	INTERGENIC		
SNP_18761B_30998109	Ca_Kabuli_Chr04	NC_021163.1	30998109	AA	GG	GG	INTERGENIC		
SNP_18762B_31000144	Ca_Kabuli_Chr04	NC_021163.1	31000144	CC	AA	AA	INTERGENIC		
SNP_18763B_31001287	Ca_Kabuli_Chr04	NC_021163.1	31001287	GG	AA	AA	INTERGENIC		
SNP_18764B_31001425	Ca_Kabuli_Chr04	NC_021163.1	31001425	AA	GG	GG	INTERGENIC		
SNP_18765B_31026590	Ca_Kabuli_Chr04	NC_021163.1	31026590	TT	GG	GG	INTRON	101515765	uncharacterized LOC101515765
SNP_18766B_31026618	Ca_Kabuli_Chr04	NC_021163.1	31026618	CC	TT	TT	INTRON	101515765	uncharacterized LOC101515765
SNP_18767B_31026663	Ca_Kabuli_Chr04	NC_021163.1	31026663	TT	CC	CC	INTRON	101515765	uncharacterized LOC101515765
SNP_18768B_31053622	Ca_Kabuli_Chr04	NC_021163.1	31053622	CC	TT	TT	INTERGENIC		
SNP_18769B_31053660	Ca_Kabuli_Chr04	NC_021163.1	31053660	AA	TT	TT	INTERGENIC		
SNP_18770B_31053862	Ca_Kabuli_Chr04	NC_021163.1	31053862	CC	GG	GG	INTERGENIC		
SNP_18771B_31055787	Ca_Kabuli_Chr04	NC_021163.1	31055787	AA	GG	GG	INTERGENIC		
SNP_18772B_31056417	Ca_Kabuli_Chr04	NC_021163.1	31056417	GG	AA	AA	INTERGENIC		
SNP_18773B_31056418	Ca_Kabuli_Chr04	NC_021163.1	31056418	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_18774B_31057610	Ca_Kabuli_Chr04	NC_021163.1	31057610	GG	CC	CC	INTERGENIC		
SNP_18775B_31057623	Ca_Kabuli_Chr04	NC_021163.1	31057623	AA	CC	CC	INTERGENIC		
SNP_18776B_31061191	Ca_Kabuli_Chr04	NC_021163.1	31061191	CC	TT	TT	INTERGENIC		
SNP_18777B_31061211	Ca_Kabuli_Chr04	NC_021163.1	31061211	AA	CC	CC	INTERGENIC		
SNP_18778B_31061287	Ca_Kabuli_Chr04	NC_021163.1	31061287	GG	AA	AA	INTERGENIC		
SNP_18779B_31061293	Ca_Kabuli_Chr04	NC_021163.1	31061293	GG	AA	AA	INTERGENIC		
SNP_18780B_31061295	Ca_Kabuli_Chr04	NC_021163.1	31061295	GG	TT	TT	INTERGENIC		
SNP_18781B_31061445	Ca_Kabuli_Chr04	NC_021163.1	31061445	AA	GG	GG	INTERGENIC		
SNP_18782B_31061499	Ca_Kabuli_Chr04	NC_021163.1	31061499	CC	GG	GG	INTERGENIC		
SNP_18783B_31066094	Ca_Kabuli_Chr04	NC_021163.1	31066094	TT	GG	GG	NON_SYNONYMOUS_CODING	101501375	cytochrome P450 93A3-like
SNP_18784B_31066124	Ca_Kabuli_Chr04	NC_021163.1	31066124	AA	GG	GG	NON_SYNONYMOUS_CODING	101501375	cytochrome P450 93A3-like
SNP_18785B_31066169	Ca_Kabuli_Chr04	NC_021163.1	31066169	TT	AA	AA	NON_SYNONYMOUS_CODING	101501375	cytochrome P450 93A3-like
SNP_18786B_31075612	Ca_Kabuli_Chr04	NC_021163.1	31075612	TT	CC	CC	INTERGENIC		
SNP_18787B_31079279	Ca_Kabuli_Chr04	NC_021163.1	31079279	TT	GG	GG	INTERGENIC		
SNP_18789B_31101614	Ca_Kabuli_Chr04	NC_021163.1	31101614	TT	GG	GG	INTERGENIC		
SNP_18790B_31104667	Ca_Kabuli_Chr04	NC_021163.1	31104667	TT	AA	AA	INTRON	101501691	ras-related protein RABA4d
SNP_18791B_31104713	Ca_Kabuli_Chr04	NC_021163.1	31104713	CC	AA	AA	INTRON	101501691	ras-related protein RABA4d
SNP_18792B_31106918	Ca_Kabuli_Chr04	NC_021163.1	31106918	TT	GG	GG	URR	101501691	ras-related protein RABA4d
SNP_18793B_31108537	Ca_Kabuli_Chr04	NC_021163.1	31108537	AA	GG	GG	INTERGENIC		
SNP_18794B_31108746	Ca_Kabuli_Chr04	NC_021163.1	31108746	CC	AA	AA	INTERGENIC		
SNP_18795B_31109565	Ca_Kabuli_Chr04	NC_021163.1	31109565	CC	GG	GG	INTERGENIC		
SNP_18796B_31111559	Ca_Kabuli_Chr04	NC_021163.1	31111559	AA	CC	CC	INTERGENIC		
SNP_18797B_31113212	Ca_Kabuli_Chr04	NC_021163.1	31113212	GG	AA	AA	INTERGENIC		
SNP_18798B_31113220	Ca_Kabuli_Chr04	NC_021163.1	31113220	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_18799B_31114745	Ca_Kabuli_Chr04	NC_021163.1	31114745	CC	AA	AA	INTERGENIC		
SNP_18800B_31115621	Ca_Kabuli_Chr04	NC_021163.1	31115621	GG	AA	AA	INTERGENIC		
SNP_18801B_31115627	Ca_Kabuli_Chr04	NC_021163.1	31115627	AA	CC	CC	INTERGENIC		
SNP_18802B_31115900	Ca_Kabuli_Chr04	NC_021163.1	31115900	GG	TT	TT	INTERGENIC		
SNP_18803B_31118051	Ca_Kabuli_Chr04	NC_021163.1	31118051	GG	AA	AA	INTERGENIC		
SNP_18804B_31118062	Ca_Kabuli_Chr04	NC_021163.1	31118062	CC	AA	AA	INTERGENIC		
SNP_18807B_31119311	Ca_Kabuli_Chr04	NC_021163.1	31119311	AA	TT	TT	INTERGENIC		
SNP_18808B_31120635	Ca_Kabuli_Chr04	NC_021163.1	31120635	GG	AA	AA	INTERGENIC		
SNP_18809B_31123659	Ca_Kabuli_Chr04	NC_021163.1	31123659	AA	GG	GG	INTERGENIC		
SNP_18810B_31123684	Ca_Kabuli_Chr04	NC_021163.1	31123684	GG	AA	AA	INTERGENIC		
SNP_18811B_31124590	Ca_Kabuli_Chr04	NC_021163.1	31124590	TT	GG	GG	INTERGENIC		
SNP_18812B_31124624	Ca_Kabuli_Chr04	NC_021163.1	31124624	CC	AA	AA	INTERGENIC		
SNP_18813B_31124926	Ca_Kabuli_Chr04	NC_021163.1	31124926	GG	AA	AA	INTERGENIC		
SNP_18814B_31127514	Ca_Kabuli_Chr04	NC_021163.1	31127514	CC	TT	TT	INTERGENIC		
SNP_18815B_31147737	Ca_Kabuli_Chr04	NC_021163.1	31147737	GG	AA	AA	INTERGENIC		
SNP_18816B_31157702	Ca_Kabuli_Chr04	NC_021163.1	31157702	AA	GG	GG	INTERGENIC		
SNP_18818B_31189832	Ca_Kabuli_Chr04	NC_021163.1	31189832	AA	GG	GG	INTERGENIC		
SNP_18820B_31207358	Ca_Kabuli_Chr04	NC_021163.1	31207358	GG	TT	TT	INTERGENIC		
SNP_18821B_31208013	Ca_Kabuli_Chr04	NC_021163.1	31208013	CC	TT	TT	INTERGENIC		
SNP_18822B_31222645	Ca_Kabuli_Chr04	NC_021163.1	31222645	AA	GG	GG	URR	101502655	OTU domain-containing protein At3g57810-like
SNP_18823B_31222868	Ca_Kabuli_Chr04	NC_021163.1	31222868	GG	AA	AA	URR	101502655	OTU domain-containing protein At3g57810-like
SNP_18824B_31223193	Ca_Kabuli_Chr04	NC_021163.1	31223193	TT	CC	CC	DRR	101502969	internal alternative NAD(P)H-ubiquinone oxidoreductase A2, mitochondrial-like
SNP_18825B_31225894	Ca_Kabuli_Chr04	NC_021163.1	31225894	GG	TT	TT	INTRON	101502969	internal alternative NAD(P)H-ubiquinone oxidoreductase A2, mitochondrial-like
SNP_18828B_31252193	Ca_Kabuli_Chr04	NC_021163.1	31252193	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_18829B_31254281	Ca_Kabuli_Chr04	NC_021163.1	31254281	GG	AA	AA	DRR	101503292	putative pentatricopeptide repeat-containing protein At3g13770, mitochondrial
SNP_18830B_31259323	Ca_Kabuli_Chr04	NC_021163.1	31259323	TT	CC	CC	URR	101503292	putative pentatricopeptide repeat-containing protein At3g13770, mitochondrial
SNP_18831B_31259336	Ca_Kabuli_Chr04	NC_021163.1	31259336	AA	GG	GG	URR	101503292	putative pentatricopeptide repeat-containing protein At3g13770, mitochondrial
SNP_18833B_31270683	Ca_Kabuli_Chr04	NC_021163.1	31270683	TT	CC	CC	INTERGENIC		
SNP_18834B_31276944	Ca_Kabuli_Chr04	NC_021163.1	31276944	GG	AA	AA	INTERGENIC		
SNP_18835B_31285193	Ca_Kabuli_Chr04	NC_021163.1	31285193	TT	GG	GG	INTERGENIC		
SNP_18836B_31290951	Ca_Kabuli_Chr04	NC_021163.1	31290951	TT	GG	GG	INTERGENIC		
SNP_18837B_31291340	Ca_Kabuli_Chr04	NC_021163.1	31291340	CC	AA	AA	INTERGENIC		
SNP_18838B_31296040	Ca_Kabuli_Chr04	NC_021163.1	31296040	AA	TT	TT	INTERGENIC		
SNP_18839B_31296067	Ca_Kabuli_Chr04	NC_021163.1	31296067	TT	AA	AA	INTERGENIC		
SNP_18840B_31296431	Ca_Kabuli_Chr04	NC_021163.1	31296431	GG	CC	CC	INTERGENIC		
SNP_18842B_31311968	Ca_Kabuli_Chr04	NC_021163.1	31311968	TT	CC	CC	INTERGENIC		
SNP_18843B_31312392	Ca_Kabuli_Chr04	NC_021163.1	31312392	AA	CC	CC	INTERGENIC		
SNP_18845B_31318328	Ca_Kabuli_Chr04	NC_021163.1	31318328	GG	AA	AA	INTERGENIC		
SNP_18846B_31318336	Ca_Kabuli_Chr04	NC_021163.1	31318336	CC	TT	TT	INTERGENIC		
SNP_18847B_31333492	Ca_Kabuli_Chr04	NC_021163.1	31333492	AA	TT	TT	INTERGENIC		
SNP_18848B_31367904	Ca_Kabuli_Chr04	NC_021163.1	31367904	TT	CC	CC	INTERGENIC		
SNP_18849B_31384516	Ca_Kabuli_Chr04	NC_021163.1	31384516	AA	GG	GG	INTRON	101491139	Unknown function
SNP_18850B_31388593	Ca_Kabuli_Chr04	NC_021163.1	31388593	TT	GG	GG	INTRON	101491139	Unknown function
SNP_18851B_31400928	Ca_Kabuli_Chr04	NC_021163.1	31400928	AA	GG	GG	URR	101491761	uncharacterized LOC101491761
SNP_18852B_31425097	Ca_Kabuli_Chr04	NC_021163.1	31425097	TT	CC	CC	SYNONYMOUS_CODING	101492762	uncharacterized LOC101492762
SNP_18853B_31444983	Ca_Kabuli_Chr04	NC_021163.1	31444983	TT	CC	CC	INTERGENIC		
SNP_18854B_31445165	Ca_Kabuli_Chr04	NC_021163.1	31445165	TT	CC	CC	INTERGENIC		
SNP_18855B_31445198	Ca_Kabuli_Chr04	NC_021163.1	31445198	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_18856B_31445200	Ca_Kabuli_Chr04	NC_021163.1	31445200	AA	GG	GG	INTERGENIC		
SNP_18857B_31445232	Ca_Kabuli_Chr04	NC_021163.1	31445232	TT	CC	CC	INTERGENIC		
SNP_18858B_31445237	Ca_Kabuli_Chr04	NC_021163.1	31445237	TT	AA	AA	INTERGENIC		
SNP_18860B_31467918	Ca_Kabuli_Chr04	NC_021163.1	31467918	TT	CC	CC	INTERGENIC		
SNP_18861B_31470393	Ca_Kabuli_Chr04	NC_021163.1	31470393	GG	AA	AA	INTERGENIC		
SNP_18863B_31558693	Ca_Kabuli_Chr04	NC_021163.1	31558693	TT	GG	GG	INTERGENIC		
SNP_18864B_31561325	Ca_Kabuli_Chr04	NC_021163.1	31561325	AA	GG	GG	INTERGENIC		
SNP_18865B_31567853	Ca_Kabuli_Chr04	NC_021163.1	31567853	AA	TT	TT	URR	101493425	multiple organellar RNA editing factor 2, chloroplastic-like
SNP_18866B_31571350	Ca_Kabuli_Chr04	NC_021163.1	31571350	AA	GG	GG	URR	101509075	uncharacterized LOC101509075
SNP_18867B_31578577	Ca_Kabuli_Chr04	NC_021163.1	31578577	AA	GG	GG	INTERGENIC		
SNP_18868B_31578579	Ca_Kabuli_Chr04	NC_021163.1	31578579	CC	TT	TT	INTERGENIC		
SNP_18869B_31578906	Ca_Kabuli_Chr04	NC_021163.1	31578906	CC	TT	TT	INTERGENIC		
SNP_18870B_31579229	Ca_Kabuli_Chr04	NC_021163.1	31579229	AA	GG	GG	INTERGENIC		
SNP_18871B_31590645	Ca_Kabuli_Chr04	NC_021163.1	31590645	CC	TT	TT	INTRON	101493745	splicing factor U2af large subunit B-like
SNP_18872B_31611826	Ca_Kabuli_Chr04	NC_021163.1	31611826	GG	AA	AA	INTERGENIC		
SNP_18875B_31619071	Ca_Kabuli_Chr04	NC_021163.1	31619071	CC	TT	TT	INTERGENIC		
SNP_18876B_31619386	Ca_Kabuli_Chr04	NC_021163.1	31619386	CC	TT	TT	INTERGENIC		
SNP_18877B_31620618	Ca_Kabuli_Chr04	NC_021163.1	31620618	TT	CC	CC	INTERGENIC		
SNP_18878B_31623663	Ca_Kabuli_Chr04	NC_021163.1	31623663	AA	TT	TT	INTERGENIC		
SNP_18879B_31623696	Ca_Kabuli_Chr04	NC_021163.1	31623696	CC	TT	TT	INTERGENIC		
SNP_18880B_31626549	Ca_Kabuli_Chr04	NC_021163.1	31626549	GG	TT	TT	INTERGENIC		
SNP_18881B_31626624	Ca_Kabuli_Chr04	NC_021163.1	31626624	AA	GG	GG	INTERGENIC		
SNP_18882B_31628144	Ca_Kabuli_Chr04	NC_021163.1	31628144	CC	GG	GG	INTERGENIC		
SNP_18883B_31628194	Ca_Kabuli_Chr04	NC_021163.1	31628194	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_18884B_31634058	Ca_Kabuli_Chr04	NC_021163.1	31634058	TT	AA	AA	INTERGENIC		
SNP_18885B_31634065	Ca_Kabuli_Chr04	NC_021163.1	31634065	GG	AA	AA	INTERGENIC		
SNP_18887B_31649256	Ca_Kabuli_Chr04	NC_021163.1	31649256	TT	CC	CC	INTRON	101494472	phosphate transporter PHO1-like
SNP_18889B_31684236	Ca_Kabuli_Chr04	NC_021163.1	31684236	CC	AA	AA	INTERGENIC		
SNP_18890B_31684340	Ca_Kabuli_Chr04	NC_021163.1	31684340	AA	TT	TT	INTERGENIC		
SNP_18891B_31713214	Ca_Kabuli_Chr04	NC_021163.1	31713214	TT	CC	CC	INTERGENIC		
SNP_18892B_31734024	Ca_Kabuli_Chr04	NC_021163.1	31734024	CC	AA	AA	URR	101495661	glycolipid transfer protein 1-like
SNP_18893B_31745366	Ca_Kabuli_Chr04	NC_021163.1	31745366	CC	AA	AA	INTERGENIC		
SNP_18894B_31753402	Ca_Kabuli_Chr04	NC_021163.1	31753402	AA	GG	GG	INTERGENIC		
SNP_18895B_31759332	Ca_Kabuli_Chr04	NC_021163.1	31759332	AA	GG	GG	INTRON	101510376	F-box/kelch-repeat protein At1g55270-like
SNP_18896B_31769855	Ca_Kabuli_Chr04	NC_021163.1	31769855	TT	AA	AA	INTERGENIC		
SNP_18897B_31775130	Ca_Kabuli_Chr04	NC_021163.1	31775130	TT	CC	CC	INTERGENIC		
SNP_18898B_31775157	Ca_Kabuli_Chr04	NC_021163.1	31775157	TT	GG	GG	INTERGENIC		
SNP_18900B_31780432	Ca_Kabuli_Chr04	NC_021163.1	31780432	GG	AA	AA	INTERGENIC		
SNP_18901B_31781847	Ca_Kabuli_Chr04	NC_021163.1	31781847	AA	TT	TT	INTERGENIC		
SNP_18902B_31781857	Ca_Kabuli_Chr04	NC_021163.1	31781857	TT	CC	CC	INTERGENIC		
SNP_18903B_31790030	Ca_Kabuli_Chr04	NC_021163.1	31790030	TT	GG	GG	INTERGENIC		
SNP_18904B_31803228	Ca_Kabuli_Chr04	NC_021163.1	31803228	CC	AA	AA	INTERGENIC		
SNP_18906B_31807419	Ca_Kabuli_Chr04	NC_021163.1	31807419	CC	AA	AA	INTERGENIC		
SNP_18907B_31807506	Ca_Kabuli_Chr04	NC_021163.1	31807506	AA	CC	CC	INTERGENIC		
SNP_18909B_31831634	Ca_Kabuli_Chr04	NC_021163.1	31831634	CC	TT	TT	INTRON	101511025	uncharacterized LOC101511025
SNP_18910B_31831837	Ca_Kabuli_Chr04	NC_021163.1	31831837	AA	TT	TT	INTRON	101511025	uncharacterized LOC101511025
SNP_18911B_31832079	Ca_Kabuli_Chr04	NC_021163.1	31832079	TT	CC	CC	SYNONYMOUS_CODING	101511025	uncharacterized LOC101511025
SNP_18912B_31852159	Ca_Kabuli_Chr04	NC_021163.1	31852159	AA	CC	CC	INTRON	101496762	uncharacterized LOC101496762

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_18914B_31881527	Ca_Kabuli_Chr04	NC_021163.1	31881527	TT	GG	GG	URR	101497529	serine/threonine-protein phosphatase 5
SNP_18915B_31910002	Ca_Kabuli_Chr04	NC_021163.1	31910002	TT	GG	GG	INTERGENIC		
SNP_18916B_31911863	Ca_Kabuli_Chr04	NC_021163.1	31911863	CC	TT	TT	INTERGENIC		
SNP_18917B_31916541	Ca_Kabuli_Chr04	NC_021163.1	31916541	AA	CC	GG	DRR	101511655	uncharacterized protein At4g04775-like
SNP_18918B_31929055	Ca_Kabuli_Chr04	NC_021163.1	31929055	AA	TT	TT	INTRON	101511977	probable polygalacturonase At3g15720
SNP_18919B_31932165	Ca_Kabuli_Chr04	NC_021163.1	31932165	CC	TT	TT	INTERGENIC		
SNP_18920B_31938071	Ca_Kabuli_Chr04	NC_021163.1	31938071	AA	CC	CC	NON_SYNONYMOUS_CODING	101512306	Unknown function
SNP_18921B_31941768	Ca_Kabuli_Chr04	NC_021163.1	31941768	AA	GG	GG	INTERGENIC		
SNP_18922B_31948705	Ca_Kabuli_Chr04	NC_021163.1	31948705	TT	GG	GG	INTRON	101512946	protein jagged-1b-like
SNP_18923B_31954628	Ca_Kabuli_Chr04	NC_021163.1	31954628	AA	GG	GG	INTRON	101512946	protein jagged-1b-like
SNP_18924B_31954629	Ca_Kabuli_Chr04	NC_021163.1	31954629	CC	TT	TT	INTRON	101512946	protein jagged-1b-like
SNP_18925B_31962515	Ca_Kabuli_Chr04	NC_021163.1	31962515	CC	TT	TT	INTRON	101512946	protein jagged-1b-like
SNP_18926B_31962963	Ca_Kabuli_Chr04	NC_021163.1	31962963	CC	TT	TT	INTRON	101512946	protein jagged-1b-like
SNP_18927B_31962965	Ca_Kabuli_Chr04	NC_021163.1	31962965	GG	TT	TT	INTRON	101512946	protein jagged-1b-like
SNP_18928B_31963404	Ca_Kabuli_Chr04	NC_021163.1	31963404	CC	TT	TT	INTRON	101512946	protein jagged-1b-like
SNP_18929B_31969907	Ca_Kabuli_Chr04	NC_021163.1	31969907	AA	CC	CC	NON_SYNONYMOUS_CODING	101512946	protein jagged-1b-like
SNP_18930B_31973553	Ca_Kabuli_Chr04	NC_021163.1	31973553	CC	TT	TT	INTERGENIC		
SNP_18931B_31973554	Ca_Kabuli_Chr04	NC_021163.1	31973554	AA	TT	TT	INTERGENIC		
SNP_18932B_31973579	Ca_Kabuli_Chr04	NC_021163.1	31973579	AA	GG	GG	INTERGENIC		
SNP_18933B_31973581	Ca_Kabuli_Chr04	NC_021163.1	31973581	TT	CC	CC	INTERGENIC		
SNP_18934B_31973585	Ca_Kabuli_Chr04	NC_021163.1	31973585	AA	GG	GG	INTERGENIC		
SNP_18935B_31978823	Ca_Kabuli_Chr04	NC_021163.1	31978823	TT	GG	GG	INTERGENIC		
SNP_18936B_31978827	Ca_Kabuli_Chr04	NC_021163.1	31978827	CC	AA	AA	INTERGENIC		
SNP_18937B_31978845	Ca_Kabuli_Chr04	NC_021163.1	31978845	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_18939B_31989655	Ca_Kabuli_Chr04	NC_021163.1	31989655	TT	GG	GG	URR	101498404	CCR4-NOT transcription complex subunit 11
SNP_18940B_31989786	Ca_Kabuli_Chr04	NC_021163.1	31989786	AA	GG	GG	URR	101498404	CCR4-NOT transcription complex subunit 11
SNP_18941B_31990086	Ca_Kabuli_Chr04	NC_021163.1	31990086	TT	GG	GG	INTERGENIC		
SNP_18942B_31991222	Ca_Kabuli_Chr04	NC_021163.1	31991222	AA	CC	CC	INTERGENIC		
SNP_18943B_31998044	Ca_Kabuli_Chr04	NC_021163.1	31998044	GG	AA	AA	INTERGENIC		
SNP_18944B_31998672	Ca_Kabuli_Chr04	NC_021163.1	31998672	GG	CC	CC	INTERGENIC		
SNP_18945B_31999386	Ca_Kabuli_Chr04	NC_021163.1	31999386	CC	TT	TT	INTERGENIC		
SNP_18946B_31999454	Ca_Kabuli_Chr04	NC_021163.1	31999454	AA	GG	GG	INTERGENIC		
SNP_18947B_32000133	Ca_Kabuli_Chr04	NC_021163.1	32000133	GG	AA	AA	INTERGENIC		
SNP_18948B_32000242	Ca_Kabuli_Chr04	NC_021163.1	32000242	GG	AA	AA	INTERGENIC		
SNP_18949B_32001798	Ca_Kabuli_Chr04	NC_021163.1	32001798	TT	CC	CC	INTERGENIC		
SNP_18950B_32002086	Ca_Kabuli_Chr04	NC_021163.1	32002086	TT	CC	CC	INTERGENIC		
SNP_18951B_32002516	Ca_Kabuli_Chr04	NC_021163.1	32002516	CC	TT	TT	INTERGENIC		
SNP_18952B_32002539	Ca_Kabuli_Chr04	NC_021163.1	32002539	TT	CC	CC	INTERGENIC		
SNP_18953B_32002559	Ca_Kabuli_Chr04	NC_021163.1	32002559	CC	TT	TT	INTERGENIC		
SNP_18954B_32004209	Ca_Kabuli_Chr04	NC_021163.1	32004209	AA	GG	GG	INTERGENIC		
SNP_18955B_32005186	Ca_Kabuli_Chr04	NC_021163.1	32005186	CC	TT	TT	INTERGENIC		
SNP_18956B_32006523	Ca_Kabuli_Chr04	NC_021163.1	32006523	GG	CC	CC	INTERGENIC		
SNP_18957B_32008705	Ca_Kabuli_Chr04	NC_021163.1	32008705	TT	CC	CC	INTERGENIC		
SNP_18958B_32009024	Ca_Kabuli_Chr04	NC_021163.1	32009024	GG	AA	AA	INTERGENIC		
SNP_18959B_32011989	Ca_Kabuli_Chr04	NC_021163.1	32011989	AA	CC	CC	INTERGENIC		
SNP_18960B_32012035	Ca_Kabuli_Chr04	NC_021163.1	32012035	CC	GG	GG	INTERGENIC		
SNP_18961B_32014632	Ca_Kabuli_Chr04	NC_021163.1	32014632	TT	CC	CC	INTERGENIC		
SNP_18962B_32015980	Ca_Kabuli_Chr04	NC_021163.1	32015980	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_18963B_32016005	Ca_Kabuli_Chr04	NC_021163.1	32016005	TT	CC	CC	INTERGENIC		
SNP_18965B_32017314	Ca_Kabuli_Chr04	NC_021163.1	32017314	AA	GG	GG	INTERGENIC		
SNP_18966B_32017474	Ca_Kabuli_Chr04	NC_021163.1	32017474	AA	GG	GG	INTERGENIC		
SNP_18967B_32018283	Ca_Kabuli_Chr04	NC_021163.1	32018283	AA	TT	TT	INTERGENIC		
SNP_18968B_32018286	Ca_Kabuli_Chr04	NC_021163.1	32018286	TT	AA	AA	INTERGENIC		
SNP_18969B_32031837	Ca_Kabuli_Chr04	NC_021163.1	32031837	AA	GG	GG	INTERGENIC		
SNP_18970B_32031912	Ca_Kabuli_Chr04	NC_021163.1	32031912	CC	TT	TT	INTERGENIC		
SNP_18971B_32032014	Ca_Kabuli_Chr04	NC_021163.1	32032014	TT	CC	CC	INTERGENIC		
SNP_18972B_32032074	Ca_Kabuli_Chr04	NC_021163.1	32032074	GG	AA	AA	INTERGENIC		
SNP_18973B_32038032	Ca_Kabuli_Chr04	NC_021163.1	32038032	GG	CC	CC	INTERGENIC		
SNP_18975B_32038241	Ca_Kabuli_Chr04	NC_021163.1	32038241	AA	GG	GG	INTERGENIC		
SNP_18976B_32043237	Ca_Kabuli_Chr04	NC_021163.1	32043237	GG	AA	AA	INTRON	101499062	uncharacterized LOC101499062
SNP_18979B_32057316	Ca_Kabuli_Chr04	NC_021163.1	32057316	TT	CC	CC	INTERGENIC		
SNP_18981B_32060411	Ca_Kabuli_Chr04	NC_021163.1	32060411	CC	TT	TT	DRR	101499374	stem-specific protein TSJT1-like
SNP_18982B_32060420	Ca_Kabuli_Chr04	NC_021163.1	32060420	GG	CC	CC	DRR	101499374	stem-specific protein TSJT1-like
SNP_18983B_32067401	Ca_Kabuli_Chr04	NC_021163.1	32067401	GG	AA	AA	DRR	101499682	ankyrin repeat-containing protein P16F5.05c-like
SNP_18984B_32083185	Ca_Kabuli_Chr04	NC_021163.1	32083185	AA	GG	GG	URR	101513272	Unknown function
SNP_18985B_32083299	Ca_Kabuli_Chr04	NC_021163.1	32083299	AA	GG	GG	URR	101513272	Unknown function
SNP_18986B_32083302	Ca_Kabuli_Chr04	NC_021163.1	32083302	AA	TT	TT	URR	101513272	Unknown function
SNP_18987B_32083354	Ca_Kabuli_Chr04	NC_021163.1	32083354	GG	AA	AA	URR	101513272	Unknown function
SNP_18988B_32083372	Ca_Kabuli_Chr04	NC_021163.1	32083372	GG	AA	AA	URR	101513272	Unknown function
SNP_18989B_32083421	Ca_Kabuli_Chr04	NC_021163.1	32083421	AA	GG	GG	URR	101513272	Unknown function
SNP_18990B_32083491	Ca_Kabuli_Chr04	NC_021163.1	32083491	AA	GG	GG	URR	101513272	Unknown function
SNP_18991B_32083500	Ca_Kabuli_Chr04	NC_021163.1	32083500	GG	AA	AA	URR	101513272	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_18992B_32083760	Ca_Kabuli_Chr04	NC_021163.1	32083760	AA	GG	GG	URR	101513272	Unknown function
SNP_18993B_32083774	Ca_Kabuli_Chr04	NC_021163.1	32083774	TT	CC	CC	URR	101513272	Unknown function
SNP_18994B_32085937	Ca_Kabuli_Chr04	NC_021163.1	32085937	CC	TT	TT	INTERGENIC		
SNP_18995B_32085938	Ca_Kabuli_Chr04	NC_021163.1	32085938	AA	GG	GG	INTERGENIC		
SNP_18996B_32103944	Ca_Kabuli_Chr04	NC_021163.1	32103944	AA	GG	GG	INTERGENIC		
SNP_18997B_32118559	Ca_Kabuli_Chr04	NC_021163.1	32118559	CC	AA	AA	INTERGENIC		
SNP_18999B_32122880	Ca_Kabuli_Chr04	NC_021163.1	32122880	TT	CC	CC	INTERGENIC		
SNP_19001B_32139329	Ca_Kabuli_Chr04	NC_021163.1	32139329	TT	CC	CC	INTERGENIC		
SNP_19002B_32141405	Ca_Kabuli_Chr04	NC_021163.1	32141405	AA	GG	GG	INTERGENIC		
SNP_19003B_32141411	Ca_Kabuli_Chr04	NC_021163.1	32141411	TT	GG	GG	INTERGENIC		
SNP_19004B_32141447	Ca_Kabuli_Chr04	NC_021163.1	32141447	CC	TT	TT	INTERGENIC		
SNP_19005B_32141475	Ca_Kabuli_Chr04	NC_021163.1	32141475	TT	GG	GG	INTERGENIC		
SNP_19007B_32149581	Ca_Kabuli_Chr04	NC_021163.1	32149581	GG	AA	AA	INTERGENIC		
SNP_19008B_32150022	Ca_Kabuli_Chr04	NC_021163.1	32150022	AA	TT	TT	INTERGENIC		
SNP_19009B_32150041	Ca_Kabuli_Chr04	NC_021163.1	32150041	CC	AA	AA	INTERGENIC		
SNP_19010B_32152250	Ca_Kabuli_Chr04	NC_021163.1	32152250	TT	AA	AA	INTERGENIC		
SNP_19011B_32152251	Ca_Kabuli_Chr04	NC_021163.1	32152251	TT	AA	AA	INTERGENIC		
SNP_19012B_32167684	Ca_Kabuli_Chr04	NC_021163.1	32167684	AA	GG	GG	INTERGENIC		
SNP_19013B_32167736	Ca_Kabuli_Chr04	NC_021163.1	32167736	GG	CC	CC	INTERGENIC		
SNP_19015B_32168230	Ca_Kabuli_Chr04	NC_021163.1	32168230	CC	AA	AA	INTERGENIC		
SNP_19016B_32168236	Ca_Kabuli_Chr04	NC_021163.1	32168236	GG	AA	AA	INTERGENIC		
SNP_19017B_32172724	Ca_Kabuli_Chr04	NC_021163.1	32172724	AA	GG	GG	INTRON	101500333	50S ribosomal protein L28, chloroplastic
SNP_19018B_32174625	Ca_Kabuli_Chr04	NC_021163.1	32174625	GG	TT	TT	URR	101500333	50S ribosomal protein L28, chloroplastic
SNP_19019B_32179598	Ca_Kabuli_Chr04	NC_021163.1	32179598	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_19020B_32179599	Ca_Kabuli_Chr04	NC_021163.1	32179599	AA	CC	CC	INTERGENIC		
SNP_19022B_32179674	Ca_Kabuli_Chr04	NC_021163.1	32179674	GG	TT	TT	INTERGENIC		
SNP_19024B_32203160	Ca_Kabuli_Chr04	NC_021163.1	32203160	GG	TT	TT	DRR	101501180	protein fluG-like
SNP_19025B_32204042	Ca_Kabuli_Chr04	NC_021163.1	32204042	GG	CC	CC	DRR	101501180	protein fluG-like
SNP_19026B_32206498	Ca_Kabuli_Chr04	NC_021163.1	32206498	CC	TT	TT	INTERGENIC		
SNP_19027B_32206524	Ca_Kabuli_Chr04	NC_021163.1	32206524	CC	AA	AA	INTERGENIC		
SNP_19028B_32206658	Ca_Kabuli_Chr04	NC_021163.1	32206658	AA	TT	TT	INTERGENIC		
SNP_19029B_32208797	Ca_Kabuli_Chr04	NC_021163.1	32208797	GG	AA	AA	URR	101501180	protein fluG-like
SNP_19030B_32209610	Ca_Kabuli_Chr04	NC_021163.1	32209610	TT	CC	CC	DRR	101514583	Unknown function
SNP_19031B_32209659	Ca_Kabuli_Chr04	NC_021163.1	32209659	GG	AA	AA	DRR	101514583	Unknown function
SNP_19032B_32211162	Ca_Kabuli_Chr04	NC_021163.1	32211162	CC	AA	AA	INTERGENIC		
SNP_19033B_32215685	Ca_Kabuli_Chr04	NC_021163.1	32215685	TT	AA	AA	INTERGENIC		
SNP_19034B_32215690	Ca_Kabuli_Chr04	NC_021163.1	32215690	CC	AA	AA	INTERGENIC		
SNP_19036B_32217897	Ca_Kabuli_Chr04	NC_021163.1	32217897	TT	CC	CC	URR	101501496	calmodulin-like protein 11
SNP_19037B_32218176	Ca_Kabuli_Chr04	NC_021163.1	32218176	GG	AA	AA	INTERGENIC		
SNP_19038B_32222431	Ca_Kabuli_Chr04	NC_021163.1	32222431	AA	GG	GG	INTERGENIC		
SNP_19039B_32223066	Ca_Kabuli_Chr04	NC_021163.1	32223066	TT	CC	CC	INTERGENIC		
SNP_19040B_32223074	Ca_Kabuli_Chr04	NC_021163.1	32223074	TT	GG	GG	INTERGENIC		
SNP_19041B_32223105	Ca_Kabuli_Chr04	NC_021163.1	32223105	TT	AA	AA	INTERGENIC		
SNP_19043B_32223228	Ca_Kabuli_Chr04	NC_021163.1	32223228	GG	TT	TT	INTERGENIC		
SNP_19044B_32223258	Ca_Kabuli_Chr04	NC_021163.1	32223258	TT	GG	GG	INTERGENIC		
SNP_19045B_32223292	Ca_Kabuli_Chr04	NC_021163.1	32223292	GG	AA	AA	INTERGENIC		
SNP_19046B_32223320	Ca_Kabuli_Chr04	NC_021163.1	32223320	CC	TT	TT	INTERGENIC		
SNP_19047B_32223430	Ca_Kabuli_Chr04	NC_021163.1	32223430	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_19048B_32223464	Ca_Kabuli_Chr04	NC_021163.1	32223464	GG	TT	TT	INTERGENIC		
SNP_19049B_32224305	Ca_Kabuli_Chr04	NC_021163.1	32224305	CC	TT	TT	INTERGENIC		
SNP_19050B_32224942	Ca_Kabuli_Chr04	NC_021163.1	32224942	CC	TT	TT	INTERGENIC		
SNP_19051B_32225231	Ca_Kabuli_Chr04	NC_021163.1	32225231	AA	GG	GG	INTERGENIC		
SNP_19053B_32227679	Ca_Kabuli_Chr04	NC_021163.1	32227679	GG	AA	AA	INTERGENIC		
SNP_19054B_32227759	Ca_Kabuli_Chr04	NC_021163.1	32227759	GG	AA	AA	INTERGENIC		
SNP_19055B_32231537	Ca_Kabuli_Chr04	NC_021163.1	32231537	GG	AA	AA	INTERGENIC		
SNP_19056B_32236177	Ca_Kabuli_Chr04	NC_021163.1	32236177	TT	AA	AA	INTERGENIC		
SNP_19057B_32236466	Ca_Kabuli_Chr04	NC_021163.1	32236466	AA	CC	CC	INTERGENIC		
SNP_19058B_32236498	Ca_Kabuli_Chr04	NC_021163.1	32236498	TT	CC	CC	INTERGENIC		
SNP_19059B_32238509	Ca_Kabuli_Chr04	NC_021163.1	32238509	TT	AA	AA	INTERGENIC		
SNP_19060B_32239443	Ca_Kabuli_Chr04	NC_021163.1	32239443	TT	CC	CC	INTERGENIC		
SNP_19063B_32256007	Ca_Kabuli_Chr04	NC_021163.1	32256007	GG	AA	AA	INTERGENIC		
SNP_19065B_32256327	Ca_Kabuli_Chr04	NC_021163.1	32256327	TT	CC	CC	INTERGENIC		
SNP_19066B_32264217	Ca_Kabuli_Chr04	NC_021163.1	32264217	CC	TT	TT	INTERGENIC		
SNP_19067B_32264256	Ca_Kabuli_Chr04	NC_021163.1	32264256	CC	TT	TT	INTERGENIC		
SNP_19068B_32264355	Ca_Kabuli_Chr04	NC_021163.1	32264355	TT	CC	CC	INTERGENIC		
SNP_19069B_32264654	Ca_Kabuli_Chr04	NC_021163.1	32264654	AA	CC	CC	INTERGENIC		
SNP_19070B_32264962	Ca_Kabuli_Chr04	NC_021163.1	32264962	TT	CC	CC	INTERGENIC		
SNP_19072B_32297848	Ca_Kabuli_Chr04	NC_021163.1	32297848	GG	AA	AA	DRR	101488310	cell division cycle 20.5, cofactor of APC complex-like
SNP_19074B_32335153	Ca_Kabuli_Chr04	NC_021163.1	32335153	TT	CC	CC	INTERGENIC		
SNP_19076B_32335220	Ca_Kabuli_Chr04	NC_021163.1	32335220	TT	AA	AA	INTERGENIC		
SNP_19077B_32335620	Ca_Kabuli_Chr04	NC_021163.1	32335620	CC	GG	GG	INTERGENIC		
SNP_19078B_32335699	Ca_Kabuli_Chr04	NC_021163.1	32335699	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_19079B_32335720	Ca_Kabuli_Chr04	NC_021163.1	32335720	CC	TT	TT	INTERGENIC		
SNP_19080B_32335742	Ca_Kabuli_Chr04	NC_021163.1	32335742	TT	GG	GG	INTERGENIC		
SNP_19081B_32365010	Ca_Kabuli_Chr04	NC_021163.1	32365010	TT	CC	CC	INTERGENIC		
SNP_19082B_32368333	Ca_Kabuli_Chr04	NC_021163.1	32368333	GG	CC	CC	INTERGENIC		
SNP_19083B_32373421	Ca_Kabuli_Chr04	NC_021163.1	32373421	CC	TT	TT	INTERGENIC		
SNP_19084B_32375471	Ca_Kabuli_Chr04	NC_021163.1	32375471	TT	CC	CC	INTERGENIC		
SNP_19085B_32375496	Ca_Kabuli_Chr04	NC_021163.1	32375496	GG	AA	AA	INTERGENIC		
SNP_19086B_32375500	Ca_Kabuli_Chr04	NC_021163.1	32375500	TT	CC	CC	INTERGENIC		
SNP_19087B_32376026	Ca_Kabuli_Chr04	NC_021163.1	32376026	GG	TT	TT	INTERGENIC		
SNP_19088B_32378137	Ca_Kabuli_Chr04	NC_021163.1	32378137	AA	GG	GG	INTERGENIC		
SNP_19089B_32378169	Ca_Kabuli_Chr04	NC_021163.1	32378169	TT	CC	CC	INTERGENIC		
SNP_19090B_32378580	Ca_Kabuli_Chr04	NC_021163.1	32378580	CC	TT	TT	INTERGENIC		
SNP_19091B_32381903	Ca_Kabuli_Chr04	NC_021163.1	32381903	TT	AA	AA	INTERGENIC		
SNP_19093B_32392330	Ca_Kabuli_Chr04	NC_021163.1	32392330	CC	TT	TT	URR	101505674	uncharacterized LOC101505674
SNP_19094B_32397804	Ca_Kabuli_Chr04	NC_021163.1	32397804	GG	AA	AA	INTERGENIC		
SNP_19095B_32398049	Ca_Kabuli_Chr04	NC_021163.1	32398049	GG	AA	AA	INTERGENIC		
SNP_19096B_32398075	Ca_Kabuli_Chr04	NC_021163.1	32398075	TT	CC	CC	INTERGENIC		
SNP_19097B_32412335	Ca_Kabuli_Chr04	NC_021163.1	32412335	AA	TT	TT	INTERGENIC		
SNP_19098B_32412339	Ca_Kabuli_Chr04	NC_021163.1	32412339	AA	TT	TT	INTERGENIC		
SNP_19099B_32412340	Ca_Kabuli_Chr04	NC_021163.1	32412340	GG	TT	TT	INTERGENIC		
SNP_19100B_32416917	Ca_Kabuli_Chr04	NC_021163.1	32416917	TT	CC	CC	INTERGENIC		
SNP_19101B_32422848	Ca_Kabuli_Chr04	NC_021163.1	32422848	GG	TT	TT	INTRON	101505343	armadillo repeat-containing protein LFR
SNP_19102B_32431971	Ca_Kabuli_Chr04	NC_021163.1	32431971	CC	TT	TT	URR	101505343	armadillo repeat-containing protein LFR
SNP_19103B_32432124	Ca_Kabuli_Chr04	NC_021163.1	32432124	GG	AA	AA	URR	101505343	armadillo repeat-containing protein LFR

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_19104B_32432148	Ca_Kabuli_Chr04	NC_021163.1	32432148	TT	CC	CC	INTERGENIC		
SNP_19105B_32432222	Ca_Kabuli_Chr04	NC_021163.1	32432222	TT	AA	AA	INTERGENIC		
SNP_19106B_32432422	Ca_Kabuli_Chr04	NC_021163.1	32432422	AA	GG	GG	INTERGENIC		
SNP_19107B_32458057	Ca_Kabuli_Chr04	NC_021163.1	32458057	GG	AA	AA	INTERGENIC		
SNP_19108B_32466717	Ca_Kabuli_Chr04	NC_021163.1	32466717	AA	CC	CC	URR	101505022	3-ketoacyl-CoA synthase 11-like
SNP_19109B_32470210	Ca_Kabuli_Chr04	NC_021163.1	32470210	GG	AA	AA	INTERGENIC		
SNP_19110B_32470231	Ca_Kabuli_Chr04	NC_021163.1	32470231	CC	TT	TT	INTERGENIC		
SNP_19111B_32474436	Ca_Kabuli_Chr04	NC_021163.1	32474436	GG	TT	TT	INTERGENIC		
SNP_19112B_32474735	Ca_Kabuli_Chr04	NC_021163.1	32474735	TT	CC	CC	INTERGENIC		
SNP_19113B_32474877	Ca_Kabuli_Chr04	NC_021163.1	32474877	AA	GG	GG	INTERGENIC		
SNP_19115B_32475095	Ca_Kabuli_Chr04	NC_021163.1	32475095	GG	AA	AA	INTERGENIC		
SNP_19116B_32481367	Ca_Kabuli_Chr04	NC_021163.1	32481367	GG	AA	AA	INTERGENIC		
SNP_19117B_32483357	Ca_Kabuli_Chr04	NC_021163.1	32483357	CC	AA	AA	INTERGENIC		
SNP_19118B_32483615	Ca_Kabuli_Chr04	NC_021163.1	32483615	AA	CC	CC	INTERGENIC		
SNP_19119B_32485524	Ca_Kabuli_Chr04	NC_021163.1	32485524	CC	TT	TT	INTERGENIC		
SNP_19120B_32492637	Ca_Kabuli_Chr04	NC_021163.1	32492637	CC	TT	TT	INTERGENIC		
SNP_19121B_32492642	Ca_Kabuli_Chr04	NC_021163.1	32492642	AA	GG	GG	INTERGENIC		
SNP_19122B_32494495	Ca_Kabuli_Chr04	NC_021163.1	32494495	AA	TT	TT	INTERGENIC		
SNP_19123B_32494741	Ca_Kabuli_Chr04	NC_021163.1	32494741	AA	TT	TT	INTERGENIC		
SNP_19124B_32494816	Ca_Kabuli_Chr04	NC_021163.1	32494816	AA	GG	GG	INTERGENIC		
SNP_19125B_32496960	Ca_Kabuli_Chr04	NC_021163.1	32496960	AA	CC	CC	INTERGENIC		
SNP_19126B_32500164	Ca_Kabuli_Chr04	NC_021163.1	32500164	AA	TT	TT	INTERGENIC		
SNP_19127B_32500454	Ca_Kabuli_Chr04	NC_021163.1	32500454	AA	TT	TT	INTERGENIC		
SNP_19128B_32509332	Ca_Kabuli_Chr04	NC_021163.1	32509332	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_19129B_32510536	Ca_Kabuli_Chr04	NC_021163.1	32510536	TT	CC	CC	INTERGENIC		
SNP_19130B_32510977	Ca_Kabuli_Chr04	NC_021163.1	32510977	TT	CC	CC	INTERGENIC		
SNP_19132B_32512774	Ca_Kabuli_Chr04	NC_021163.1	32512774	GG	AA	AA	INTERGENIC		
SNP_19133B_32513081	Ca_Kabuli_Chr04	NC_021163.1	32513081	AA	CC	CC	INTERGENIC		
SNP_19135B_32516418	Ca_Kabuli_Chr04	NC_021163.1	32516418	AA	GG	GG	INTERGENIC		
SNP_19136B_32522537	Ca_Kabuli_Chr04	NC_021163.1	32522537	TT	GG	GG	URR	101504697	uncharacterized LOC101504697
SNP_19137B_32523496	Ca_Kabuli_Chr04	NC_021163.1	32523496	GG	AA	AA	URR	101504697	uncharacterized LOC101504697
SNP_19138B_32523578	Ca_Kabuli_Chr04	NC_021163.1	32523578	TT	AA	AA	URR	101504697	uncharacterized LOC101504697
SNP_19140B_32525823	Ca_Kabuli_Chr04	NC_021163.1	32525823	AA	GG	GG	INTERGENIC		
SNP_19141B_32526905	Ca_Kabuli_Chr04	NC_021163.1	32526905	CC	TT	TT	INTERGENIC		
SNP_19142B_32531221	Ca_Kabuli_Chr04	NC_021163.1	32531221	CC	TT	TT	INTERGENIC		
SNP_19145B_32552919	Ca_Kabuli_Chr04	NC_021163.1	32552919	AA	GG	GG	INTERGENIC		
SNP_19146B_32559951	Ca_Kabuli_Chr04	NC_021163.1	32559951	TT	CC	CC	INTERGENIC		
SNP_19147B_32561953	Ca_Kabuli_Chr04	NC_021163.1	32561953	TT	CC	CC	INTERGENIC		
SNP_19148B_32562148	Ca_Kabuli_Chr04	NC_021163.1	32562148	GG	AA	AA	INTERGENIC		
SNP_19150B_32562586	Ca_Kabuli_Chr04	NC_021163.1	32562586	AA	GG	GG	DRR	101504371	CBL-interacting serine/threonine-protein kinase 4-like
SNP_19151B_32576558	Ca_Kabuli_Chr04	NC_021163.1	32576558	AA	CC	CC	INTERGENIC		
SNP_19152B_32576581	Ca_Kabuli_Chr04	NC_021163.1	32576581	TT	CC	CC	INTERGENIC		
SNP_19153B_32576622	Ca_Kabuli_Chr04	NC_021163.1	32576622	TT	AA	AA	INTERGENIC		
SNP_19154B_32576638	Ca_Kabuli_Chr04	NC_021163.1	32576638	AA	GG	GG	INTERGENIC		
SNP_19155B_32581366	Ca_Kabuli_Chr04	NC_021163.1	32581366	TT	GG	GG	INTERGENIC		
SNP_19156B_32581371	Ca_Kabuli_Chr04	NC_021163.1	32581371	TT	CC	CC	INTERGENIC		
SNP_19157B_32581393	Ca_Kabuli_Chr04	NC_021163.1	32581393	AA	GG	GG	INTERGENIC		
SNP_19158B_32581441	Ca_Kabuli_Chr04	NC_021163.1	32581441	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_19159B_32581442	Ca_Kabuli_Chr04	NC_021163.1	32581442	AA	GG	GG	INTERGENIC		
SNP_19160B_32581734	Ca_Kabuli_Chr04	NC_021163.1	32581734	GG	AA	AA	INTERGENIC		
SNP_19162B_32593013	Ca_Kabuli_Chr04	NC_021163.1	32593013	GG	AA	AA	INTERGENIC		
SNP_19163B_32597457	Ca_Kabuli_Chr04	NC_021163.1	32597457	AA	GG	GG	INTERGENIC		
SNP_19164B_32598208	Ca_Kabuli_Chr04	NC_021163.1	32598208	CC	TT	TT	INTERGENIC		
SNP_19165B_32603828	Ca_Kabuli_Chr04	NC_021163.1	32603828	CC	TT	TT	NON_SYNONYMOUS_CODING	101504058	pentatricopeptide repeat-containing protein At3g23020-like
SNP_19166B_32609695	Ca_Kabuli_Chr04	NC_021163.1	32609695	TT	CC	CC	INTERGENIC		
SNP_19167B_32609701	Ca_Kabuli_Chr04	NC_021163.1	32609701	CC	AA	AA	INTERGENIC		
SNP_19168B_32616185	Ca_Kabuli_Chr04	NC_021163.1	32616185	TT	CC	CC	INTERGENIC		
SNP_19169B_32621011	Ca_Kabuli_Chr04	NC_021163.1	32621011	TT	CC	CC	INTERGENIC		
SNP_19171B_32639860	Ca_Kabuli_Chr04	NC_021163.1	32639860	TT	CC	CC	URR	101490923	pentatricopeptide repeat-containing protein At1g52620-like
SNP_19172B_32640058	Ca_Kabuli_Chr04	NC_021163.1	32640058	CC	TT	TT	URR	101490923	pentatricopeptide repeat-containing protein At1g52620-like
SNP_19173B_32657648	Ca_Kabuli_Chr04	NC_021163.1	32657648	CC	TT	TT	INTERGENIC		
SNP_19175B_32673206	Ca_Kabuli_Chr04	NC_021163.1	32673206	TT	CC	CC	INTERGENIC		
SNP_19176B_32673237	Ca_Kabuli_Chr04	NC_021163.1	32673237	AA	GG	GG	INTERGENIC		
SNP_19178B_32717726	Ca_Kabuli_Chr04	NC_021163.1	32717726	TT	GG	GG	INTRON	101492209	Unknown function
SNP_19179B_32765112	Ca_Kabuli_Chr04	NC_021163.1	32765112	TT	CC	CC	NON_SYNONYMOUS_CODING	101492546	uncharacterized protein PB18E9.04c-like
SNP_19180B_32765146	Ca_Kabuli_Chr04	NC_021163.1	32765146	GG	AA	AA	NON_SYNONYMOUS_CODING	101492546	uncharacterized protein PB18E9.04c-like
SNP_19181B_32766058	Ca_Kabuli_Chr04	NC_021163.1	32766058	TT	CC	CC	URR	101492546	uncharacterized protein PB18E9.04c-like
SNP_19182B_32766152	Ca_Kabuli_Chr04	NC_021163.1	32766152	CC	TT	TT	URR	101492546	uncharacterized protein PB18E9.04c-like
SNP_19183B_32767031	Ca_Kabuli_Chr04	NC_021163.1	32767031	CC	AA	AA	URR	101492546	uncharacterized protein PB18E9.04c-like
SNP_19184B_32767038	Ca_Kabuli_Chr04	NC_021163.1	32767038	TT	GG	GG	URR	101492546	uncharacterized protein PB18E9.04c-like
SNP_19185B_32767057	Ca_Kabuli_Chr04	NC_021163.1	32767057	GG	AA	AA	URR	101492546	uncharacterized protein PB18E9.04c-like
SNP_19186B_32767079	Ca_Kabuli_Chr04	NC_021163.1	32767079	CC	TT	TT	URR	101492546	uncharacterized protein PB18E9.04c-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_19187B_32767287	Ca_Kabuli_Chr04	NC_021163.1	32767287	CC	TT	TT	URR	101492546	uncharacterized protein PB18E9.04c-like
SNP_19188B_32767306	Ca_Kabuli_Chr04	NC_021163.1	32767306	TT	CC	CC	URR	101492546	uncharacterized protein PB18E9.04c-like
SNP_19189B_32767318	Ca_Kabuli_Chr04	NC_021163.1	32767318	AA	CC	CC	URR	101492546	uncharacterized protein PB18E9.04c-like
SNP_19190B_32768829	Ca_Kabuli_Chr04	NC_021163.1	32768829	TT	CC	CC	INTERGENIC		
SNP_19191B_32793483	Ca_Kabuli_Chr04	NC_021163.1	32793483	AA	GG	GG	INTERGENIC		
SNP_19192B_32830178	Ca_Kabuli_Chr04	NC_021163.1	32830178	TT	CC	CC	INTERGENIC		
SNP_19193B_32861926	Ca_Kabuli_Chr04	NC_021163.1	32861926	GG	AA	AA	URR	101507814	DNA topoisomerase 1-like
SNP_19194B_32861935	Ca_Kabuli_Chr04	NC_021163.1	32861935	TT	CC	CC	URR	101507814	DNA topoisomerase 1-like
SNP_19195B_32885181	Ca_Kabuli_Chr04	NC_021163.1	32885181	AA	GG	GG	INTERGENIC		
SNP_19196B_32885342	Ca_Kabuli_Chr04	NC_021163.1	32885342	AA	GG	GG	INTERGENIC		
SNP_19197B_32885377	Ca_Kabuli_Chr04	NC_021163.1	32885377	AA	GG	GG	INTERGENIC		
SNP_19198B_32885397	Ca_Kabuli_Chr04	NC_021163.1	32885397	CC	AA	AA	INTERGENIC		
SNP_19199B_32885401	Ca_Kabuli_Chr04	NC_021163.1	32885401	TT	GG	GG	INTERGENIC		
SNP_19200B_32885560	Ca_Kabuli_Chr04	NC_021163.1	32885560	GG	AA	AA	INTERGENIC		
SNP_19201B_32885592	Ca_Kabuli_Chr04	NC_021163.1	32885592	CC	GG	GG	INTERGENIC		
SNP_19202B_32885614	Ca_Kabuli_Chr04	NC_021163.1	32885614	AA	GG	GG	INTERGENIC		
SNP_19203B_32885640	Ca_Kabuli_Chr04	NC_021163.1	32885640	TT	CC	CC	INTERGENIC		
SNP_19204B_32885657	Ca_Kabuli_Chr04	NC_021163.1	32885657	CC	TT	TT	INTERGENIC		
SNP_19205B_32885694	Ca_Kabuli_Chr04	NC_021163.1	32885694	AA	CC	CC	INTERGENIC		
SNP_19206B_32885987	Ca_Kabuli_Chr04	NC_021163.1	32885987	AA	CC	CC	INTERGENIC		
SNP_19207B_32886149	Ca_Kabuli_Chr04	NC_021163.1	32886149	AA	CC	CC	INTERGENIC		
SNP_19208B_32886200	Ca_Kabuli_Chr04	NC_021163.1	32886200	AA	TT	TT	INTERGENIC		
SNP_19209B_32886217	Ca_Kabuli_Chr04	NC_021163.1	32886217	CC	TT	TT	INTERGENIC		
SNP_19210B_32886233	Ca_Kabuli_Chr04	NC_021163.1	32886233	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_19211B_32886314	Ca_Kabuli_Chr04	NC_021163.1	32886314	AA	GG	GG	INTERGENIC		
SNP_19212B_32886372	Ca_Kabuli_Chr04	NC_021163.1	32886372	AA	GG	GG	INTERGENIC		
SNP_19214B_32886408	Ca_Kabuli_Chr04	NC_021163.1	32886408	TT	CC	CC	INTERGENIC		
SNP_19215B_32886446	Ca_Kabuli_Chr04	NC_021163.1	32886446	CC	TT	TT	INTERGENIC		
SNP_19216B_32886477	Ca_Kabuli_Chr04	NC_021163.1	32886477	GG	CC	CC	INTERGENIC		
SNP_19217B_32886496	Ca_Kabuli_Chr04	NC_021163.1	32886496	TT	CC	CC	INTERGENIC		
SNP_19218B_32886676	Ca_Kabuli_Chr04	NC_021163.1	32886676	AA	GG	GG	INTERGENIC		
SNP_19219B_32886749	Ca_Kabuli_Chr04	NC_021163.1	32886749	AA	CC	CC	INTERGENIC		
SNP_19220B_32886801	Ca_Kabuli_Chr04	NC_021163.1	32886801	TT	CC	CC	INTERGENIC		
SNP_19221B_32886887	Ca_Kabuli_Chr04	NC_021163.1	32886887	AA	GG	GG	INTERGENIC		
SNP_19222B_32888536	Ca_Kabuli_Chr04	NC_021163.1	32888536	AA	CC	CC	INTERGENIC		
SNP_19223B_32888538	Ca_Kabuli_Chr04	NC_021163.1	32888538	GG	TT	TT	INTERGENIC		
SNP_19225B_32888845	Ca_Kabuli_Chr04	NC_021163.1	32888845	TT	CC	CC	INTERGENIC		
SNP_19226B_32888869	Ca_Kabuli_Chr04	NC_021163.1	32888869	AA	GG	GG	INTERGENIC		
SNP_19227B_32902638	Ca_Kabuli_Chr04	NC_021163.1	32902638	AA	CC	CC	INTERGENIC		
SNP_19228B_32902670	Ca_Kabuli_Chr04	NC_021163.1	32902670	CC	GG	GG	INTERGENIC		
SNP_19229B_32902704	Ca_Kabuli_Chr04	NC_021163.1	32902704	GG	AA	AA	INTERGENIC		
SNP_19230B_32902771	Ca_Kabuli_Chr04	NC_021163.1	32902771	CC	TT	TT	INTERGENIC		
SNP_19231B_32902780	Ca_Kabuli_Chr04	NC_021163.1	32902780	AA	CC	CC	INTERGENIC		
SNP_19232B_32902786	Ca_Kabuli_Chr04	NC_021163.1	32902786	TT	CC	CC	INTERGENIC		
SNP_19233B_32902812	Ca_Kabuli_Chr04	NC_021163.1	32902812	GG	CC	CC	INTERGENIC		
SNP_19234B_32909963	Ca_Kabuli_Chr04	NC_021163.1	32909963	AA	GG	GG	INTERGENIC		
SNP_19235B_32917124	Ca_Kabuli_Chr04	NC_021163.1	32917124	CC	TT	TT	INTERGENIC		
SNP_19236B_32967975	Ca_Kabuli_Chr04	NC_021163.1	32967975	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_19237B_33069658	Ca_Kabuli_Chr04	NC_021163.1	33069658	CC	AA	AA	INTERGENIC		
SNP_19238B_33076776	Ca_Kabuli_Chr04	NC_021163.1	33076776	AA	GG	GG	INTERGENIC		
SNP_19239B_33076781	Ca_Kabuli_Chr04	NC_021163.1	33076781	GG	AA	AA	INTERGENIC		
SNP_19240B_33090083	Ca_Kabuli_Chr04	NC_021163.1	33090083	GG	CC	CC	INTERGENIC		
SNP_19241B_33095008	Ca_Kabuli_Chr04	NC_021163.1	33095008	CC	GG	GG	INTERGENIC		
SNP_19242B_33098003	Ca_Kabuli_Chr04	NC_021163.1	33098003	GG	CC	CC	INTERGENIC		
SNP_19243B_33108855	Ca_Kabuli_Chr04	NC_021163.1	33108855	CC	GG	GG	INTERGENIC		
SNP_19244B_33130445	Ca_Kabuli_Chr04	NC_021163.1	33130445	GG	TT	TT	INTERGENIC		
SNP_19245B_33135278	Ca_Kabuli_Chr04	NC_021163.1	33135278	CC	TT	TT	INTERGENIC		
SNP_19246B_33135327	Ca_Kabuli_Chr04	NC_021163.1	33135327	TT	CC	CC	INTERGENIC		
SNP_19247B_33143001	Ca_Kabuli_Chr04	NC_021163.1	33143001	TT	CC	CC	INTERGENIC		
SNP_19248B_33143941	Ca_Kabuli_Chr04	NC_021163.1	33143941	AA	GG	GG	INTERGENIC		
SNP_19249B_33173580	Ca_Kabuli_Chr04	NC_021163.1	33173580	TT	GG	GG	INTERGENIC		
SNP_19250B_33179160	Ca_Kabuli_Chr04	NC_021163.1	33179160	TT	GG	GG	INTERGENIC		
SNP_19251B_33194000	Ca_Kabuli_Chr04	NC_021163.1	33194000	CC	TT	TT	INTERGENIC		
SNP_19252B_33195226	Ca_Kabuli_Chr04	NC_021163.1	33195226	GG	AA	AA	INTERGENIC		
SNP_19253B_33195601	Ca_Kabuli_Chr04	NC_021163.1	33195601	GG	AA	AA	INTERGENIC		
SNP_19254B_33195625	Ca_Kabuli_Chr04	NC_021163.1	33195625	CC	AA	AA	INTERGENIC		
SNP_19255B_33200124	Ca_Kabuli_Chr04	NC_021163.1	33200124	TT	GG	GG	INTERGENIC		
SNP_19256B_33200704	Ca_Kabuli_Chr04	NC_021163.1	33200704	AA	GG	GG	INTERGENIC		
SNP_19257B_33215269	Ca_Kabuli_Chr04	NC_021163.1	33215269	TT	CC	CC	INTERGENIC		
SNP_19258B_33239287	Ca_Kabuli_Chr04	NC_021163.1	33239287	GG	AA	AA	INTERGENIC		
SNP_19259B_33239540	Ca_Kabuli_Chr04	NC_021163.1	33239540	GG	AA	AA	INTERGENIC		
SNP_19260B_33243916	Ca_Kabuli_Chr04	NC_021163.1	33243916	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_19261B_33255537	Ca_Kabuli_Chr04	NC_021163.1	33255537	GG	TT	TT	INTERGENIC		
SNP_19262B_33255725	Ca_Kabuli_Chr04	NC_021163.1	33255725	AA	GG	GG	INTERGENIC		
SNP_19264B_33264467	Ca_Kabuli_Chr04	NC_021163.1	33264467	GG	AA	AA	INTERGENIC		
SNP_19265B_33269906	Ca_Kabuli_Chr04	NC_021163.1	33269906	CC	TT	TT	INTERGENIC		
SNP_19266B_33272476	Ca_Kabuli_Chr04	NC_021163.1	33272476	TT	GG	GG	INTERGENIC		
SNP_19268B_33312288	Ca_Kabuli_Chr04	NC_021163.1	33312288	TT	CC	CC	INTERGENIC		
SNP_19269B_33312304	Ca_Kabuli_Chr04	NC_021163.1	33312304	GG	TT	TT	INTERGENIC		
SNP_19270B_33314014	Ca_Kabuli_Chr04	NC_021163.1	33314014	CC	GG	GG	INTERGENIC		
SNP_19271B_33316552	Ca_Kabuli_Chr04	NC_021163.1	33316552	TT	CC	CC	INTERGENIC		
SNP_19273B_33329447	Ca_Kabuli_Chr04	NC_021163.1	33329447	AA	GG	GG	INTERGENIC		
SNP_19274B_33329448	Ca_Kabuli_Chr04	NC_021163.1	33329448	GG	AA	AA	INTERGENIC		
SNP_19275B_33330731	Ca_Kabuli_Chr04	NC_021163.1	33330731	CC	GG	GG	INTERGENIC		
SNP_19276B_33332119	Ca_Kabuli_Chr04	NC_021163.1	33332119	AA	CC	CC	INTERGENIC		
SNP_19277B_33346340	Ca_Kabuli_Chr04	NC_021163.1	33346340	TT	GG	GG	INTERGENIC		
SNP_19278B_33346347	Ca_Kabuli_Chr04	NC_021163.1	33346347	TT	GG	GG	INTERGENIC		
SNP_19279B_33346358	Ca_Kabuli_Chr04	NC_021163.1	33346358	AA	TT	TT	INTERGENIC		
SNP_19280B_33346395	Ca_Kabuli_Chr04	NC_021163.1	33346395	AA	CC	CC	INTERGENIC		
SNP_19281B_33346565	Ca_Kabuli_Chr04	NC_021163.1	33346565	TT	AA	AA	INTERGENIC		
SNP_19282B_33346582	Ca_Kabuli_Chr04	NC_021163.1	33346582	GG	TT	TT	INTERGENIC		
SNP_19283B_33346586	Ca_Kabuli_Chr04	NC_021163.1	33346586	AA	TT	TT	INTERGENIC		
SNP_19284B_33346741	Ca_Kabuli_Chr04	NC_021163.1	33346741	AA	GG	GG	INTERGENIC		
SNP_19285B_33346804	Ca_Kabuli_Chr04	NC_021163.1	33346804	GG	TT	TT	INTERGENIC		
SNP_19286B_33346832	Ca_Kabuli_Chr04	NC_021163.1	33346832	TT	GG	GG	INTERGENIC		
SNP_19288B_33347072	Ca_Kabuli_Chr04	NC_021163.1	33347072	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_19289B_33347134	Ca_Kabuli_Chr04	NC_021163.1	33347134	AA	TT	TT	INTERGENIC		
SNP_19290B_33347258	Ca_Kabuli_Chr04	NC_021163.1	33347258	AA	CC	CC	INTERGENIC		
SNP_19291B_33347299	Ca_Kabuli_Chr04	NC_021163.1	33347299	TT	CC	CC	INTERGENIC		
SNP_19292B_33347416	Ca_Kabuli_Chr04	NC_021163.1	33347416	GG	TT	TT	INTERGENIC		
SNP_19293B_33347451	Ca_Kabuli_Chr04	NC_021163.1	33347451	TT	AA	AA	INTERGENIC		
SNP_19294B_33347508	Ca_Kabuli_Chr04	NC_021163.1	33347508	TT	GG	GG	INTERGENIC		
SNP_19295B_33347516	Ca_Kabuli_Chr04	NC_021163.1	33347516	TT	CC	CC	INTERGENIC		
SNP_19296B_33347529	Ca_Kabuli_Chr04	NC_021163.1	33347529	CC	TT	TT	INTERGENIC		
SNP_19297B_33347589	Ca_Kabuli_Chr04	NC_021163.1	33347589	AA	CC	CC	INTERGENIC		
SNP_19298B_33347651	Ca_Kabuli_Chr04	NC_021163.1	33347651	TT	CC	CC	INTERGENIC		
SNP_19299B_33347670	Ca_Kabuli_Chr04	NC_021163.1	33347670	AA	CC	CC	INTERGENIC		
SNP_19300B_33347692	Ca_Kabuli_Chr04	NC_021163.1	33347692	TT	CC	CC	INTERGENIC		
SNP_19301B_33347732	Ca_Kabuli_Chr04	NC_021163.1	33347732	GG	AA	AA	INTERGENIC		
SNP_19302B_33347736	Ca_Kabuli_Chr04	NC_021163.1	33347736	TT	CC	CC	INTERGENIC		
SNP_19303B_33347746	Ca_Kabuli_Chr04	NC_021163.1	33347746	AA	GG	GG	INTERGENIC		
SNP_19304B_33347870	Ca_Kabuli_Chr04	NC_021163.1	33347870	AA	GG	GG	INTERGENIC		
SNP_19305B_33347913	Ca_Kabuli_Chr04	NC_021163.1	33347913	CC	TT	TT	INTERGENIC		
SNP_19306B_33347924	Ca_Kabuli_Chr04	NC_021163.1	33347924	AA	TT	TT	INTERGENIC		
SNP_19307B_33348054	Ca_Kabuli_Chr04	NC_021163.1	33348054	CC	TT	TT	INTERGENIC		
SNP_19308B_33348163	Ca_Kabuli_Chr04	NC_021163.1	33348163	AA	GG	GG	INTERGENIC		
SNP_19310B_33348285	Ca_Kabuli_Chr04	NC_021163.1	33348285	GG	TT	TT	INTERGENIC		
SNP_19311B_33348530	Ca_Kabuli_Chr04	NC_021163.1	33348530	GG	TT	TT	INTERGENIC		
SNP_19312B_33348677	Ca_Kabuli_Chr04	NC_021163.1	33348677	GG	TT	TT	INTERGENIC		
SNP_19313B_33356972	Ca_Kabuli_Chr04	NC_021163.1	33356972	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_19314B_33359687	Ca_Kabuli_Chr04	NC_021163.1	33359687	TT	GG	GG	INTERGENIC		
SNP_19315B_33396297	Ca_Kabuli_Chr04	NC_021163.1	33396297	GG	TT	TT	INTRON	101498742	Unknown function
SNP_19316B_33401199	Ca_Kabuli_Chr04	NC_021163.1	33401199	CC	TT	TT	INTERGENIC		
SNP_19319B_33434567	Ca_Kabuli_Chr04	NC_021163.1	33434567	AA	GG	GG	INTERGENIC		
SNP_19320B_33444070	Ca_Kabuli_Chr04	NC_021163.1	33444070	AA	GG	GG	INTERGENIC		
SNP_19321B_33468169	Ca_Kabuli_Chr04	NC_021163.1	33468169	TT	CC	CC	INTERGENIC		
SNP_19322B_33497460	Ca_Kabuli_Chr04	NC_021163.1	33497460	AA	TT	TT	INTERGENIC		
SNP_19323B_33513271	Ca_Kabuli_Chr04	NC_021163.1	33513271	TT	CC	CC	INTERGENIC		
SNP_19324B_33513281	Ca_Kabuli_Chr04	NC_021163.1	33513281	CC	AA	AA	INTERGENIC		
SNP_19325B_33516654	Ca_Kabuli_Chr04	NC_021163.1	33516654	GG	AA	AA	INTERGENIC		
SNP_19326B_33520303	Ca_Kabuli_Chr04	NC_021163.1	33520303	TT	GG	GG	INTERGENIC		
SNP_19327B_33543072	Ca_Kabuli_Chr04	NC_021163.1	33543072	TT	GG	GG	INTERGENIC		
SNP_19328B_33553524	Ca_Kabuli_Chr04	NC_021163.1	33553524	CC	AA	AA	INTERGENIC		
SNP_19329B_33555136	Ca_Kabuli_Chr04	NC_021163.1	33555136	GG	AA	AA	INTERGENIC		
SNP_19330B_33561198	Ca_Kabuli_Chr04	NC_021163.1	33561198	GG	TT	TT	INTERGENIC		
SNP_19331B_33561516	Ca_Kabuli_Chr04	NC_021163.1	33561516	TT	AA	AA	INTERGENIC		
SNP_19332B_33570222	Ca_Kabuli_Chr04	NC_021163.1	33570222	TT	AA	AA	INTERGENIC		
SNP_19333B_33570393	Ca_Kabuli_Chr04	NC_021163.1	33570393	TT	CC	CC	INTERGENIC		
SNP_19334B_33570515	Ca_Kabuli_Chr04	NC_021163.1	33570515	CC	GG	GG	INTERGENIC		
SNP_19335B_33570574	Ca_Kabuli_Chr04	NC_021163.1	33570574	TT	AA	AA	INTERGENIC		
SNP_19336B_33570654	Ca_Kabuli_Chr04	NC_021163.1	33570654	TT	CC	CC	INTERGENIC		
SNP_19337B_33570951	Ca_Kabuli_Chr04	NC_021163.1	33570951	GG	AA	AA	INTERGENIC		
SNP_19338B_33585700	Ca_Kabuli_Chr04	NC_021163.1	33585700	GG	AA	AA	INTERGENIC		
SNP_19339B_33600915	Ca_Kabuli_Chr04	NC_021163.1	33600915	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_19340B_33607352	Ca_Kabuli_Chr04	NC_021163.1	33607352	AA	GG	GG	INTRON	101496102	S-formylglutathione hydrolase-like
SNP_19341B_33612523	Ca_Kabuli_Chr04	NC_021163.1	33612523	GG	TT	TT	URR	101496102	S-formylglutathione hydrolase-like
SNP_19342B_33614767	Ca_Kabuli_Chr04	NC_021163.1	33614767	CC	AA	AA	INTERGENIC		
SNP_19343B_33614769	Ca_Kabuli_Chr04	NC_021163.1	33614769	TT	AA	AA	INTERGENIC		
SNP_19344B_33614853	Ca_Kabuli_Chr04	NC_021163.1	33614853	TT	AA	AA	INTERGENIC		
SNP_19345B_33615115	Ca_Kabuli_Chr04	NC_021163.1	33615115	GG	TT	TT	INTERGENIC		
SNP_19346B_33615195	Ca_Kabuli_Chr04	NC_021163.1	33615195	CC	TT	TT	INTERGENIC		
SNP_19348B_33615503	Ca_Kabuli_Chr04	NC_021163.1	33615503	AA	GG	GG	INTERGENIC		
SNP_19349B_33615709	Ca_Kabuli_Chr04	NC_021163.1	33615709	TT	AA	AA	INTERGENIC		
SNP_19350B_33615795	Ca_Kabuli_Chr04	NC_021163.1	33615795	AA	GG	GG	INTERGENIC		
SNP_19351B_33615837	Ca_Kabuli_Chr04	NC_021163.1	33615837	CC	TT	TT	INTERGENIC		
SNP_19352B_33616030	Ca_Kabuli_Chr04	NC_021163.1	33616030	CC	TT	TT	INTERGENIC		
SNP_19353B_33616162	Ca_Kabuli_Chr04	NC_021163.1	33616162	TT	CC	CC	INTERGENIC		
SNP_19354B_33616165	Ca_Kabuli_Chr04	NC_021163.1	33616165	AA	TT	TT	INTERGENIC		
SNP_19355B_33616178	Ca_Kabuli_Chr04	NC_021163.1	33616178	CC	TT	TT	INTERGENIC		
SNP_19356B_33616432	Ca_Kabuli_Chr04	NC_021163.1	33616432	CC	AA	AA	INTERGENIC		
SNP_19357B_33616550	Ca_Kabuli_Chr04	NC_021163.1	33616550	AA	GG	GG	INTERGENIC		
SNP_19358B_33616657	Ca_Kabuli_Chr04	NC_021163.1	33616657	AA	GG	GG	INTERGENIC		
SNP_19359B_33616676	Ca_Kabuli_Chr04	NC_021163.1	33616676	AA	GG	GG	INTERGENIC		
SNP_19360B_33616734	Ca_Kabuli_Chr04	NC_021163.1	33616734	AA	GG	GG	INTERGENIC		
SNP_19361B_33616999	Ca_Kabuli_Chr04	NC_021163.1	33616999	CC	TT	TT	INTERGENIC		
SNP_19362B_33617101	Ca_Kabuli_Chr04	NC_021163.1	33617101	TT	CC	CC	INTERGENIC		
SNP_19363B_33617274	Ca_Kabuli_Chr04	NC_021163.1	33617274	TT	CC	CC	INTERGENIC		
SNP_19365B_33618689	Ca_Kabuli_Chr04	NC_021163.1	33618689	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_19366B_33618888	Ca_Kabuli_Chr04	NC_021163.1	33618888	TT	CC	CC	INTERGENIC		
SNP_19367B_33619084	Ca_Kabuli_Chr04	NC_021163.1	33619084	AA	GG	GG	INTERGENIC		
SNP_19368B_33619100	Ca_Kabuli_Chr04	NC_021163.1	33619100	TT	AA	AA	INTERGENIC		
SNP_19369B_33619106	Ca_Kabuli_Chr04	NC_021163.1	33619106	CC	AA	AA	INTERGENIC		
SNP_19370B_33619267	Ca_Kabuli_Chr04	NC_021163.1	33619267	TT	GG	GG	INTERGENIC		
SNP_19372B_33619709	Ca_Kabuli_Chr04	NC_021163.1	33619709	GG	CC	CC	INTERGENIC		
SNP_19373B_33620078	Ca_Kabuli_Chr04	NC_021163.1	33620078	CC	AA	AA	INTERGENIC		
SNP_19374B_33620129	Ca_Kabuli_Chr04	NC_021163.1	33620129	GG	TT	TT	INTERGENIC		
SNP_19375B_33620406	Ca_Kabuli_Chr04	NC_021163.1	33620406	GG	AA	AA	INTERGENIC		
SNP_19376B_33620543	Ca_Kabuli_Chr04	NC_021163.1	33620543	CC	TT	TT	INTERGENIC		
SNP_19377B_33620552	Ca_Kabuli_Chr04	NC_021163.1	33620552	TT	CC	CC	INTERGENIC		
SNP_19378B_33620567	Ca_Kabuli_Chr04	NC_021163.1	33620567	TT	CC	CC	INTERGENIC		
SNP_19379B_33620607	Ca_Kabuli_Chr04	NC_021163.1	33620607	CC	TT	TT	INTERGENIC		
SNP_19380B_33620611	Ca_Kabuli_Chr04	NC_021163.1	33620611	GG	AA	AA	INTERGENIC		
SNP_19381B_33620619	Ca_Kabuli_Chr04	NC_021163.1	33620619	AA	GG	GG	INTERGENIC		
SNP_19382B_33620670	Ca_Kabuli_Chr04	NC_021163.1	33620670	TT	CC	CC	INTERGENIC		
SNP_19383B_33620778	Ca_Kabuli_Chr04	NC_021163.1	33620778	CC	TT	TT	INTERGENIC		
SNP_19384B_33620781	Ca_Kabuli_Chr04	NC_021163.1	33620781	AA	CC	CC	INTERGENIC		
SNP_19385B_33620782	Ca_Kabuli_Chr04	NC_021163.1	33620782	TT	CC	CC	INTERGENIC		
SNP_19386B_33620786	Ca_Kabuli_Chr04	NC_021163.1	33620786	GG	AA	AA	INTERGENIC		
SNP_19387B_33620787	Ca_Kabuli_Chr04	NC_021163.1	33620787	AA	TT	TT	INTERGENIC		
SNP_19388B_33620823	Ca_Kabuli_Chr04	NC_021163.1	33620823	TT	CC	CC	INTERGENIC		
SNP_19389B_33620843	Ca_Kabuli_Chr04	NC_021163.1	33620843	CC	TT	TT	INTERGENIC		
SNP_19390B_33620861	Ca_Kabuli_Chr04	NC_021163.1	33620861	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_19391B_33620867	Ca_Kabuli_Chr04	NC_021163.1	33620867	TT	CC	CC	INTERGENIC		
SNP_19392B_33620876	Ca_Kabuli_Chr04	NC_021163.1	33620876	GG	CC	CC	INTERGENIC		
SNP_19393B_33620880	Ca_Kabuli_Chr04	NC_021163.1	33620880	AA	GG	GG	INTERGENIC		
SNP_19394B_33620908	Ca_Kabuli_Chr04	NC_021163.1	33620908	AA	GG	GG	INTERGENIC		
SNP_19395B_33621317	Ca_Kabuli_Chr04	NC_021163.1	33621317	GG	TT	TT	INTERGENIC		
SNP_19396B_33621320	Ca_Kabuli_Chr04	NC_021163.1	33621320	GG	AA	AA	INTERGENIC		
SNP_19397B_33625840	Ca_Kabuli_Chr04	NC_021163.1	33625840	TT	CC	CC	URR	101499683	uncharacterized LOC101499683
SNP_19398B_33625860	Ca_Kabuli_Chr04	NC_021163.1	33625860	CC	TT	TT	URR	101499683	uncharacterized LOC101499683
SNP_19399B_33626146	Ca_Kabuli_Chr04	NC_021163.1	33626146	CC	GG	GG	URR	101499683	uncharacterized LOC101499683
SNP_19400B_33626163	Ca_Kabuli_Chr04	NC_021163.1	33626163	CC	GG	GG	URR	101499683	uncharacterized LOC101499683
SNP_19401B_33626165	Ca_Kabuli_Chr04	NC_021163.1	33626165	CC	TT	TT	URR	101499683	uncharacterized LOC101499683
SNP_19402B_33626245	Ca_Kabuli_Chr04	NC_021163.1	33626245	AA	GG	GG	URR	101499683	uncharacterized LOC101499683
SNP_19403B_33626250	Ca_Kabuli_Chr04	NC_021163.1	33626250	CC	TT	TT	URR	101499683	uncharacterized LOC101499683
SNP_19404B_33626283	Ca_Kabuli_Chr04	NC_021163.1	33626283	AA	CC	CC	URR	101499683	uncharacterized LOC101499683
SNP_19405B_33626286	Ca_Kabuli_Chr04	NC_021163.1	33626286	AA	CC	CC	URR	101499683	uncharacterized LOC101499683
SNP_19406B_33626305	Ca_Kabuli_Chr04	NC_021163.1	33626305	CC	TT	TT	URR	101499683	uncharacterized LOC101499683
SNP_19407B_33626311	Ca_Kabuli_Chr04	NC_021163.1	33626311	TT	CC	CC	URR	101499683	uncharacterized LOC101499683
SNP_19408B_33629872	Ca_Kabuli_Chr04	NC_021163.1	33629872	TT	CC	CC	INTERGENIC		
SNP_19409B_33629887	Ca_Kabuli_Chr04	NC_021163.1	33629887	GG	AA	AA	INTERGENIC		
SNP_19410B_33629896	Ca_Kabuli_Chr04	NC_021163.1	33629896	CC	TT	TT	INTERGENIC		
SNP_19411B_33629912	Ca_Kabuli_Chr04	NC_021163.1	33629912	GG	AA	AA	INTERGENIC		
SNP_19412B_33629914	Ca_Kabuli_Chr04	NC_021163.1	33629914	AA	GG	GG	INTERGENIC		
SNP_19413B_33629980	Ca_Kabuli_Chr04	NC_021163.1	33629980	TT	CC	CC	INTERGENIC		
SNP_19414B_33629992	Ca_Kabuli_Chr04	NC_021163.1	33629992	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_19415B_33630007	Ca_Kabuli_Chr04	NC_021163.1	33630007	GG	AA	AA	INTERGENIC		
SNP_19416B_33630014	Ca_Kabuli_Chr04	NC_021163.1	33630014	TT	CC	CC	INTERGENIC		
SNP_19417B_33630025	Ca_Kabuli_Chr04	NC_021163.1	33630025	AA	TT	TT	INTERGENIC		
SNP_19418B_33630027	Ca_Kabuli_Chr04	NC_021163.1	33630027	CC	GG	GG	INTERGENIC		
SNP_19419B_33630038	Ca_Kabuli_Chr04	NC_021163.1	33630038	GG	CC	CC	INTERGENIC		
SNP_19421B_33634988	Ca_Kabuli_Chr04	NC_021163.1	33634988	AA	TT	TT	URR	101499993	uncharacterized LOC101499993
SNP_19422B_33651114	Ca_Kabuli_Chr04	NC_021163.1	33651114	AA	GG	GG	INTRON	101496432	DNA helicase INO80-like
SNP_19423B_33664422	Ca_Kabuli_Chr04	NC_021163.1	33664422	TT	CC	CC	INTERGENIC		
SNP_19424B_33675509	Ca_Kabuli_Chr04	NC_021163.1	33675509	AA	GG	GG	INTERGENIC		
SNP_19425B_33713233	Ca_Kabuli_Chr04	NC_021163.1	33713233	TT	CC	CC	INTERGENIC		
SNP_19426B_33713245	Ca_Kabuli_Chr04	NC_021163.1	33713245	CC	TT	TT	INTERGENIC		
SNP_19427B_33713866	Ca_Kabuli_Chr04	NC_021163.1	33713866	TT	CC	CC	INTERGENIC		
SNP_19428B_33713955	Ca_Kabuli_Chr04	NC_021163.1	33713955	CC	AA	AA	INTERGENIC		
SNP_19429B_33714031	Ca_Kabuli_Chr04	NC_021163.1	33714031	GG	AA	AA	INTERGENIC		
SNP_19430B_33714074	Ca_Kabuli_Chr04	NC_021163.1	33714074	TT	AA	AA	INTERGENIC		
SNP_19433B_33714593	Ca_Kabuli_Chr04	NC_021163.1	33714593	GG	TT	TT	INTERGENIC		
SNP_19434B_33714737	Ca_Kabuli_Chr04	NC_021163.1	33714737	AA	GG	GG	INTERGENIC		
SNP_19435B_33715120	Ca_Kabuli_Chr04	NC_021163.1	33715120	GG	AA	AA	INTERGENIC		
SNP_19436B_33715138	Ca_Kabuli_Chr04	NC_021163.1	33715138	GG	AA	AA	INTERGENIC		
SNP_19437B_33715217	Ca_Kabuli_Chr04	NC_021163.1	33715217	AA	GG	GG	INTERGENIC		
SNP_19438B_33715962	Ca_Kabuli_Chr04	NC_021163.1	33715962	CC	GG	GG	INTERGENIC		
SNP_19439B_33716339	Ca_Kabuli_Chr04	NC_021163.1	33716339	AA	TT	TT	INTERGENIC		
SNP_19440B_33716607	Ca_Kabuli_Chr04	NC_021163.1	33716607	GG	CC	AA	INTERGENIC		
SNP_19441B_33717044	Ca_Kabuli_Chr04	NC_021163.1	33717044	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_19442B_33717195	Ca_Kabuli_Chr04	NC_021163.1	33717195	AA	CC	CC	INTERGENIC		
SNP_19443B_33717350	Ca_Kabuli_Chr04	NC_021163.1	33717350	TT	CC	CC	INTERGENIC		
SNP_19444B_33717427	Ca_Kabuli_Chr04	NC_021163.1	33717427	AA	GG	GG	INTERGENIC		
SNP_19445B_33717748	Ca_Kabuli_Chr04	NC_021163.1	33717748	GG	AA	AA	INTERGENIC		
SNP_19446B_33717802	Ca_Kabuli_Chr04	NC_021163.1	33717802	TT	AA	AA	INTERGENIC		
SNP_19448B_33717957	Ca_Kabuli_Chr04	NC_021163.1	33717957	AA	CC	CC	INTERGENIC		
SNP_19449B_33717964	Ca_Kabuli_Chr04	NC_021163.1	33717964	GG	TT	TT	INTERGENIC		
SNP_19450B_33718341	Ca_Kabuli_Chr04	NC_021163.1	33718341	TT	CC	CC	INTERGENIC		
SNP_19451B_33718355	Ca_Kabuli_Chr04	NC_021163.1	33718355	TT	GG	GG	INTERGENIC		
SNP_19452B_33718511	Ca_Kabuli_Chr04	NC_021163.1	33718511	CC	TT	TT	INTERGENIC		
SNP_19453B_33719215	Ca_Kabuli_Chr04	NC_021163.1	33719215	TT	CC	CC	INTERGENIC		
SNP_19454B_33719243	Ca_Kabuli_Chr04	NC_021163.1	33719243	CC	AA	AA	INTERGENIC		
SNP_19455B_33719502	Ca_Kabuli_Chr04	NC_021163.1	33719502	AA	GG	GG	INTERGENIC		
SNP_19456B_33719553	Ca_Kabuli_Chr04	NC_021163.1	33719553	CC	GG	GG	INTERGENIC		
SNP_19457B_33719576	Ca_Kabuli_Chr04	NC_021163.1	33719576	TT	AA	AA	INTERGENIC		
SNP_19458B_33719687	Ca_Kabuli_Chr04	NC_021163.1	33719687	AA	GG	GG	INTERGENIC		
SNP_19459B_33720042	Ca_Kabuli_Chr04	NC_021163.1	33720042	CC	TT	TT	INTERGENIC		
SNP_19460B_33720303	Ca_Kabuli_Chr04	NC_021163.1	33720303	CC	AA	AA	INTERGENIC		
SNP_19461B_33720513	Ca_Kabuli_Chr04	NC_021163.1	33720513	AA	CC	CC	INTERGENIC		
SNP_19462B_33720742	Ca_Kabuli_Chr04	NC_021163.1	33720742	AA	CC	CC	INTERGENIC		
SNP_19463B_33721019	Ca_Kabuli_Chr04	NC_021163.1	33721019	TT	AA	AA	INTERGENIC		
SNP_19464B_33721483	Ca_Kabuli_Chr04	NC_021163.1	33721483	GG	AA	AA	INTERGENIC		
SNP_19465B_33721536	Ca_Kabuli_Chr04	NC_021163.1	33721536	CC	TT	TT	INTERGENIC		
SNP_19466B_33721846	Ca_Kabuli_Chr04	NC_021163.1	33721846	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_19467B_33721975	Ca_Kabuli_Chr04	NC_021163.1	33721975	GG	AA	AA	INTERGENIC		
SNP_19468B_33721990	Ca_Kabuli_Chr04	NC_021163.1	33721990	TT	CC	CC	INTERGENIC		
SNP_19469B_33722064	Ca_Kabuli_Chr04	NC_021163.1	33722064	TT	CC	CC	INTERGENIC		
SNP_19471B_33743686	Ca_Kabuli_Chr04	NC_021163.1	33743686	AA	GG	GG	INTERGENIC		
SNP_19472B_33751114	Ca_Kabuli_Chr04	NC_021163.1	33751114	AA	GG	GG	NON_SYNONYMOUS_CODING	101505998	zinc finger MYM-type protein 1-like
SNP_19473B_33755607	Ca_Kabuli_Chr04	NC_021163.1	33755607	TT	GG	GG	INTERGENIC		
SNP_19474B_33757761	Ca_Kabuli_Chr04	NC_021163.1	33757761	GG	AA	AA	INTERGENIC		
SNP_19475B_33758053	Ca_Kabuli_Chr04	NC_021163.1	33758053	TT	GG	GG	INTERGENIC		
SNP_19476B_33763529	Ca_Kabuli_Chr04	NC_021163.1	33763529	GG	AA	AA	URR	101506309	Unknown function
SNP_19477B_33768136	Ca_Kabuli_Chr04	NC_021163.1	33768136	GG	AA	AA	DRR	101506631	Unknown function
SNP_19478B_33772093	Ca_Kabuli_Chr04	NC_021163.1	33772093	TT	CC	CC	INTRON	101506631	Unknown function
SNP_19479B_33777032	Ca_Kabuli_Chr04	NC_021163.1	33777032	GG	AA	AA	URR	101507292	Unknown function
SNP_19480B_33777120	Ca_Kabuli_Chr04	NC_021163.1	33777120	TT	AA	AA	URR	101507292	Unknown function
SNP_19481B_33779655	Ca_Kabuli_Chr04	NC_021163.1	33779655	AA	GG	GG	INTERGENIC		
SNP_19482B_33781859	Ca_Kabuli_Chr04	NC_021163.1	33781859	GG	AA	AA	URR	101507598	alkane hydroxylase MAH1
SNP_19483B_33797841	Ca_Kabuli_Chr04	NC_021163.1	33797841	GG	AA	AA	INTERGENIC		
SNP_19484B_33803088	Ca_Kabuli_Chr04	NC_021163.1	33803088	AA	GG	GG	INTERGENIC		
SNP_19485B_33810691	Ca_Kabuli_Chr04	NC_021163.1	33810691	AA	TT	TT	INTERGENIC		
SNP_19486B_33810713	Ca_Kabuli_Chr04	NC_021163.1	33810713	AA	TT	TT	INTERGENIC		
SNP_19487B_33817993	Ca_Kabuli_Chr04	NC_021163.1	33817993	CC	TT	TT	INTRON	101508230	uncharacterized LOC101508230
SNP_19488B_33833532	Ca_Kabuli_Chr04	NC_021163.1	33833532	AA	TT	TT	URR	101500535	uricase-2 isozyme 1-like
SNP_19489B_33834358	Ca_Kabuli_Chr04	NC_021163.1	33834358	TT	CC	CC	URR	101500535	uricase-2 isozyme 1-like
SNP_19490B_33834510	Ca_Kabuli_Chr04	NC_021163.1	33834510	CC	GG	GG	URR	101500535	uricase-2 isozyme 1-like
SNP_19494B_33853299	Ca_Kabuli_Chr04	NC_021163.1	33853299	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_19495B_33853391	Ca_Kabuli_Chr04	NC_021163.1	33853391	TT	AA	AA	INTERGENIC		
SNP_19496B_33853402	Ca_Kabuli_Chr04	NC_021163.1	33853402	AA	TT	TT	INTERGENIC		
SNP_19497B_33853438	Ca_Kabuli_Chr04	NC_021163.1	33853438	CC	TT	TT	INTERGENIC		
SNP_19498B_33853439	Ca_Kabuli_Chr04	NC_021163.1	33853439	AA	GG	GG	INTERGENIC		
SNP_19499B_33853523	Ca_Kabuli_Chr04	NC_021163.1	33853523	CC	TT	TT	INTERGENIC		
SNP_19500B_33853816	Ca_Kabuli_Chr04	NC_021163.1	33853816	TT	CC	CC	INTERGENIC		
SNP_19501B_33853820	Ca_Kabuli_Chr04	NC_021163.1	33853820	CC	TT	TT	INTERGENIC		
SNP_19502B_33853821	Ca_Kabuli_Chr04	NC_021163.1	33853821	CC	AA	AA	INTERGENIC		
SNP_19503B_33856623	Ca_Kabuli_Chr04	NC_021163.1	33856623	TT	AA	AA	INTERGENIC		
SNP_19504B_33865726	Ca_Kabuli_Chr04	NC_021163.1	33865726	GG	TT	TT	INTERGENIC		
SNP_19505B_33871111	Ca_Kabuli_Chr04	NC_021163.1	33871111	AA	GG	GG	INTERGENIC		
SNP_19506B_33871350	Ca_Kabuli_Chr04	NC_021163.1	33871350	AA	GG	GG	INTERGENIC		
SNP_19507B_33871356	Ca_Kabuli_Chr04	NC_021163.1	33871356	TT	CC	CC	INTERGENIC		
SNP_19508B_33871358	Ca_Kabuli_Chr04	NC_021163.1	33871358	GG	AA	AA	INTERGENIC		
SNP_19509B_33871368	Ca_Kabuli_Chr04	NC_021163.1	33871368	CC	TT	TT	INTERGENIC		
SNP_19510B_33871508	Ca_Kabuli_Chr04	NC_021163.1	33871508	AA	TT	TT	INTERGENIC		
SNP_19511B_33871509	Ca_Kabuli_Chr04	NC_021163.1	33871509	CC	GG	GG	INTERGENIC		
SNP_19512B_33871514	Ca_Kabuli_Chr04	NC_021163.1	33871514	GG	CC	CC	INTERGENIC		
SNP_19514B_33871623	Ca_Kabuli_Chr04	NC_021163.1	33871623	AA	CC	CC	INTERGENIC		
SNP_19515B_33871660	Ca_Kabuli_Chr04	NC_021163.1	33871660	GG	TT	TT	INTERGENIC		
SNP_19516B_33873396	Ca_Kabuli_Chr04	NC_021163.1	33873396	AA	GG	GG	INTERGENIC		
SNP_19518B_33913973	Ca_Kabuli_Chr04	NC_021163.1	33913973	TT	CC	CC	INTERGENIC		
SNP_19519B_33922759	Ca_Kabuli_Chr04	NC_021163.1	33922759	TT	CC	CC	INTRON	101501692	ubiquitin carboxyl-terminal hydrolase 12-like
SNP_19523B_33979019	Ca_Kabuli_Chr04	NC_021163.1	33979019	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_19524B_33986565	Ca_Kabuli_Chr04	NC_021163.1	33986565	CC	AA	AA	INTERGENIC		
SNP_19525B_34004468	Ca_Kabuli_Chr04	NC_021163.1	34004468	GG	TT	TT	INTERGENIC		
SNP_19526B_34009073	Ca_Kabuli_Chr04	NC_021163.1	34009073	CC	TT	TT	INTERGENIC		
SNP_19527B_34041540	Ca_Kabuli_Chr04	NC_021163.1	34041540	TT	CC	CC	INTERGENIC		
SNP_19528B_34043793	Ca_Kabuli_Chr04	NC_021163.1	34043793	TT	CC	CC	INTERGENIC		
SNP_19529B_34052308	Ca_Kabuli_Chr04	NC_021163.1	34052308	TT	CC	CC	INTERGENIC		
SNP_19530B_34078616	Ca_Kabuli_Chr04	NC_021163.1	34078616	AA	CC	CC	INTERGENIC		
SNP_19531B_34078617	Ca_Kabuli_Chr04	NC_021163.1	34078617	TT	AA	AA	INTERGENIC		
SNP_19532B_34078623	Ca_Kabuli_Chr04	NC_021163.1	34078623	TT	CC	CC	INTERGENIC		
SNP_19533B_34078656	Ca_Kabuli_Chr04	NC_021163.1	34078656	AA	GG	GG	INTERGENIC		
SNP_19534B_34096890	Ca_Kabuli_Chr04	NC_021163.1	34096890	TT	CC	CC	INTERGENIC		
SNP_19535B_34117757	Ca_Kabuli_Chr04	NC_021163.1	34117757	TT	GG	GG	INTERGENIC		
SNP_19536B_34126738	Ca_Kabuli_Chr04	NC_021163.1	34126738	AA	TT	TT	INTERGENIC		
SNP_19537B_34129628	Ca_Kabuli_Chr04	NC_021163.1	34129628	AA	GG	GG	INTERGENIC		
SNP_19538B_34152859	Ca_Kabuli_Chr04	NC_021163.1	34152859	CC	TT	TT	INTRON	101509840	Unknown function
SNP_19539B_34156391	Ca_Kabuli_Chr04	NC_021163.1	34156391	CC	TT	TT	INTRON	101509840	Unknown function
SNP_19540B_34160104	Ca_Kabuli_Chr04	NC_021163.1	34160104	GG	AA	AA	INTERGENIC		
SNP_19541B_34161398	Ca_Kabuli_Chr04	NC_021163.1	34161398	CC	GG	GG	INTERGENIC		
SNP_19542B_34161400	Ca_Kabuli_Chr04	NC_021163.1	34161400	CC	TT	TT	INTERGENIC		
SNP_19543B_34161445	Ca_Kabuli_Chr04	NC_021163.1	34161445	GG	AA	AA	INTERGENIC		
SNP_19544B_34161476	Ca_Kabuli_Chr04	NC_021163.1	34161476	GG	AA	AA	INTERGENIC		
SNP_19546B_34170628	Ca_Kabuli_Chr04	NC_021163.1	34170628	AA	CC	CC	INTERGENIC		
SNP_19547B_34188494	Ca_Kabuli_Chr04	NC_021163.1	34188494	TT	CC	CC	INTERGENIC		
SNP_19548B_34200048	Ca_Kabuli_Chr04	NC_021163.1	34200048	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_19549B_34213838	Ca_Kabuli_Chr04	NC_021163.1	34213838	GG	TT	TT	INTERGENIC		
SNP_19550B_34219029	Ca_Kabuli_Chr04	NC_021163.1	34219029	TT	CC	CC	INTERGENIC		
SNP_19551B_34225229	Ca_Kabuli_Chr04	NC_021163.1	34225229	AA	GG	GG	INTERGENIC		
SNP_19552B_34232769	Ca_Kabuli_Chr04	NC_021163.1	34232769	AA	GG	GG	INTRON	id86994	Unknown function
SNP_19553B_34240005	Ca_Kabuli_Chr04	NC_021163.1	34240005	CC	GG	GG	INTERGENIC		
SNP_19554B_34249048	Ca_Kabuli_Chr04	NC_021163.1	34249048	CC	AA	AA	INTERGENIC		
SNP_19555B_34249053	Ca_Kabuli_Chr04	NC_021163.1	34249053	CC	GG	GG	INTERGENIC		
SNP_19556B_34262341	Ca_Kabuli_Chr04	NC_021163.1	34262341	TT	CC	CC	INTRON	101510473	uncharacterized LOC101510473
SNP_19558B_34266313	Ca_Kabuli_Chr04	NC_021163.1	34266313	AA	GG	GG	INTRON	101510473	uncharacterized LOC101510473
SNP_19559B_34266579	Ca_Kabuli_Chr04	NC_021163.1	34266579	TT	CC	CC	INTRON	101510473	uncharacterized LOC101510473
SNP_19560B_34271997	Ca_Kabuli_Chr04	NC_021163.1	34271997	TT	CC	CC	INTRON	101510473	uncharacterized LOC101510473
SNP_19561B_34272265	Ca_Kabuli_Chr04	NC_021163.1	34272265	GG	AA	AA	INTRON	101510473	uncharacterized LOC101510473
SNP_19562B_34280335	Ca_Kabuli_Chr04	NC_021163.1	34280335	CC	TT	TT	INTERGENIC		
SNP_19563B_34286807	Ca_Kabuli_Chr04	NC_021163.1	34286807	CC	TT	TT	INTERGENIC		
SNP_19564B_34294430	Ca_Kabuli_Chr04	NC_021163.1	34294430	AA	GG	GG	INTERGENIC		
SNP_19565B_34301460	Ca_Kabuli_Chr04	NC_021163.1	34301460	AA	GG	GG	URR	101510802	uncharacterized LOC101510802
SNP_19566B_34325406	Ca_Kabuli_Chr04	NC_021163.1	34325406	TT	AA	AA	URR	101504698	putative B3 domain-containing protein At1g78640
SNP_19567B_34325664	Ca_Kabuli_Chr04	NC_021163.1	34325664	GG	AA	AA	URR	101504698	putative B3 domain-containing protein At1g78640
SNP_19568B_34331221	Ca_Kabuli_Chr04	NC_021163.1	34331221	GG	AA	AA	INTERGENIC		
SNP_19569B_34380437	Ca_Kabuli_Chr04	NC_021163.1	34380437	GG	AA	AA	INTERGENIC		
SNP_19570B_34384596	Ca_Kabuli_Chr04	NC_021163.1	34384596	TT	CC	CC	INTERGENIC		
SNP_19571B_34387924	Ca_Kabuli_Chr04	NC_021163.1	34387924	CC	TT	TT	INTERGENIC		
SNP_19572B_34387996	Ca_Kabuli_Chr04	NC_021163.1	34387996	TT	GG	GG	INTERGENIC		
SNP_19574B_34404493	Ca_Kabuli_Chr04	NC_021163.1	34404493	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_19575B_34417701	Ca_Kabuli_Chr04	NC_021163.1	34417701	TT	CC	CC	INTERGENIC		
SNP_19576B_34424020	Ca_Kabuli_Chr04	NC_021163.1	34424020	TT	CC	CC	INTERGENIC		
SNP_19577B_34430231	Ca_Kabuli_Chr04	NC_021163.1	34430231	AA	GG	GG	INTERGENIC		
SNP_19578B_34431258	Ca_Kabuli_Chr04	NC_021163.1	34431258	CC	TT	TT	INTERGENIC		
SNP_19579B_34436552	Ca_Kabuli_Chr04	NC_021163.1	34436552	CC	TT	TT	INTERGENIC		
SNP_19580B_34442705	Ca_Kabuli_Chr04	NC_021163.1	34442705	TT	CC	CC	INTERGENIC		
SNP_19581B_34444315	Ca_Kabuli_Chr04	NC_021163.1	34444315	GG	TT	TT	INTERGENIC		
SNP_19582B_34446825	Ca_Kabuli_Chr04	NC_021163.1	34446825	AA	GG	GG	SYNONYMOUS_CODING	101511434	Unknown function
SNP_19583B_34448082	Ca_Kabuli_Chr04	NC_021163.1	34448082	CC	TT	TT	INTRON	101511434	Unknown function
SNP_19584B_34449401	Ca_Kabuli_Chr04	NC_021163.1	34449401	GG	AA	AA	SYNONYMOUS_CODING	101511434	Unknown function
SNP_19588B_34472342	Ca_Kabuli_Chr04	NC_021163.1	34472342	TT	CC	CC	INTERGENIC		
SNP_19589B_34490566	Ca_Kabuli_Chr04	NC_021163.1	34490566	TT	CC	CC	INTRON	101505344	putative lipase YOR059C
SNP_19590B_34491652	Ca_Kabuli_Chr04	NC_021163.1	34491652	AA	CC	CC	URR	101505344	putative lipase YOR059C
SNP_19591B_34491653	Ca_Kabuli_Chr04	NC_021163.1	34491653	AA	TT	TT	URR	101505344	putative lipase YOR059C
SNP_19594B_34503644	Ca_Kabuli_Chr04	NC_021163.1	34503644	AA	GG	GG	INTERGENIC		
SNP_19595B_34503797	Ca_Kabuli_Chr04	NC_021163.1	34503797	CC	TT	TT	INTERGENIC		
SNP_19596B_34520659	Ca_Kabuli_Chr04	NC_021163.1	34520659	CC	GG	GG	INTERGENIC		
SNP_19597B_34520775	Ca_Kabuli_Chr04	NC_021163.1	34520775	AA	TT	TT	INTERGENIC		
SNP_19599B_34520878	Ca_Kabuli_Chr04	NC_021163.1	34520878	TT	CC	CC	INTERGENIC		
SNP_19600B_34525236	Ca_Kabuli_Chr04	NC_021163.1	34525236	TT	CC	CC	INTERGENIC		
SNP_19601B_34554541	Ca_Kabuli_Chr04	NC_021163.1	34554541	AA	GG	GG	INTERGENIC		
SNP_19602B_34566166	Ca_Kabuli_Chr04	NC_021163.1	34566166	CC	TT	TT	INTERGENIC		
SNP_19604B_34582114	Ca_Kabuli_Chr04	NC_021163.1	34582114	CC	TT	TT	INTERGENIC		
SNP_19605B_34582570	Ca_Kabuli_Chr04	NC_021163.1	34582570	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_19606B_34582594	Ca_Kabuli_Chr04	NC_021163.1	34582594	TT	GG	GG	INTERGENIC		
SNP_19607B_34586566	Ca_Kabuli_Chr04	NC_021163.1	34586566	AA	GG	GG	INTERGENIC		
SNP_19608B_34586570	Ca_Kabuli_Chr04	NC_021163.1	34586570	AA	TT	TT	INTERGENIC		
SNP_19609B_34586762	Ca_Kabuli_Chr04	NC_021163.1	34586762	CC	TT	TT	INTERGENIC		
SNP_19610B_34586792	Ca_Kabuli_Chr04	NC_021163.1	34586792	TT	AA	AA	INTERGENIC		
SNP_19611B_34588023	Ca_Kabuli_Chr04	NC_021163.1	34588023	GG	CC	CC	INTERGENIC		
SNP_19612B_34588673	Ca_Kabuli_Chr04	NC_021163.1	34588673	CC	GG	GG	INTERGENIC		
SNP_19613B_34598904	Ca_Kabuli_Chr04	NC_021163.1	34598904	AA	TT	TT	INTERGENIC		
SNP_19614B_34599239	Ca_Kabuli_Chr04	NC_021163.1	34599239	GG	CC	CC	INTERGENIC		
SNP_19616B_34605424	Ca_Kabuli_Chr04	NC_021163.1	34605424	AA	GG	GG	INTERGENIC		
SNP_19617B_34605547	Ca_Kabuli_Chr04	NC_021163.1	34605547	AA	TT	TT	INTERGENIC		
SNP_19618B_34605564	Ca_Kabuli_Chr04	NC_021163.1	34605564	GG	AA	AA	INTERGENIC		
SNP_19619B_34605570	Ca_Kabuli_Chr04	NC_021163.1	34605570	TT	GG	GG	INTERGENIC		
SNP_19621B_34605595	Ca_Kabuli_Chr04	NC_021163.1	34605595	TT	CC	CC	INTERGENIC		
SNP_19622B_34634905	Ca_Kabuli_Chr04	NC_021163.1	34634905	TT	CC	CC	INTERGENIC		
SNP_19623B_34704178	Ca_Kabuli_Chr04	NC_021163.1	34704178	GG	AA	AA	INTERGENIC		
SNP_19624B_34704245	Ca_Kabuli_Chr04	NC_021163.1	34704245	TT	CC	CC	INTERGENIC		
SNP_19625B_34704249	Ca_Kabuli_Chr04	NC_021163.1	34704249	CC	GG	GG	INTERGENIC		
SNP_19626B_34704436	Ca_Kabuli_Chr04	NC_021163.1	34704436	TT	CC	CC	INTERGENIC		
SNP_19627B_34704802	Ca_Kabuli_Chr04	NC_021163.1	34704802	GG	AA	AA	INTERGENIC		
SNP_19628B_34712597	Ca_Kabuli_Chr04	NC_021163.1	34712597	TT	AA	AA	INTERGENIC		
SNP_19629B_34833971	Ca_Kabuli_Chr04	NC_021163.1	34833971	AA	GG	GG	INTERGENIC		
SNP_19630B_34883315	Ca_Kabuli_Chr04	NC_021163.1	34883315	TT	CC	CC	INTRON	101493952	Unknown function
SNP_19631B_34883316	Ca_Kabuli_Chr04	NC_021163.1	34883316	TT	CC	CC	INTRON	101493952	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_19632B_34883320	Ca_Kabuli_Chr04	NC_021163.1	34883320	CC	TT	TT	INTRON	101493952	Unknown function
SNP_19633B_34883508	Ca_Kabuli_Chr04	NC_021163.1	34883508	TT	GG	GG	INTRON	101493952	Unknown function
SNP_19634B_34883519	Ca_Kabuli_Chr04	NC_021163.1	34883519	TT	CC	CC	INTRON	101493952	Unknown function
SNP_19635B_34883526	Ca_Kabuli_Chr04	NC_021163.1	34883526	TT	CC	CC	INTRON	101493952	Unknown function
SNP_19636B_34883528	Ca_Kabuli_Chr04	NC_021163.1	34883528	CC	TT	TT	INTRON	101493952	Unknown function
SNP_19637B_34883539	Ca_Kabuli_Chr04	NC_021163.1	34883539	TT	CC	CC	INTRON	101493952	Unknown function
SNP_19638B_34883572	Ca_Kabuli_Chr04	NC_021163.1	34883572	TT	GG	GG	INTRON	101493952	Unknown function
SNP_19639B_34883604	Ca_Kabuli_Chr04	NC_021163.1	34883604	AA	GG	GG	INTRON	101493952	Unknown function
SNP_19640B_34883620	Ca_Kabuli_Chr04	NC_021163.1	34883620	AA	GG	GG	INTRON	101493952	Unknown function
SNP_19641B_34883627	Ca_Kabuli_Chr04	NC_021163.1	34883627	AA	GG	GG	INTRON	101493952	Unknown function
SNP_19642B_34883652	Ca_Kabuli_Chr04	NC_021163.1	34883652	AA	GG	GG	INTRON	101493952	Unknown function
SNP_19643B_34883663	Ca_Kabuli_Chr04	NC_021163.1	34883663	AA	GG	GG	INTRON	101493952	Unknown function
SNP_19644B_34883671	Ca_Kabuli_Chr04	NC_021163.1	34883671	AA	GG	GG	INTRON	101493952	Unknown function
SNP_19645B_34883678	Ca_Kabuli_Chr04	NC_021163.1	34883678	CC	TT	TT	INTRON	101493952	Unknown function
SNP_19646B_34883724	Ca_Kabuli_Chr04	NC_021163.1	34883724	AA	CC	CC	INTRON	101493952	Unknown function
SNP_19647B_34883727	Ca_Kabuli_Chr04	NC_021163.1	34883727	TT	AA	AA	INTRON	101493952	Unknown function
SNP_19648B_34883734	Ca_Kabuli_Chr04	NC_021163.1	34883734	AA	GG	GG	INTRON	101493952	Unknown function
SNP_19649B_34883796	Ca_Kabuli_Chr04	NC_021163.1	34883796	TT	GG	GG	INTRON	101493952	Unknown function
SNP_19650B_34883885	Ca_Kabuli_Chr04	NC_021163.1	34883885	TT	AA	AA	DRR	101494279	Unknown function
SNP_19651B_34883887	Ca_Kabuli_Chr04	NC_021163.1	34883887	TT	CC	CC	DRR	101494279	Unknown function
SNP_19652B_34883893	Ca_Kabuli_Chr04	NC_021163.1	34883893	TT	AA	AA	DRR	101494279	Unknown function
SNP_19653B_34883941	Ca_Kabuli_Chr04	NC_021163.1	34883941	CC	AA	AA	DRR	101494279	Unknown function
SNP_19654B_34883945	Ca_Kabuli_Chr04	NC_021163.1	34883945	GG	AA	AA	DRR	101494279	Unknown function
SNP_19655B_34883960	Ca_Kabuli_Chr04	NC_021163.1	34883960	AA	GG	GG	DRR	101494279	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_19656B_34883965	Ca_Kabuli_Chr04	NC_021163.1	34883965	TT	GG	GG	DRR	101494279	Unknown function
SNP_19657B_34883978	Ca_Kabuli_Chr04	NC_021163.1	34883978	TT	GG	GG	DRR	101494279	Unknown function
SNP_19658B_34883996	Ca_Kabuli_Chr04	NC_021163.1	34883996	AA	TT	TT	DRR	101494279	Unknown function
SNP_19659B_34884038	Ca_Kabuli_Chr04	NC_021163.1	34884038	AA	GG	GG	DRR	101494279	Unknown function
SNP_19660B_34884092	Ca_Kabuli_Chr04	NC_021163.1	34884092	TT	GG	GG	DRR	101494279	Unknown function
SNP_19661B_34884096	Ca_Kabuli_Chr04	NC_021163.1	34884096	CC	TT	TT	DRR	101494279	Unknown function
SNP_19662B_34884112	Ca_Kabuli_Chr04	NC_021163.1	34884112	TT	CC	CC	DRR	101494279	Unknown function
SNP_19663B_34884505	Ca_Kabuli_Chr04	NC_021163.1	34884505	AA	TT	TT	DRR	101494279	Unknown function
SNP_19664B_34884518	Ca_Kabuli_Chr04	NC_021163.1	34884518	AA	TT	TT	DRR	101494279	Unknown function
SNP_19665B_34884536	Ca_Kabuli_Chr04	NC_021163.1	34884536	CC	TT	TT	DRR	101494279	Unknown function
SNP_19666B_34884589	Ca_Kabuli_Chr04	NC_021163.1	34884589	TT	GG	GG	DRR	101494279	Unknown function
SNP_19667B_34884590	Ca_Kabuli_Chr04	NC_021163.1	34884590	TT	GG	GG	DRR	101494279	Unknown function
SNP_19668B_34884603	Ca_Kabuli_Chr04	NC_021163.1	34884603	TT	CC	CC	DRR	101494279	Unknown function
SNP_19669B_34884737	Ca_Kabuli_Chr04	NC_021163.1	34884737	AA	TT	TT	DRR	101494279	Unknown function
SNP_19670B_34912961	Ca_Kabuli_Chr04	NC_021163.1	34912961	CC	TT	TT	INTERGENIC		
SNP_19671B_34912982	Ca_Kabuli_Chr04	NC_021163.1	34912982	CC	TT	TT	INTERGENIC		
SNP_19672B_34912990	Ca_Kabuli_Chr04	NC_021163.1	34912990	TT	CC	CC	INTERGENIC		
SNP_19673B_34913006	Ca_Kabuli_Chr04	NC_021163.1	34913006	AA	CC	CC	INTERGENIC		
SNP_19674B_34913083	Ca_Kabuli_Chr04	NC_021163.1	34913083	AA	GG	GG	INTERGENIC		
SNP_19675B_34937139	Ca_Kabuli_Chr04	NC_021163.1	34937139	GG	AA	AA	INTERGENIC		
SNP_19676B_34955174	Ca_Kabuli_Chr04	NC_021163.1	34955174	GG	TT	TT	INTERGENIC		
SNP_19677B_34972094	Ca_Kabuli_Chr04	NC_021163.1	34972094	TT	GG	GG	INTERGENIC		
SNP_19678B_35037251	Ca_Kabuli_Chr04	NC_021163.1	35037251	AA	CC	CC	DRR	101488753	protein ASPARTIC PROTEASE IN GUARD CELL 2
SNP_19679B_35114980	Ca_Kabuli_Chr04	NC_021163.1	35114980	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_19680B_35115012	Ca_Kabuli_Chr04	NC_021163.1	35115012	CC	AA	AA	INTERGENIC		
SNP_19681B_35115181	Ca_Kabuli_Chr04	NC_021163.1	35115181	TT	CC	CC	INTERGENIC		
SNP_19682B_35115215	Ca_Kabuli_Chr04	NC_021163.1	35115215	AA	CC	CC	INTERGENIC		
SNP_19683B_35115248	Ca_Kabuli_Chr04	NC_021163.1	35115248	AA	GG	GG	INTERGENIC		
SNP_19684B_35115266	Ca_Kabuli_Chr04	NC_021163.1	35115266	AA	GG	GG	INTERGENIC		
SNP_19685B_35115281	Ca_Kabuli_Chr04	NC_021163.1	35115281	GG	AA	AA	INTERGENIC		
SNP_19686B_35115299	Ca_Kabuli_Chr04	NC_021163.1	35115299	AA	GG	GG	INTERGENIC		
SNP_19687B_35115320	Ca_Kabuli_Chr04	NC_021163.1	35115320	GG	TT	TT	INTERGENIC		
SNP_19688B_35185386	Ca_Kabuli_Chr04	NC_021163.1	35185386	CC	TT	TT	INTERGENIC		
SNP_19689B_35187517	Ca_Kabuli_Chr04	NC_021163.1	35187517	AA	TT	TT	INTERGENIC		
SNP_19690B_35187536	Ca_Kabuli_Chr04	NC_021163.1	35187536	AA	TT	TT	INTERGENIC		
SNP_19691B_35246316	Ca_Kabuli_Chr04	NC_021163.1	35246316	GG	AA	AA	INTERGENIC		
SNP_19692B_35257617	Ca_Kabuli_Chr04	NC_021163.1	35257617	CC	AA	AA	INTRON	101495549	Unknown function
SNP_19693B_35258030	Ca_Kabuli_Chr04	NC_021163.1	35258030	AA	CC	CC	INTRON	101495549	Unknown function
SNP_19694B_35342858	Ca_Kabuli_Chr04	NC_021163.1	35342858	TT	CC	CC	INTRON	101492317	myosin-1-like
SNP_19695B_35343934	Ca_Kabuli_Chr04	NC_021163.1	35343934	AA	GG	GG	INTRON	101492317	myosin-1-like
SNP_19696B_35343974	Ca_Kabuli_Chr04	NC_021163.1	35343974	CC	TT	TT	INTRON	101492317	myosin-1-like
SNP_19698B_35345936	Ca_Kabuli_Chr04	NC_021163.1	35345936	CC	TT	TT	INTRON	101492317	myosin-1-like
SNP_19699B_35369564	Ca_Kabuli_Chr04	NC_021163.1	35369564	TT	GG	GG	INTERGENIC		
SNP_19700B_35430382	Ca_Kabuli_Chr04	NC_021163.1	35430382	TT	AA	AA	INTERGENIC		
SNP_19701B_35430854	Ca_Kabuli_Chr04	NC_021163.1	35430854	TT	CC	CC	INTERGENIC		
SNP_19702B_35431031	Ca_Kabuli_Chr04	NC_021163.1	35431031	AA	GG	GG	INTERGENIC		
SNP_19703B_35431591	Ca_Kabuli_Chr04	NC_021163.1	35431591	CC	TT	TT	INTERGENIC		
SNP_19704B_35431628	Ca_Kabuli_Chr04	NC_021163.1	35431628	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_19705B_35431680	Ca_Kabuli_Chr04	NC_021163.1	35431680	CC	AA	AA	INTERGENIC		
SNP_19706B_35431816	Ca_Kabuli_Chr04	NC_021163.1	35431816	CC	TT	TT	INTERGENIC		
SNP_19707B_35431897	Ca_Kabuli_Chr04	NC_021163.1	35431897	AA	CC	CC	INTERGENIC		
SNP_19708B_35431910	Ca_Kabuli_Chr04	NC_021163.1	35431910	AA	GG	GG	INTERGENIC		
SNP_19709B_35431944	Ca_Kabuli_Chr04	NC_021163.1	35431944	CC	AA	AA	INTERGENIC		
SNP_19710B_35431977	Ca_Kabuli_Chr04	NC_021163.1	35431977	TT	CC	CC	INTERGENIC		
SNP_19711B_35431995	Ca_Kabuli_Chr04	NC_021163.1	35431995	CC	TT	TT	INTERGENIC		
SNP_19713B_35432022	Ca_Kabuli_Chr04	NC_021163.1	35432022	GG	AA	AA	INTERGENIC		
SNP_19714B_35432082	Ca_Kabuli_Chr04	NC_021163.1	35432082	GG	AA	AA	INTERGENIC		
SNP_19715B_35432335	Ca_Kabuli_Chr04	NC_021163.1	35432335	AA	GG	GG	INTERGENIC		
SNP_19716B_35432465	Ca_Kabuli_Chr04	NC_021163.1	35432465	GG	AA	AA	INTERGENIC		
SNP_19717B_35432506	Ca_Kabuli_Chr04	NC_021163.1	35432506	TT	CC	CC	INTERGENIC		
SNP_19718B_35432513	Ca_Kabuli_Chr04	NC_021163.1	35432513	GG	CC	CC	INTERGENIC		
SNP_19719B_35432547	Ca_Kabuli_Chr04	NC_021163.1	35432547	TT	CC	CC	INTERGENIC		
SNP_19720B_35432552	Ca_Kabuli_Chr04	NC_021163.1	35432552	GG	AA	AA	INTERGENIC		
SNP_19721B_35432589	Ca_Kabuli_Chr04	NC_021163.1	35432589	AA	GG	GG	INTERGENIC		
SNP_19722B_35432599	Ca_Kabuli_Chr04	NC_021163.1	35432599	GG	TT	TT	INTERGENIC		
SNP_19723B_35432683	Ca_Kabuli_Chr04	NC_021163.1	35432683	TT	GG	GG	INTERGENIC		
SNP_19724B_35432763	Ca_Kabuli_Chr04	NC_021163.1	35432763	TT	GG	GG	INTERGENIC		
SNP_19725B_35432814	Ca_Kabuli_Chr04	NC_021163.1	35432814	CC	TT	TT	INTERGENIC		
SNP_19726B_35432824	Ca_Kabuli_Chr04	NC_021163.1	35432824	GG	AA	AA	INTERGENIC		
SNP_19728B_35432884	Ca_Kabuli_Chr04	NC_021163.1	35432884	TT	GG	GG	INTERGENIC		
SNP_19729B_35433183	Ca_Kabuli_Chr04	NC_021163.1	35433183	GG	TT	TT	INTERGENIC		
SNP_19731B_35433360	Ca_Kabuli_Chr04	NC_021163.1	35433360	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_19732B_35454842	Ca_Kabuli_Chr04	NC_021163.1	35454842	CC	AA	AA	SYNONYMOUS_CODING	101495879	pentatricopeptide repeat-containing protein At3g22470, mitochondrial-like
SNP_19733B_35454883	Ca_Kabuli_Chr04	NC_021163.1	35454883	CC	AA	AA	NON_SYNONYMOUS_CODING	101495879	pentatricopeptide repeat-containing protein At3g22470, mitochondrial-like
SNP_19734B_35455062	Ca_Kabuli_Chr04	NC_021163.1	35455062	TT	AA	AA	INTRON	101495879	pentatricopeptide repeat-containing protein At3g22470, mitochondrial-like
SNP_19736B_35457119	Ca_Kabuli_Chr04	NC_021163.1	35457119	TT	AA	AA	URR	101495879	pentatricopeptide repeat-containing protein At3g22470, mitochondrial-like
SNP_19737B_35457161	Ca_Kabuli_Chr04	NC_021163.1	35457161	GG	TT	TT	URR	101495879	pentatricopeptide repeat-containing protein At3g22470, mitochondrial-like
SNP_19738B_35457303	Ca_Kabuli_Chr04	NC_021163.1	35457303	GG	AA	AA	URR	101495879	pentatricopeptide repeat-containing protein At3g22470, mitochondrial-like
SNP_19739B_35457316	Ca_Kabuli_Chr04	NC_021163.1	35457316	TT	CC	CC	URR	101495879	pentatricopeptide repeat-containing protein At3g22470, mitochondrial-like
SNP_19740B_35457511	Ca_Kabuli_Chr04	NC_021163.1	35457511	CC	GG	GG	URR	101495879	pentatricopeptide repeat-containing protein At3g22470, mitochondrial-like
SNP_19741B_35461251	Ca_Kabuli_Chr04	NC_021163.1	35461251	TT	CC	CC	INTERGENIC		
SNP_19742B_35469224	Ca_Kabuli_Chr04	NC_021163.1	35469224	TT	CC	CC	SYNONYMOUS_CODING	101496213	sugar transport protein 10-like
SNP_19743B_35469304	Ca_Kabuli_Chr04	NC_021163.1	35469304	GG	AA	AA	NON_SYNONYMOUS_CODING	101496213	sugar transport protein 10-like
SNP_19744B_35469394	Ca_Kabuli_Chr04	NC_021163.1	35469394	CC	TT	TT	NON_SYNONYMOUS_CODING	101496213	sugar transport protein 10-like
SNP_19745B_35469506	Ca_Kabuli_Chr04	NC_021163.1	35469506	CC	TT	TT	URR	101496213	sugar transport protein 10-like
SNP_19746B_35469609	Ca_Kabuli_Chr04	NC_021163.1	35469609	CC	TT	TT	URR	101496213	sugar transport protein 10-like
SNP_19747B_35469667	Ca_Kabuli_Chr04	NC_021163.1	35469667	AA	CC	CC	URR	101496213	sugar transport protein 10-like
SNP_19748B_35469740	Ca_Kabuli_Chr04	NC_021163.1	35469740	AA	TT	TT	URR	101496213	sugar transport protein 10-like
SNP_19749B_35469741	Ca_Kabuli_Chr04	NC_021163.1	35469741	TT	GG	GG	URR	101496213	sugar transport protein 10-like
SNP_19750B_35469851	Ca_Kabuli_Chr04	NC_021163.1	35469851	GG	AA	AA	URR	101496213	sugar transport protein 10-like
SNP_19751B_35469868	Ca_Kabuli_Chr04	NC_021163.1	35469868	GG	AA	AA	URR	101496213	sugar transport protein 10-like
SNP_19752B_35469894	Ca_Kabuli_Chr04	NC_021163.1	35469894	AA	TT	TT	URR	101496213	sugar transport protein 10-like
SNP_19753B_35469930	Ca_Kabuli_Chr04	NC_021163.1	35469930	AA	TT	TT	URR	101496213	sugar transport protein 10-like
SNP_19754B_35469972	Ca_Kabuli_Chr04	NC_021163.1	35469972	GG	AA	AA	URR	101496213	sugar transport protein 10-like
SNP_19755B_35470016	Ca_Kabuli_Chr04	NC_021163.1	35470016	AA	GG	GG	URR	101496213	sugar transport protein 10-like
SNP_19756B_35470027	Ca_Kabuli_Chr04	NC_021163.1	35470027	CC	TT	TT	URR	101496213	sugar transport protein 10-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_19757B_35470103	Ca_Kabuli_Chr04	NC_021163.1	35470103	TT	AA	AA	URR	101496213	sugar transport protein 10-like
SNP_19758B_35470158	Ca_Kabuli_Chr04	NC_021163.1	35470158	GG	CC	CC	URR	101496213	sugar transport protein 10-like
SNP_19759B_35470160	Ca_Kabuli_Chr04	NC_021163.1	35470160	TT	CC	CC	URR	101496213	sugar transport protein 10-like
SNP_19760B_35470167	Ca_Kabuli_Chr04	NC_021163.1	35470167	CC	TT	TT	URR	101496213	sugar transport protein 10-like
SNP_19761B_35470186	Ca_Kabuli_Chr04	NC_021163.1	35470186	TT	CC	CC	URR	101496213	sugar transport protein 10-like
SNP_19762B_35470200	Ca_Kabuli_Chr04	NC_021163.1	35470200	CC	TT	TT	URR	101496213	sugar transport protein 10-like
SNP_19763B_35470241	Ca_Kabuli_Chr04	NC_021163.1	35470241	GG	AA	AA	URR	101496213	sugar transport protein 10-like
SNP_19764B_35470291	Ca_Kabuli_Chr04	NC_021163.1	35470291	GG	AA	AA	URR	101496213	sugar transport protein 10-like
SNP_19765B_35470304	Ca_Kabuli_Chr04	NC_021163.1	35470304	TT	CC	CC	URR	101496213	sugar transport protein 10-like
SNP_19766B_35470319	Ca_Kabuli_Chr04	NC_021163.1	35470319	GG	AA	AA	URR	101496213	sugar transport protein 10-like
SNP_19767B_35487121	Ca_Kabuli_Chr04	NC_021163.1	35487121	GG	AA	AA	NON_SYNONYMOUS_CODING	101496538	sugar transport protein 10-like
SNP_19768B_35490885	Ca_Kabuli_Chr04	NC_021163.1	35490885	CC	TT	TT	URR	101496538	sugar transport protein 10-like
SNP_19769B_35511873	Ca_Kabuli_Chr04	NC_021163.1	35511873	TT	CC	CC	INTRON	101497199	HAUS augmin-like complex subunit 3
SNP_19770B_35511955	Ca_Kabuli_Chr04	NC_021163.1	35511955	GG	CC	CC	INTRON	101497199	HAUS augmin-like complex subunit 3
SNP_19771B_35512474	Ca_Kabuli_Chr04	NC_021163.1	35512474	CC	AA	AA	INTRON	101497199	HAUS augmin-like complex subunit 3
SNP_19772B_35563436	Ca_Kabuli_Chr04	NC_021163.1	35563436	AA	CC	CC	INTERGENIC		
SNP_19773B_35580332	Ca_Kabuli_Chr04	NC_021163.1	35580332	TT	GG	GG	INTERGENIC		
SNP_19774B_35580336	Ca_Kabuli_Chr04	NC_021163.1	35580336	AA	GG	GG	INTERGENIC		
SNP_19775B_35600897	Ca_Kabuli_Chr04	NC_021163.1	35600897	CC	AA	AA	INTERGENIC		
SNP_19776B_35615862	Ca_Kabuli_Chr04	NC_021163.1	35615862	TT	CC	CC	INTERGENIC		
SNP_19777B_35615895	Ca_Kabuli_Chr04	NC_021163.1	35615895	AA	GG	GG	INTERGENIC		
SNP_19778B_35615912	Ca_Kabuli_Chr04	NC_021163.1	35615912	TT	GG	GG	INTERGENIC		
SNP_19779B_35615979	Ca_Kabuli_Chr04	NC_021163.1	35615979	GG	AA	AA	INTERGENIC		
SNP_19780B_35616382	Ca_Kabuli_Chr04	NC_021163.1	35616382	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_19781B_35616942	Ca_Kabuli_Chr04	NC_021163.1	35616942	CC	AA	AA	INTERGENIC		
SNP_19782B_35617112	Ca_Kabuli_Chr04	NC_021163.1	35617112	AA	GG	GG	INTERGENIC		
SNP_19783B_35617119	Ca_Kabuli_Chr04	NC_021163.1	35617119	AA	GG	GG	INTERGENIC		
SNP_19784B_35617122	Ca_Kabuli_Chr04	NC_021163.1	35617122	TT	CC	CC	INTERGENIC		
SNP_19785B_35617195	Ca_Kabuli_Chr04	NC_021163.1	35617195	TT	CC	CC	INTERGENIC		
SNP_19786B_35617252	Ca_Kabuli_Chr04	NC_021163.1	35617252	GG	AA	AA	INTERGENIC		
SNP_19787B_35628813	Ca_Kabuli_Chr04	NC_021163.1	35628813	TT	GG	GG	INTERGENIC		
SNP_19788B_35628815	Ca_Kabuli_Chr04	NC_021163.1	35628815	AA	CC	CC	INTERGENIC		
SNP_19789B_35629680	Ca_Kabuli_Chr04	NC_021163.1	35629680	AA	TT	TT	DRR	101498272	elongation factor Tu GTP-binding domain-containing protein 1
SNP_19790B_35643538	Ca_Kabuli_Chr04	NC_021163.1	35643538	CC	TT	TT	URR	101498609	protein MOS2
SNP_19791B_35691584	Ca_Kabuli_Chr04	NC_021163.1	35691584	CC	TT	TT	INTERGENIC		
SNP_19792B_35691657	Ca_Kabuli_Chr04	NC_021163.1	35691657	CC	AA	AA	INTERGENIC		
SNP_19793B_35695354	Ca_Kabuli_Chr04	NC_021163.1	35695354	GG	AA	AA	INTERGENIC		
SNP_19794B_35695400	Ca_Kabuli_Chr04	NC_021163.1	35695400	CC	AA	AA	INTERGENIC		
SNP_19795B_35695729	Ca_Kabuli_Chr04	NC_021163.1	35695729	TT	GG	GG	INTERGENIC		
SNP_19796B_35695794	Ca_Kabuli_Chr04	NC_021163.1	35695794	GG	AA	AA	INTERGENIC		
SNP_19797B_35708734	Ca_Kabuli_Chr04	NC_021163.1	35708734	AA	GG	GG	INTERGENIC		
SNP_19798B_35708738	Ca_Kabuli_Chr04	NC_021163.1	35708738	GG	AA	AA	INTERGENIC		
SNP_19799B_35723244	Ca_Kabuli_Chr04	NC_021163.1	35723244	CC	AA	AA	INTERGENIC		
SNP_19800B_35740717	Ca_Kabuli_Chr04	NC_021163.1	35740717	CC	TT	TT	DRR	101504167	uncharacterized LOC101504167
SNP_19801B_35780234	Ca_Kabuli_Chr04	NC_021163.1	35780234	CC	AA	AA	INTERGENIC		
SNP_19802B_35780302	Ca_Kabuli_Chr04	NC_021163.1	35780302	TT	AA	AA	INTERGENIC		
SNP_19803B_35780428	Ca_Kabuli_Chr04	NC_021163.1	35780428	GG	AA	AA	INTERGENIC		
SNP_19804B_35780505	Ca_Kabuli_Chr04	NC_021163.1	35780505	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_19805B_35791340	Ca_Kabuli_Chr04	NC_021163.1	35791340	CC	GG	GG	INTERGENIC		
SNP_19806B_35791499	Ca_Kabuli_Chr04	NC_021163.1	35791499	CC	TT	TT	INTERGENIC		
SNP_19807B_35791676	Ca_Kabuli_Chr04	NC_021163.1	35791676	GG	CC	CC	INTERGENIC		
SNP_19808B_35791774	Ca_Kabuli_Chr04	NC_021163.1	35791774	TT	AA	AA	INTERGENIC		
SNP_19809B_35791781	Ca_Kabuli_Chr04	NC_021163.1	35791781	AA	TT	TT	INTERGENIC		
SNP_19810B_35792208	Ca_Kabuli_Chr04	NC_021163.1	35792208	GG	AA	AA	INTERGENIC		
SNP_19811B_35798271	Ca_Kabuli_Chr04	NC_021163.1	35798271	CC	TT	TT	INTERGENIC		
SNP_19812B_35798285	Ca_Kabuli_Chr04	NC_021163.1	35798285	AA	TT	TT	INTERGENIC		
SNP_19813B_35798391	Ca_Kabuli_Chr04	NC_021163.1	35798391	CC	AA	AA	INTERGENIC		
SNP_19814B_35798427	Ca_Kabuli_Chr04	NC_021163.1	35798427	TT	AA	AA	INTERGENIC		
SNP_19815B_35819027	Ca_Kabuli_Chr04	NC_021163.1	35819027	CC	TT	TT	INTERGENIC		
SNP_19816B_35819088	Ca_Kabuli_Chr04	NC_021163.1	35819088	AA	GG	GG	INTERGENIC		
SNP_19817B_35819233	Ca_Kabuli_Chr04	NC_021163.1	35819233	TT	CC	CC	INTERGENIC		
SNP_19819B_35828698	Ca_Kabuli_Chr04	NC_021163.1	35828698	TT	GG	GG	INTERGENIC		
SNP_19820B_35828742	Ca_Kabuli_Chr04	NC_021163.1	35828742	AA	CC	CC	INTERGENIC		
SNP_19821B_35828798	Ca_Kabuli_Chr04	NC_021163.1	35828798	AA	GG	GG	INTERGENIC		
SNP_19822B_35828819	Ca_Kabuli_Chr04	NC_021163.1	35828819	AA	CC	CC	INTERGENIC		
SNP_19823B_35828919	Ca_Kabuli_Chr04	NC_021163.1	35828919	CC	TT	TT	INTERGENIC		
SNP_19824B_35828930	Ca_Kabuli_Chr04	NC_021163.1	35828930	GG	AA	AA	INTERGENIC		
SNP_19825B_35828974	Ca_Kabuli_Chr04	NC_021163.1	35828974	CC	TT	TT	INTERGENIC		
SNP_19826B_35891213	Ca_Kabuli_Chr04	NC_021163.1	35891213	TT	GG	GG	INTERGENIC		
SNP_19828B_35984541	Ca_Kabuli_Chr04	NC_021163.1	35984541	TT	AA	AA	URR	101505345	DNA-dependent metalloprotease WSS1
SNP_19829B_36012964	Ca_Kabuli_Chr04	NC_021163.1	36012964	AA	TT	TT	INTERGENIC		
SNP_19830B_36027244	Ca_Kabuli_Chr04	NC_021163.1	36027244	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_19831B_36027246	Ca_Kabuli_Chr04	NC_021163.1	36027246	TT	GG	GG	INTERGENIC		
SNP_19833B_36079340	Ca_Kabuli_Chr04	NC_021163.1	36079340	GG	AA	AA	INTRON	101505676	uncharacterized LOC101505676
SNP_19834B_36099075	Ca_Kabuli_Chr04	NC_021163.1	36099075	TT	GG	GG	INTERGENIC		
SNP_19835B_36099425	Ca_Kabuli_Chr04	NC_021163.1	36099425	TT	CC	CC	INTERGENIC		
SNP_19836B_36118930	Ca_Kabuli_Chr04	NC_021163.1	36118930	GG	TT	TT	INTERGENIC		
SNP_19837B_36118936	Ca_Kabuli_Chr04	NC_021163.1	36118936	GG	TT	TT	INTERGENIC		
SNP_19838B_36118947	Ca_Kabuli_Chr04	NC_021163.1	36118947	CC	AA	AA	INTERGENIC		
SNP_19839B_36118948	Ca_Kabuli_Chr04	NC_021163.1	36118948	CC	TT	TT	INTERGENIC		
SNP_19840B_36118965	Ca_Kabuli_Chr04	NC_021163.1	36118965	CC	TT	TT	INTERGENIC		
SNP_19841B_36138268	Ca_Kabuli_Chr04	NC_021163.1	36138268	GG	TT	TT	INTERGENIC		
SNP_19843B_36140244	Ca_Kabuli_Chr04	NC_021163.1	36140244	TT	CC	CC	INTERGENIC		
SNP_19844B_36291048	Ca_Kabuli_Chr04	NC_021163.1	36291048	GG	AA	AA	URR	101502559	uncharacterized LOC101502559
SNP_19845B_36300103	Ca_Kabuli_Chr04	NC_021163.1	36300103	TT	CC	CC	INTERGENIC		
SNP_19846B_36300176	Ca_Kabuli_Chr04	NC_021163.1	36300176	AA	GG	GG	INTERGENIC		
SNP_19847B_36300222	Ca_Kabuli_Chr04	NC_021163.1	36300222	AA	GG	GG	INTERGENIC		
SNP_19848B_36335023	Ca_Kabuli_Chr04	NC_021163.1	36335023	TT	AA	AA	INTERGENIC		
SNP_19849B_36335061	Ca_Kabuli_Chr04	NC_021163.1	36335061	GG	AA	AA	INTERGENIC		
SNP_19850B_36335873	Ca_Kabuli_Chr04	NC_021163.1	36335873	CC	TT	TT	INTERGENIC		
SNP_19851B_36335983	Ca_Kabuli_Chr04	NC_021163.1	36335983	TT	CC	CC	INTERGENIC		
SNP_19852B_36336016	Ca_Kabuli_Chr04	NC_021163.1	36336016	CC	AA	AA	INTERGENIC		
SNP_19853B_36336040	Ca_Kabuli_Chr04	NC_021163.1	36336040	CC	TT	TT	INTERGENIC		
SNP_19854B_36336043	Ca_Kabuli_Chr04	NC_021163.1	36336043	AA	GG	GG	INTERGENIC		
SNP_19855B_36336049	Ca_Kabuli_Chr04	NC_021163.1	36336049	AA	TT	TT	INTERGENIC		
SNP_19856B_36336059	Ca_Kabuli_Chr04	NC_021163.1	36336059	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_19857B_36336107	Ca_Kabuli_Chr04	NC_021163.1	36336107	TT	CC	CC	INTERGENIC		
SNP_19858B_36336220	Ca_Kabuli_Chr04	NC_021163.1	36336220	CC	TT	TT	INTERGENIC		
SNP_19859B_36336701	Ca_Kabuli_Chr04	NC_021163.1	36336701	GG	AA	AA	INTERGENIC		
SNP_19860B_36336712	Ca_Kabuli_Chr04	NC_021163.1	36336712	TT	AA	AA	INTERGENIC		
SNP_19861B_36336741	Ca_Kabuli_Chr04	NC_021163.1	36336741	TT	CC	CC	INTERGENIC		
SNP_19862B_36336755	Ca_Kabuli_Chr04	NC_021163.1	36336755	CC	GG	GG	INTERGENIC		
SNP_19863B_36336872	Ca_Kabuli_Chr04	NC_021163.1	36336872	GG	AA	AA	INTERGENIC		
SNP_19865B_36336927	Ca_Kabuli_Chr04	NC_021163.1	36336927	CC	AA	AA	INTERGENIC		
SNP_19866B_36336951	Ca_Kabuli_Chr04	NC_021163.1	36336951	CC	TT	TT	INTERGENIC		
SNP_19867B_36336967	Ca_Kabuli_Chr04	NC_021163.1	36336967	AA	TT	TT	INTERGENIC		
SNP_19868B_36336968	Ca_Kabuli_Chr04	NC_021163.1	36336968	AA	GG	GG	INTERGENIC		
SNP_19869B_36337004	Ca_Kabuli_Chr04	NC_021163.1	36337004	AA	GG	GG	INTERGENIC		
SNP_19870B_36337010	Ca_Kabuli_Chr04	NC_021163.1	36337010	CC	TT	TT	INTERGENIC		
SNP_19871B_36337106	Ca_Kabuli_Chr04	NC_021163.1	36337106	AA	GG	GG	INTERGENIC		
SNP_19872B_36337115	Ca_Kabuli_Chr04	NC_021163.1	36337115	AA	GG	GG	INTERGENIC		
SNP_19874B_36337230	Ca_Kabuli_Chr04	NC_021163.1	36337230	GG	AA	AA	INTERGENIC		
SNP_19875B_36337313	Ca_Kabuli_Chr04	NC_021163.1	36337313	AA	GG	GG	INTERGENIC		
SNP_19876B_36337318	Ca_Kabuli_Chr04	NC_021163.1	36337318	CC	GG	GG	INTERGENIC		
SNP_19877B_36342735	Ca_Kabuli_Chr04	NC_021163.1	36342735	CC	TT	TT	INTERGENIC		
SNP_19878B_36375830	Ca_Kabuli_Chr04	NC_021163.1	36375830	GG	TT	TT	INTERGENIC		
SNP_19879B_36377192	Ca_Kabuli_Chr04	NC_021163.1	36377192	TT	CC	CC	URR	101503518	CASP-like protein 1C1
SNP_19880B_36377491	Ca_Kabuli_Chr04	NC_021163.1	36377491	AA	GG	GG	URR	101503518	CASP-like protein 1C1
SNP_19881B_36377676	Ca_Kabuli_Chr04	NC_021163.1	36377676	GG	CC	CC	URR	101503518	CASP-like protein 1C1
SNP_19882B_36381301	Ca_Kabuli_Chr04	NC_021163.1	36381301	GG	AA	AA	URR	101503855	putative clathrin assembly protein At1g25240

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_19883B_36381303	Ca_Kabuli_Chr04	NC_021163.1	36381303	CC	TT	TT	URR	101503855	putative clathrin assembly protein At1g25240
SNP_19884B_36381610	Ca_Kabuli_Chr04	NC_021163.1	36381610	AA	GG	GG	URR	101503855	putative clathrin assembly protein At1g25240
SNP_19885B_36381642	Ca_Kabuli_Chr04	NC_021163.1	36381642	TT	CC	CC	URR	101503855	putative clathrin assembly protein At1g25240
SNP_19886B_36383657	Ca_Kabuli_Chr04	NC_021163.1	36383657	AA	GG	GG	INTERGENIC		
SNP_19887B_36383662	Ca_Kabuli_Chr04	NC_021163.1	36383662	AA	GG	GG	INTERGENIC		
SNP_19888B_36383766	Ca_Kabuli_Chr04	NC_021163.1	36383766	GG	TT	TT	INTERGENIC		
SNP_19889B_36383771	Ca_Kabuli_Chr04	NC_021163.1	36383771	TT	GG	GG	INTERGENIC		
SNP_19891B_36408727	Ca_Kabuli_Chr04	NC_021163.1	36408727	GG	TT	TT	URR	101512838	pentatricopeptide repeat-containing protein At5g39710
SNP_19892B_36409091	Ca_Kabuli_Chr04	NC_021163.1	36409091	AA	TT	TT	URR	101512838	pentatricopeptide repeat-containing protein At5g39710
SNP_19893B_36409429	Ca_Kabuli_Chr04	NC_021163.1	36409429	GG	TT	TT	INTERGENIC		
SNP_19894B_36410139	Ca_Kabuli_Chr04	NC_021163.1	36410139	AA	GG	GG	INTERGENIC		
SNP_19895B_36419511	Ca_Kabuli_Chr04	NC_021163.1	36419511	AA	CC	CC	INTERGENIC		
SNP_19896B_36419531	Ca_Kabuli_Chr04	NC_021163.1	36419531	AA	TT	TT	INTERGENIC		
SNP_19897B_36422697	Ca_Kabuli_Chr04	NC_021163.1	36422697	GG	TT	TT	NON_SYNONYMOUS_CODING	101504493	agamous-like MADS-box protein AGL80
SNP_19898B_36437622	Ca_Kabuli_Chr04	NC_021163.1	36437622	TT	GG	GG	INTERGENIC		
SNP_19899B_36438006	Ca_Kabuli_Chr04	NC_021163.1	36438006	AA	TT	TT	INTERGENIC		
SNP_19900B_36445345	Ca_Kabuli_Chr04	NC_021163.1	36445345	GG	AA	AA	SYNONYMOUS_CODING	101513382	armadillo repeat-containing protein 6
SNP_19901B_36450556	Ca_Kabuli_Chr04	NC_021163.1	36450556	CC	TT	TT	URR	101513382	armadillo repeat-containing protein 6
SNP_19902B_36450567	Ca_Kabuli_Chr04	NC_021163.1	36450567	TT	GG	GG	URR	101513382	armadillo repeat-containing protein 6
SNP_19903B_36450582	Ca_Kabuli_Chr04	NC_021163.1	36450582	CC	TT	TT	URR	101513382	armadillo repeat-containing protein 6
SNP_19904B_36452938	Ca_Kabuli_Chr04	NC_021163.1	36452938	CC	TT	TT	INTERGENIC		
SNP_19905B_36452980	Ca_Kabuli_Chr04	NC_021163.1	36452980	TT	CC	CC	INTERGENIC		
SNP_19906B_36452991	Ca_Kabuli_Chr04	NC_021163.1	36452991	CC	TT	TT	DRR	101513696	serine/threonine-protein kinase SRK2E
SNP_19907B_36453035	Ca_Kabuli_Chr04	NC_021163.1	36453035	CC	AA	AA	DRR	101513696	serine/threonine-protein kinase SRK2E

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_19908B_36453060	Ca_Kabuli_Chr04	NC_021163.1	36453060	GG	AA	AA	DRR	101513696	serine/threonine-protein kinase SRK2E
SNP_19909B_36453243	Ca_Kabuli_Chr04	NC_021163.1	36453243	CC	TT	TT	DRR	101513696	serine/threonine-protein kinase SRK2E
SNP_19911B_36462625	Ca_Kabuli_Chr04	NC_021163.1	36462625	GG	CC	CC	INTERGENIC		
SNP_19912B_36464177	Ca_Kabuli_Chr04	NC_021163.1	36464177	AA	GG	GG	DRR	101514584	probable N-acetyl-gamma-glutamyl-phosphate reductase, chloroplastic
SNP_19913B_36464226	Ca_Kabuli_Chr04	NC_021163.1	36464226	CC	AA	AA	DRR	101514584	probable N-acetyl-gamma-glutamyl-phosphate reductase, chloroplastic
SNP_19914B_36464467	Ca_Kabuli_Chr04	NC_021163.1	36464467	CC	GG	GG	URR	101514031	uncharacterized LOC101514031
SNP_19915B_36467421	Ca_Kabuli_Chr04	NC_021163.1	36467421	GG	AA	AA	SYNONYMOUS_CODING	101514584	probable N-acetyl-gamma-glutamyl-phosphate reductase, chloroplastic
SNP_19916B_36467943	Ca_Kabuli_Chr04	NC_021163.1	36467943	AA	GG	GG	INTRON	101514584	probable N-acetyl-gamma-glutamyl-phosphate reductase, chloroplastic
SNP_19917B_36469012	Ca_Kabuli_Chr04	NC_021163.1	36469012	TT	CC	CC	INTRON	101514584	probable N-acetyl-gamma-glutamyl-phosphate reductase, chloroplastic
SNP_19918B_36469223	Ca_Kabuli_Chr04	NC_021163.1	36469223	TT	CC	CC	INTRON	101514584	probable N-acetyl-gamma-glutamyl-phosphate reductase, chloroplastic
SNP_19919B_36469282	Ca_Kabuli_Chr04	NC_021163.1	36469282	GG	AA	AA	INTRON	101514584	probable N-acetyl-gamma-glutamyl-phosphate reductase, chloroplastic
SNP_19920B_36471475	Ca_Kabuli_Chr04	NC_021163.1	36471475	CC	TT	TT	INTRON	101514584	probable N-acetyl-gamma-glutamyl-phosphate reductase, chloroplastic
SNP_19921B_36472204	Ca_Kabuli_Chr04	NC_021163.1	36472204	CC	TT	TT	URR	101514584	probable N-acetyl-gamma-glutamyl-phosphate reductase, chloroplastic
SNP_19922B_36473558	Ca_Kabuli_Chr04	NC_021163.1	36473558	GG	AA	AA	URR	101514584	probable N-acetyl-gamma-glutamyl-phosphate reductase, chloroplastic
SNP_19924B_36474647	Ca_Kabuli_Chr04	NC_021163.1	36474647	TT	GG	GG	INTERGENIC		
SNP_19925B_36478028	Ca_Kabuli_Chr04	NC_021163.1	36478028	TT	GG	GG	DRR	101504807	gibberellin 20 oxidase 2-like
SNP_19926B_36478040	Ca_Kabuli_Chr04	NC_021163.1	36478040	CC	AA	AA	DRR	101504807	gibberellin 20 oxidase 2-like
SNP_19927B_36497241	Ca_Kabuli_Chr04	NC_021163.1	36497241	GG	CC	CC	INTERGENIC		
SNP_19929B_36507307	Ca_Kabuli_Chr04	NC_021163.1	36507307	TT	GG	GG	NON_SYNONYMOUS_CODING	101515557	leucine-rich repeat extensin-like protein 3
SNP_19930B_36510371	Ca_Kabuli_Chr04	NC_021163.1	36510371	CC	TT	TT	INTERGENIC		
SNP_19931B_36510385	Ca_Kabuli_Chr04	NC_021163.1	36510385	TT	CC	CC	INTERGENIC		
SNP_19932B_36510558	Ca_Kabuli_Chr04	NC_021163.1	36510558	GG	TT	TT	INTERGENIC		
SNP_19933B_36515777	Ca_Kabuli_Chr04	NC_021163.1	36515777	GG	AA	AA	INTERGENIC		
SNP_19934B_36518547	Ca_Kabuli_Chr04	NC_021163.1	36518547	AA	GG	GG	DRR	101488311	uncharacterized LOC101488311

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_19935B_36534468	Ca_Kabuli_Chr04	NC_021163.1	36534468	TT	CC	CC	INTRON	101488634	B3 domain-containing transcription factor VRN1-like
SNP_19936B_36545836	Ca_Kabuli_Chr04	NC_021163.1	36545836	TT	CC	CC	INTERGENIC		
SNP_19937B_36545864	Ca_Kabuli_Chr04	NC_021163.1	36545864	CC	AA	AA	INTERGENIC		
SNP_19938B_36559031	Ca_Kabuli_Chr04	NC_021163.1	36559031	AA	GG	GG	INTERGENIC		
SNP_19940B_36567207	Ca_Kabuli_Chr04	NC_021163.1	36567207	CC	TT	TT	DRR	101489625	extra-large guanine nucleotide-binding protein 1-like
SNP_19941B_36575031	Ca_Kabuli_Chr04	NC_021163.1	36575031	TT	CC	CC	URR	101489625	extra-large guanine nucleotide-binding protein 1-like
SNP_19942B_36593269	Ca_Kabuli_Chr04	NC_021163.1	36593269	AA	GG	CC	INTERGENIC		
SNP_19943B_36593488	Ca_Kabuli_Chr04	NC_021163.1	36593488	TT	CC	CC	INTERGENIC		
SNP_19944B_36593695	Ca_Kabuli_Chr04	NC_021163.1	36593695	GG	AA	AA	INTERGENIC		
SNP_19945B_36593811	Ca_Kabuli_Chr04	NC_021163.1	36593811	TT	GG	GG	INTERGENIC		
SNP_19946B_36595718	Ca_Kabuli_Chr04	NC_021163.1	36595718	AA	TT	TT	INTERGENIC		
SNP_19947B_36595964	Ca_Kabuli_Chr04	NC_021163.1	36595964	CC	TT	TT	INTERGENIC		
SNP_19948B_36595976	Ca_Kabuli_Chr04	NC_021163.1	36595976	CC	AA	AA	INTERGENIC		
SNP_19949B_36596013	Ca_Kabuli_Chr04	NC_021163.1	36596013	AA	TT	TT	INTERGENIC		
SNP_19950B_36596027	Ca_Kabuli_Chr04	NC_021163.1	36596027	AA	TT	TT	INTERGENIC		
SNP_19951B_36596049	Ca_Kabuli_Chr04	NC_021163.1	36596049	CC	GG	GG	INTERGENIC		
SNP_19952B_36596262	Ca_Kabuli_Chr04	NC_021163.1	36596262	CC	AA	AA	INTERGENIC		
SNP_19953B_36603837	Ca_Kabuli_Chr04	NC_021163.1	36603837	CC	TT	TT	INTERGENIC		
SNP_19954B_36619939	Ca_Kabuli_Chr04	NC_021163.1	36619939	CC	TT	TT	INTRON	101490490	long chain acyl-CoA synthetase 2-like
SNP_19955B_36621195	Ca_Kabuli_Chr04	NC_021163.1	36621195	GG	AA	AA	INTRON	101490490	long chain acyl-CoA synthetase 2-like
SNP_19956B_36621407	Ca_Kabuli_Chr04	NC_021163.1	36621407	GG	CC	CC	INTRON	101490490	long chain acyl-CoA synthetase 2-like
SNP_19957B_36621421	Ca_Kabuli_Chr04	NC_021163.1	36621421	TT	GG	GG	INTRON	101490490	long chain acyl-CoA synthetase 2-like
SNP_19959B_36622773	Ca_Kabuli_Chr04	NC_021163.1	36622773	GG	TT	TT	URR	101490490	long chain acyl-CoA synthetase 2-like
SNP_19960B_36622828	Ca_Kabuli_Chr04	NC_021163.1	36622828	AA	TT	TT	URR	101490490	long chain acyl-CoA synthetase 2-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_19961B_36624763	Ca_Kabuli_Chr04	NC_021163.1	36624763	GG	CC	CC	INTERGENIC		
SNP_19962B_36631064	Ca_Kabuli_Chr04	NC_021163.1	36631064	AA	CC	CC	INTERGENIC		
SNP_19963B_36631344	Ca_Kabuli_Chr04	NC_021163.1	36631344	GG	TT	TT	INTERGENIC		
SNP_19964B_36631684	Ca_Kabuli_Chr04	NC_021163.1	36631684	AA	GG	GG	INTERGENIC		
SNP_19965B_36633185	Ca_Kabuli_Chr04	NC_021163.1	36633185	CC	TT	TT	INTERGENIC		
SNP_19966B_36633226	Ca_Kabuli_Chr04	NC_021163.1	36633226	GG	AA	AA	INTERGENIC		
SNP_19969B_36644567	Ca_Kabuli_Chr04	NC_021163.1	36644567	CC	TT	TT	INTRON	101491351	pyridine nucleotide-disulfide oxidoreductase domain-containing protein 2-like
SNP_19970B_36645313	Ca_Kabuli_Chr04	NC_021163.1	36645313	GG	AA	AA	INTRON	101491351	pyridine nucleotide-disulfide oxidoreductase domain-containing protein 2-like
SNP_19971B_36646015	Ca_Kabuli_Chr04	NC_021163.1	36646015	GG	AA	AA	INTRON	101491351	pyridine nucleotide-disulfide oxidoreductase domain-containing protein 2-like
SNP_19972B_36647686	Ca_Kabuli_Chr04	NC_021163.1	36647686	GG	AA	AA	INTRON	101491351	pyridine nucleotide-disulfide oxidoreductase domain-containing protein 2-like
SNP_19973B_36663465	Ca_Kabuli_Chr04	NC_021163.1	36663465	AA	GG	GG	INTERGENIC		
SNP_19974B_36663863	Ca_Kabuli_Chr04	NC_021163.1	36663863	AA	GG	GG	INTERGENIC		
SNP_19975B_36663883	Ca_Kabuli_Chr04	NC_021163.1	36663883	AA	GG	GG	INTERGENIC		
SNP_19976B_36674183	Ca_Kabuli_Chr04	NC_021163.1	36674183	TT	CC	CC	DRR	101492763	deSI-like protein At4g17486
SNP_19977B_36726607	Ca_Kabuli_Chr04	NC_021163.1	36726607	TT	CC	CC	INTERGENIC		
SNP_19978B_36726627	Ca_Kabuli_Chr04	NC_021163.1	36726627	TT	CC	CC	INTERGENIC		
SNP_19979B_36726657	Ca_Kabuli_Chr04	NC_021163.1	36726657	TT	CC	CC	INTERGENIC		
SNP_19980B_36726681	Ca_Kabuli_Chr04	NC_021163.1	36726681	CC	TT	TT	INTERGENIC		
SNP_19981B_36726704	Ca_Kabuli_Chr04	NC_021163.1	36726704	TT	CC	CC	INTERGENIC		
SNP_19982B_36726720	Ca_Kabuli_Chr04	NC_021163.1	36726720	AA	CC	CC	INTERGENIC		
SNP_19983B_36726750	Ca_Kabuli_Chr04	NC_021163.1	36726750	AA	GG	GG	INTERGENIC		
SNP_19984B_36726819	Ca_Kabuli_Chr04	NC_021163.1	36726819	CC	AA	AA	INTERGENIC		
SNP_19985B_36727121	Ca_Kabuli_Chr04	NC_021163.1	36727121	TT	AA	AA	INTERGENIC		
SNP_19986B_36761432	Ca_Kabuli_Chr04	NC_021163.1	36761432	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_19987B_36777104	Ca_Kabuli_Chr04	NC_021163.1	36777104	TT	GG	GG	INTERGENIC		
SNP_19988B_36814829	Ca_Kabuli_Chr04	NC_021163.1	36814829	CC	TT	TT	INTERGENIC		
SNP_19989B_36859655	Ca_Kabuli_Chr04	NC_021163.1	36859655	GG	TT	TT	INTERGENIC		
SNP_19990B_36907623	Ca_Kabuli_Chr04	NC_021163.1	36907623	AA	GG	GG	INTERGENIC		
SNP_19991B_36907686	Ca_Kabuli_Chr04	NC_021163.1	36907686	AA	GG	GG	INTERGENIC		
SNP_19992B_36937984	Ca_Kabuli_Chr04	NC_021163.1	36937984	GG	TT	TT	INTERGENIC		
SNP_19994B_36952750	Ca_Kabuli_Chr04	NC_021163.1	36952750	GG	TT	TT	INTRON	101496648	protein indeterminate-domain 5, chloroplastic-like
SNP_19995B_36957135	Ca_Kabuli_Chr04	NC_021163.1	36957135	CC	GG	GG	URR	101496648	protein indeterminate-domain 5, chloroplastic-like
SNP_19996B_36959216	Ca_Kabuli_Chr04	NC_021163.1	36959216	TT	CC	CC	INTERGENIC		
SNP_19997B_36959511	Ca_Kabuli_Chr04	NC_021163.1	36959511	AA	GG	GG	INTERGENIC		
SNP_19998B_36959823	Ca_Kabuli_Chr04	NC_021163.1	36959823	CC	AA	AA	INTERGENIC		
SNP_20000B_36965282	Ca_Kabuli_Chr04	NC_021163.1	36965282	GG	AA	AA	INTERGENIC		
SNP_20002B_36969702	Ca_Kabuli_Chr04	NC_021163.1	36969702	GG	TT	TT	INTERGENIC		
SNP_20003B_36969768	Ca_Kabuli_Chr04	NC_021163.1	36969768	AA	GG	GG	INTERGENIC		
SNP_20004B_36969774	Ca_Kabuli_Chr04	NC_021163.1	36969774	TT	CC	CC	INTERGENIC		
SNP_20005B_36971526	Ca_Kabuli_Chr04	NC_021163.1	36971526	AA	GG	GG	INTERGENIC		
SNP_20006B_36972077	Ca_Kabuli_Chr04	NC_021163.1	36972077	AA	GG	GG	INTERGENIC		
SNP_20009B_36976279	Ca_Kabuli_Chr04	NC_021163.1	36976279	TT	GG	GG	INTRON	101497407	protein CHROMATIN REMODELING 19
SNP_20011B_36977961	Ca_Kabuli_Chr04	NC_021163.1	36977961	TT	GG	GG	INTRON	101497407	protein CHROMATIN REMODELING 19
SNP_20012B_36978092	Ca_Kabuli_Chr04	NC_021163.1	36978092	TT	GG	GG	INTRON	101497407	protein CHROMATIN REMODELING 19
SNP_20013B_36981273	Ca_Kabuli_Chr04	NC_021163.1	36981273	GG	AA	AA	INTRON	101497407	protein CHROMATIN REMODELING 19
SNP_20014B_37009219	Ca_Kabuli_Chr04	NC_021163.1	37009219	AA	GG	GG	INTERGENIC		
SNP_20015B_37013556	Ca_Kabuli_Chr04	NC_021163.1	37013556	CC	TT	TT	INTERGENIC		
SNP_20016B_37013684	Ca_Kabuli_Chr04	NC_021163.1	37013684	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_20017B_37013776	Ca_Kabuli_Chr04	NC_021163.1	37013776	AA	GG	GG	INTERGENIC		
SNP_20018B_37013797	Ca_Kabuli_Chr04	NC_021163.1	37013797	GG	AA	AA	INTERGENIC		
SNP_20019B_37013829	Ca_Kabuli_Chr04	NC_021163.1	37013829	TT	CC	CC	INTERGENIC		
SNP_20020B_37025750	Ca_Kabuli_Chr04	NC_021163.1	37025750	TT	AA	AA	INTERGENIC		
SNP_20021B_37027649	Ca_Kabuli_Chr04	NC_021163.1	37027649	AA	TT	TT	INTERGENIC		
SNP_20022B_37034332	Ca_Kabuli_Chr04	NC_021163.1	37034332	GG	AA	AA	INTERGENIC		
SNP_20023B_37034341	Ca_Kabuli_Chr04	NC_021163.1	37034341	GG	AA	AA	INTERGENIC		
SNP_20024B_37039140	Ca_Kabuli_Chr04	NC_021163.1	37039140	CC	TT	TT	DRR	101497743	peptidyl-prolyl cis-trans isomerase CYP21-4-like
SNP_20025B_37039143	Ca_Kabuli_Chr04	NC_021163.1	37039143	GG	AA	AA	DRR	101497743	peptidyl-prolyl cis-trans isomerase CYP21-4-like
SNP_20026B_37040396	Ca_Kabuli_Chr04	NC_021163.1	37040396	AA	GG	GG	INTRON	101497743	peptidyl-prolyl cis-trans isomerase CYP21-4-like
SNP_20028B_37042917	Ca_Kabuli_Chr04	NC_021163.1	37042917	GG	AA	AA	INTRON	101497743	peptidyl-prolyl cis-trans isomerase CYP21-4-like
SNP_20029B_37046460	Ca_Kabuli_Chr04	NC_021163.1	37046460	AA	CC	CC	INTERGENIC		
SNP_20030B_37046480	Ca_Kabuli_Chr04	NC_021163.1	37046480	TT	CC	CC	INTERGENIC		
SNP_20031B_37046494	Ca_Kabuli_Chr04	NC_021163.1	37046494	TT	CC	CC	INTERGENIC		
SNP_20032B_37046893	Ca_Kabuli_Chr04	NC_021163.1	37046893	AA	TT	TT	INTERGENIC		
SNP_20033B_37046902	Ca_Kabuli_Chr04	NC_021163.1	37046902	TT	CC	CC	INTERGENIC		
SNP_20034B_37046928	Ca_Kabuli_Chr04	NC_021163.1	37046928	GG	TT	TT	INTERGENIC		
SNP_20035B_37055197	Ca_Kabuli_Chr04	NC_021163.1	37055197	CC	GG	GG	INTERGENIC		
SNP_20036B_37083338	Ca_Kabuli_Chr04	NC_021163.1	37083338	AA	GG	GG	INTRON	101507403	B3 domain-containing transcription factor VRN1-like
SNP_20037B_37087109	Ca_Kabuli_Chr04	NC_021163.1	37087109	AA	GG	GG	URR	101507403	B3 domain-containing transcription factor VRN1-like
SNP_20038B_37087238	Ca_Kabuli_Chr04	NC_021163.1	37087238	CC	TT	TT	URR	101507403	B3 domain-containing transcription factor VRN1-like
SNP_20039B_37087556	Ca_Kabuli_Chr04	NC_021163.1	37087556	AA	GG	GG	URR	101507403	B3 domain-containing transcription factor VRN1-like
SNP_20040B_37089503	Ca_Kabuli_Chr04	NC_021163.1	37089503	AA	TT	TT	INTERGENIC		
SNP_20041B_37089555	Ca_Kabuli_Chr04	NC_021163.1	37089555	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_20042B_37100208	Ca_Kabuli_Chr04	NC_021163.1	37100208	GG	AA	AA	INTERGENIC		
SNP_20043B_37100245	Ca_Kabuli_Chr04	NC_021163.1	37100245	TT	AA	AA	INTERGENIC		
SNP_20044B_37101508	Ca_Kabuli_Chr04	NC_021163.1	37101508	GG	AA	AA	INTERGENIC		
SNP_20045B_37101531	Ca_Kabuli_Chr04	NC_021163.1	37101531	GG	AA	AA	INTERGENIC		
SNP_20046B_37101533	Ca_Kabuli_Chr04	NC_021163.1	37101533	CC	TT	TT	INTERGENIC		
SNP_20047B_37107209	Ca_Kabuli_Chr04	NC_021163.1	37107209	CC	AA	AA	INTERGENIC		
SNP_20049B_37107262	Ca_Kabuli_Chr04	NC_021163.1	37107262	AA	GG	GG	INTERGENIC		
SNP_20050B_37107266	Ca_Kabuli_Chr04	NC_021163.1	37107266	CC	AA	AA	INTERGENIC		
SNP_20051B_37107505	Ca_Kabuli_Chr04	NC_021163.1	37107505	TT	GG	GG	INTERGENIC		
SNP_20052B_37119583	Ca_Kabuli_Chr04	NC_021163.1	37119583	TT	AA	AA	NON_SYNONYMOUS_CODING	101507713	B3 domain-containing transcription factor VRN1-like
SNP_20053B_37119655	Ca_Kabuli_Chr04	NC_021163.1	37119655	AA	GG	GG	SYNONYMOUS_CODING	101507713	B3 domain-containing transcription factor VRN1-like
SNP_20054B_37119937	Ca_Kabuli_Chr04	NC_021163.1	37119937	AA	TT	TT	INTRON	101507713	B3 domain-containing transcription factor VRN1-like
SNP_20055B_37120017	Ca_Kabuli_Chr04	NC_021163.1	37120017	AA	CC	CC	INTRON	101507713	B3 domain-containing transcription factor VRN1-like
SNP_20056B_37121352	Ca_Kabuli_Chr04	NC_021163.1	37121352	AA	GG	GG	URR	101507713	B3 domain-containing transcription factor VRN1-like
SNP_20058B_37122691	Ca_Kabuli_Chr04	NC_021163.1	37122691	TT	AA	AA	URR	101507713	B3 domain-containing transcription factor VRN1-like
SNP_20059B_37128566	Ca_Kabuli_Chr04	NC_021163.1	37128566	GG	AA	AA	DRR	101508042	B3 domain-containing transcription factor VRN1-like
SNP_20060B_37128760	Ca_Kabuli_Chr04	NC_021163.1	37128760	GG	TT	TT	DRR	101508042	B3 domain-containing transcription factor VRN1-like
SNP_20062B_37131123	Ca_Kabuli_Chr04	NC_021163.1	37131123	GG	AA	AA	INTRON	101508042	B3 domain-containing transcription factor VRN1-like
SNP_20063B_37131157	Ca_Kabuli_Chr04	NC_021163.1	37131157	CC	TT	TT	INTRON	101508042	B3 domain-containing transcription factor VRN1-like
SNP_20064B_37131175	Ca_Kabuli_Chr04	NC_021163.1	37131175	AA	GG	GG	INTRON	101508042	B3 domain-containing transcription factor VRN1-like
SNP_20065B_37131179	Ca_Kabuli_Chr04	NC_021163.1	37131179	TT	AA	AA	INTRON	101508042	B3 domain-containing transcription factor VRN1-like
SNP_20066B_37131284	Ca_Kabuli_Chr04	NC_021163.1	37131284	CC	GG	GG	INTRON	101508042	B3 domain-containing transcription factor VRN1-like
SNP_20068B_37131343	Ca_Kabuli_Chr04	NC_021163.1	37131343	GG	AA	AA	INTRON	101508042	B3 domain-containing transcription factor VRN1-like
SNP_20069B_37151985	Ca_Kabuli_Chr04	NC_021163.1	37151985	GG	AA	AA	SYNONYMOUS_CODING	101508553	alpha,alpha-trehalose-phosphate synthase [UDP-forming] 6-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_20070B_37156946	Ca_Kabuli_Chr04	NC_021163.1	37156946	CC	AA	AA	INTERGENIC		
SNP_20071B_37159390	Ca_Kabuli_Chr04	NC_021163.1	37159390	CC	TT	TT	INTERGENIC		
SNP_20072B_37174254	Ca_Kabuli_Chr04	NC_021163.1	37174254	AA	GG	GG	DRR	101509613	transcription factor bHLH121-like
SNP_20073B_37185703	Ca_Kabuli_Chr04	NC_021163.1	37185703	AA	GG	GG	INTERGENIC		
SNP_20074B_37185725	Ca_Kabuli_Chr04	NC_021163.1	37185725	TT	CC	CC	INTERGENIC		
SNP_20075B_37195137	Ca_Kabuli_Chr04	NC_021163.1	37195137	CC	TT	TT	URR	101509943	CRAL-TRIO domain-containing protein YKL091C
SNP_20076B_37207660	Ca_Kabuli_Chr04	NC_021163.1	37207660	TT	GG	GG	INTERGENIC		
SNP_20077B_37207873	Ca_Kabuli_Chr04	NC_021163.1	37207873	AA	CC	CC	INTERGENIC		
SNP_20078B_37209039	Ca_Kabuli_Chr04	NC_021163.1	37209039	TT	AA	AA	INTERGENIC		
SNP_20079B_37216152	Ca_Kabuli_Chr04	NC_021163.1	37216152	TT	AA	AA	INTERGENIC		
SNP_20080B_37217832	Ca_Kabuli_Chr04	NC_021163.1	37217832	TT	CC	CC	INTERGENIC		
SNP_20081B_37217833	Ca_Kabuli_Chr04	NC_021163.1	37217833	GG	AA	AA	INTERGENIC		
SNP_20082B_37220672	Ca_Kabuli_Chr04	NC_021163.1	37220672	TT	AA	AA	INTERGENIC		
SNP_20084B_37232639	Ca_Kabuli_Chr04	NC_021163.1	37232639	AA	GG	GG	INTERGENIC		
SNP_20085B_37233130	Ca_Kabuli_Chr04	NC_021163.1	37233130	AA	GG	GG	INTERGENIC		
SNP_20086B_37233988	Ca_Kabuli_Chr04	NC_021163.1	37233988	CC	GG	GG	INTERGENIC		
SNP_20087B_37245293	Ca_Kabuli_Chr04	NC_021163.1	37245293	AA	GG	GG	URR	101510474	two-component response regulator ARR2
SNP_20088B_37247493	Ca_Kabuli_Chr04	NC_021163.1	37247493	TT	GG	GG	INTERGENIC		
SNP_20089B_37247533	Ca_Kabuli_Chr04	NC_021163.1	37247533	GG	AA	AA	INTERGENIC		
SNP_20091B_37257750	Ca_Kabuli_Chr04	NC_021163.1	37257750	GG	AA	AA	INTERGENIC		
SNP_20092B_37258515	Ca_Kabuli_Chr04	NC_021163.1	37258515	GG	TT	TT	URR	101511657	uncharacterized LOC101511657
SNP_20093B_37265638	Ca_Kabuli_Chr04	NC_021163.1	37265638	TT	CC	CC	INTRON	101511125	dynamin-related protein 1C-like
SNP_20094B_37270527	Ca_Kabuli_Chr04	NC_021163.1	37270527	CC	AA	AA	URR	101511125	dynamin-related protein 1C-like
SNP_20095B_37273260	Ca_Kabuli_Chr04	NC_021163.1	37273260	AA	TT	TT	INTRON	101511979	microtubule-associated protein 70-2-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_20096B_37273592	Ca_Kabuli_Chr04	NC_021163.1	37273592	TT	CC	CC	INTRON	101511979	microtubule-associated protein 70-2-like
SNP_20097B_37274931	Ca_Kabuli_Chr04	NC_021163.1	37274931	CC	TT	TT	SYNONYMOUS_CODING	101511979	microtubule-associated protein 70-2-like
SNP_20099B_37283568	Ca_Kabuli_Chr04	NC_021163.1	37283568	GG	AA	AA	DRR	101512307	cleavage and polyadenylation specificity factor subunit 3-II
SNP_20100B_37292735	Ca_Kabuli_Chr04	NC_021163.1	37292735	GG	AA	AA	INTRON	101512307	cleavage and polyadenylation specificity factor subunit 3-II
SNP_20101B_37295317	Ca_Kabuli_Chr04	NC_021163.1	37295317	GG	AA	AA	INTRON	101512307	cleavage and polyadenylation specificity factor subunit 3-II
SNP_20102B_37299288	Ca_Kabuli_Chr04	NC_021163.1	37299288	TT	GG	GG	INTERGENIC		
SNP_20103B_37303016	Ca_Kabuli_Chr04	NC_021163.1	37303016	GG	TT	TT	INTERGENIC		
SNP_20104B_37303017	Ca_Kabuli_Chr04	NC_021163.1	37303017	CC	TT	TT	INTERGENIC		
SNP_20106B_37305431	Ca_Kabuli_Chr04	NC_021163.1	37305431	TT	AA	AA	URR	101512637	40S ribosomal protein S2-4-like
SNP_20107B_37305476	Ca_Kabuli_Chr04	NC_021163.1	37305476	AA	CC	CC	URR	101512637	40S ribosomal protein S2-4-like
SNP_20108B_37305495	Ca_Kabuli_Chr04	NC_021163.1	37305495	GG	AA	AA	URR	101512637	40S ribosomal protein S2-4-like
SNP_20110B_37306642	Ca_Kabuli_Chr04	NC_021163.1	37306642	GG	CC	CC	INTERGENIC		
SNP_20111B_37306648	Ca_Kabuli_Chr04	NC_021163.1	37306648	GG	AA	AA	INTERGENIC		
SNP_20112B_37306650	Ca_Kabuli_Chr04	NC_021163.1	37306650	AA	GG	GG	INTERGENIC		
SNP_20113B_37306654	Ca_Kabuli_Chr04	NC_021163.1	37306654	CC	TT	TT	INTERGENIC		
SNP_20114B_37306672	Ca_Kabuli_Chr04	NC_021163.1	37306672	GG	AA	AA	INTERGENIC		
SNP_20115B_37306692	Ca_Kabuli_Chr04	NC_021163.1	37306692	TT	CC	CC	INTERGENIC		
SNP_20116B_37306694	Ca_Kabuli_Chr04	NC_021163.1	37306694	GG	AA	AA	INTERGENIC		
SNP_20117B_37306768	Ca_Kabuli_Chr04	NC_021163.1	37306768	TT	CC	CC	INTERGENIC		
SNP_20118B_37306782	Ca_Kabuli_Chr04	NC_021163.1	37306782	CC	TT	TT	INTERGENIC		
SNP_20119B_37308090	Ca_Kabuli_Chr04	NC_021163.1	37308090	GG	TT	TT	INTERGENIC		
SNP_20120B_37308122	Ca_Kabuli_Chr04	NC_021163.1	37308122	GG	AA	AA	INTERGENIC		
SNP_20121B_37308123	Ca_Kabuli_Chr04	NC_021163.1	37308123	CC	TT	TT	INTERGENIC		
SNP_20122B_37312730	Ca_Kabuli_Chr04	NC_021163.1	37312730	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_20123B_37313067	Ca_Kabuli_Chr04	NC_021163.1	37313067	TT	CC	CC	INTERGENIC		
SNP_20124B_37318546	Ca_Kabuli_Chr04	NC_021163.1	37318546	CC	AA	AA	URR	101505220	E3 ubiquitin protein ligase RIE1-like
SNP_20125B_37331850	Ca_Kabuli_Chr04	NC_021163.1	37331850	TT	CC	CC	URR	101512947	E3 ubiquitin protein ligase RIE1
SNP_20127B_37331905	Ca_Kabuli_Chr04	NC_021163.1	37331905	AA	GG	GG	URR	101512947	E3 ubiquitin protein ligase RIE1
SNP_20128B_37332207	Ca_Kabuli_Chr04	NC_021163.1	37332207	AA	GG	GG	URR	101512947	E3 ubiquitin protein ligase RIE1
SNP_20129B_37332240	Ca_Kabuli_Chr04	NC_021163.1	37332240	AA	TT	TT	URR	101512947	E3 ubiquitin protein ligase RIE1
SNP_20130B_37332246	Ca_Kabuli_Chr04	NC_021163.1	37332246	TT	CC	CC	URR	101512947	E3 ubiquitin protein ligase RIE1
SNP_20131B_37332279	Ca_Kabuli_Chr04	NC_021163.1	37332279	TT	CC	CC	URR	101512947	E3 ubiquitin protein ligase RIE1
SNP_20132B_37332373	Ca_Kabuli_Chr04	NC_021163.1	37332373	TT	GG	GG	URR	101512947	E3 ubiquitin protein ligase RIE1
SNP_20133B_37332378	Ca_Kabuli_Chr04	NC_021163.1	37332378	CC	GG	GG	URR	101512947	E3 ubiquitin protein ligase RIE1
SNP_20134B_37332397	Ca_Kabuli_Chr04	NC_021163.1	37332397	AA	CC	CC	URR	101512947	E3 ubiquitin protein ligase RIE1
SNP_20135B_37332443	Ca_Kabuli_Chr04	NC_021163.1	37332443	AA	GG	GG	URR	101512947	E3 ubiquitin protein ligase RIE1
SNP_20136B_37332448	Ca_Kabuli_Chr04	NC_021163.1	37332448	CC	AA	AA	URR	101512947	E3 ubiquitin protein ligase RIE1
SNP_20137B_37332456	Ca_Kabuli_Chr04	NC_021163.1	37332456	GG	TT	TT	URR	101512947	E3 ubiquitin protein ligase RIE1
SNP_20138B_37332495	Ca_Kabuli_Chr04	NC_021163.1	37332495	TT	AA	AA	URR	101512947	E3 ubiquitin protein ligase RIE1
SNP_20139B_37341713	Ca_Kabuli_Chr04	NC_021163.1	37341713	AA	CC	CC	INTRON	101513273	probable UDP-3-O-[3-hydroxymyristoyl] N-acetylglucosamine deacetylase 2
SNP_20140B_37342085	Ca_Kabuli_Chr04	NC_021163.1	37342085	CC	AA	AA	INTRON	101513273	probable UDP-3-O-[3-hydroxymyristoyl] N-acetylglucosamine deacetylase 2
SNP_20141B_37342502	Ca_Kabuli_Chr04	NC_021163.1	37342502	TT	CC	CC	INTRON	101513273	probable UDP-3-O-[3-hydroxymyristoyl] N-acetylglucosamine deacetylase 2
SNP_20142B_37342872	Ca_Kabuli_Chr04	NC_021163.1	37342872	TT	AA	AA	URR	101513273	probable UDP-3-O-[3-hydroxymyristoyl] N-acetylglucosamine deacetylase 2
SNP_20143B_37343193	Ca_Kabuli_Chr04	NC_021163.1	37343193	GG	AA	AA	URR	101513273	probable UDP-3-O-[3-hydroxymyristoyl] N-acetylglucosamine deacetylase 2
SNP_20144B_37343340	Ca_Kabuli_Chr04	NC_021163.1	37343340	TT	CC	CC	URR	101513273	probable UDP-3-O-[3-hydroxymyristoyl] N-acetylglucosamine deacetylase 2
SNP_20145B_37343452	Ca_Kabuli_Chr04	NC_021163.1	37343452	GG	AA	AA	URR	101513273	probable UDP-3-O-[3-hydroxymyristoyl] N-acetylglucosamine deacetylase 2
SNP_20147B_37347787	Ca_Kabuli_Chr04	NC_021163.1	37347787	CC	AA	AA	NON_SYNONYMOUS_CODING	101513602	tRNA:m(4)X modification enzyme TRM13 homolog
SNP_20148B_37347792	Ca_Kabuli_Chr04	NC_021163.1	37347792	CC	AA	AA	SYNONYMOUS_CODING	101513602	tRNA:m(4)X modification enzyme TRM13 homolog

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_20149B_37348012	Ca_Kabuli_Chr04	NC_021163.1	37348012	CC	GG	GG	INTRON	101513602	tRNA:m(4)X modification enzyme TRM13 homolog
SNP_20150B_37350507	Ca_Kabuli_Chr04	NC_021163.1	37350507	TT	CC	CC	INTERGENIC		
SNP_20151B_37362040	Ca_Kabuli_Chr04	NC_021163.1	37362040	TT	AA	AA	INTRON	101514138	protein VAC14 homolog
SNP_20153B_37362257	Ca_Kabuli_Chr04	NC_021163.1	37362257	CC	TT	TT	INTERGENIC		
SNP_20154B_37366279	Ca_Kabuli_Chr04	NC_021163.1	37366279	AA	CC	CC	DRR	101514465	ankyrin repeat-containing protein At2g01680-like
SNP_20155B_37366687	Ca_Kabuli_Chr04	NC_021163.1	37366687	CC	GG	GG	DRR	101514465	ankyrin repeat-containing protein At2g01680-like
SNP_20156B_37366690	Ca_Kabuli_Chr04	NC_021163.1	37366690	AA	TT	TT	DRR	101514465	ankyrin repeat-containing protein At2g01680-like
SNP_20158B_37370892	Ca_Kabuli_Chr04	NC_021163.1	37370892	TT	CC	CC	INTERGENIC		
SNP_20159B_37374860	Ca_Kabuli_Chr04	NC_021163.1	37374860	GG	AA	AA	INTERGENIC		
SNP_20160B_37374861	Ca_Kabuli_Chr04	NC_021163.1	37374861	GG	AA	AA	INTERGENIC		
SNP_20161B_37374867	Ca_Kabuli_Chr04	NC_021163.1	37374867	TT	CC	CC	INTERGENIC		
SNP_20162B_37375955	Ca_Kabuli_Chr04	NC_021163.1	37375955	CC	TT	TT	INTERGENIC		
SNP_20163B_37390255	Ca_Kabuli_Chr04	NC_021163.1	37390255	GG	AA	AA	DRR	101505877	Unknown function
SNP_20164B_37390614	Ca_Kabuli_Chr04	NC_021163.1	37390614	CC	GG	GG	INTERGENIC		
SNP_20165B_37390652	Ca_Kabuli_Chr04	NC_021163.1	37390652	AA	GG	GG	INTERGENIC		
SNP_20166B_37390684	Ca_Kabuli_Chr04	NC_021163.1	37390684	CC	TT	TT	INTERGENIC		
SNP_20167B_37403584	Ca_Kabuli_Chr04	NC_021163.1	37403584	GG	AA	AA	INTERGENIC		
SNP_20169B_37410764	Ca_Kabuli_Chr04	NC_021163.1	37410764	TT	AA	AA	INTERGENIC		
SNP_20170B_37435114	Ca_Kabuli_Chr04	NC_021163.1	37435114	TT	AA	AA	INTERGENIC		
SNP_20171B_37435133	Ca_Kabuli_Chr04	NC_021163.1	37435133	TT	CC	CC	INTERGENIC		
SNP_20172B_37435170	Ca_Kabuli_Chr04	NC_021163.1	37435170	TT	CC	CC	INTERGENIC		
SNP_20173B_37442816	Ca_Kabuli_Chr04	NC_021163.1	37442816	AA	GG	GG	INTERGENIC		
SNP_20175B_37452598	Ca_Kabuli_Chr04	NC_021163.1	37452598	AA	GG	GG	DRR	101489193	zinc finger HIT domain-containing protein 2
SNP_20176B_37452606	Ca_Kabuli_Chr04	NC_021163.1	37452606	TT	CC	CC	DRR	101489193	zinc finger HIT domain-containing protein 2

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_20177B_37452613	Ca_Kabuli_Chr04	NC_021163.1	37452613	TT	AA	AA	DRR	101489193	zinc finger HIT domain-containing protein 2
SNP_20178B_37452618	Ca_Kabuli_Chr04	NC_021163.1	37452618	GG	CC	CC	DRR	101489193	zinc finger HIT domain-containing protein 2
SNP_20179B_37468494	Ca_Kabuli_Chr04	NC_021163.1	37468494	AA	GG	GG	INTERGENIC		
SNP_20181B_37483232	Ca_Kabuli_Chr04	NC_021163.1	37483232	TT	CC	CC	DRR	101489951	probable peroxygenase 4
SNP_20182B_37483897	Ca_Kabuli_Chr04	NC_021163.1	37483897	CC	AA	AA	INTRON	101489951	probable peroxygenase 4
SNP_20183B_37491334	Ca_Kabuli_Chr04	NC_021163.1	37491334	CC	TT	TT	INTRON	101489951	probable peroxygenase 4
SNP_20184B_37491339	Ca_Kabuli_Chr04	NC_021163.1	37491339	AA	GG	GG	INTRON	101489951	probable peroxygenase 4
SNP_20185B_37492750	Ca_Kabuli_Chr04	NC_021163.1	37492750	AA	CC	CC	URR	101489951	probable peroxygenase 4
SNP_20186B_37492787	Ca_Kabuli_Chr04	NC_021163.1	37492787	AA	CC	CC	URR	101489951	probable peroxygenase 4
SNP_20187B_37495203	Ca_Kabuli_Chr04	NC_021163.1	37495203	CC	AA	AA	INTERGENIC		
SNP_20188B_37499729	Ca_Kabuli_Chr04	NC_021163.1	37499729	GG	AA	AA	INTRON	101490284	probable peroxygenase 5
SNP_20189B_37500193	Ca_Kabuli_Chr04	NC_021163.1	37500193	TT	AA	AA	INTRON	101490284	probable peroxygenase 5
SNP_20190B_37502882	Ca_Kabuli_Chr04	NC_021163.1	37502882	GG	AA	AA	URR	101490284	probable peroxygenase 5
SNP_20191B_37504915	Ca_Kabuli_Chr04	NC_021163.1	37504915	TT	AA	AA	INTERGENIC		
SNP_20192B_37504929	Ca_Kabuli_Chr04	NC_021163.1	37504929	AA	GG	GG	INTERGENIC		
SNP_20193B_37508189	Ca_Kabuli_Chr04	NC_021163.1	37508189	AA	TT	TT	INTERGENIC		
SNP_20194B_37519893	Ca_Kabuli_Chr04	NC_021163.1	37519893	AA	GG	GG	INTERGENIC		
SNP_20195B_37541095	Ca_Kabuli_Chr04	NC_021163.1	37541095	CC	TT	TT	DRR	101490924	lysine-rich arabinogalactan protein 19
SNP_20196B_37548350	Ca_Kabuli_Chr04	NC_021163.1	37548350	CC	TT	TT	INTERGENIC		
SNP_20197B_37555886	Ca_Kabuli_Chr04	NC_021163.1	37555886	TT	CC	CC	INTRON	101491240	mediator of RNA polymerase II transcription subunit 23
SNP_20198B_37564104	Ca_Kabuli_Chr04	NC_021163.1	37564104	AA	TT	TT	INTRON	101491240	mediator of RNA polymerase II transcription subunit 23
SNP_20199B_37565765	Ca_Kabuli_Chr04	NC_021163.1	37565765	CC	TT	TT	INTRON	101491240	mediator of RNA polymerase II transcription subunit 23
SNP_20200B_37568948	Ca_Kabuli_Chr04	NC_021163.1	37568948	CC	TT	TT	INTRON	101491240	mediator of RNA polymerase II transcription subunit 23
SNP_20201B_37570104	Ca_Kabuli_Chr04	NC_021163.1	37570104	GG	TT	TT	INTRON	101491240	mediator of RNA polymerase II transcription subunit 23

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_20202B_37605674	Ca_Kabuli_Chr04	NC_021163.1	37605674	CC	TT	TT	INTERGENIC		
SNP_20204B_37612889	Ca_Kabuli_Chr04	NC_021163.1	37612889	AA	GG	GG	DRR	101491876	dynein light chain 2, cytoplasmic
SNP_20205B_37612903	Ca_Kabuli_Chr04	NC_021163.1	37612903	AA	GG	GG	DRR	101491876	dynein light chain 2, cytoplasmic
SNP_20206B_37613088	Ca_Kabuli_Chr04	NC_021163.1	37613088	AA	GG	GG	DRR	101491876	dynein light chain 2, cytoplasmic
SNP_20207B_37618015	Ca_Kabuli_Chr04	NC_021163.1	37618015	CC	GG	GG	URR	101491876	dynein light chain 2, cytoplasmic
SNP_20208B_37618022	Ca_Kabuli_Chr04	NC_021163.1	37618022	GG	AA	AA	URR	101491876	dynein light chain 2, cytoplasmic
SNP_20209B_37630840	Ca_Kabuli_Chr04	NC_021163.1	37630840	AA	TT	TT	INTERGENIC		
SNP_20210B_37634286	Ca_Kabuli_Chr04	NC_021163.1	37634286	TT	CC	CC	INTRON	101492547	exosome complex component RRP42-like
SNP_20211B_37634347	Ca_Kabuli_Chr04	NC_021163.1	37634347	TT	CC	CC	INTRON	101492547	exosome complex component RRP42-like
SNP_20212B_37645153	Ca_Kabuli_Chr04	NC_021163.1	37645153	TT	AA	AA	INTERGENIC		
SNP_20214B_37652616	Ca_Kabuli_Chr04	NC_021163.1	37652616	TT	CC	CC	URR	101493205	uncharacterized LOC101493205
SNP_20216B_37681893	Ca_Kabuli_Chr04	NC_021163.1	37681893	CC	GG	GG	INTERGENIC		
SNP_20217B_37682371	Ca_Kabuli_Chr04	NC_021163.1	37682371	CC	TT	TT	DRR	101494066	uncharacterized LOC101494066
SNP_20218B_37682376	Ca_Kabuli_Chr04	NC_021163.1	37682376	TT	CC	CC	DRR	101494066	uncharacterized LOC101494066
SNP_20219B_37683602	Ca_Kabuli_Chr04	NC_021163.1	37683602	TT	AA	AA	INTRON	101494066	uncharacterized LOC101494066
SNP_20220B_37684755	Ca_Kabuli_Chr04	NC_021163.1	37684755	CC	TT	TT	INTRON	101494066	uncharacterized LOC101494066
SNP_20221B_37688361	Ca_Kabuli_Chr04	NC_021163.1	37688361	GG	TT	TT	INTERGENIC		
SNP_20223B_37693463	Ca_Kabuli_Chr04	NC_021163.1	37693463	TT	GG	GG	INTERGENIC		
SNP_20224B_37694694	Ca_Kabuli_Chr04	NC_021163.1	37694694	CC	TT	TT	URR	101495006	uncharacterized LOC101495006
SNP_20226B_37699782	Ca_Kabuli_Chr04	NC_021163.1	37699782	GG	AA	AA	INTRON	101495336	phosphoribosylamine--glycine ligase-like
SNP_20227B_37699981	Ca_Kabuli_Chr04	NC_021163.1	37699981	GG	TT	TT	INTRON	101495336	phosphoribosylamine--glycine ligase-like
SNP_20228B_37700066	Ca_Kabuli_Chr04	NC_021163.1	37700066	AA	GG	GG	INTRON	101495336	phosphoribosylamine--glycine ligase-like
SNP_20229B_37700345	Ca_Kabuli_Chr04	NC_021163.1	37700345	AA	GG	GG	SYNONYMOUS_CODING	101495336	phosphoribosylamine--glycine ligase-like
SNP_20231B_37703751	Ca_Kabuli_Chr04	NC_021163.1	37703751	TT	CC	CC	DRR	101496649	cytochrome c oxidase subunit 2

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_20232B_37703863	Ca_Kabuli_Chr04	NC_021163.1	37703863	AA	TT	TT	DRR	101496649	cytochrome c oxidase subunit 2
SNP_20233B_37703941	Ca_Kabuli_Chr04	NC_021163.1	37703941	AA	GG	GG	DRR	101496649	cytochrome c oxidase subunit 2
SNP_20237B_37704272	Ca_Kabuli_Chr04	NC_021163.1	37704272	TT	GG	GG	INTERGENIC		
SNP_20238B_37704345	Ca_Kabuli_Chr04	NC_021163.1	37704345	AA	GG	GG	INTERGENIC		
SNP_20239B_37704705	Ca_Kabuli_Chr04	NC_021163.1	37704705	TT	GG	GG	INTERGENIC		
SNP_20240B_37704755	Ca_Kabuli_Chr04	NC_021163.1	37704755	AA	CC	CC	INTERGENIC		
SNP_20241B_37704782	Ca_Kabuli_Chr04	NC_021163.1	37704782	CC	AA	AA	INTERGENIC		
SNP_20242B_37705061	Ca_Kabuli_Chr04	NC_021163.1	37705061	TT	AA	AA	INTERGENIC		
SNP_20243B_37705224	Ca_Kabuli_Chr04	NC_021163.1	37705224	GG	TT	TT	INTERGENIC		
SNP_20244B_37705317	Ca_Kabuli_Chr04	NC_021163.1	37705317	AA	GG	GG	INTERGENIC		
SNP_20245B_37705335	Ca_Kabuli_Chr04	NC_021163.1	37705335	TT	CC	CC	INTERGENIC		
SNP_20246B_37705349	Ca_Kabuli_Chr04	NC_021163.1	37705349	CC	TT	TT	INTERGENIC		
SNP_20247B_37705350	Ca_Kabuli_Chr04	NC_021163.1	37705350	GG	AA	AA	INTERGENIC		
SNP_20249B_37706061	Ca_Kabuli_Chr04	NC_021163.1	37706061	AA	GG	GG	INTRON	101495880	DNA-directed RNA polymerase III subunit RPC7
SNP_20252B_37707088	Ca_Kabuli_Chr04	NC_021163.1	37707088	CC	TT	TT	URR	101496649	cytochrome c oxidase subunit 2
SNP_20253B_37707106	Ca_Kabuli_Chr04	NC_021163.1	37707106	GG	CC	CC	URR	101496649	cytochrome c oxidase subunit 2
SNP_20254B_37707192	Ca_Kabuli_Chr04	NC_021163.1	37707192	AA	TT	TT	URR	101496649	cytochrome c oxidase subunit 2
SNP_20255B_37707198	Ca_Kabuli_Chr04	NC_021163.1	37707198	TT	GG	GG	URR	101496649	cytochrome c oxidase subunit 2
SNP_20256B_37707346	Ca_Kabuli_Chr04	NC_021163.1	37707346	CC	GG	GG	URR	101496649	cytochrome c oxidase subunit 2
SNP_20258B_37708911	Ca_Kabuli_Chr04	NC_021163.1	37708911	GG	CC	CC	URR	101496649	cytochrome c oxidase subunit 2
SNP_20259B_37708964	Ca_Kabuli_Chr04	NC_021163.1	37708964	GG	TT	TT	URR	101496649	cytochrome c oxidase subunit 2
SNP_20260B_37708976	Ca_Kabuli_Chr04	NC_021163.1	37708976	TT	CC	CC	URR	101496649	cytochrome c oxidase subunit 2
SNP_20261B_37709043	Ca_Kabuli_Chr04	NC_021163.1	37709043	GG	TT	TT	INTERGENIC		
SNP_20262B_37709251	Ca_Kabuli_Chr04	NC_021163.1	37709251	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_20263B_37709255	Ca_Kabuli_Chr04	NC_021163.1	37709255	AA	CC	CC	INTERGENIC		
SNP_20264B_37709257	Ca_Kabuli_Chr04	NC_021163.1	37709257	AA	GG	GG	INTERGENIC		
SNP_20265B_37715050	Ca_Kabuli_Chr04	NC_021163.1	37715050	CC	TT	TT	INTRON	101495880	DNA-directed RNA polymerase III subunit RPC7
SNP_20266B_37728622	Ca_Kabuli_Chr04	NC_021163.1	37728622	TT	AA	AA	URR	101497295	uncharacterized protein At4g22758
SNP_20267B_37728632	Ca_Kabuli_Chr04	NC_021163.1	37728632	TT	CC	CC	URR	101497295	uncharacterized protein At4g22758
SNP_20268B_37731102	Ca_Kabuli_Chr04	NC_021163.1	37731102	CC	TT	TT	INTERGENIC		
SNP_20269B_37737804	Ca_Kabuli_Chr04	NC_021163.1	37737804	AA	GG	GG	INTERGENIC		
SNP_20270B_37737859	Ca_Kabuli_Chr04	NC_021163.1	37737859	AA	TT	TT	INTERGENIC		
SNP_20271B_37743285	Ca_Kabuli_Chr04	NC_021163.1	37743285	TT	AA	AA	DRR	101497947	MLP-like protein 328
SNP_20272B_37743300	Ca_Kabuli_Chr04	NC_021163.1	37743300	CC	GG	GG	DRR	101497947	MLP-like protein 328
SNP_20273B_37743943	Ca_Kabuli_Chr04	NC_021163.1	37743943	GG	CC	CC	INTERGENIC		
SNP_20274B_37746074	Ca_Kabuli_Chr04	NC_021163.1	37746074	TT	CC	CC	INTERGENIC		
SNP_20276B_37746458	Ca_Kabuli_Chr04	NC_021163.1	37746458	TT	CC	CC	URR	101497947	MLP-like protein 328
SNP_20277B_37748375	Ca_Kabuli_Chr04	NC_021163.1	37748375	GG	AA	AA	INTERGENIC		
SNP_20278B_37748377	Ca_Kabuli_Chr04	NC_021163.1	37748377	CC	TT	TT	INTERGENIC		
SNP_20279B_37751406	Ca_Kabuli_Chr04	NC_021163.1	37751406	GG	AA	AA	DRR	101498273	uncharacterized LOC101498273
SNP_20280B_37762279	Ca_Kabuli_Chr04	NC_021163.1	37762279	TT	CC	CC	INTERGENIC		
SNP_20281B_37783916	Ca_Kabuli_Chr04	NC_021163.1	37783916	GG	AA	AA	URR	101498849	glycerophosphodiester phosphodiesterase protein kinase domain-containing GDPDL2-like
SNP_20282B_37785626	Ca_Kabuli_Chr04	NC_021163.1	37785626	AA	GG	GG	INTERGENIC		
SNP_20283B_37788485	Ca_Kabuli_Chr04	NC_021163.1	37788485	TT	CC	CC	SYNONYMOUS_CODING	101499887	probable receptor-like protein kinase At5g39030
SNP_20284B_37790288	Ca_Kabuli_Chr04	NC_021163.1	37790288	CC	TT	TT	INTRON	101499887	probable receptor-like protein kinase At5g39030
SNP_20285B_37790589	Ca_Kabuli_Chr04	NC_021163.1	37790589	CC	TT	TT	SYNONYMOUS_CODING	101499887	probable receptor-like protein kinase At5g39030
SNP_20286B_37800495	Ca_Kabuli_Chr04	NC_021163.1	37800495	GG	TT	TT	INTERGENIC		
SNP_20287B_37802721	Ca_Kabuli_Chr04	NC_021163.1	37802721	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_20288B_37802723	Ca_Kabuli_Chr04	NC_021163.1	37802723	TT	CC	CC	INTERGENIC		
SNP_20289B_37805568	Ca_Kabuli_Chr04	NC_021163.1	37805568	GG	AA	AA	INTRON	101500961	nudix hydrolase 25
SNP_20290B_37806745	Ca_Kabuli_Chr04	NC_021163.1	37806745	AA	TT	TT	INTERGENIC		
SNP_20291B_37827664	Ca_Kabuli_Chr04	NC_021163.1	37827664	AA	TT	TT	INTRON	101501281	uncharacterized LOC101501281
SNP_20292B_37838782	Ca_Kabuli_Chr04	NC_021163.1	37838782	CC	TT	TT	INTERGENIC		
SNP_20293B_37838804	Ca_Kabuli_Chr04	NC_021163.1	37838804	GG	AA	AA	INTERGENIC		
SNP_20294B_37842425	Ca_Kabuli_Chr04	NC_021163.1	37842425	CC	TT	TT	INTERGENIC		
SNP_20295B_37846197	Ca_Kabuli_Chr04	NC_021163.1	37846197	AA	GG	GG	INTERGENIC		
SNP_20296B_37846227	Ca_Kabuli_Chr04	NC_021163.1	37846227	AA	CC	CC	INTERGENIC		
SNP_20297B_37846941	Ca_Kabuli_Chr04	NC_021163.1	37846941	GG	TT	TT	INTERGENIC		
SNP_20298B_37850408	Ca_Kabuli_Chr04	NC_021163.1	37850408	GG	AA	AA	INTERGENIC		
SNP_20299B_37850521	Ca_Kabuli_Chr04	NC_021163.1	37850521	TT	CC	CC	INTERGENIC		
SNP_20300B_37850919	Ca_Kabuli_Chr04	NC_021163.1	37850919	AA	GG	GG	INTERGENIC		
SNP_20303B_37871915	Ca_Kabuli_Chr04	NC_021163.1	37871915	CC	TT	TT	INTERGENIC		
SNP_20304B_37872448	Ca_Kabuli_Chr04	NC_021163.1	37872448	TT	GG	GG	INTERGENIC		
SNP_20305B_37876083	Ca_Kabuli_Chr04	NC_021163.1	37876083	TT	AA	AA	INTERGENIC		
SNP_20306B_37879621	Ca_Kabuli_Chr04	NC_021163.1	37879621	TT	GG	GG	INTERGENIC		
SNP_20307B_37881461	Ca_Kabuli_Chr04	NC_021163.1	37881461	GG	CC	CC	INTERGENIC		
SNP_20309B_37909209	Ca_Kabuli_Chr04	NC_021163.1	37909209	CC	AA	AA	INTERGENIC		
SNP_20310B_37909210	Ca_Kabuli_Chr04	NC_021163.1	37909210	AA	CC	CC	INTERGENIC		
SNP_20311B_37911558	Ca_Kabuli_Chr04	NC_021163.1	37911558	CC	TT	TT	INTERGENIC		
SNP_20312B_37911566	Ca_Kabuli_Chr04	NC_021163.1	37911566	CC	TT	TT	INTERGENIC		
SNP_20313B_37911568	Ca_Kabuli_Chr04	NC_021163.1	37911568	AA	GG	GG	INTERGENIC		
SNP_20314B_37917057	Ca_Kabuli_Chr04	NC_021163.1	37917057	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_20315B_37920004	Ca_Kabuli_Chr04	NC_021163.1	37920004	CC	AA	AA	INTERGENIC		
SNP_20316B_37933662	Ca_Kabuli_Chr04	NC_021163.1	37933662	CC	TT	TT	DRR	101504266	MLP-like protein 43
SNP_20317B_37938078	Ca_Kabuli_Chr04	NC_021163.1	37938078	CC	GG	GG	URR	101504266	MLP-like protein 43
SNP_20318B_37938081	Ca_Kabuli_Chr04	NC_021163.1	37938081	AA	TT	TT	URR	101504266	MLP-like protein 43
SNP_20319B_37938095	Ca_Kabuli_Chr04	NC_021163.1	37938095	AA	GG	GG	URR	101504266	MLP-like protein 43
SNP_20320B_37953837	Ca_Kabuli_Chr04	NC_021163.1	37953837	CC	TT	TT	INTERGENIC		
SNP_20321B_37953839	Ca_Kabuli_Chr04	NC_021163.1	37953839	AA	GG	GG	INTERGENIC		
SNP_20322B_37974422	Ca_Kabuli_Chr04	NC_021163.1	37974422	TT	CC	CC	INTERGENIC		
SNP_20323B_37976598	Ca_Kabuli_Chr04	NC_021163.1	37976598	GG	AA	AA	INTERGENIC		
SNP_20325B_37977780	Ca_Kabuli_Chr04	NC_021163.1	37977780	TT	AA	AA	DRR	101508135	uncharacterized LOC101508135
SNP_20326B_37980547	Ca_Kabuli_Chr04	NC_021163.1	37980547	CC	GG	GG	URR	101508135	uncharacterized LOC101508135
SNP_20327B_37989239	Ca_Kabuli_Chr04	NC_021163.1	37989239	CC	AA	AA	INTERGENIC		
SNP_20328B_37990022	Ca_Kabuli_Chr04	NC_021163.1	37990022	AA	GG	GG	INTERGENIC		
SNP_20329B_37991071	Ca_Kabuli_Chr04	NC_021163.1	37991071	CC	TT	TT	INTERGENIC		
SNP_20330B_37991079	Ca_Kabuli_Chr04	NC_021163.1	37991079	GG	AA	AA	INTERGENIC		
SNP_20331B_37994498	Ca_Kabuli_Chr04	NC_021163.1	37994498	GG	AA	AA	INTERGENIC		
SNP_20332B_37994503	Ca_Kabuli_Chr04	NC_021163.1	37994503	TT	CC	CC	INTERGENIC		
SNP_20333B_38005486	Ca_Kabuli_Chr04	NC_021163.1	38005486	CC	GG	GG	INTRON	101508454	nicotinate-nucleotide pyrophosphorylase [carboxylating], chloroplastic
SNP_20334B_38010070	Ca_Kabuli_Chr04	NC_021163.1	38010070	CC	TT	TT	URR	101508454	nicotinate-nucleotide pyrophosphorylase [carboxylating], chloroplastic
SNP_20335B_38017491	Ca_Kabuli_Chr04	NC_021163.1	38017491	AA	TT	TT	INTERGENIC		
SNP_20337B_38021870	Ca_Kabuli_Chr04	NC_021163.1	38021870	AA	GG	GG	URR	101512309	cationic amino acid transporter 1-like
SNP_20338B_38021904	Ca_Kabuli_Chr04	NC_021163.1	38021904	CC	TT	TT	URR	101512309	cationic amino acid transporter 1-like
SNP_20339B_38021916	Ca_Kabuli_Chr04	NC_021163.1	38021916	AA	TT	TT	URR	101512309	cationic amino acid transporter 1-like
SNP_20340B_38024403	Ca_Kabuli_Chr04	NC_021163.1	38024403	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_20341B_38026850	Ca_Kabuli_Chr04	NC_021163.1	38026850	AA	GG	GG	DRR	101509300	T-complex protein 1 subunit theta-like
SNP_20342B_38027055	Ca_Kabuli_Chr04	NC_021163.1	38027055	GG	AA	AA	INTERGENIC		
SNP_20343B_38033985	Ca_Kabuli_Chr04	NC_021163.1	38033985	TT	AA	AA	URR	101509300	T-complex protein 1 subunit theta-like
SNP_20344B_38034061	Ca_Kabuli_Chr04	NC_021163.1	38034061	GG	AA	AA	URR	101509300	T-complex protein 1 subunit theta-like
SNP_20345B_38034325	Ca_Kabuli_Chr04	NC_021163.1	38034325	AA	CC	CC	URR	101509300	T-complex protein 1 subunit theta-like
SNP_20346B_38049466	Ca_Kabuli_Chr04	NC_021163.1	38049466	AA	TT	TT	INTERGENIC		
SNP_20347B_38063958	Ca_Kabuli_Chr04	NC_021163.1	38063958	TT	CC	CC	INTERGENIC		
SNP_20348B_38085197	Ca_Kabuli_Chr04	NC_021163.1	38085197	TT	AA	AA	INTERGENIC		
SNP_20350B_38085872	Ca_Kabuli_Chr04	NC_021163.1	38085872	GG	AA	AA	INTERGENIC		
SNP_20351B_38092063	Ca_Kabuli_Chr04	NC_021163.1	38092063	GG	AA	AA	INTERGENIC		
SNP_20352B_38099108	Ca_Kabuli_Chr04	NC_021163.1	38099108	CC	TT	TT	DRR	101512949	WAT1-related protein At4g08290-like
SNP_20353B_38099114	Ca_Kabuli_Chr04	NC_021163.1	38099114	AA	GG	GG	DRR	101512949	WAT1-related protein At4g08290-like
SNP_20354B_38099369	Ca_Kabuli_Chr04	NC_021163.1	38099369	AA	GG	GG	DRR	101512949	WAT1-related protein At4g08290-like
SNP_20355B_38108853	Ca_Kabuli_Chr04	NC_021163.1	38108853	GG	TT	TT	INTERGENIC		
SNP_20356B_38108877	Ca_Kabuli_Chr04	NC_021163.1	38108877	GG	CC	CC	INTERGENIC		
SNP_20357B_38110072	Ca_Kabuli_Chr04	NC_021163.1	38110072	TT	CC	CC	INTERGENIC		
SNP_20358B_38113328	Ca_Kabuli_Chr04	NC_021163.1	38113328	GG	AA	AA	INTERGENIC		
SNP_20359B_38113369	Ca_Kabuli_Chr04	NC_021163.1	38113369	TT	CC	CC	INTERGENIC		
SNP_20360B_38114734	Ca_Kabuli_Chr04	NC_021163.1	38114734	TT	CC	CC	INTERGENIC		
SNP_20361B_38121305	Ca_Kabuli_Chr04	NC_021163.1	38121305	TT	CC	CC	INTERGENIC		
SNP_20362B_38129566	Ca_Kabuli_Chr04	NC_021163.1	38129566	CC	AA	AA	DRR	101510267	WAT1-related protein At1g44800
SNP_20363B_38129642	Ca_Kabuli_Chr04	NC_021163.1	38129642	TT	AA	AA	DRR	101510267	WAT1-related protein At1g44800
SNP_20364B_38133887	Ca_Kabuli_Chr04	NC_021163.1	38133887	TT	CC	CC	INTRON	101510267	WAT1-related protein At1g44800
SNP_20365B_38150155	Ca_Kabuli_Chr04	NC_021163.1	38150155	CC	TT	TT	INTRON	101510803	bifunctional protein FolD 1, mitochondrial-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_20366B_38160299	Ca_Kabuli_Chr04	NC_021163.1	38160299	TT	GG	GG	URR	101511126	putative glutathione-specific gamma-glutamylcyclotransferase 2
SNP_20367B_38160326	Ca_Kabuli_Chr04	NC_021163.1	38160326	AA	GG	GG	URR	101511126	putative glutathione-specific gamma-glutamylcyclotransferase 2
SNP_20368B_38160337	Ca_Kabuli_Chr04	NC_021163.1	38160337	TT	CC	CC	URR	101511126	putative glutathione-specific gamma-glutamylcyclotransferase 2
SNP_20369B_38160522	Ca_Kabuli_Chr04	NC_021163.1	38160522	GG	AA	AA	URR	101511126	putative glutathione-specific gamma-glutamylcyclotransferase 2
SNP_20370B_38164761	Ca_Kabuli_Chr04	NC_021163.1	38164761	CC	TT	TT	URR	101514269	Unknown function
SNP_20371B_38165907	Ca_Kabuli_Chr04	NC_021163.1	38165907	AA	GG	GG	INTERGENIC		
SNP_20372B_38167132	Ca_Kabuli_Chr04	NC_021163.1	38167132	TT	CC	CC	INTERGENIC		
SNP_20373B_38169646	Ca_Kabuli_Chr04	NC_021163.1	38169646	TT	CC	CC	INTERGENIC		
SNP_20374B_38169662	Ca_Kabuli_Chr04	NC_021163.1	38169662	TT	CC	CC	INTERGENIC		
SNP_20375B_38192135	Ca_Kabuli_Chr04	NC_021163.1	38192135	GG	AA	AA	INTERGENIC		
SNP_20376B_38192161	Ca_Kabuli_Chr04	NC_021163.1	38192161	CC	AA	AA	INTERGENIC		
SNP_20377B_38192170	Ca_Kabuli_Chr04	NC_021163.1	38192170	GG	AA	AA	INTERGENIC		
SNP_20378B_38192184	Ca_Kabuli_Chr04	NC_021163.1	38192184	TT	CC	CC	INTERGENIC		
SNP_20379B_38192345	Ca_Kabuli_Chr04	NC_021163.1	38192345	GG	AA	AA	DRR	101512308	UDP-galactose transporter 1
SNP_20380B_38192367	Ca_Kabuli_Chr04	NC_021163.1	38192367	TT	CC	CC	DRR	101512308	UDP-galactose transporter 1
SNP_20381B_38211257	Ca_Kabuli_Chr04	NC_021163.1	38211257	AA	CC	CC	DRR	101512948	long chain acyl-CoA synthetase 9, chloroplastic-like
SNP_20382B_38222263	Ca_Kabuli_Chr04	NC_021163.1	38222263	TT	CC	CC	INTERGENIC		
SNP_20383B_38226207	Ca_Kabuli_Chr04	NC_021163.1	38226207	GG	CC	CC	INTRON	101514585	uncharacterized LOC101514585
SNP_20384B_38226563	Ca_Kabuli_Chr04	NC_021163.1	38226563	GG	TT	TT	INTRON	101514585	uncharacterized LOC101514585
SNP_20385B_38226569	Ca_Kabuli_Chr04	NC_021163.1	38226569	CC	AA	AA	INTRON	101514585	uncharacterized LOC101514585
SNP_20386B_38226583	Ca_Kabuli_Chr04	NC_021163.1	38226583	TT	CC	CC	INTRON	101514585	uncharacterized LOC101514585
SNP_20387B_38227387	Ca_Kabuli_Chr04	NC_021163.1	38227387	TT	CC	CC	INTRON	101514585	uncharacterized LOC101514585
SNP_20388B_38227401	Ca_Kabuli_Chr04	NC_021163.1	38227401	CC	TT	TT	INTRON	101514585	uncharacterized LOC101514585
SNP_20389B_38227639	Ca_Kabuli_Chr04	NC_021163.1	38227639	GG	AA	AA	SYNONYMOUS_CODING	101514585	uncharacterized LOC101514585

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_20390B_38227645	Ca_Kabuli_Chr04	NC_021163.1	38227645	TT	GG	GG	SYNONYMOUS_CODING	101514585	uncharacterized LOC101514585
SNP_20391B_38228792	Ca_Kabuli_Chr04	NC_021163.1	38228792	AA	GG	GG	INTRON	101514585	uncharacterized LOC101514585
SNP_20392B_38232052	Ca_Kabuli_Chr04	NC_021163.1	38232052	AA	CC	CC	INTRON	101514585	uncharacterized LOC101514585
SNP_20393B_38233658	Ca_Kabuli_Chr04	NC_021163.1	38233658	GG	AA	AA	INTRON	101514585	uncharacterized LOC101514585
SNP_20395B_38240791	Ca_Kabuli_Chr04	NC_021163.1	38240791	CC	TT	TT	INTERGENIC		
SNP_20397B_38281362	Ca_Kabuli_Chr04	NC_021163.1	38281362	AA	TT	TT	INTERGENIC		
SNP_20398B_38284400	Ca_Kabuli_Chr04	NC_021163.1	38284400	GG	AA	AA	INTERGENIC		
SNP_20399B_38287889	Ca_Kabuli_Chr04	NC_021163.1	38287889	TT	CC	CC	INTERGENIC		
SNP_20400B_38288823	Ca_Kabuli_Chr04	NC_021163.1	38288823	TT	GG	GG	INTERGENIC		
SNP_20401B_38289585	Ca_Kabuli_Chr04	NC_021163.1	38289585	GG	AA	AA	INTERGENIC		
SNP_20402B_38294082	Ca_Kabuli_Chr04	NC_021163.1	38294082	CC	AA	AA	DRR	101410583	transfer RNA glutamine (anticodon UUG)
SNP_20403B_38303716	Ca_Kabuli_Chr04	NC_021163.1	38303716	AA	TT	TT	INTERGENIC		
SNP_20404B_38303727	Ca_Kabuli_Chr04	NC_021163.1	38303727	AA	TT	TT	INTERGENIC		
SNP_20405B_38309669	Ca_Kabuli_Chr04	NC_021163.1	38309669	TT	CC	CC	URR	101514909	uncharacterized LOC101514909
SNP_20406B_38311815	Ca_Kabuli_Chr04	NC_021163.1	38311815	GG	CC	CC	URR	101514360	BTB/POZ domain-containing protein At1g21780-like
SNP_20407B_38312151	Ca_Kabuli_Chr04	NC_021163.1	38312151	TT	CC	CC	URR	101514360	BTB/POZ domain-containing protein At1g21780-like
SNP_20408B_38312156	Ca_Kabuli_Chr04	NC_021163.1	38312156	AA	GG	GG	URR	101514360	BTB/POZ domain-containing protein At1g21780-like
SNP_20409B_38317358	Ca_Kabuli_Chr04	NC_021163.1	38317358	TT	AA	AA	INTRON	101515558	aldehyde dehydrogenase family 3 member H1
SNP_20410B_38326123	Ca_Kabuli_Chr04	NC_021163.1	38326123	GG	AA	AA	URR	101515558	aldehyde dehydrogenase family 3 member H1
SNP_20411B_38335653	Ca_Kabuli_Chr04	NC_021163.1	38335653	TT	CC	CC	INTERGENIC		
SNP_20412B_38335773	Ca_Kabuli_Chr04	NC_021163.1	38335773	AA	CC	CC	INTERGENIC		
SNP_20413B_38336050	Ca_Kabuli_Chr04	NC_021163.1	38336050	GG	AA	AA	INTERGENIC		
SNP_20414B_38336251	Ca_Kabuli_Chr04	NC_021163.1	38336251	TT	CC	CC	INTERGENIC		
SNP_20415B_38341723	Ca_Kabuli_Chr04	NC_021163.1	38341723	TT	CC	CC	SYNONYMOUS_CODING	101488525	aspartic proteinase Asp1-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_20416B_38348682	Ca_Kabuli_Chr04	NC_021163.1	38348682	TT	CC	CC	INTERGENIC		
SNP_20417B_38348692	Ca_Kabuli_Chr04	NC_021163.1	38348692	GG	AA	AA	INTERGENIC		
SNP_20418B_38348700	Ca_Kabuli_Chr04	NC_021163.1	38348700	TT	CC	CC	INTERGENIC		
SNP_20419B_38348703	Ca_Kabuli_Chr04	NC_021163.1	38348703	CC	AA	AA	INTERGENIC		
SNP_20420B_38349584	Ca_Kabuli_Chr04	NC_021163.1	38349584	AA	GG	GG	INTERGENIC		
SNP_20421B_38354267	Ca_Kabuli_Chr04	NC_021163.1	38354267	AA	GG	GG	INTERGENIC		
SNP_20422B_38354328	Ca_Kabuli_Chr04	NC_021163.1	38354328	AA	GG	GG	INTERGENIC		
SNP_20424B_38368626	Ca_Kabuli_Chr04	NC_021163.1	38368626	CC	AA	AA	INTERGENIC		
SNP_20426B_38377006	Ca_Kabuli_Chr04	NC_021163.1	38377006	AA	TT	TT	DRR	101489194	amino acid permease 3-like
SNP_20428B_38378688	Ca_Kabuli_Chr04	NC_021163.1	38378688	TT	AA	AA	INTRON	101489194	amino acid permease 3-like
SNP_20429B_38381834	Ca_Kabuli_Chr04	NC_021163.1	38381834	TT	CC	CC	INTRON	101489194	amino acid permease 3-like
SNP_20430B_38388830	Ca_Kabuli_Chr04	NC_021163.1	38388830	TT	CC	CC	INTRON	101515559	probable polygalacturonase At3g15720
SNP_20431B_38413358	Ca_Kabuli_Chr04	NC_021163.1	38413358	CC	TT	TT	INTERGENIC		
SNP_20432B_38417359	Ca_Kabuli_Chr04	NC_021163.1	38417359	CC	AA	AA	URR	101490056	tetratricopeptide repeat protein 33
SNP_20433B_38433090	Ca_Kabuli_Chr04	NC_021163.1	38433090	CC	AA	AA	INTRON	101490391	probable receptor-like serine/threonine-protein kinase At5g57670
SNP_20434B_38447082	Ca_Kabuli_Chr04	NC_021163.1	38447082	AA	GG	GG	DRR	101490717	peptidyl-prolyl cis-trans isomerase CYP59
SNP_20435B_38447121	Ca_Kabuli_Chr04	NC_021163.1	38447121	GG	TT	TT	DRR	101490717	peptidyl-prolyl cis-trans isomerase CYP59
SNP_20436B_38447128	Ca_Kabuli_Chr04	NC_021163.1	38447128	AA	GG	GG	DRR	101490717	peptidyl-prolyl cis-trans isomerase CYP59
SNP_20437B_38447130	Ca_Kabuli_Chr04	NC_021163.1	38447130	GG	AA	AA	DRR	101490717	peptidyl-prolyl cis-trans isomerase CYP59
SNP_20438B_38452319	Ca_Kabuli_Chr04	NC_021163.1	38452319	GG	AA	AA	INTRON	101490717	peptidyl-prolyl cis-trans isomerase CYP59
SNP_20439B_38452647	Ca_Kabuli_Chr04	NC_021163.1	38452647	TT	CC	CC	INTRON	101490717	peptidyl-prolyl cis-trans isomerase CYP59
SNP_20441B_38461990	Ca_Kabuli_Chr04	NC_021163.1	38461990	TT	CC	CC	INTERGENIC		
SNP_20442B_38465720	Ca_Kabuli_Chr04	NC_021163.1	38465720	TT	GG	GG	INTERGENIC		
SNP_20443B_38466497	Ca_Kabuli_Chr04	NC_021163.1	38466497	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_20444B_38467849	Ca_Kabuli_Chr04	NC_021163.1	38467849	AA	GG	GG	INTERGENIC		
SNP_20447B_38482663	Ca_Kabuli_Chr04	NC_021163.1	38482663	TT	CC	CC	DRR	101491763	floral homeotic protein PMADS 2-like
SNP_20448B_38482665	Ca_Kabuli_Chr04	NC_021163.1	38482665	TT	CC	CC	DRR	101491763	floral homeotic protein PMADS 2-like
SNP_20449B_38482686	Ca_Kabuli_Chr04	NC_021163.1	38482686	TT	CC	CC	DRR	101491763	floral homeotic protein PMADS 2-like
SNP_20452B_38483202	Ca_Kabuli_Chr04	NC_021163.1	38483202	TT	CC	CC	DRR	101491763	floral homeotic protein PMADS 2-like
SNP_20455B_38484145	Ca_Kabuli_Chr04	NC_021163.1	38484145	GG	CC	CC	INTRON	101491763	floral homeotic protein PMADS 2-like
SNP_20458B_38490100	Ca_Kabuli_Chr04	NC_021163.1	38490100	AA	GG	GG	INTERGENIC		
SNP_20459B_38491574	Ca_Kabuli_Chr04	NC_021163.1	38491574	TT	GG	GG	INTERGENIC		
SNP_20460B_38491577	Ca_Kabuli_Chr04	NC_021163.1	38491577	GG	AA	AA	INTERGENIC		
SNP_20461B_38491638	Ca_Kabuli_Chr04	NC_021163.1	38491638	CC	AA	AA	INTERGENIC		
SNP_20462B_38491685	Ca_Kabuli_Chr04	NC_021163.1	38491685	CC	TT	TT	INTERGENIC		
SNP_20463B_38491817	Ca_Kabuli_Chr04	NC_021163.1	38491817	AA	CC	CC	INTERGENIC		
SNP_20464B_38492590	Ca_Kabuli_Chr04	NC_021163.1	38492590	GG	AA	AA	INTERGENIC		
SNP_20465B_38492639	Ca_Kabuli_Chr04	NC_021163.1	38492639	CC	TT	TT	INTERGENIC		
SNP_20466B_38493381	Ca_Kabuli_Chr04	NC_021163.1	38493381	CC	TT	TT	INTERGENIC		
SNP_20467B_38493397	Ca_Kabuli_Chr04	NC_021163.1	38493397	AA	TT	TT	INTERGENIC		
SNP_20468B_38493812	Ca_Kabuli_Chr04	NC_021163.1	38493812	GG	AA	AA	INTERGENIC		
SNP_20469B_38493838	Ca_Kabuli_Chr04	NC_021163.1	38493838	GG	CC	CC	INTERGENIC		
SNP_20470B_38495666	Ca_Kabuli_Chr04	NC_021163.1	38495666	TT	CC	CC	DRR	101489302	DNA topoisomerase 2-binding protein 1-A
SNP_20471B_38500820	Ca_Kabuli_Chr04	NC_021163.1	38500820	CC	TT	TT	INTRON	101489302	DNA topoisomerase 2-binding protein 1-A
SNP_20472B_38503430	Ca_Kabuli_Chr04	NC_021163.1	38503430	GG	TT	TT	INTRON	101489302	DNA topoisomerase 2-binding protein 1-A
SNP_20473B_38524710	Ca_Kabuli_Chr04	NC_021163.1	38524710	GG	AA	AA	INTERGENIC		
SNP_20474B_38527721	Ca_Kabuli_Chr04	NC_021163.1	38527721	TT	GG	GG	DRR	101492431	NAD kinase 2, chloroplastic-like
SNP_20475B_38534446	Ca_Kabuli_Chr04	NC_021163.1	38534446	AA	GG	GG	INTRON	101492431	NAD kinase 2, chloroplastic-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_20476B_38550600	Ca_Kabuli_Chr04	NC_021163.1	38550600	GG	AA	AA	URR	101493522	probable receptor-like protein kinase At1g11050
SNP_20477B_38552010	Ca_Kabuli_Chr04	NC_021163.1	38552010	AA	GG	GG	URR	101493522	probable receptor-like protein kinase At1g11050
SNP_20478B_38552798	Ca_Kabuli_Chr04	NC_021163.1	38552798	GG	AA	AA	INTERGENIC		
SNP_20479B_38553735	Ca_Kabuli_Chr04	NC_021163.1	38553735	TT	GG	GG	INTERGENIC		
SNP_20480B_38558945	Ca_Kabuli_Chr04	NC_021163.1	38558945	TT	CC	CC	INTERGENIC		
SNP_20481B_38559017	Ca_Kabuli_Chr04	NC_021163.1	38559017	AA	CC	CC	INTERGENIC		
SNP_20482B_38563834	Ca_Kabuli_Chr04	NC_021163.1	38563834	GG	AA	AA	INTERGENIC		
SNP_20483B_38564132	Ca_Kabuli_Chr04	NC_021163.1	38564132	AA	GG	GG	INTERGENIC		
SNP_20484B_38567191	Ca_Kabuli_Chr04	NC_021163.1	38567191	GG	TT	TT	INTERGENIC		
SNP_20485B_38567217	Ca_Kabuli_Chr04	NC_021163.1	38567217	AA	GG	GG	INTERGENIC		
SNP_20487B_38567418	Ca_Kabuli_Chr04	NC_021163.1	38567418	GG	AA	AA	INTERGENIC		
SNP_20488B_38567464	Ca_Kabuli_Chr04	NC_021163.1	38567464	AA	GG	GG	INTERGENIC		
SNP_20490B_38569321	Ca_Kabuli_Chr04	NC_021163.1	38569321	TT	AA	AA	INTERGENIC		
SNP_20491B_38569545	Ca_Kabuli_Chr04	NC_021163.1	38569545	TT	GG	GG	INTERGENIC		
SNP_20492B_38575635	Ca_Kabuli_Chr04	NC_021163.1	38575635	GG	AA	AA	INTERGENIC		
SNP_20493B_38579631	Ca_Kabuli_Chr04	NC_021163.1	38579631	CC	AA	AA	INTERGENIC		
SNP_20494B_38579676	Ca_Kabuli_Chr04	NC_021163.1	38579676	TT	AA	AA	INTERGENIC		
SNP_20495B_38579677	Ca_Kabuli_Chr04	NC_021163.1	38579677	AA	TT	TT	INTERGENIC		
SNP_20496B_38579888	Ca_Kabuli_Chr04	NC_021163.1	38579888	CC	GG	GG	INTERGENIC		
SNP_20497B_38579912	Ca_Kabuli_Chr04	NC_021163.1	38579912	CC	TT	TT	INTERGENIC		
SNP_20498B_38579913	Ca_Kabuli_Chr04	NC_021163.1	38579913	CC	AA	AA	INTERGENIC		
SNP_20499B_38579925	Ca_Kabuli_Chr04	NC_021163.1	38579925	CC	TT	TT	INTERGENIC		
SNP_20500B_38579928	Ca_Kabuli_Chr04	NC_021163.1	38579928	AA	GG	GG	INTERGENIC		
SNP_20501B_38579935	Ca_Kabuli_Chr04	NC_021163.1	38579935	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_20502B_38580148	Ca_Kabuli_Chr04	NC_021163.1	38580148	TT	CC	CC	INTERGENIC		
SNP_20503B_38580962	Ca_Kabuli_Chr04	NC_021163.1	38580962	GG	CC	CC	INTERGENIC		
SNP_20504B_38589541	Ca_Kabuli_Chr04	NC_021163.1	38589541	TT	CC	CC	INTRON	101494165	ACT domain-containing protein ACR3-like
SNP_20505B_38602583	Ca_Kabuli_Chr04	NC_021163.1	38602583	AA	TT	TT	INTERGENIC		
SNP_20506B_38603811	Ca_Kabuli_Chr04	NC_021163.1	38603811	GG	AA	AA	INTERGENIC		
SNP_20507B_38603845	Ca_Kabuli_Chr04	NC_021163.1	38603845	AA	GG	GG	INTERGENIC		
SNP_20508B_38612783	Ca_Kabuli_Chr04	NC_021163.1	38612783	AA	CC	CC	INTERGENIC		
SNP_20509B_38618610	Ca_Kabuli_Chr04	NC_021163.1	38618610	AA	GG	GG	INTERGENIC		
SNP_20511B_38620068	Ca_Kabuli_Chr04	NC_021163.1	38620068	TT	CC	CC	DRR	101495881	DNA repair protein XRCC3 homolog
SNP_20512B_38622161	Ca_Kabuli_Chr04	NC_021163.1	38622161	TT	GG	GG	INTRON	101496214	ras-related protein RABC1-like
SNP_20513B_38624501	Ca_Kabuli_Chr04	NC_021163.1	38624501	CC	TT	TT	URR	101496214	ras-related protein RABC1-like
SNP_20514B_38639094	Ca_Kabuli_Chr04	NC_021163.1	38639094	TT	CC	CC	DRR	101490285	uncharacterized LOC101490285
SNP_20515B_38645732	Ca_Kabuli_Chr04	NC_021163.1	38645732	CC	TT	TT	INTERGENIC		
SNP_20516B_38647137	Ca_Kabuli_Chr04	NC_021163.1	38647137	AA	TT	TT	INTERGENIC		
SNP_20517B_38652011	Ca_Kabuli_Chr04	NC_021163.1	38652011	CC	TT	TT	INTERGENIC		
SNP_20518B_38657294	Ca_Kabuli_Chr04	NC_021163.1	38657294	CC	TT	TT	DRR	101496871	scarecrow-like protein 1
SNP_20519B_38662464	Ca_Kabuli_Chr04	NC_021163.1	38662464	GG	AA	AA	URR	101496871	scarecrow-like protein 1
SNP_20520B_38667798	Ca_Kabuli_Chr04	NC_021163.1	38667798	AA	CC	CC	INTERGENIC		
SNP_20521B_38671580	Ca_Kabuli_Chr04	NC_021163.1	38671580	AA	GG	GG	DRR	101497744	transcriptional corepressor SEUSS
SNP_20522B_38674185	Ca_Kabuli_Chr04	NC_021163.1	38674185	TT	GG	GG	INTRON	101497744	transcriptional corepressor SEUSS
SNP_20524B_38688240	Ca_Kabuli_Chr04	NC_021163.1	38688240	TT	CC	CC	INTERGENIC		
SNP_20525B_38690558	Ca_Kabuli_Chr04	NC_021163.1	38690558	AA	TT	TT	INTERGENIC		
SNP_20526B_38693186	Ca_Kabuli_Chr04	NC_021163.1	38693186	AA	GG	GG	INTERGENIC		
SNP_20527B_38694075	Ca_Kabuli_Chr04	NC_021163.1	38694075	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_20528B_38697151	Ca_Kabuli_Chr04	NC_021163.1	38697151	GG	TT	TT	INTERGENIC		
SNP_20529B_38701641	Ca_Kabuli_Chr04	NC_021163.1	38701641	GG	TT	TT	INTERGENIC		
SNP_20530B_38701642	Ca_Kabuli_Chr04	NC_021163.1	38701642	TT	GG	GG	INTERGENIC		
SNP_20531B_38701646	Ca_Kabuli_Chr04	NC_021163.1	38701646	CC	TT	TT	INTERGENIC		
SNP_20532B_38703926	Ca_Kabuli_Chr04	NC_021163.1	38703926	AA	GG	GG	INTERGENIC		
SNP_20534B_38707464	Ca_Kabuli_Chr04	NC_021163.1	38707464	TT	GG	GG	INTERGENIC		
SNP_20535B_38707479	Ca_Kabuli_Chr04	NC_021163.1	38707479	CC	TT	TT	INTERGENIC		
SNP_20536B_38707489	Ca_Kabuli_Chr04	NC_021163.1	38707489	AA	GG	GG	INTERGENIC		
SNP_20537B_38707490	Ca_Kabuli_Chr04	NC_021163.1	38707490	AA	TT	TT	INTERGENIC		
SNP_20538B_38707503	Ca_Kabuli_Chr04	NC_021163.1	38707503	TT	CC	CC	INTERGENIC		
SNP_20539B_38709125	Ca_Kabuli_Chr04	NC_021163.1	38709125	TT	CC	CC	INTERGENIC		
SNP_20540B_38713991	Ca_Kabuli_Chr04	NC_021163.1	38713991	CC	TT	TT	URR	101498274	bidirectional sugar transporter SWEET1
SNP_20541B_38714031	Ca_Kabuli_Chr04	NC_021163.1	38714031	CC	TT	TT	URR	101498274	bidirectional sugar transporter SWEET1
SNP_20542B_38714032	Ca_Kabuli_Chr04	NC_021163.1	38714032	TT	CC	CC	URR	101498274	bidirectional sugar transporter SWEET1
SNP_20543B_38714108	Ca_Kabuli_Chr04	NC_021163.1	38714108	AA	CC	CC	INTERGENIC		
SNP_20544B_38714148	Ca_Kabuli_Chr04	NC_021163.1	38714148	TT	CC	CC	INTERGENIC		
SNP_20545B_38714154	Ca_Kabuli_Chr04	NC_021163.1	38714154	TT	AA	AA	INTERGENIC		
SNP_20546B_38718167	Ca_Kabuli_Chr04	NC_021163.1	38718167	AA	GG	GG	INTERGENIC		
SNP_20547B_38718657	Ca_Kabuli_Chr04	NC_021163.1	38718657	GG	AA	AA	INTERGENIC		
SNP_20548B_38719451	Ca_Kabuli_Chr04	NC_021163.1	38719451	CC	TT	TT	DRR	101498610	probable beta-1,4-xylosyltransferase IRX10
SNP_20549B_38719479	Ca_Kabuli_Chr04	NC_021163.1	38719479	TT	CC	CC	DRR	101498610	probable beta-1,4-xylosyltransferase IRX10
SNP_20550B_38721502	Ca_Kabuli_Chr04	NC_021163.1	38721502	CC	TT	TT	INTRON	101498610	probable beta-1,4-xylosyltransferase IRX10
SNP_20551B_38734181	Ca_Kabuli_Chr04	NC_021163.1	38734181	AA	GG	GG	DRR	101490603	F-box/LRR-repeat protein At3g48880-like
SNP_20553B_38747497	Ca_Kabuli_Chr04	NC_021163.1	38747497	TT	AA	AA	URR	101490925	F-box/LRR-repeat protein At3g48880-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_20554B_38749055	Ca_Kabuli_Chr04	NC_021163.1	38749055	CC	TT	TT	INTERGENIC		
SNP_20555B_38750383	Ca_Kabuli_Chr04	NC_021163.1	38750383	CC	TT	TT	INTERGENIC		
SNP_20556B_38752144	Ca_Kabuli_Chr04	NC_021163.1	38752144	GG	AA	AA	INTERGENIC		
SNP_20557B_38752160	Ca_Kabuli_Chr04	NC_021163.1	38752160	GG	AA	AA	INTERGENIC		
SNP_20558B_38755964	Ca_Kabuli_Chr04	NC_021163.1	38755964	GG	CC	CC	NON_SYNONYMOUS_CODING	101498940	probable auxin efflux carrier component 6
SNP_20560B_38780791	Ca_Kabuli_Chr04	NC_021163.1	38780791	AA	TT	TT	DRR	101491242	proline-rich receptor-like protein kinase PERK10
SNP_20561B_38780850	Ca_Kabuli_Chr04	NC_021163.1	38780850	CC	TT	TT	DRR	101491242	proline-rich receptor-like protein kinase PERK10
SNP_20562B_38782894	Ca_Kabuli_Chr04	NC_021163.1	38782894	AA	GG	GG	DRR	101499585	putative UDP-glucuronate:xylan alpha-glucuronosyltransferase 3
SNP_20563B_38784500	Ca_Kabuli_Chr04	NC_021163.1	38784500	GG	TT	TT	INTRON	101499585	putative UDP-glucuronate:xylan alpha-glucuronosyltransferase 3
SNP_20564B_38786540	Ca_Kabuli_Chr04	NC_021163.1	38786540	AA	GG	GG	INTRON	101499585	putative UDP-glucuronate:xylan alpha-glucuronosyltransferase 3
SNP_20565B_38786701	Ca_Kabuli_Chr04	NC_021163.1	38786701	CC	TT	TT	INTRON	101499585	putative UDP-glucuronate:xylan alpha-glucuronosyltransferase 3
SNP_20566B_38789051	Ca_Kabuli_Chr04	NC_021163.1	38789051	TT	CC	CC	URR	101499585	putative UDP-glucuronate:xylan alpha-glucuronosyltransferase 3
SNP_20567B_38789074	Ca_Kabuli_Chr04	NC_021163.1	38789074	TT	AA	AA	URR	101499585	putative UDP-glucuronate:xylan alpha-glucuronosyltransferase 3
SNP_20568B_38814574	Ca_Kabuli_Chr04	NC_021163.1	38814574	TT	GG	GG	INTERGENIC		
SNP_20569B_38815211	Ca_Kabuli_Chr04	NC_021163.1	38815211	TT	CC	CC	INTERGENIC		
SNP_20570B_38816562	Ca_Kabuli_Chr04	NC_021163.1	38816562	TT	AA	AA	DRR	101491567	nuclear transcription factor Y subunit B-3-like
SNP_20572B_38830732	Ca_Kabuli_Chr04	NC_021163.1	38830732	AA	CC	CC	INTERGENIC		
SNP_20573B_38830784	Ca_Kabuli_Chr04	NC_021163.1	38830784	GG	TT	TT	INTERGENIC		
SNP_20574B_38840151	Ca_Kabuli_Chr04	NC_021163.1	38840151	TT	CC	CC	INTERGENIC		
SNP_20575B_38846920	Ca_Kabuli_Chr04	NC_021163.1	38846920	CC	GG	GG	INTERGENIC		
SNP_20576B_38848009	Ca_Kabuli_Chr04	NC_021163.1	38848009	CC	AA	AA	INTERGENIC		
SNP_20577B_38852101	Ca_Kabuli_Chr04	NC_021163.1	38852101	AA	GG	GG	INTERGENIC		
SNP_20578B_38859914	Ca_Kabuli_Chr04	NC_021163.1	38859914	CC	TT	TT	INTERGENIC		
SNP_20579B_38859922	Ca_Kabuli_Chr04	NC_021163.1	38859922	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_20580B_38859923	Ca_Kabuli_Chr04	NC_021163.1	38859923	TT	AA	AA	INTERGENIC		
SNP_20581B_38871867	Ca_Kabuli_Chr04	NC_021163.1	38871867	TT	GG	GG	URR	101501063	glycolipid transfer protein 2-like
SNP_20582B_38871900	Ca_Kabuli_Chr04	NC_021163.1	38871900	GG	CC	CC	URR	101501063	glycolipid transfer protein 2-like
SNP_20583B_38872231	Ca_Kabuli_Chr04	NC_021163.1	38872231	AA	GG	GG	URR	101501063	glycolipid transfer protein 2-like
SNP_20584B_38872232	Ca_Kabuli_Chr04	NC_021163.1	38872232	CC	TT	TT	URR	101501063	glycolipid transfer protein 2-like
SNP_20585B_38874491	Ca_Kabuli_Chr04	NC_021163.1	38874491	GG	AA	AA	INTERGENIC		
SNP_20586B_38881602	Ca_Kabuli_Chr04	NC_021163.1	38881602	TT	CC	CC	INTRON	101491877	Unknown function
SNP_20587B_38881607	Ca_Kabuli_Chr04	NC_021163.1	38881607	CC	AA	AA	INTRON	101491877	Unknown function
SNP_20588B_38881633	Ca_Kabuli_Chr04	NC_021163.1	38881633	GG	AA	AA	INTRON	101491877	Unknown function
SNP_20589B_38881863	Ca_Kabuli_Chr04	NC_021163.1	38881863	CC	AA	AA	INTRON	101491877	Unknown function
SNP_20590B_38881907	Ca_Kabuli_Chr04	NC_021163.1	38881907	AA	GG	GG	INTRON	101491877	Unknown function
SNP_20591B_38881911	Ca_Kabuli_Chr04	NC_021163.1	38881911	GG	AA	AA	INTRON	101491877	Unknown function
SNP_20592B_38883929	Ca_Kabuli_Chr04	NC_021163.1	38883929	GG	AA	AA	INTRON	101491877	Unknown function
SNP_20593B_38887646	Ca_Kabuli_Chr04	NC_021163.1	38887646	CC	TT	TT	URR	101491877	Unknown function
SNP_20594B_38887877	Ca_Kabuli_Chr04	NC_021163.1	38887877	AA	GG	GG	URR	101491877	Unknown function
SNP_20595B_38892200	Ca_Kabuli_Chr04	NC_021163.1	38892200	TT	CC	CC	URR	101501377	probable inactive receptor kinase At4g23740
SNP_20596B_38896224	Ca_Kabuli_Chr04	NC_021163.1	38896224	TT	CC	CC	INTERGENIC		
SNP_20597B_38898943	Ca_Kabuli_Chr04	NC_021163.1	38898943	CC	GG	GG	INTERGENIC		
SNP_20598B_38898962	Ca_Kabuli_Chr04	NC_021163.1	38898962	TT	GG	GG	INTERGENIC		
SNP_20599B_38915084	Ca_Kabuli_Chr04	NC_021163.1	38915084	AA	GG	GG	START_GAINED	101501693	Unknown function
SNP_20600B_38915405	Ca_Kabuli_Chr04	NC_021163.1	38915405	GG	TT	TT	INTRON	101501693	Unknown function
SNP_20601B_38917174	Ca_Kabuli_Chr04	NC_021163.1	38917174	CC	TT	TT	DRR	101492211	inorganic phosphate transporter 1-11-like
SNP_20602B_38917176	Ca_Kabuli_Chr04	NC_021163.1	38917176	AA	GG	GG	DRR	101492211	inorganic phosphate transporter 1-11-like
SNP_20603B_38929400	Ca_Kabuli_Chr04	NC_021163.1	38929400	CC	TT	TT	INTRON	101502018	plastid division protein PDV1

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_20604B_38931862	Ca_Kabuli_Chr04	NC_021163.1	38931862	GG	TT	TT	URR	101502018	plastid division protein PDV1
SNP_20605B_38931882	Ca_Kabuli_Chr04	NC_021163.1	38931882	AA	GG	GG	URR	101502018	plastid division protein PDV1
SNP_20607B_38955067	Ca_Kabuli_Chr04	NC_021163.1	38955067	CC	TT	TT	INTERGENIC		
SNP_20609B_38958985	Ca_Kabuli_Chr04	NC_021163.1	38958985	CC	AA	AA	DRR	101502656	ubiquitin-conjugating enzyme E2 10
SNP_20610B_38961604	Ca_Kabuli_Chr04	NC_021163.1	38961604	TT	AA	AA	INTERGENIC		
SNP_20612B_38965172	Ca_Kabuli_Chr04	NC_021163.1	38965172	AA	CC	CC	INTRON	101503200	SUMO-conjugating enzyme UBC9-like
SNP_20613B_38967597	Ca_Kabuli_Chr04	NC_021163.1	38967597	CC	AA	AA	INTRON	101503200	SUMO-conjugating enzyme UBC9-like
SNP_20614B_38970032	Ca_Kabuli_Chr04	NC_021163.1	38970032	GG	AA	AA	URR	101503200	SUMO-conjugating enzyme UBC9-like
SNP_20615B_38970043	Ca_Kabuli_Chr04	NC_021163.1	38970043	AA	TT	TT	URR	101503200	SUMO-conjugating enzyme UBC9-like
SNP_20616B_38970047	Ca_Kabuli_Chr04	NC_021163.1	38970047	GG	AA	AA	URR	101503200	SUMO-conjugating enzyme UBC9-like
SNP_20618B_38994594	Ca_Kabuli_Chr04	NC_021163.1	38994594	AA	GG	GG	INTERGENIC		
SNP_20621B_39001755	Ca_Kabuli_Chr04	NC_021163.1	39001755	AA	GG	GG	INTERGENIC		
SNP_20622B_39006695	Ca_Kabuli_Chr04	NC_021163.1	39006695	TT	GG	GG	INTERGENIC		
SNP_20623B_39013190	Ca_Kabuli_Chr04	NC_021163.1	39013190	TT	GG	GG	INTERGENIC		
SNP_20624B_39015849	Ca_Kabuli_Chr04	NC_021163.1	39015849	AA	TT	TT	INTRON	101504169	bidirectional sugar transporter SWEET3
SNP_20625B_39015853	Ca_Kabuli_Chr04	NC_021163.1	39015853	TT	AA	AA	INTRON	101504169	bidirectional sugar transporter SWEET3
SNP_20626B_39015859	Ca_Kabuli_Chr04	NC_021163.1	39015859	GG	TT	TT	INTRON	101504169	bidirectional sugar transporter SWEET3
SNP_20627B_39015865	Ca_Kabuli_Chr04	NC_021163.1	39015865	TT	AA	AA	INTRON	101504169	bidirectional sugar transporter SWEET3
SNP_20628B_39017168	Ca_Kabuli_Chr04	NC_021163.1	39017168	AA	GG	GG	INTRON	101504169	bidirectional sugar transporter SWEET3
SNP_20629B_39018610	Ca_Kabuli_Chr04	NC_021163.1	39018610	AA	TT	TT	URR	101504169	bidirectional sugar transporter SWEET3
SNP_20630B_39018620	Ca_Kabuli_Chr04	NC_021163.1	39018620	CC	TT	TT	URR	101504169	bidirectional sugar transporter SWEET3
SNP_20631B_39023630	Ca_Kabuli_Chr04	NC_021163.1	39023630	AA	TT	TT	INTERGENIC		
SNP_20632B_39026569	Ca_Kabuli_Chr04	NC_021163.1	39026569	AA	GG	GG	INTERGENIC		
SNP_20633B_39026855	Ca_Kabuli_Chr04	NC_021163.1	39026855	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_20634B_39028225	Ca_Kabuli_Chr04	NC_021163.1	39028225	GG	AA	AA	INTERGENIC		
SNP_20635B_39036835	Ca_Kabuli_Chr04	NC_021163.1	39036835	CC	TT	TT	INTRON	101504808	polypyrimidine tract-binding protein homolog 2
SNP_20637B_39038708	Ca_Kabuli_Chr04	NC_021163.1	39038708	AA	GG	GG	URR	101504808	polypyrimidine tract-binding protein homolog 2
SNP_20638B_39039796	Ca_Kabuli_Chr04	NC_021163.1	39039796	GG	AA	AA	DRR	101504494	ATP-dependent zinc metalloprotease FTSH 11, chloroplastic/mitochondrial
SNP_20639B_39043179	Ca_Kabuli_Chr04	NC_021163.1	39043179	TT	CC	CC	INTERGENIC		
SNP_20640B_39044478	Ca_Kabuli_Chr04	NC_021163.1	39044478	GG	AA	AA	INTRON	101504494	ATP-dependent zinc metalloprotease FTSH 11, chloroplastic/mitochondrial
SNP_20641B_39048183	Ca_Kabuli_Chr04	NC_021163.1	39048183	TT	CC	CC	INTERGENIC		
SNP_20642B_39051416	Ca_Kabuli_Chr04	NC_021163.1	39051416	AA	GG	GG	DRR	101505121	abscisic acid receptor PYL8
SNP_20643B_39063266	Ca_Kabuli_Chr04	NC_021163.1	39063266	CC	AA	AA	URR	101505779	uncharacterized LOC101505779
SNP_20644B_39063651	Ca_Kabuli_Chr04	NC_021163.1	39063651	AA	CC	CC	INTERGENIC		
SNP_20645B_39067347	Ca_Kabuli_Chr04	NC_021163.1	39067347	TT	CC	CC	INTERGENIC		
SNP_20646B_39074993	Ca_Kabuli_Chr04	NC_021163.1	39074993	GG	TT	TT	INTERGENIC		
SNP_20647B_39075620	Ca_Kabuli_Chr04	NC_021163.1	39075620	GG	AA	AA	INTERGENIC		
SNP_20648B_39076190	Ca_Kabuli_Chr04	NC_021163.1	39076190	GG	AA	AA	INTERGENIC		
SNP_20649B_39083824	Ca_Kabuli_Chr04	NC_021163.1	39083824	AA	GG	GG	INTERGENIC		
SNP_20650B_39085821	Ca_Kabuli_Chr04	NC_021163.1	39085821	CC	AA	AA	URR	101506091	cyclic nucleotide-gated ion channel 1-like
SNP_20651B_39086345	Ca_Kabuli_Chr04	NC_021163.1	39086345	CC	AA	AA	URR	101506091	cyclic nucleotide-gated ion channel 1-like
SNP_20652B_39124789	Ca_Kabuli_Chr04	NC_021163.1	39124789	AA	TT	TT	INTERGENIC		
SNP_20653B_39131022	Ca_Kabuli_Chr04	NC_021163.1	39131022	TT	CC	CC	INTERGENIC		
SNP_20654B_39132695	Ca_Kabuli_Chr04	NC_021163.1	39132695	GG	AA	AA	INTERGENIC		
SNP_20655B_39153741	Ca_Kabuli_Chr04	NC_021163.1	39153741	TT	AA	AA	URR	101493206	probable receptor-like protein kinase At5g39030
SNP_20657B_39193971	Ca_Kabuli_Chr04	NC_021163.1	39193971	CC	AA	AA	INTERGENIC		
SNP_20659B_39291392	Ca_Kabuli_Chr04	NC_021163.1	39291392	GG	AA	AA	INTERGENIC		
SNP_20660B_39291434	Ca_Kabuli_Chr04	NC_021163.1	39291434	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_20661B_39298599	Ca_Kabuli_Chr04	NC_021163.1	39298599	AA	GG	GG	INTERGENIC		
SNP_20662B_39298732	Ca_Kabuli_Chr04	NC_021163.1	39298732	AA	GG	GG	INTERGENIC		
SNP_20663B_39298786	Ca_Kabuli_Chr04	NC_021163.1	39298786	AA	CC	CC	INTERGENIC		
SNP_20664B_39299025	Ca_Kabuli_Chr04	NC_021163.1	39299025	GG	CC	CC	INTERGENIC		
SNP_20666B_39299050	Ca_Kabuli_Chr04	NC_021163.1	39299050	AA	GG	GG	INTERGENIC		
SNP_20667B_39643114	Ca_Kabuli_Chr04	NC_021163.1	39643114	CC	AA	AA	NON_SYNONYMOUS_CODING	101492764	Unknown function
SNP_20668B_39644867	Ca_Kabuli_Chr04	NC_021163.1	39644867	TT	CC	CC	URR	101492764	Unknown function
SNP_20670B_39689210	Ca_Kabuli_Chr04	NC_021163.1	39689210	GG	AA	AA	INTRON	101509945	G-type lectin S-receptor-like serine/threonine-protein kinase B120
SNP_20671B_39689278	Ca_Kabuli_Chr04	NC_021163.1	39689278	AA	CC	CC	INTRON	101509945	G-type lectin S-receptor-like serine/threonine-protein kinase B120
SNP_20672B_39689287	Ca_Kabuli_Chr04	NC_021163.1	39689287	TT	GG	GG	INTRON	101509945	G-type lectin S-receptor-like serine/threonine-protein kinase B120
SNP_20673B_39689301	Ca_Kabuli_Chr04	NC_021163.1	39689301	AA	CC	CC	INTRON	101509945	G-type lectin S-receptor-like serine/threonine-protein kinase B120
SNP_20674B_39689308	Ca_Kabuli_Chr04	NC_021163.1	39689308	AA	GG	GG	INTRON	101509945	G-type lectin S-receptor-like serine/threonine-protein kinase B120
SNP_20675B_39689320	Ca_Kabuli_Chr04	NC_021163.1	39689320	TT	CC	CC	INTRON	101509945	G-type lectin S-receptor-like serine/threonine-protein kinase B120
SNP_20676B_39689349	Ca_Kabuli_Chr04	NC_021163.1	39689349	GG	AA	AA	INTRON	101509945	G-type lectin S-receptor-like serine/threonine-protein kinase B120
SNP_20677B_39689386	Ca_Kabuli_Chr04	NC_021163.1	39689386	TT	AA	AA	INTRON	101509945	G-type lectin S-receptor-like serine/threonine-protein kinase B120
SNP_20678B_39691197	Ca_Kabuli_Chr04	NC_021163.1	39691197	TT	CC	CC	INTERGENIC		
SNP_20679B_39691217	Ca_Kabuli_Chr04	NC_021163.1	39691217	TT	CC	CC	INTERGENIC		
SNP_20680B_39691529	Ca_Kabuli_Chr04	NC_021163.1	39691529	TT	CC	CC	INTERGENIC		
SNP_20681B_39691540	Ca_Kabuli_Chr04	NC_021163.1	39691540	AA	GG	GG	INTERGENIC		
SNP_20682B_39889359	Ca_Kabuli_Chr04	NC_021163.1	39889359	AA	GG	GG	INTERGENIC		
SNP_20683B_39889447	Ca_Kabuli_Chr04	NC_021163.1	39889447	GG	AA	AA	INTERGENIC		
SNP_20684B_39889473	Ca_Kabuli_Chr04	NC_021163.1	39889473	GG	AA	AA	INTERGENIC		
SNP_20685B_39889515	Ca_Kabuli_Chr04	NC_021163.1	39889515	AA	TT	TT	INTERGENIC		
SNP_20686B_39889534	Ca_Kabuli_Chr04	NC_021163.1	39889534	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_20687B_39903408	Ca_Kabuli_Chr04	NC_021163.1	39903408	AA	TT	TT	INTERGENIC		
SNP_20688B_39903772	Ca_Kabuli_Chr04	NC_021163.1	39903772	TT	CC	CC	INTERGENIC		
SNP_20689B_39986657	Ca_Kabuli_Chr04	NC_021163.1	39986657	AA	GG	GG	INTERGENIC		
SNP_20690B_39986658	Ca_Kabuli_Chr04	NC_021163.1	39986658	GG	AA	AA	INTERGENIC		
SNP_20691B_39986690	Ca_Kabuli_Chr04	NC_021163.1	39986690	AA	TT	TT	INTERGENIC		
SNP_20692B_39986757	Ca_Kabuli_Chr04	NC_021163.1	39986757	CC	TT	TT	INTERGENIC		
SNP_20693B_39986759	Ca_Kabuli_Chr04	NC_021163.1	39986759	GG	AA	AA	INTERGENIC		
SNP_20694B_39987165	Ca_Kabuli_Chr04	NC_021163.1	39987165	TT	CC	CC	INTERGENIC		
SNP_20695B_39987259	Ca_Kabuli_Chr04	NC_021163.1	39987259	AA	CC	CC	INTERGENIC		
SNP_20696B_39994027	Ca_Kabuli_Chr04	NC_021163.1	39994027	TT	CC	CC	INTERGENIC		
SNP_20697B_39994029	Ca_Kabuli_Chr04	NC_021163.1	39994029	GG	AA	AA	INTERGENIC		
SNP_20698B_40059090	Ca_Kabuli_Chr04	NC_021163.1	40059090	AA	GG	GG	DRR	101503070	nuclear pore complex protein NUP85
SNP_20700B_40114557	Ca_Kabuli_Chr04	NC_021163.1	40114557	TT	CC	CC	INTERGENIC		
SNP_20701B_40114572	Ca_Kabuli_Chr04	NC_021163.1	40114572	AA	GG	GG	INTERGENIC		
SNP_20702B_40114613	Ca_Kabuli_Chr04	NC_021163.1	40114613	AA	GG	GG	INTERGENIC		
SNP_20703B_40171978	Ca_Kabuli_Chr04	NC_021163.1	40171978	TT	CC	CC	INTRON	101500851	phosphoribosylglycinamide formyltransferase, chloroplastic-like
SNP_20704B_40334836	Ca_Kabuli_Chr04	NC_021163.1	40334836	GG	AA	AA	INTERGENIC		
SNP_20705B_40334857	Ca_Kabuli_Chr04	NC_021163.1	40334857	GG	AA	AA	INTERGENIC		
SNP_20706B_40334872	Ca_Kabuli_Chr04	NC_021163.1	40334872	AA	TT	TT	INTERGENIC		
SNP_20707B_40334906	Ca_Kabuli_Chr04	NC_021163.1	40334906	AA	GG	GG	INTERGENIC		
SNP_20708B_40334922	Ca_Kabuli_Chr04	NC_021163.1	40334922	TT	CC	CC	INTERGENIC		
SNP_20709B_40335095	Ca_Kabuli_Chr04	NC_021163.1	40335095	AA	GG	GG	INTERGENIC		
SNP_20710B_40335178	Ca_Kabuli_Chr04	NC_021163.1	40335178	TT	CC	CC	INTERGENIC		
SNP_20711B_40335291	Ca_Kabuli_Chr04	NC_021163.1	40335291	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_20712B_40335297	Ca_Kabuli_Chr04	NC_021163.1	40335297	AA	CC	CC	INTERGENIC		
SNP_20713B_40335317	Ca_Kabuli_Chr04	NC_021163.1	40335317	CC	AA	AA	INTERGENIC		
SNP_20714B_40335348	Ca_Kabuli_Chr04	NC_021163.1	40335348	TT	GG	GG	INTERGENIC		
SNP_20715B_40335430	Ca_Kabuli_Chr04	NC_021163.1	40335430	AA	GG	GG	INTERGENIC		
SNP_20716B_40335438	Ca_Kabuli_Chr04	NC_021163.1	40335438	TT	CC	CC	INTERGENIC		
SNP_20717B_40341864	Ca_Kabuli_Chr04	NC_021163.1	40341864	GG	AA	AA	NON_SYNONYMOUS_CODING	101497408	pentatricopeptide repeat-containing protein At1g63080, mitochondrial-like
SNP_20718B_40341905	Ca_Kabuli_Chr04	NC_021163.1	40341905	AA	GG	GG	NON_SYNONYMOUS_CODING	101497408	pentatricopeptide repeat-containing protein At1g63080, mitochondrial-like
SNP_20721B_40481903	Ca_Kabuli_Chr04	NC_021163.1	40481903	CC	TT	TT	INTRON	101488974	uncharacterized LOC101488974
SNP_20722B_40482288	Ca_Kabuli_Chr04	NC_021163.1	40482288	TT	CC	CC	INTRON	101488974	uncharacterized LOC101488974
SNP_20723B_40482307	Ca_Kabuli_Chr04	NC_021163.1	40482307	TT	CC	CC	INTRON	101488974	uncharacterized LOC101488974
SNP_20724B_40484690	Ca_Kabuli_Chr04	NC_021163.1	40484690	GG	AA	AA	URR	101488974	uncharacterized LOC101488974
SNP_20725B_40484694	Ca_Kabuli_Chr04	NC_021163.1	40484694	AA	GG	GG	URR	101488974	uncharacterized LOC101488974
SNP_20727B_40491505	Ca_Kabuli_Chr04	NC_021163.1	40491505	AA	TT	TT	INTRON	101489421	protein ABIL2-like
SNP_20728B_40491507	Ca_Kabuli_Chr04	NC_021163.1	40491507	GG	TT	TT	INTRON	101489421	protein ABIL2-like
SNP_20729B_40491544	Ca_Kabuli_Chr04	NC_021163.1	40491544	AA	CC	CC	INTRON	101489421	protein ABIL2-like
SNP_20730B_40492382	Ca_Kabuli_Chr04	NC_021163.1	40492382	TT	GG	GG	INTRON	101489421	protein ABIL2-like
SNP_20731B_40492416	Ca_Kabuli_Chr04	NC_021163.1	40492416	CC	GG	GG	INTRON	101489421	protein ABIL2-like
SNP_20732B_40492432	Ca_Kabuli_Chr04	NC_021163.1	40492432	AA	GG	GG	INTERGENIC		
SNP_20733B_40493822	Ca_Kabuli_Chr04	NC_021163.1	40493822	TT	AA	AA	URR	101489421	protein ABIL2-like
SNP_20734B_40493990	Ca_Kabuli_Chr04	NC_021163.1	40493990	CC	TT	TT	URR	101489421	protein ABIL2-like
SNP_20735B_40493991	Ca_Kabuli_Chr04	NC_021163.1	40493991	TT	CC	CC	URR	101489421	protein ABIL2-like
SNP_20736B_40493993	Ca_Kabuli_Chr04	NC_021163.1	40493993	AA	GG	GG	URR	101489421	protein ABIL2-like
SNP_20739B_40512646	Ca_Kabuli_Chr04	NC_021163.1	40512646	GG	TT	TT	INTRON	101490491	protein IQ-DOMAIN 1-like
SNP_20740B_40513733	Ca_Kabuli_Chr04	NC_021163.1	40513733	TT	CC	CC	SYNONYMOUS_CODING	101490491	protein IQ-DOMAIN 1-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_20741B_40516511	Ca_Kabuli_Chr04	NC_021163.1	40516511	AA	GG	GG	URR	101490491	protein IQ-DOMAIN 1-like
SNP_20742B_40516526	Ca_Kabuli_Chr04	NC_021163.1	40516526	AA	GG	GG	URR	101490491	protein IQ-DOMAIN 1-like
SNP_20743B_40516563	Ca_Kabuli_Chr04	NC_021163.1	40516563	TT	CC	CC	URR	101490491	protein IQ-DOMAIN 1-like
SNP_20744B_40518741	Ca_Kabuli_Chr04	NC_021163.1	40518741	GG	AA	AA	INTERGENIC		
SNP_20745B_40518744	Ca_Kabuli_Chr04	NC_021163.1	40518744	GG	AA	AA	INTERGENIC		
SNP_20746B_40518762	Ca_Kabuli_Chr04	NC_021163.1	40518762	GG	AA	AA	INTERGENIC		
SNP_20747B_40518763	Ca_Kabuli_Chr04	NC_021163.1	40518763	TT	CC	CC	INTERGENIC		
SNP_20748B_40518769	Ca_Kabuli_Chr04	NC_021163.1	40518769	GG	AA	AA	INTERGENIC		
SNP_20749B_40519111	Ca_Kabuli_Chr04	NC_021163.1	40519111	GG	AA	AA	INTERGENIC		
SNP_20750B_40519502	Ca_Kabuli_Chr04	NC_021163.1	40519502	CC	AA	AA	INTERGENIC		
SNP_20751B_40523864	Ca_Kabuli_Chr04	NC_021163.1	40523864	TT	CC	CC	INTERGENIC		
SNP_20752B_40533165	Ca_Kabuli_Chr04	NC_021163.1	40533165	GG	CC	CC	INTRON	101490815	uncharacterized LOC101490815
SNP_20753B_40533234	Ca_Kabuli_Chr04	NC_021163.1	40533234	TT	AA	AA	NON_SYNONYMOUS_CODING	101490815	uncharacterized LOC101490815
SNP_20754B_40533821	Ca_Kabuli_Chr04	NC_021163.1	40533821	CC	GG	GG	INTRON	101490815	uncharacterized LOC101490815
SNP_20755B_40539576	Ca_Kabuli_Chr04	NC_021163.1	40539576	CC	TT	TT	INTRON	101490815	uncharacterized LOC101490815
SNP_20756B_40539583	Ca_Kabuli_Chr04	NC_021163.1	40539583	TT	CC	CC	INTRON	101490815	uncharacterized LOC101490815
SNP_20757B_40551386	Ca_Kabuli_Chr04	NC_021163.1	40551386	CC	AA	AA	INTRON	101490815	uncharacterized LOC101490815
SNP_20758B_40552770	Ca_Kabuli_Chr04	NC_021163.1	40552770	TT	GG	GG	INTRON	101490815	uncharacterized LOC101490815
SNP_20759B_40553634	Ca_Kabuli_Chr04	NC_021163.1	40553634	AA	GG	GG	INTRON	101490815	uncharacterized LOC101490815
SNP_20760B_40553886	Ca_Kabuli_Chr04	NC_021163.1	40553886	GG	CC	CC	INTRON	101490815	uncharacterized LOC101490815
SNP_20761B_40553911	Ca_Kabuli_Chr04	NC_021163.1	40553911	CC	TT	TT	INTRON	101490815	uncharacterized LOC101490815
SNP_20762B_40553964	Ca_Kabuli_Chr04	NC_021163.1	40553964	GG	TT	TT	INTRON	101490815	uncharacterized LOC101490815
SNP_20763B_40553971	Ca_Kabuli_Chr04	NC_021163.1	40553971	GG	CC	CC	INTRON	101490815	uncharacterized LOC101490815
SNP_20764B_40555546	Ca_Kabuli_Chr04	NC_021163.1	40555546	TT	GG	GG	INTRON	101490815	uncharacterized LOC101490815

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_20765B_40556000	Ca_Kabuli_Chr04	NC_021163.1	40556000	CC	TT	TT	INTRON	101490815	uncharacterized LOC101490815
SNP_20766B_40557716	Ca_Kabuli_Chr04	NC_021163.1	40557716	CC	TT	TT	URR	101490815	uncharacterized LOC101490815
SNP_20767B_40559104	Ca_Kabuli_Chr04	NC_021163.1	40559104	AA	CC	CC	URR	101490815	uncharacterized LOC101490815
SNP_20768B_40560982	Ca_Kabuli_Chr04	NC_021163.1	40560982	AA	GG	GG	INTERGENIC		
SNP_20769B_40560995	Ca_Kabuli_Chr04	NC_021163.1	40560995	TT	CC	CC	INTERGENIC		
SNP_20770B_40560996	Ca_Kabuli_Chr04	NC_021163.1	40560996	GG	AA	AA	INTERGENIC		
SNP_20771B_40571814	Ca_Kabuli_Chr04	NC_021163.1	40571814	CC	TT	TT	INTERGENIC		
SNP_20772B_40575273	Ca_Kabuli_Chr04	NC_021163.1	40575273	GG	AA	AA	INTERGENIC		
SNP_20773B_40576877	Ca_Kabuli_Chr04	NC_021163.1	40576877	GG	AA	AA	DRR	101491141	uncharacterized LOC101491141
SNP_20775B_40587185	Ca_Kabuli_Chr04	NC_021163.1	40587185	GG	AA	AA	INTERGENIC		
SNP_20776B_40591120	Ca_Kabuli_Chr04	NC_021163.1	40591120	CC	TT	TT	INTERGENIC		
SNP_20777B_40600350	Ca_Kabuli_Chr04	NC_021163.1	40600350	GG	AA	AA	INTERGENIC		
SNP_20778B_40600354	Ca_Kabuli_Chr04	NC_021163.1	40600354	TT	GG	GG	INTERGENIC		
SNP_20779B_40620824	Ca_Kabuli_Chr04	NC_021163.1	40620824	AA	TT	TT	INTRON	101498276	Unknown function
SNP_20780B_40620840	Ca_Kabuli_Chr04	NC_021163.1	40620840	CC	TT	TT	INTRON	101498276	Unknown function
SNP_20781B_40621859	Ca_Kabuli_Chr04	NC_021163.1	40621859	GG	AA	AA	INTRON	101498276	Unknown function
SNP_20782B_40625207	Ca_Kabuli_Chr04	NC_021163.1	40625207	GG	AA	AA	URR	101498276	Unknown function
SNP_20783B_40629607	Ca_Kabuli_Chr04	NC_021163.1	40629607	TT	CC	CC	INTERGENIC		
SNP_20784B_40630366	Ca_Kabuli_Chr04	NC_021163.1	40630366	TT	CC	CC	INTERGENIC		
SNP_20785B_40630367	Ca_Kabuli_Chr04	NC_021163.1	40630367	AA	CC	CC	INTERGENIC		
SNP_20786B_40630368	Ca_Kabuli_Chr04	NC_021163.1	40630368	GG	AA	AA	INTERGENIC		
SNP_20787B_40630369	Ca_Kabuli_Chr04	NC_021163.1	40630369	TT	AA	AA	INTERGENIC		
SNP_20788B_40630370	Ca_Kabuli_Chr04	NC_021163.1	40630370	TT	CC	CC	INTERGENIC		
SNP_20789B_40638748	Ca_Kabuli_Chr04	NC_021163.1	40638748	TT	CC	CC	INTRON	101492088	O-acyltransferase WSD1-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_20790B_40647474	Ca_Kabuli_Chr04	NC_021163.1	40647474	TT	AA	AA	URR	101492088	O-acyltransferase WSD1-like
SNP_20791B_40647938	Ca_Kabuli_Chr04	NC_021163.1	40647938	AA	CC	CC	URR	101492088	O-acyltransferase WSD1-like
SNP_20792B_40648207	Ca_Kabuli_Chr04	NC_021163.1	40648207	CC	TT	TT	URR	101492088	O-acyltransferase WSD1-like
SNP_20793B_40648290	Ca_Kabuli_Chr04	NC_021163.1	40648290	TT	CC	CC	URR	101492088	O-acyltransferase WSD1-like
SNP_20794B_40648743	Ca_Kabuli_Chr04	NC_021163.1	40648743	CC	TT	TT	DRR	101492432	protein BOBBER 1
SNP_20795B_40648869	Ca_Kabuli_Chr04	NC_021163.1	40648869	TT	GG	GG	DRR	101492432	protein BOBBER 1
SNP_20796B_40648877	Ca_Kabuli_Chr04	NC_021163.1	40648877	CC	AA	AA	DRR	101492432	protein BOBBER 1
SNP_20798B_40649120	Ca_Kabuli_Chr04	NC_021163.1	40649120	TT	AA	AA	DRR	101492432	protein BOBBER 1
SNP_20799B_40651378	Ca_Kabuli_Chr04	NC_021163.1	40651378	CC	AA	AA	INTERGENIC		
SNP_20800B_40651379	Ca_Kabuli_Chr04	NC_021163.1	40651379	TT	CC	CC	INTERGENIC		
SNP_20801B_40651380	Ca_Kabuli_Chr04	NC_021163.1	40651380	CC	GG	GG	INTERGENIC		
SNP_20802B_40653040	Ca_Kabuli_Chr04	NC_021163.1	40653040	TT	AA	AA	URR	101492432	protein BOBBER 1
SNP_20803B_40653093	Ca_Kabuli_Chr04	NC_021163.1	40653093	GG	TT	TT	URR	101492432	protein BOBBER 1
SNP_20804B_40653116	Ca_Kabuli_Chr04	NC_021163.1	40653116	CC	AA	AA	URR	101492432	protein BOBBER 1
SNP_20805B_40702056	Ca_Kabuli_Chr04	NC_021163.1	40702056	CC	TT	TT	INTERGENIC		
SNP_20806B_40702074	Ca_Kabuli_Chr04	NC_021163.1	40702074	TT	CC	CC	INTERGENIC		
SNP_20807B_40702215	Ca_Kabuli_Chr04	NC_021163.1	40702215	TT	CC	CC	INTERGENIC		
SNP_20808B_40702232	Ca_Kabuli_Chr04	NC_021163.1	40702232	CC	TT	TT	INTERGENIC		
SNP_20809B_40703141	Ca_Kabuli_Chr04	NC_021163.1	40703141	TT	CC	CC	INTERGENIC		
SNP_20810B_40704137	Ca_Kabuli_Chr04	NC_021163.1	40704137	TT	CC	CC	INTERGENIC		
SNP_20811B_40708045	Ca_Kabuli_Chr04	NC_021163.1	40708045	GG	AA	AA	INTRON	101499063	histone-lysine N-methyltransferase ATX5-like
SNP_20812B_40717742	Ca_Kabuli_Chr04	NC_021163.1	40717742	GG	AA	AA	INTERGENIC		
SNP_20813B_40728475	Ca_Kabuli_Chr04	NC_021163.1	40728475	TT	GG	GG	URR	101499376	signal peptide peptidase-like
SNP_20814B_40728509	Ca_Kabuli_Chr04	NC_021163.1	40728509	CC	TT	TT	URR	101499376	signal peptide peptidase-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_20815B_40729690	Ca_Kabuli_Chr04	NC_021163.1	40729690	CC	GG	GG	URR	101499376	signal peptide peptidase-like
SNP_20816B_40729915	Ca_Kabuli_Chr04	NC_021163.1	40729915	GG	AA	AA	URR	101499376	signal peptide peptidase-like
SNP_20817B_40729918	Ca_Kabuli_Chr04	NC_021163.1	40729918	GG	TT	TT	URR	101499376	signal peptide peptidase-like
SNP_20818B_40730213	Ca_Kabuli_Chr04	NC_021163.1	40730213	GG	AA	AA	INTERGENIC		
SNP_20819B_40730225	Ca_Kabuli_Chr04	NC_021163.1	40730225	AA	GG	GG	INTERGENIC		
SNP_20820B_40730260	Ca_Kabuli_Chr04	NC_021163.1	40730260	CC	TT	TT	INTERGENIC		
SNP_20821B_40731810	Ca_Kabuli_Chr04	NC_021163.1	40731810	AA	GG	GG	DRR	101499684	uncharacterized LOC101499684
SNP_20822B_40732224	Ca_Kabuli_Chr04	NC_021163.1	40732224	AA	CC	CC	INTRON	101499684	uncharacterized LOC101499684
SNP_20823B_40733575	Ca_Kabuli_Chr04	NC_021163.1	40733575	AA	TT	TT	INTERGENIC		
SNP_20824B_40737462	Ca_Kabuli_Chr04	NC_021163.1	40737462	AA	TT	TT	INTERGENIC		
SNP_20825B_40738402	Ca_Kabuli_Chr04	NC_021163.1	40738402	TT	AA	AA	DRR	101499995	pentatricopeptide repeat-containing protein At5g25630-like
SNP_20826B_40746765	Ca_Kabuli_Chr04	NC_021163.1	40746765	GG	AA	AA	INTERGENIC		
SNP_20827B_40746793	Ca_Kabuli_Chr04	NC_021163.1	40746793	TT	CC	CC	INTERGENIC		
SNP_20828B_40749658	Ca_Kabuli_Chr04	NC_021163.1	40749658	GG	AA	AA	DRR	101500852	pentatricopeptide repeat-containing protein At2g30780-like
SNP_20829B_40749662	Ca_Kabuli_Chr04	NC_021163.1	40749662	TT	CC	CC	DRR	101500852	pentatricopeptide repeat-containing protein At2g30780-like
SNP_20830B_40749675	Ca_Kabuli_Chr04	NC_021163.1	40749675	CC	TT	TT	DRR	101500852	pentatricopeptide repeat-containing protein At2g30780-like
SNP_20831B_40749676	Ca_Kabuli_Chr04	NC_021163.1	40749676	TT	CC	CC	DRR	101500852	pentatricopeptide repeat-containing protein At2g30780-like
SNP_20832B_40751000	Ca_Kabuli_Chr04	NC_021163.1	40751000	TT	CC	CC	INTERGENIC		
SNP_20833B_40754010	Ca_Kabuli_Chr04	NC_021163.1	40754010	TT	CC	CC	URR	101500852	pentatricopeptide repeat-containing protein At2g30780-like
SNP_20834B_40761315	Ca_Kabuli_Chr04	NC_021163.1	40761315	AA	TT	TT	INTERGENIC		
SNP_20835B_40761320	Ca_Kabuli_Chr04	NC_021163.1	40761320	AA	CC	CC	INTERGENIC		
SNP_20836B_40761323	Ca_Kabuli_Chr04	NC_021163.1	40761323	AA	TT	TT	INTERGENIC		
SNP_20838B_40764008	Ca_Kabuli_Chr04	NC_021163.1	40764008	AA	GG	GG	INTERGENIC		
SNP_20839B_40765401	Ca_Kabuli_Chr04	NC_021163.1	40765401	GG	AA	AA	DRR	101501498	indole-3-pyruvate monooxygenase YUCCA6-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_20840B_40765412	Ca_Kabuli_Chr04	NC_021163.1	40765412	AA	GG	GG	DRR	101501498	indole-3-pyruvate monooxygenase YUCCA6-like
SNP_20841B_40767261	Ca_Kabuli_Chr04	NC_021163.1	40767261	AA	TT	TT	INTRON	101501498	indole-3-pyruvate monooxygenase YUCCA6-like
SNP_20842B_40767283	Ca_Kabuli_Chr04	NC_021163.1	40767283	CC	GG	GG	INTRON	101501498	indole-3-pyruvate monooxygenase YUCCA6-like
SNP_20843B_40772988	Ca_Kabuli_Chr04	NC_021163.1	40772988	CC	GG	GG	URR	101501498	indole-3-pyruvate monooxygenase YUCCA6-like
SNP_20844B_40772993	Ca_Kabuli_Chr04	NC_021163.1	40772993	GG	AA	AA	URR	101501498	indole-3-pyruvate monooxygenase YUCCA6-like
SNP_20845B_40773239	Ca_Kabuli_Chr04	NC_021163.1	40773239	CC	TT	TT	URR	101501498	indole-3-pyruvate monooxygenase YUCCA6-like
SNP_20846B_40773254	Ca_Kabuli_Chr04	NC_021163.1	40773254	GG	AA	AA	INTERGENIC		
SNP_20847B_40773259	Ca_Kabuli_Chr04	NC_021163.1	40773259	GG	TT	TT	INTERGENIC		
SNP_20848B_40773273	Ca_Kabuli_Chr04	NC_021163.1	40773273	AA	GG	GG	INTERGENIC		
SNP_20849B_40773294	Ca_Kabuli_Chr04	NC_021163.1	40773294	GG	AA	AA	INTERGENIC		
SNP_20850B_40777655	Ca_Kabuli_Chr04	NC_021163.1	40777655	TT	AA	AA	INTERGENIC		
SNP_20851B_40777681	Ca_Kabuli_Chr04	NC_021163.1	40777681	GG	AA	AA	INTERGENIC		
SNP_20852B_40778095	Ca_Kabuli_Chr04	NC_021163.1	40778095	TT	CC	CC	INTERGENIC		
SNP_20853B_40778134	Ca_Kabuli_Chr04	NC_021163.1	40778134	CC	GG	GG	INTERGENIC		
SNP_20854B_40778884	Ca_Kabuli_Chr04	NC_021163.1	40778884	GG	AA	AA	INTERGENIC		
SNP_20855B_40781881	Ca_Kabuli_Chr04	NC_021163.1	40781881	GG	TT	TT	INTERGENIC		
SNP_20856B_40781891	Ca_Kabuli_Chr04	NC_021163.1	40781891	GG	AA	AA	INTERGENIC		
SNP_20857B_40781928	Ca_Kabuli_Chr04	NC_021163.1	40781928	AA	CC	CC	INTERGENIC		
SNP_20858B_40787980	Ca_Kabuli_Chr04	NC_021163.1	40787980	GG	AA	AA	INTERGENIC		
SNP_20859B_40797846	Ca_Kabuli_Chr04	NC_021163.1	40797846	AA	GG	GG	INTERGENIC		
SNP_20860B_40802335	Ca_Kabuli_Chr04	NC_021163.1	40802335	TT	AA	AA	INTRON	101501811	helicase and polymerase-containing protein TEBICHI
SNP_20861B_40803646	Ca_Kabuli_Chr04	NC_021163.1	40803646	TT	GG	GG	INTRON	101501811	helicase and polymerase-containing protein TEBICHI
SNP_20862B_40803799	Ca_Kabuli_Chr04	NC_021163.1	40803799	GG	TT	TT	INTRON	101501811	helicase and polymerase-containing protein TEBICHI
SNP_20863B_40804861	Ca_Kabuli_Chr04	NC_021163.1	40804861	TT	CC	CC	INTRON	101501811	helicase and polymerase-containing protein TEBICHI

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_20864B_40805835	Ca_Kabuli_Chr04	NC_021163.1	40805835	AA	CC	CC	INTRON	101501811	helicase and polymerase-containing protein TEBICHI
SNP_20865B_40805839	Ca_Kabuli_Chr04	NC_021163.1	40805839	CC	TT	TT	INTRON	101501811	helicase and polymerase-containing protein TEBICHI
SNP_20866B_40808873	Ca_Kabuli_Chr04	NC_021163.1	40808873	GG	AA	AA	INTRON	101501811	helicase and polymerase-containing protein TEBICHI
SNP_20867B_40809006	Ca_Kabuli_Chr04	NC_021163.1	40809006	AA	GG	GG	SYNONYMOUS_CODING	101501811	helicase and polymerase-containing protein TEBICHI
SNP_20868B_40809304	Ca_Kabuli_Chr04	NC_021163.1	40809304	AA	GG	GG	INTRON	101501811	helicase and polymerase-containing protein TEBICHI
SNP_20869B_40812029	Ca_Kabuli_Chr04	NC_021163.1	40812029	TT	GG	GG	INTRON	101501811	helicase and polymerase-containing protein TEBICHI
SNP_20871B_40827520	Ca_Kabuli_Chr04	NC_021163.1	40827520	AA	GG	GG	INTRON	101503071	uncharacterized LOC101503071
SNP_20872B_40829302	Ca_Kabuli_Chr04	NC_021163.1	40829302	GG	AA	AA	INTRON	101503071	uncharacterized LOC101503071
SNP_20873B_40829652	Ca_Kabuli_Chr04	NC_021163.1	40829652	TT	CC	CC	INTRON	101503071	uncharacterized LOC101503071
SNP_20874B_40838339	Ca_Kabuli_Chr04	NC_021163.1	40838339	AA	GG	GG	INTERGENIC		
SNP_20875B_40838999	Ca_Kabuli_Chr04	NC_021163.1	40838999	TT	GG	GG	INTERGENIC		
SNP_20876B_40839005	Ca_Kabuli_Chr04	NC_021163.1	40839005	AA	CC	CC	INTERGENIC		
SNP_20877B_40841182	Ca_Kabuli_Chr04	NC_021163.1	40841182	AA	GG	GG	DRR	101502452	uncharacterized LOC101502452
SNP_20878B_40841449	Ca_Kabuli_Chr04	NC_021163.1	40841449	TT	CC	CC	DRR	101502452	uncharacterized LOC101502452
SNP_20879B_40841477	Ca_Kabuli_Chr04	NC_021163.1	40841477	TT	AA	AA	DRR	101502452	uncharacterized LOC101502452
SNP_20882B_40843999	Ca_Kabuli_Chr04	NC_021163.1	40843999	CC	TT	TT	URR	101502452	uncharacterized LOC101502452
SNP_20883B_40848207	Ca_Kabuli_Chr04	NC_021163.1	40848207	AA	GG	GG	INTERGENIC		
SNP_20884B_40880256	Ca_Kabuli_Chr04	NC_021163.1	40880256	CC	AA	AA	DRR	101503733	NAC domain-containing protein 100
SNP_20886B_40880313	Ca_Kabuli_Chr04	NC_021163.1	40880313	CC	TT	TT	DRR	101503733	NAC domain-containing protein 100
SNP_20887B_40886552	Ca_Kabuli_Chr04	NC_021163.1	40886552	AA	GG	GG	INTERGENIC		
SNP_20888B_40892356	Ca_Kabuli_Chr04	NC_021163.1	40892356	GG	TT	TT	INTRON	101493100	elicitor-responsive protein 3-like
SNP_20889B_40893185	Ca_Kabuli_Chr04	NC_021163.1	40893185	AA	TT	TT	URR	101493100	elicitor-responsive protein 3-like
SNP_20890B_40893467	Ca_Kabuli_Chr04	NC_021163.1	40893467	CC	AA	AA	URR	101493100	elicitor-responsive protein 3-like
SNP_20891B_40893469	Ca_Kabuli_Chr04	NC_021163.1	40893469	AA	CC	CC	URR	101493100	elicitor-responsive protein 3-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_20893B_40900608	Ca_Kabuli_Chr04	NC_021163.1	40900608	AA	TT	TT	URR	101493427	transcriptional activator Myb-like
SNP_20894B_40900844	Ca_Kabuli_Chr04	NC_021163.1	40900844	CC	TT	TT	URR	101493427	transcriptional activator Myb-like
SNP_20895B_40914691	Ca_Kabuli_Chr04	NC_021163.1	40914691	CC	GG	GG	INTRON	101504060	uncharacterized LOC101504060
SNP_20896B_40920868	Ca_Kabuli_Chr04	NC_021163.1	40920868	GG	AA	AA	INTERGENIC		
SNP_20897B_40920871	Ca_Kabuli_Chr04	NC_021163.1	40920871	AA	TT	TT	INTERGENIC		
SNP_20898B_40920893	Ca_Kabuli_Chr04	NC_021163.1	40920893	TT	CC	CC	INTERGENIC		
SNP_20899B_40920895	Ca_Kabuli_Chr04	NC_021163.1	40920895	TT	GG	GG	INTERGENIC		
SNP_20900B_40921218	Ca_Kabuli_Chr04	NC_021163.1	40921218	GG	TT	TT	INTERGENIC		
SNP_20901B_40921239	Ca_Kabuli_Chr04	NC_021163.1	40921239	GG	TT	TT	INTERGENIC		
SNP_20902B_40929446	Ca_Kabuli_Chr04	NC_021163.1	40929446	GG	AA	AA	INTRON	101504372	basic leucine zipper 9
SNP_20903B_40929655	Ca_Kabuli_Chr04	NC_021163.1	40929655	CC	AA	AA	INTRON	101504372	basic leucine zipper 9
SNP_20904B_40929674	Ca_Kabuli_Chr04	NC_021163.1	40929674	AA	GG	GG	INTRON	101504372	basic leucine zipper 9
SNP_20905B_40931418	Ca_Kabuli_Chr04	NC_021163.1	40931418	CC	AA	AA	INTRON	101504372	basic leucine zipper 9
SNP_20906B_40934576	Ca_Kabuli_Chr04	NC_021163.1	40934576	CC	TT	TT	URR	101504372	basic leucine zipper 9
SNP_20907B_40937628	Ca_Kabuli_Chr04	NC_021163.1	40937628	AA	GG	GG	INTERGENIC		
SNP_20908B_40947377	Ca_Kabuli_Chr04	NC_021163.1	40947377	GG	TT	TT	INTERGENIC		
SNP_20909B_40949619	Ca_Kabuli_Chr04	NC_021163.1	40949619	CC	TT	TT	INTRON	101505025	uncharacterized LOC101505025
SNP_20910B_40955494	Ca_Kabuli_Chr04	NC_021163.1	40955494	AA	GG	GG	INTERGENIC		
SNP_20911B_40955730	Ca_Kabuli_Chr04	NC_021163.1	40955730	CC	TT	TT	INTERGENIC		
SNP_20912B_40955742	Ca_Kabuli_Chr04	NC_021163.1	40955742	GG	AA	AA	INTERGENIC		
SNP_20913B_40955814	Ca_Kabuli_Chr04	NC_021163.1	40955814	AA	GG	GG	INTERGENIC		
SNP_20914B_40955823	Ca_Kabuli_Chr04	NC_021163.1	40955823	TT	CC	CC	INTERGENIC		
SNP_20915B_40959470	Ca_Kabuli_Chr04	NC_021163.1	40959470	TT	CC	CC	INTERGENIC		
SNP_20916B_40959845	Ca_Kabuli_Chr04	NC_021163.1	40959845	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_20917B_40962565	Ca_Kabuli_Chr04	NC_021163.1	40962565	CC	AA	AA	INTERGENIC		
SNP_20918B_40964373	Ca_Kabuli_Chr04	NC_021163.1	40964373	CC	AA	AA	INTERGENIC		
SNP_20919B_40964714	Ca_Kabuli_Chr04	NC_021163.1	40964714	AA	GG	GG	INTERGENIC		
SNP_20920B_40967393	Ca_Kabuli_Chr04	NC_021163.1	40967393	CC	AA	AA	INTERGENIC		
SNP_20921B_40967863	Ca_Kabuli_Chr04	NC_021163.1	40967863	AA	GG	GG	INTERGENIC		
SNP_20922B_40968705	Ca_Kabuli_Chr04	NC_021163.1	40968705	GG	AA	AA	INTERGENIC		
SNP_20923B_40969350	Ca_Kabuli_Chr04	NC_021163.1	40969350	TT	GG	GG	INTERGENIC		
SNP_20924B_40969383	Ca_Kabuli_Chr04	NC_021163.1	40969383	AA	CC	CC	INTERGENIC		
SNP_20925B_40969626	Ca_Kabuli_Chr04	NC_021163.1	40969626	CC	TT	TT	INTERGENIC		
SNP_20926B_40972093	Ca_Kabuli_Chr04	NC_021163.1	40972093	AA	CC	CC	INTERGENIC		
SNP_20927B_40972115	Ca_Kabuli_Chr04	NC_021163.1	40972115	TT	CC	CC	INTERGENIC		
SNP_20928B_40972172	Ca_Kabuli_Chr04	NC_021163.1	40972172	TT	CC	CC	INTERGENIC		
SNP_20929B_40972359	Ca_Kabuli_Chr04	NC_021163.1	40972359	TT	CC	CC	INTERGENIC		
SNP_20930B_40975925	Ca_Kabuli_Chr04	NC_021163.1	40975925	CC	TT	TT	INTERGENIC		
SNP_20932B_40982388	Ca_Kabuli_Chr04	NC_021163.1	40982388	TT	GG	GG	INTERGENIC		
SNP_20933B_40982419	Ca_Kabuli_Chr04	NC_021163.1	40982419	TT	AA	AA	INTERGENIC		
SNP_20934B_40982420	Ca_Kabuli_Chr04	NC_021163.1	40982420	TT	CC	CC	INTERGENIC		
SNP_20935B_40982478	Ca_Kabuli_Chr04	NC_021163.1	40982478	CC	TT	TT	INTERGENIC		
SNP_20936B_40988747	Ca_Kabuli_Chr04	NC_021163.1	40988747	TT	GG	GG	INTERGENIC		
SNP_20937B_40989412	Ca_Kabuli_Chr04	NC_021163.1	40989412	AA	TT	TT	INTERGENIC		
SNP_20938B_40995115	Ca_Kabuli_Chr04	NC_021163.1	40995115	TT	CC	CC	INTERGENIC		
SNP_20939B_40997480	Ca_Kabuli_Chr04	NC_021163.1	40997480	CC	GG	GG	INTERGENIC		
SNP_20940B_41010100	Ca_Kabuli_Chr04	NC_021163.1	41010100	TT	AA	AA	INTERGENIC		
SNP_20943B_41126152	Ca_Kabuli_Chr04	NC_021163.1	41126152	AA	TT	TT	INTRON	101508669	serine/arginine-rich splicing factor RSZ22

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_20944B_41126153	Ca_Kabuli_Chr04	NC_021163.1	41126153	AA	TT	TT	INTRON	101508669	serine/arginine-rich splicing factor RSZ22
SNP_20945B_41126156	Ca_Kabuli_Chr04	NC_021163.1	41126156	GG	TT	TT	INTRON	101508669	serine/arginine-rich splicing factor RSZ22
SNP_20947B_41172737	Ca_Kabuli_Chr04	NC_021163.1	41172737	AA	GG	GG	INTERGENIC		
SNP_20948B_41172744	Ca_Kabuli_Chr04	NC_021163.1	41172744	AA	GG	GG	INTERGENIC		
SNP_20951B_41323258	Ca_Kabuli_Chr04	NC_021163.1	41323258	GG	AA	AA	URR	101495008	general transcription factor IIF subunit 2
SNP_20952B_41327864	Ca_Kabuli_Chr04	NC_021163.1	41327864	TT	CC	CC	DRR	101515561	nucleophosmin
SNP_20953B_41379386	Ca_Kabuli_Chr04	NC_021163.1	41379386	AA	GG	GG	URR	101489626	fasciclin-like arabinogalactan protein 3
SNP_20954B_41523723	Ca_Kabuli_Chr04	NC_021163.1	41523723	TT	CC	CC	INTERGENIC		
SNP_20956B_41786255	Ca_Kabuli_Chr04	NC_021163.1	41786255	AA	GG	GG	INTRON	101502453	photosynthetic NDH subunit of subcomplex B 3, chloroplastic
SNP_20957B_41786256	Ca_Kabuli_Chr04	NC_021163.1	41786256	TT	CC	CC	INTRON	101502453	photosynthetic NDH subunit of subcomplex B 3, chloroplastic
SNP_20961B_41806637	Ca_Kabuli_Chr04	NC_021163.1	41806637	TT	AA	AA	INTRON	101503293	gibberellin 3-beta-dioxygenase 1-like
SNP_20962B_41806645	Ca_Kabuli_Chr04	NC_021163.1	41806645	CC	TT	TT	INTRON	101503293	gibberellin 3-beta-dioxygenase 1-like
SNP_20963B_41806670	Ca_Kabuli_Chr04	NC_021163.1	41806670	CC	TT	TT	INTRON	101503293	gibberellin 3-beta-dioxygenase 1-like
SNP_20964B_41814644	Ca_Kabuli_Chr04	NC_021163.1	41814644	GG	AA	AA	INTERGENIC		
SNP_20965B_41814654	Ca_Kabuli_Chr04	NC_021163.1	41814654	AA	GG	GG	INTERGENIC		
SNP_20966B_41823453	Ca_Kabuli_Chr04	NC_021163.1	41823453	CC	TT	TT	INTERGENIC		
SNP_20968B_41824003	Ca_Kabuli_Chr04	NC_021163.1	41824003	TT	CC	CC	INTERGENIC		
SNP_20969B_41825801	Ca_Kabuli_Chr04	NC_021163.1	41825801	GG	AA	AA	URR	101498613	uncharacterized LOC101498613
SNP_20970B_41830207	Ca_Kabuli_Chr04	NC_021163.1	41830207	CC	GG	GG	INTERGENIC		
SNP_20972B_41905041	Ca_Kabuli_Chr04	NC_021163.1	41905041	GG	CC	CC	INTERGENIC		
SNP_20973B_41912472	Ca_Kabuli_Chr04	NC_021163.1	41912472	AA	GG	GG	INTERGENIC		
SNP_20974B_41925475	Ca_Kabuli_Chr04	NC_021163.1	41925475	CC	TT	TT	URR	101504810	pleiotropic drug resistance protein 1-like
SNP_20975B_41985657	Ca_Kabuli_Chr04	NC_021163.1	41985657	AA	GG	GG	DRR	101507294	probable histone H2A variant 3
SNP_20976B_42016625	Ca_Kabuli_Chr04	NC_021163.1	42016625	GG	TT	TT	URR	101508456	cytochrome b-c1 complex subunit 7-2-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_20977B_42034865	Ca_Kabuli_Chr04	NC_021163.1	42034865	TT	AA	AA	INTERGENIC		
SNP_20978B_42034874	Ca_Kabuli_Chr04	NC_021163.1	42034874	TT	AA	AA	INTERGENIC		
SNP_20979B_42034875	Ca_Kabuli_Chr04	NC_021163.1	42034875	AA	TT	TT	INTERGENIC		
SNP_20980B_42034876	Ca_Kabuli_Chr04	NC_021163.1	42034876	TT	AA	AA	INTERGENIC		
SNP_20981B_42078518	Ca_Kabuli_Chr04	NC_021163.1	42078518	GG	AA	AA	DRR	101500538	exopolygalacturonase-like
SNP_20982B_42078713	Ca_Kabuli_Chr04	NC_021163.1	42078713	TT	AA	AA	DRR	101500538	exopolygalacturonase-like
SNP_20983B_42078837	Ca_Kabuli_Chr04	NC_021163.1	42078837	TT	CC	CC	DRR	101500538	exopolygalacturonase-like
SNP_20984B_42083393	Ca_Kabuli_Chr04	NC_021163.1	42083393	AA	TT	TT	INTRON	101500538	exopolygalacturonase-like
SNP_20985B_42083506	Ca_Kabuli_Chr04	NC_021163.1	42083506	AA	GG	GG	INTERGENIC		
SNP_20986B_42083770	Ca_Kabuli_Chr04	NC_021163.1	42083770	TT	CC	CC	INTERGENIC		
SNP_20987B_42083840	Ca_Kabuli_Chr04	NC_021163.1	42083840	GG	AA	AA	INTERGENIC		
SNP_20988B_42117783	Ca_Kabuli_Chr04	NC_021163.1	42117783	CC	AA	AA	DRR	101500853	probable polygalacturonase At3g15720
SNP_20989B_42119016	Ca_Kabuli_Chr04	NC_021163.1	42119016	AA	CC	CC	URR	101511128	pentatricopeptide repeat-containing protein At4g21065-like
SNP_20990B_42119020	Ca_Kabuli_Chr04	NC_021163.1	42119020	TT	AA	AA	URR	101511128	pentatricopeptide repeat-containing protein At4g21065-like
SNP_20991B_42119024	Ca_Kabuli_Chr04	NC_021163.1	42119024	CC	TT	TT	URR	101511128	pentatricopeptide repeat-containing protein At4g21065-like
SNP_20992B_42119025	Ca_Kabuli_Chr04	NC_021163.1	42119025	CC	TT	TT	URR	101511128	pentatricopeptide repeat-containing protein At4g21065-like
SNP_20993B_42119027	Ca_Kabuli_Chr04	NC_021163.1	42119027	CC	GG	GG	URR	101511128	pentatricopeptide repeat-containing protein At4g21065-like
SNP_20994B_42119062	Ca_Kabuli_Chr04	NC_021163.1	42119062	AA	GG	GG	URR	101511128	pentatricopeptide repeat-containing protein At4g21065-like
SNP_20995B_42119194	Ca_Kabuli_Chr04	NC_021163.1	42119194	TT	CC	CC	URR	101511128	pentatricopeptide repeat-containing protein At4g21065-like
SNP_20996B_42119269	Ca_Kabuli_Chr04	NC_021163.1	42119269	CC	TT	TT	URR	101511128	pentatricopeptide repeat-containing protein At4g21065-like
SNP_20997B_42119401	Ca_Kabuli_Chr04	NC_021163.1	42119401	CC	GG	GG	URR	101511128	pentatricopeptide repeat-containing protein At4g21065-like
SNP_20998B_42119423	Ca_Kabuli_Chr04	NC_021163.1	42119423	GG	AA	AA	URR	101511128	pentatricopeptide repeat-containing protein At4g21065-like
SNP_20999B_42119513	Ca_Kabuli_Chr04	NC_021163.1	42119513	TT	GG	GG	URR	101511128	pentatricopeptide repeat-containing protein At4g21065-like
SNP_21000B_42119704	Ca_Kabuli_Chr04	NC_021163.1	42119704	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_21001B_42119716	Ca_Kabuli_Chr04	NC_021163.1	42119716	GG	AA	AA	INTERGENIC		
SNP_21002B_42119757	Ca_Kabuli_Chr04	NC_021163.1	42119757	GG	AA	AA	INTERGENIC		
SNP_21003B_42119889	Ca_Kabuli_Chr04	NC_021163.1	42119889	AA	CC	CC	INTERGENIC		
SNP_21004B_42119936	Ca_Kabuli_Chr04	NC_021163.1	42119936	GG	CC	CC	INTERGENIC		
SNP_21005B_42119945	Ca_Kabuli_Chr04	NC_021163.1	42119945	TT	AA	AA	INTERGENIC		
SNP_21006B_42120012	Ca_Kabuli_Chr04	NC_021163.1	42120012	CC	GG	GG	INTERGENIC		
SNP_21007B_42120055	Ca_Kabuli_Chr04	NC_021163.1	42120055	AA	GG	GG	INTERGENIC		
SNP_21008B_42120201	Ca_Kabuli_Chr04	NC_021163.1	42120201	GG	CC	CC	INTERGENIC		
SNP_21009B_42120202	Ca_Kabuli_Chr04	NC_021163.1	42120202	GG	TT	TT	INTERGENIC		
SNP_21010B_42120203	Ca_Kabuli_Chr04	NC_021163.1	42120203	AA	GG	GG	INTERGENIC		
SNP_21011B_42120236	Ca_Kabuli_Chr04	NC_021163.1	42120236	TT	CC	CC	INTERGENIC		
SNP_21012B_42120295	Ca_Kabuli_Chr04	NC_021163.1	42120295	AA	GG	GG	INTERGENIC		
SNP_21013B_42120323	Ca_Kabuli_Chr04	NC_021163.1	42120323	AA	GG	GG	INTERGENIC		
SNP_21014B_42120377	Ca_Kabuli_Chr04	NC_021163.1	42120377	GG	AA	AA	INTERGENIC		
SNP_21015B_42120426	Ca_Kabuli_Chr04	NC_021163.1	42120426	AA	GG	GG	INTERGENIC		
SNP_21017B_42120452	Ca_Kabuli_Chr04	NC_021163.1	42120452	TT	CC	CC	INTERGENIC		
SNP_21018B_42120505	Ca_Kabuli_Chr04	NC_021163.1	42120505	GG	AA	AA	INTERGENIC		
SNP_21020B_42147955	Ca_Kabuli_Chr04	NC_021163.1	42147955	TT	AA	AA	INTERGENIC		
SNP_21021B_42147961	Ca_Kabuli_Chr04	NC_021163.1	42147961	TT	CC	CC	INTERGENIC		
SNP_21022B_42148089	Ca_Kabuli_Chr04	NC_021163.1	42148089	AA	TT	TT	INTERGENIC		
SNP_21023B_42148102	Ca_Kabuli_Chr04	NC_021163.1	42148102	AA	GG	GG	INTERGENIC		
SNP_21024B_42148118	Ca_Kabuli_Chr04	NC_021163.1	42148118	AA	GG	GG	INTERGENIC		
SNP_21025B_42148119	Ca_Kabuli_Chr04	NC_021163.1	42148119	TT	CC	CC	INTERGENIC		
SNP_21026B_42148121	Ca_Kabuli_Chr04	NC_021163.1	42148121	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_21027B_42148122	Ca_Kabuli_Chr04	NC_021163.1	42148122	TT	AA	AA	INTERGENIC		
SNP_21028B_42148229	Ca_Kabuli_Chr04	NC_021163.1	42148229	TT	CC	CC	INTERGENIC		
SNP_21029B_42259780	Ca_Kabuli_Chr04	NC_021163.1	42259780	TT	GG	GG	INTERGENIC		
SNP_21030B_42259788	Ca_Kabuli_Chr04	NC_021163.1	42259788	AA	GG	GG	INTERGENIC		
SNP_21031B_42259802	Ca_Kabuli_Chr04	NC_021163.1	42259802	TT	GG	GG	INTERGENIC		
SNP_21032B_42285380	Ca_Kabuli_Chr04	NC_021163.1	42285380	TT	AA	AA	INTERGENIC		
SNP_21033B_42286597	Ca_Kabuli_Chr04	NC_021163.1	42286597	GG	CC	CC	INTERGENIC		
SNP_21034B_42305917	Ca_Kabuli_Chr04	NC_021163.1	42305917	GG	AA	AA	INTERGENIC		
SNP_21035B_42306150	Ca_Kabuli_Chr04	NC_021163.1	42306150	GG	AA	AA	INTERGENIC		
SNP_21036B_42306221	Ca_Kabuli_Chr04	NC_021163.1	42306221	AA	GG	GG	INTERGENIC		
SNP_21037B_42355726	Ca_Kabuli_Chr04	NC_021163.1	42355726	GG	TT	TT	INTERGENIC		
SNP_21038B_42355728	Ca_Kabuli_Chr04	NC_021163.1	42355728	TT	CC	CC	INTERGENIC		
SNP_21039B_42407140	Ca_Kabuli_Chr04	NC_021163.1	42407140	AA	GG	GG	INTERGENIC		
SNP_21040B_42407151	Ca_Kabuli_Chr04	NC_021163.1	42407151	TT	CC	CC	INTERGENIC		
SNP_21041B_42407455	Ca_Kabuli_Chr04	NC_021163.1	42407455	CC	GG	GG	INTERGENIC		
SNP_21042B_42439297	Ca_Kabuli_Chr04	NC_021163.1	42439297	AA	CC	CC	INTERGENIC		
SNP_21043B_42514032	Ca_Kabuli_Chr04	NC_021163.1	42514032	TT	AA	AA	URR	101489954	E3 ubiquitin-protein ligase KEG
SNP_21044B_42516755	Ca_Kabuli_Chr04	NC_021163.1	42516755	TT	CC	CC	INTERGENIC		
SNP_21045B_42516759	Ca_Kabuli_Chr04	NC_021163.1	42516759	AA	GG	GG	INTERGENIC		
SNP_21046B_42517079	Ca_Kabuli_Chr04	NC_021163.1	42517079	AA	GG	GG	INTERGENIC		
SNP_21047B_42517101	Ca_Kabuli_Chr04	NC_021163.1	42517101	CC	AA	AA	INTERGENIC		
SNP_21049B_42546825	Ca_Kabuli_Chr04	NC_021163.1	42546825	AA	CC	CC	INTERGENIC		
SNP_21050B_42546842	Ca_Kabuli_Chr04	NC_021163.1	42546842	TT	GG	GG	INTERGENIC		
SNP_21052B_42561382	Ca_Kabuli_Chr04	NC_021163.1	42561382	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_21054B_42580703	Ca_Kabuli_Chr04	NC_021163.1	42580703	AA	CC	CC	INTERGENIC		
SNP_21055B_42588557	Ca_Kabuli_Chr04	NC_021163.1	42588557	TT	CC	CC	INTERGENIC		
SNP_21056B_42588937	Ca_Kabuli_Chr04	NC_021163.1	42588937	CC	TT	TT	INTERGENIC		
SNP_21057B_42589453	Ca_Kabuli_Chr04	NC_021163.1	42589453	GG	AA	AA	INTERGENIC		
SNP_21058B_42609857	Ca_Kabuli_Chr04	NC_021163.1	42609857	AA	GG	GG	INTERGENIC		
SNP_21059B_42704777	Ca_Kabuli_Chr04	NC_021163.1	42704777	GG	AA	AA	INTERGENIC		
SNP_21060B_42807957	Ca_Kabuli_Chr04	NC_021163.1	42807957	AA	GG	GG	INTERGENIC		
SNP_21061B_42820788	Ca_Kabuli_Chr04	NC_021163.1	42820788	GG	AA	AA	INTERGENIC		
SNP_21062B_42820848	Ca_Kabuli_Chr04	NC_021163.1	42820848	TT	GG	GG	INTERGENIC		
SNP_21063B_42821106	Ca_Kabuli_Chr04	NC_021163.1	42821106	GG	AA	AA	INTERGENIC		
SNP_21064B_42821130	Ca_Kabuli_Chr04	NC_021163.1	42821130	AA	CC	CC	INTERGENIC		
SNP_21065B_42821250	Ca_Kabuli_Chr04	NC_021163.1	42821250	CC	TT	TT	INTERGENIC		
SNP_21066B_42829258	Ca_Kabuli_Chr04	NC_021163.1	42829258	TT	CC	CC	INTERGENIC		
SNP_21067B_42829263	Ca_Kabuli_Chr04	NC_021163.1	42829263	CC	TT	TT	INTERGENIC		
SNP_21068B_42829265	Ca_Kabuli_Chr04	NC_021163.1	42829265	AA	GG	GG	INTERGENIC		
SNP_21069B_42829370	Ca_Kabuli_Chr04	NC_021163.1	42829370	AA	TT	TT	INTERGENIC		
SNP_21070B_42829662	Ca_Kabuli_Chr04	NC_021163.1	42829662	CC	TT	TT	INTERGENIC		
SNP_21071B_42829710	Ca_Kabuli_Chr04	NC_021163.1	42829710	TT	CC	CC	INTERGENIC		
SNP_21072B_42829720	Ca_Kabuli_Chr04	NC_021163.1	42829720	TT	CC	CC	INTERGENIC		
SNP_21073B_42845599	Ca_Kabuli_Chr04	NC_021163.1	42845599	AA	GG	GG	INTERGENIC		
SNP_21074B_42889032	Ca_Kabuli_Chr04	NC_021163.1	42889032	CC	AA	AA	INTERGENIC		
SNP_21075B_42892620	Ca_Kabuli_Chr04	NC_021163.1	42892620	TT	AA	AA	INTERGENIC		
SNP_21076B_42893382	Ca_Kabuli_Chr04	NC_021163.1	42893382	TT	AA	AA	INTERGENIC		
SNP_21077B_42893394	Ca_Kabuli_Chr04	NC_021163.1	42893394	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_21078B_42893400	Ca_Kabuli_Chr04	NC_021163.1	42893400	GG	AA	AA	INTERGENIC		
SNP_21079B_42904493	Ca_Kabuli_Chr04	NC_021163.1	42904493	TT	AA	AA	INTERGENIC		
SNP_21080B_42915842	Ca_Kabuli_Chr04	NC_021163.1	42915842	CC	TT	TT	INTERGENIC		
SNP_21081B_42947345	Ca_Kabuli_Chr04	NC_021163.1	42947345	CC	TT	TT	INTERGENIC		
SNP_21082B_42947372	Ca_Kabuli_Chr04	NC_021163.1	42947372	AA	CC	CC	INTERGENIC		
SNP_21083B_42947736	Ca_Kabuli_Chr04	NC_021163.1	42947736	CC	TT	TT	INTERGENIC		
SNP_21084B_42973891	Ca_Kabuli_Chr04	NC_021163.1	42973891	GG	AA	AA	INTERGENIC		
SNP_21085B_42973919	Ca_Kabuli_Chr04	NC_021163.1	42973919	CC	TT	TT	INTERGENIC		
SNP_21086B_42992337	Ca_Kabuli_Chr04	NC_021163.1	42992337	AA	GG	GG	INTERGENIC		
SNP_21087B_43001887	Ca_Kabuli_Chr04	NC_021163.1	43001887	TT	GG	GG	INTERGENIC		
SNP_21088B_43001898	Ca_Kabuli_Chr04	NC_021163.1	43001898	TT	AA	AA	INTERGENIC		
SNP_21089B_43002184	Ca_Kabuli_Chr04	NC_021163.1	43002184	AA	GG	GG	INTERGENIC		
SNP_21090B_43002200	Ca_Kabuli_Chr04	NC_021163.1	43002200	CC	TT	TT	INTERGENIC		
SNP_21091B_43002309	Ca_Kabuli_Chr04	NC_021163.1	43002309	AA	TT	TT	INTERGENIC		
SNP_21092B_43002331	Ca_Kabuli_Chr04	NC_021163.1	43002331	AA	TT	TT	INTERGENIC		
SNP_21093B_43002341	Ca_Kabuli_Chr04	NC_021163.1	43002341	TT	AA	AA	INTERGENIC		
SNP_21094B_43002348	Ca_Kabuli_Chr04	NC_021163.1	43002348	TT	AA	AA	INTERGENIC		
SNP_21095B_43002349	Ca_Kabuli_Chr04	NC_021163.1	43002349	AA	TT	TT	INTERGENIC		
SNP_21096B_43002611	Ca_Kabuli_Chr04	NC_021163.1	43002611	TT	CC	CC	INTERGENIC		
SNP_21097B_43005274	Ca_Kabuli_Chr04	NC_021163.1	43005274	GG	AA	AA	INTERGENIC		
SNP_21098B_43006059	Ca_Kabuli_Chr04	NC_021163.1	43006059	GG	TT	TT	INTERGENIC		
SNP_21099B_43006101	Ca_Kabuli_Chr04	NC_021163.1	43006101	GG	AA	AA	INTERGENIC		
SNP_21100B_43006177	Ca_Kabuli_Chr04	NC_021163.1	43006177	AA	TT	TT	INTERGENIC		
SNP_21101B_43006195	Ca_Kabuli_Chr04	NC_021163.1	43006195	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_21102B_43006199	Ca_Kabuli_Chr04	NC_021163.1	43006199	TT	AA	AA	INTERGENIC		
SNP_21103B_43006205	Ca_Kabuli_Chr04	NC_021163.1	43006205	GG	TT	TT	INTERGENIC		
SNP_21104B_43009986	Ca_Kabuli_Chr04	NC_021163.1	43009986	GG	TT	TT	INTERGENIC		
SNP_21105B_43010349	Ca_Kabuli_Chr04	NC_021163.1	43010349	TT	CC	CC	INTERGENIC		
SNP_21106B_43010356	Ca_Kabuli_Chr04	NC_021163.1	43010356	GG	AA	AA	INTERGENIC		
SNP_21107B_43010371	Ca_Kabuli_Chr04	NC_021163.1	43010371	GG	AA	AA	INTERGENIC		
SNP_21108B_43010396	Ca_Kabuli_Chr04	NC_021163.1	43010396	GG	AA	AA	INTERGENIC		
SNP_21109B_43010409	Ca_Kabuli_Chr04	NC_021163.1	43010409	TT	GG	GG	INTERGENIC		
SNP_21110B_43028638	Ca_Kabuli_Chr04	NC_021163.1	43028638	AA	GG	GG	INTERGENIC		
SNP_21111B_43028684	Ca_Kabuli_Chr04	NC_021163.1	43028684	TT	CC	CC	INTERGENIC		
SNP_21112B_43061818	Ca_Kabuli_Chr04	NC_021163.1	43061818	CC	GG	GG	INTERGENIC		
SNP_21113B_43061853	Ca_Kabuli_Chr04	NC_021163.1	43061853	AA	CC	CC	INTERGENIC		
SNP_21114B_43083212	Ca_Kabuli_Chr04	NC_021163.1	43083212	AA	TT	TT	INTERGENIC		
SNP_21115B_43083219	Ca_Kabuli_Chr04	NC_021163.1	43083219	AA	TT	TT	INTERGENIC		
SNP_21116B_43083696	Ca_Kabuli_Chr04	NC_021163.1	43083696	CC	AA	AA	INTERGENIC		
SNP_21117B_43111734	Ca_Kabuli_Chr04	NC_021163.1	43111734	GG	AA	AA	INTERGENIC		
SNP_21118B_43116202	Ca_Kabuli_Chr04	NC_021163.1	43116202	TT	CC	CC	INTERGENIC		
SNP_21119B_43116273	Ca_Kabuli_Chr04	NC_021163.1	43116273	AA	CC	CC	INTERGENIC		
SNP_21120B_43123849	Ca_Kabuli_Chr04	NC_021163.1	43123849	CC	GG	GG	INTERGENIC		
SNP_21121B_43146786	Ca_Kabuli_Chr04	NC_021163.1	43146786	AA	TT	TT	INTERGENIC		
SNP_21122B_43146812	Ca_Kabuli_Chr04	NC_021163.1	43146812	TT	CC	CC	INTERGENIC		
SNP_21123B_43146862	Ca_Kabuli_Chr04	NC_021163.1	43146862	GG	TT	TT	INTERGENIC		
SNP_21124B_43146878	Ca_Kabuli_Chr04	NC_021163.1	43146878	CC	GG	GG	INTERGENIC		
SNP_21125B_43146893	Ca_Kabuli_Chr04	NC_021163.1	43146893	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_21126B_43147715	Ca_Kabuli_Chr04	NC_021163.1	43147715	AA	GG	GG	INTERGENIC		
SNP_21127B_43193191	Ca_Kabuli_Chr04	NC_021163.1	43193191	GG	AA	AA	INTERGENIC		
SNP_21128B_43200277	Ca_Kabuli_Chr04	NC_021163.1	43200277	AA	CC	CC	INTERGENIC		
SNP_21129B_43212036	Ca_Kabuli_Chr04	NC_021163.1	43212036	TT	AA	AA	INTERGENIC		
SNP_21130B_43240566	Ca_Kabuli_Chr04	NC_021163.1	43240566	AA	GG	GG	INTERGENIC		
SNP_21131B_43240667	Ca_Kabuli_Chr04	NC_021163.1	43240667	AA	CC	CC	INTERGENIC		
SNP_21132B_43241011	Ca_Kabuli_Chr04	NC_021163.1	43241011	AA	GG	GG	INTERGENIC		
SNP_21133B_43243610	Ca_Kabuli_Chr04	NC_021163.1	43243610	GG	AA	AA	INTERGENIC		
SNP_21134B_43243646	Ca_Kabuli_Chr04	NC_021163.1	43243646	AA	GG	GG	INTERGENIC		
SNP_21135B_43243713	Ca_Kabuli_Chr04	NC_021163.1	43243713	TT	GG	GG	INTERGENIC		
SNP_21136B_43243945	Ca_Kabuli_Chr04	NC_021163.1	43243945	GG	AA	AA	INTERGENIC		
SNP_21137B_43243984	Ca_Kabuli_Chr04	NC_021163.1	43243984	CC	TT	TT	INTERGENIC		
SNP_21138B_43243990	Ca_Kabuli_Chr04	NC_021163.1	43243990	AA	TT	TT	INTERGENIC		
SNP_21139B_43244008	Ca_Kabuli_Chr04	NC_021163.1	43244008	TT	AA	AA	INTERGENIC		
SNP_21140B_43244018	Ca_Kabuli_Chr04	NC_021163.1	43244018	AA	GG	GG	INTERGENIC		
SNP_21141B_43268543	Ca_Kabuli_Chr04	NC_021163.1	43268543	AA	CC	CC	INTRON	101508457	uncharacterized LOC101508457
SNP_21142B_43274576	Ca_Kabuli_Chr04	NC_021163.1	43274576	CC	TT	TT	INTRON	101508457	uncharacterized LOC101508457
SNP_21143B_43274785	Ca_Kabuli_Chr04	NC_021163.1	43274785	TT	CC	CC	INTRON	101508457	uncharacterized LOC101508457
SNP_21144B_43274786	Ca_Kabuli_Chr04	NC_021163.1	43274786	CC	AA	AA	INTRON	101508457	uncharacterized LOC101508457
SNP_21145B_43274792	Ca_Kabuli_Chr04	NC_021163.1	43274792	CC	TT	TT	INTRON	101508457	uncharacterized LOC101508457
SNP_21146B_43274798	Ca_Kabuli_Chr04	NC_021163.1	43274798	GG	AA	AA	INTRON	101508457	uncharacterized LOC101508457
SNP_21147B_43274816	Ca_Kabuli_Chr04	NC_021163.1	43274816	GG	AA	AA	INTRON	101508457	uncharacterized LOC101508457
SNP_21148B_43274849	Ca_Kabuli_Chr04	NC_021163.1	43274849	GG	AA	AA	INTRON	101508457	uncharacterized LOC101508457
SNP_21149B_43274864	Ca_Kabuli_Chr04	NC_021163.1	43274864	TT	CC	CC	INTRON	101508457	uncharacterized LOC101508457

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_21150B_43274894	Ca_Kabuli_Chr04	NC_021163.1	43274894	CC	TT	TT	INTRON	101508457	uncharacterized LOC101508457
SNP_21151B_43274911	Ca_Kabuli_Chr04	NC_021163.1	43274911	TT	CC	CC	INTRON	101508457	uncharacterized LOC101508457
SNP_21152B_43274912	Ca_Kabuli_Chr04	NC_021163.1	43274912	CC	TT	TT	INTRON	101508457	uncharacterized LOC101508457
SNP_21153B_43274932	Ca_Kabuli_Chr04	NC_021163.1	43274932	TT	CC	CC	INTRON	101508457	uncharacterized LOC101508457
SNP_21154B_43275190	Ca_Kabuli_Chr04	NC_021163.1	43275190	AA	GG	GG	INTRON	101508457	uncharacterized LOC101508457
SNP_21155B_43275206	Ca_Kabuli_Chr04	NC_021163.1	43275206	CC	TT	TT	INTRON	101508457	uncharacterized LOC101508457
SNP_21156B_43275239	Ca_Kabuli_Chr04	NC_021163.1	43275239	TT	CC	CC	INTRON	101508457	uncharacterized LOC101508457
SNP_21157B_43275244	Ca_Kabuli_Chr04	NC_021163.1	43275244	CC	TT	TT	INTRON	101508457	uncharacterized LOC101508457
SNP_21158B_43277404	Ca_Kabuli_Chr04	NC_021163.1	43277404	AA	CC	CC	INTRON	101508457	uncharacterized LOC101508457
SNP_21159B_43278085	Ca_Kabuli_Chr04	NC_021163.1	43278085	GG	AA	AA	INTRON	101508457	uncharacterized LOC101508457
SNP_21160B_43301251	Ca_Kabuli_Chr04	NC_021163.1	43301251	CC	TT	TT	INTERGENIC		
SNP_21161B_43301586	Ca_Kabuli_Chr04	NC_021163.1	43301586	AA	CC	CC	INTERGENIC		
SNP_21162B_43317320	Ca_Kabuli_Chr04	NC_021163.1	43317320	TT	AA	AA	INTRON	101509079	cyclin-SDS
SNP_21163B_43339780	Ca_Kabuli_Chr04	NC_021163.1	43339780	GG	CC	CC	INTRON	101509406	uncharacterized LOC101509406
SNP_21164B_43339811	Ca_Kabuli_Chr04	NC_021163.1	43339811	AA	TT	TT	INTRON	101509406	uncharacterized LOC101509406
SNP_21166B_43346768	Ca_Kabuli_Chr04	NC_021163.1	43346768	AA	CC	CC	INTERGENIC		
SNP_21167B_43357423	Ca_Kabuli_Chr04	NC_021163.1	43357423	AA	CC	CC	SYNONYMOUS_CODING	101506420	probable receptor protein kinase TMK1
SNP_21168B_43369448	Ca_Kabuli_Chr04	NC_021163.1	43369448	TT	CC	CC	INTERGENIC		
SNP_21169B_43372788	Ca_Kabuli_Chr04	NC_021163.1	43372788	AA	GG	GG	INTERGENIC		
SNP_21170B_43373025	Ca_Kabuli_Chr04	NC_021163.1	43373025	CC	TT	TT	INTERGENIC		
SNP_21171B_43399920	Ca_Kabuli_Chr04	NC_021163.1	43399920	GG	AA	AA	INTERGENIC		
SNP_21172B_43399932	Ca_Kabuli_Chr04	NC_021163.1	43399932	TT	CC	CC	INTERGENIC		
SNP_21173B_43409325	Ca_Kabuli_Chr04	NC_021163.1	43409325	TT	CC	CC	INTERGENIC		
SNP_21174B_43409332	Ca_Kabuli_Chr04	NC_021163.1	43409332	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_21175B_43409477	Ca_Kabuli_Chr04	NC_021163.1	43409477	AA	GG	GG	INTERGENIC		
SNP_21176B_43413050	Ca_Kabuli_Chr04	NC_021163.1	43413050	AA	CC	CC	INTERGENIC		
SNP_21177B_43413058	Ca_Kabuli_Chr04	NC_021163.1	43413058	TT	CC	CC	INTERGENIC		
SNP_21178B_43428002	Ca_Kabuli_Chr04	NC_021163.1	43428002	TT	AA	AA	INTERGENIC		
SNP_21179B_43428696	Ca_Kabuli_Chr04	NC_021163.1	43428696	AA	TT	TT	INTERGENIC		
SNP_21180B_43428923	Ca_Kabuli_Chr04	NC_021163.1	43428923	AA	CC	CC	INTERGENIC		
SNP_21181B_43428963	Ca_Kabuli_Chr04	NC_021163.1	43428963	CC	TT	TT	INTERGENIC		
SNP_21182B_43429417	Ca_Kabuli_Chr04	NC_021163.1	43429417	CC	TT	TT	INTERGENIC		
SNP_21183B_43429460	Ca_Kabuli_Chr04	NC_021163.1	43429460	TT	GG	GG	INTERGENIC		
SNP_21184B_43429461	Ca_Kabuli_Chr04	NC_021163.1	43429461	CC	GG	GG	INTERGENIC		
SNP_21185B_43431031	Ca_Kabuli_Chr04	NC_021163.1	43431031	AA	GG	GG	INTERGENIC		
SNP_21186B_43431815	Ca_Kabuli_Chr04	NC_021163.1	43431815	GG	TT	TT	INTERGENIC		
SNP_21187B_43440079	Ca_Kabuli_Chr04	NC_021163.1	43440079	TT	CC	CC	INTRON	101506966	extensin-2-like
SNP_21188B_43440356	Ca_Kabuli_Chr04	NC_021163.1	43440356	GG	TT	TT	INTRON	101506966	extensin-2-like
SNP_21189B_43446203	Ca_Kabuli_Chr04	NC_021163.1	43446203	AA	TT	TT	DRR	101507295	extensin-2-like
SNP_21191B_43460170	Ca_Kabuli_Chr04	NC_021163.1	43460170	AA	GG	GG	INTERGENIC		
SNP_21192B_43468666	Ca_Kabuli_Chr04	NC_021163.1	43468666	AA	CC	CC	URR	101510378	arogenate dehydratase/prephenate dehydratase 2, chloroplastic-like
SNP_21193B_43472852	Ca_Kabuli_Chr04	NC_021163.1	43472852	CC	TT	TT	INTERGENIC		
SNP_21194B_43475040	Ca_Kabuli_Chr04	NC_021163.1	43475040	TT	CC	CC	DRR	101507602	extensin-2-like
SNP_21195B_43475093	Ca_Kabuli_Chr04	NC_021163.1	43475093	GG	TT	TT	DRR	101507602	extensin-2-like
SNP_21196B_43510740	Ca_Kabuli_Chr04	NC_021163.1	43510740	TT	CC	CC	DRR	101511332	transcription factor ABORTED MICROSPORES-like
SNP_21197B_43510916	Ca_Kabuli_Chr04	NC_021163.1	43510916	CC	TT	TT	DRR	101511332	transcription factor ABORTED MICROSPORES-like
SNP_21198B_43511091	Ca_Kabuli_Chr04	NC_021163.1	43511091	TT	CC	CC	DRR	101511332	transcription factor ABORTED MICROSPORES-like
SNP_21199B_43511138	Ca_Kabuli_Chr04	NC_021163.1	43511138	GG	AA	AA	DRR	101511332	transcription factor ABORTED MICROSPORES-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_21201B_43518569	Ca_Kabuli_Chr04	NC_021163.1	43518569	TT	CC	CC	INTRON	101511659	probable ubiquitin-conjugating enzyme E2 23
SNP_21202B_43533278	Ca_Kabuli_Chr04	NC_021163.1	43533278	TT	AA	AA	INTERGENIC		
SNP_21203B_43533662	Ca_Kabuli_Chr04	NC_021163.1	43533662	GG	TT	TT	INTERGENIC		
SNP_21204B_43535093	Ca_Kabuli_Chr04	NC_021163.1	43535093	CC	TT	TT	INTERGENIC		
SNP_21205B_43535113	Ca_Kabuli_Chr04	NC_021163.1	43535113	GG	AA	AA	INTERGENIC		
SNP_21206B_43535205	Ca_Kabuli_Chr04	NC_021163.1	43535205	CC	GG	GG	INTERGENIC		
SNP_21207B_43536329	Ca_Kabuli_Chr04	NC_021163.1	43536329	CC	TT	TT	INTERGENIC		
SNP_21208B_43545777	Ca_Kabuli_Chr04	NC_021163.1	43545777	CC	AA	AA	INTERGENIC		
SNP_21209B_43546882	Ca_Kabuli_Chr04	NC_021163.1	43546882	GG	CC	CC	INTERGENIC		
SNP_21210B_43550014	Ca_Kabuli_Chr04	NC_021163.1	43550014	GG	AA	AA	INTERGENIC		
SNP_21211B_43553696	Ca_Kabuli_Chr04	NC_021163.1	43553696	AA	GG	GG	INTERGENIC		
SNP_21212B_43553701	Ca_Kabuli_Chr04	NC_021163.1	43553701	TT	AA	AA	INTERGENIC		
SNP_21213B_43556630	Ca_Kabuli_Chr04	NC_021163.1	43556630	CC	TT	TT	INTERGENIC		
SNP_21214B_43559153	Ca_Kabuli_Chr04	NC_021163.1	43559153	TT	CC	CC	INTERGENIC		
SNP_21215B_43561094	Ca_Kabuli_Chr04	NC_021163.1	43561094	AA	GG	GG	INTERGENIC		
SNP_21216B_43561433	Ca_Kabuli_Chr04	NC_021163.1	43561433	CC	TT	TT	INTERGENIC		
SNP_21218B_43565669	Ca_Kabuli_Chr04	NC_021163.1	43565669	AA	GG	GG	INTERGENIC		
SNP_21219B_43566444	Ca_Kabuli_Chr04	NC_021163.1	43566444	CC	TT	TT	INTERGENIC		
SNP_21220B_43566918	Ca_Kabuli_Chr04	NC_021163.1	43566918	TT	CC	CC	INTERGENIC		
SNP_21221B_43579433	Ca_Kabuli_Chr04	NC_021163.1	43579433	TT	AA	AA	INTERGENIC		
SNP_21222B_43579481	Ca_Kabuli_Chr04	NC_021163.1	43579481	AA	TT	TT	INTERGENIC		
SNP_21223B_43605201	Ca_Kabuli_Chr04	NC_021163.1	43605201	TT	CC	CC	INTERGENIC		
SNP_21224B_43757371	Ca_Kabuli_Chr04	NC_021163.1	43757371	CC	GG	GG	INTERGENIC		
SNP_21225B_43757413	Ca_Kabuli_Chr04	NC_021163.1	43757413	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_21226B_43757476	Ca_Kabuli_Chr04	NC_021163.1	43757476	TT	CC	CC	INTERGENIC		
SNP_21227B_43757505	Ca_Kabuli_Chr04	NC_021163.1	43757505	AA	GG	GG	INTERGENIC		
SNP_21228B_43819386	Ca_Kabuli_Chr04	NC_021163.1	43819386	AA	GG	GG	DRR	101491143	protein MEMO1
SNP_21229B_43871457	Ca_Kabuli_Chr04	NC_021163.1	43871457	AA	CC	CC	INTERGENIC		
SNP_21230B_44134618	Ca_Kabuli_Chr04	NC_021163.1	44134618	CC	TT	TT	INTERGENIC		
SNP_21231B_44134635	Ca_Kabuli_Chr04	NC_021163.1	44134635	AA	GG	GG	INTERGENIC		
SNP_21232B_44134674	Ca_Kabuli_Chr04	NC_021163.1	44134674	CC	TT	TT	INTERGENIC		
SNP_21233B_44134774	Ca_Kabuli_Chr04	NC_021163.1	44134774	AA	GG	GG	INTERGENIC		
SNP_21234B_44134836	Ca_Kabuli_Chr04	NC_021163.1	44134836	CC	TT	TT	INTERGENIC		
SNP_21235B_44135175	Ca_Kabuli_Chr04	NC_021163.1	44135175	TT	CC	CC	INTERGENIC		
SNP_21236B_44135203	Ca_Kabuli_Chr04	NC_021163.1	44135203	TT	AA	AA	INTERGENIC		
SNP_21237B_44135205	Ca_Kabuli_Chr04	NC_021163.1	44135205	TT	CC	CC	INTERGENIC		
SNP_21238B_44198072	Ca_Kabuli_Chr04	NC_021163.1	44198072	CC	TT	TT	DRR	101506522	WAT1-related protein At5g40240-like
SNP_21239B_44214566	Ca_Kabuli_Chr04	NC_021163.1	44214566	TT	AA	AA	INTERGENIC		
SNP_21240B_44219092	Ca_Kabuli_Chr04	NC_021163.1	44219092	CC	TT	TT	INTERGENIC		
SNP_21241B_44240989	Ca_Kabuli_Chr04	NC_021163.1	44240989	TT	GG	GG	DRR	101507714	3-hydroxyisobutyryl-CoA hydrolase-like protein 2, mitochondrial
SNP_21242B_44247689	Ca_Kabuli_Chr04	NC_021163.1	44247689	GG	AA	AA	URR	101507714	3-hydroxyisobutyryl-CoA hydrolase-like protein 2, mitochondrial
SNP_21243B_44267500	Ca_Kabuli_Chr04	NC_021163.1	44267500	GG	AA	AA	URR	101501499	formin-like protein 18
SNP_21244B_44293924	Ca_Kabuli_Chr04	NC_021163.1	44293924	CC	AA	AA	DRR	101509520	uncharacterized LOC101509520
SNP_21245B_44294073	Ca_Kabuli_Chr04	NC_021163.1	44294073	AA	GG	GG	DRR	101509520	uncharacterized LOC101509520
SNP_21246B_44294440	Ca_Kabuli_Chr04	NC_021163.1	44294440	TT	GG	GG	DRR	101509520	uncharacterized LOC101509520
SNP_21247B_44294514	Ca_Kabuli_Chr04	NC_021163.1	44294514	TT	CC	CC	DRR	101509520	uncharacterized LOC101509520
SNP_21248B_44294595	Ca_Kabuli_Chr04	NC_021163.1	44294595	TT	CC	CC	DRR	101509520	uncharacterized LOC101509520
SNP_21249B_44294621	Ca_Kabuli_Chr04	NC_021163.1	44294621	AA	GG	GG	DRR	101509520	uncharacterized LOC101509520

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_21250B_44294737	Ca_Kabuli_Chr04	NC_021163.1	44294737	TT	CC	CC	DRR	101509520	uncharacterized LOC101509520
SNP_21251B_44295260	Ca_Kabuli_Chr04	NC_021163.1	44295260	CC	TT	TT	INTRON	101509520	uncharacterized LOC101509520
SNP_21252B_44295280	Ca_Kabuli_Chr04	NC_021163.1	44295280	AA	CC	CC	INTRON	101509520	uncharacterized LOC101509520
SNP_21253B_44295325	Ca_Kabuli_Chr04	NC_021163.1	44295325	TT	CC	CC	INTRON	101509520	uncharacterized LOC101509520
SNP_21255B_44383617	Ca_Kabuli_Chr04	NC_021163.1	44383617	GG	AA	AA	DRR	101511660	probable protein phosphatase 2C 59
SNP_21257B_44444484	Ca_Kabuli_Chr04	NC_021163.1	44444484	AA	CC	CC	DRR	101513792	F-box only protein 13
SNP_21258B_44490616	Ca_Kabuli_Chr04	NC_021163.1	44490616	CC	AA	AA	INTERGENIC		
SNP_21259B_44490626	Ca_Kabuli_Chr04	NC_021163.1	44490626	AA	GG	GG	INTERGENIC		
SNP_21260B_44499860	Ca_Kabuli_Chr04	NC_021163.1	44499860	TT	GG	GG	INTERGENIC		
SNP_21261B_44500104	Ca_Kabuli_Chr04	NC_021163.1	44500104	TT	CC	CC	INTERGENIC		
SNP_21262B_44501589	Ca_Kabuli_Chr04	NC_021163.1	44501589	CC	TT	TT	INTERGENIC		
SNP_21263B_44502558	Ca_Kabuli_Chr04	NC_021163.1	44502558	GG	TT	TT	INTERGENIC		
SNP_21264B_44502562	Ca_Kabuli_Chr04	NC_021163.1	44502562	AA	TT	TT	INTERGENIC		
SNP_21265B_44507256	Ca_Kabuli_Chr04	NC_021163.1	44507256	AA	GG	GG	INTERGENIC		
SNP_21266B_44507258	Ca_Kabuli_Chr04	NC_021163.1	44507258	GG	CC	CC	INTERGENIC		
SNP_21267B_44508550	Ca_Kabuli_Chr04	NC_021163.1	44508550	CC	AA	AA	INTERGENIC		
SNP_21268B_44509584	Ca_Kabuli_Chr04	NC_021163.1	44509584	CC	AA	AA	INTERGENIC		
SNP_21269B_44509589	Ca_Kabuli_Chr04	NC_021163.1	44509589	TT	CC	CC	INTERGENIC		
SNP_21270B_44512150	Ca_Kabuli_Chr04	NC_021163.1	44512150	CC	AA	AA	INTERGENIC		
SNP_21271B_44512391	Ca_Kabuli_Chr04	NC_021163.1	44512391	AA	GG	GG	INTERGENIC		
SNP_21272B_44513092	Ca_Kabuli_Chr04	NC_021163.1	44513092	GG	CC	CC	INTERGENIC		
SNP_21273B_44513423	Ca_Kabuli_Chr04	NC_021163.1	44513423	CC	TT	TT	INTERGENIC		
SNP_21274B_44514311	Ca_Kabuli_Chr04	NC_021163.1	44514311	CC	TT	TT	INTERGENIC		
SNP_21275B_44514344	Ca_Kabuli_Chr04	NC_021163.1	44514344	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_21276B_44515060	Ca_Kabuli_Chr04	NC_021163.1	44515060	TT	GG	GG	INTERGENIC		
SNP_21277B_44515063	Ca_Kabuli_Chr04	NC_021163.1	44515063	TT	CC	CC	INTERGENIC		
SNP_21278B_44520962	Ca_Kabuli_Chr04	NC_021163.1	44520962	TT	GG	GG	DRR	101502760	ethylene-responsive transcription factor ERF018-like
SNP_21282B_44529321	Ca_Kabuli_Chr04	NC_021163.1	44529321	TT	GG	GG	INTERGENIC		
SNP_21283B_44529441	Ca_Kabuli_Chr04	NC_021163.1	44529441	CC	TT	TT	INTERGENIC		
SNP_21284B_44532061	Ca_Kabuli_Chr04	NC_021163.1	44532061	AA	CC	CC	INTERGENIC		
SNP_21285B_44540573	Ca_Kabuli_Chr04	NC_021163.1	44540573	GG	TT	TT	URR	101515114	polyadenylate-binding protein-interacting protein 7
SNP_21286B_44540593	Ca_Kabuli_Chr04	NC_021163.1	44540593	CC	TT	TT	URR	101515114	polyadenylate-binding protein-interacting protein 7
SNP_21289B_44542339	Ca_Kabuli_Chr04	NC_021163.1	44542339	GG	AA	AA	INTERGENIC		
SNP_21290B_44543487	Ca_Kabuli_Chr04	NC_021163.1	44543487	GG	CC	CC	INTERGENIC		
SNP_21291B_44543510	Ca_Kabuli_Chr04	NC_021163.1	44543510	AA	GG	GG	INTERGENIC		
SNP_21292B_44543595	Ca_Kabuli_Chr04	NC_021163.1	44543595	TT	AA	AA	INTERGENIC		
SNP_21293B_44543658	Ca_Kabuli_Chr04	NC_021163.1	44543658	CC	TT	TT	INTERGENIC		
SNP_21294B_44543721	Ca_Kabuli_Chr04	NC_021163.1	44543721	GG	AA	AA	INTERGENIC		
SNP_21295B_44543821	Ca_Kabuli_Chr04	NC_021163.1	44543821	CC	TT	TT	INTERGENIC		
SNP_21296B_44543851	Ca_Kabuli_Chr04	NC_021163.1	44543851	CC	AA	AA	INTERGENIC		
SNP_21297B_44543889	Ca_Kabuli_Chr04	NC_021163.1	44543889	TT	CC	CC	INTERGENIC		
SNP_21298B_44543890	Ca_Kabuli_Chr04	NC_021163.1	44543890	AA	GG	GG	INTERGENIC		
SNP_21299B_44543924	Ca_Kabuli_Chr04	NC_021163.1	44543924	GG	AA	AA	INTERGENIC		
SNP_21300B_44543998	Ca_Kabuli_Chr04	NC_021163.1	44543998	GG	AA	AA	INTERGENIC		
SNP_21301B_44545065	Ca_Kabuli_Chr04	NC_021163.1	44545065	TT	AA	AA	INTERGENIC		
SNP_21302B_44545089	Ca_Kabuli_Chr04	NC_021163.1	44545089	TT	CC	CC	INTERGENIC		
SNP_21303B_44545133	Ca_Kabuli_Chr04	NC_021163.1	44545133	GG	AA	AA	INTERGENIC		
SNP_21305B_44545268	Ca_Kabuli_Chr04	NC_021163.1	44545268	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_21306B_44550720	Ca_Kabuli_Chr04	NC_021163.1	44550720	AA	GG	GG	INTERGENIC		
SNP_21307B_44550985	Ca_Kabuli_Chr04	NC_021163.1	44550985	GG	TT	TT	INTERGENIC		
SNP_21309B_44556590	Ca_Kabuli_Chr04	NC_021163.1	44556590	AA	TT	TT	INTERGENIC		
SNP_21310B_44559695	Ca_Kabuli_Chr04	NC_021163.1	44559695	TT	GG	GG	URR	101488315	uncharacterized LOC101488315
SNP_21311B_44559697	Ca_Kabuli_Chr04	NC_021163.1	44559697	CC	TT	TT	URR	101488315	uncharacterized LOC101488315
SNP_21312B_44560410	Ca_Kabuli_Chr04	NC_021163.1	44560410	CC	TT	TT	URR	101488315	uncharacterized LOC101488315
SNP_21313B_44560620	Ca_Kabuli_Chr04	NC_021163.1	44560620	CC	TT	TT	URR	101488315	uncharacterized LOC101488315
SNP_21315B_44561295	Ca_Kabuli_Chr04	NC_021163.1	44561295	AA	GG	GG	URR	101488315	uncharacterized LOC101488315
SNP_21316B_44561296	Ca_Kabuli_Chr04	NC_021163.1	44561296	TT	AA	AA	URR	101488315	uncharacterized LOC101488315
SNP_21317B_44561347	Ca_Kabuli_Chr04	NC_021163.1	44561347	TT	AA	AA	URR	101488315	uncharacterized LOC101488315
SNP_21318B_44563477	Ca_Kabuli_Chr04	NC_021163.1	44563477	GG	AA	AA	INTERGENIC		
SNP_21319B_44563479	Ca_Kabuli_Chr04	NC_021163.1	44563479	CC	AA	AA	INTERGENIC		
SNP_21321B_44563558	Ca_Kabuli_Chr04	NC_021163.1	44563558	TT	GG	GG	INTERGENIC		
SNP_21322B_44566415	Ca_Kabuli_Chr04	NC_021163.1	44566415	TT	AA	AA	INTERGENIC		
SNP_21323B_44566642	Ca_Kabuli_Chr04	NC_021163.1	44566642	CC	TT	TT	INTERGENIC		
SNP_21324B_44567129	Ca_Kabuli_Chr04	NC_021163.1	44567129	TT	AA	AA	DRR	101488638	copper transporter 5-like
SNP_21325B_44567178	Ca_Kabuli_Chr04	NC_021163.1	44567178	CC	TT	TT	DRR	101488638	copper transporter 5-like
SNP_21326B_44567229	Ca_Kabuli_Chr04	NC_021163.1	44567229	TT	AA	AA	DRR	101488638	copper transporter 5-like
SNP_21327B_44567232	Ca_Kabuli_Chr04	NC_021163.1	44567232	TT	CC	CC	DRR	101488638	copper transporter 5-like
SNP_21328B_44578259	Ca_Kabuli_Chr04	NC_021163.1	44578259	TT	CC	CC	INTERGENIC		
SNP_21330B_44579429	Ca_Kabuli_Chr04	NC_021163.1	44579429	AA	GG	GG	INTERGENIC		
SNP_21331B_44581541	Ca_Kabuli_Chr04	NC_021163.1	44581541	TT	AA	AA	DRR	101490057	leucine-rich repeat extensin-like protein 3
SNP_21332B_44583741	Ca_Kabuli_Chr04	NC_021163.1	44583741	GG	AA	AA	URR	101490057	leucine-rich repeat extensin-like protein 3
SNP_21333B_44583743	Ca_Kabuli_Chr04	NC_021163.1	44583743	GG	TT	TT	URR	101490057	leucine-rich repeat extensin-like protein 3

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_21334B_44583811	Ca_Kabuli_Chr04	NC_021163.1	44583811	GG	AA	AA	URR	101490057	leucine-rich repeat extensin-like protein 3
SNP_21335B_44584465	Ca_Kabuli_Chr04	NC_021163.1	44584465	GG	AA	AA	URR	101490057	leucine-rich repeat extensin-like protein 3
SNP_21337B_44601334	Ca_Kabuli_Chr04	NC_021163.1	44601334	TT	CC	CC	INTERGENIC		
SNP_21338B_44601481	Ca_Kabuli_Chr04	NC_021163.1	44601481	GG	AA	AA	INTERGENIC		
SNP_21340B_44601747	Ca_Kabuli_Chr04	NC_021163.1	44601747	AA	CC	CC	INTERGENIC		
SNP_21341B_44602137	Ca_Kabuli_Chr04	NC_021163.1	44602137	GG	AA	AA	INTERGENIC		
SNP_21342B_44602460	Ca_Kabuli_Chr04	NC_021163.1	44602460	GG	AA	AA	INTERGENIC		
SNP_21343B_44603479	Ca_Kabuli_Chr04	NC_021163.1	44603479	GG	TT	TT	DRR	101491352	uncharacterized LOC101491352
SNP_21344B_44603525	Ca_Kabuli_Chr04	NC_021163.1	44603525	GG	TT	TT	DRR	101491352	uncharacterized LOC101491352
SNP_21345B_44603527	Ca_Kabuli_Chr04	NC_021163.1	44603527	CC	TT	TT	DRR	101491352	uncharacterized LOC101491352
SNP_21346B_44610149	Ca_Kabuli_Chr04	NC_021163.1	44610149	AA	CC	CC	INTERGENIC		
SNP_21347B_44612036	Ca_Kabuli_Chr04	NC_021163.1	44612036	CC	TT	TT	INTERGENIC		
SNP_21348B_44612042	Ca_Kabuli_Chr04	NC_021163.1	44612042	TT	CC	CC	INTERGENIC		
SNP_21350B_44613538	Ca_Kabuli_Chr04	NC_021163.1	44613538	AA	CC	CC	INTERGENIC		
SNP_21351B_44613638	Ca_Kabuli_Chr04	NC_021163.1	44613638	CC	TT	TT	INTERGENIC		
SNP_21353B_44622659	Ca_Kabuli_Chr04	NC_021163.1	44622659	TT	AA	AA	INTRON	101491673	U-box domain-containing protein 35
SNP_21354B_44625355	Ca_Kabuli_Chr04	NC_021163.1	44625355	GG	AA	AA	URR	101491673	U-box domain-containing protein 35
SNP_21355B_44626753	Ca_Kabuli_Chr04	NC_021163.1	44626753	TT	CC	CC	INTERGENIC		
SNP_21356B_44626770	Ca_Kabuli_Chr04	NC_021163.1	44626770	TT	GG	GG	INTERGENIC		
SNP_21357B_44628790	Ca_Kabuli_Chr04	NC_021163.1	44628790	AA	CC	CC	DRR	101491983	probable WRKY transcription factor 50
SNP_21358B_44630819	Ca_Kabuli_Chr04	NC_021163.1	44630819	CC	TT	TT	URR	101492319	uncharacterized LOC101492319
SNP_21359B_44632847	Ca_Kabuli_Chr04	NC_021163.1	44632847	AA	CC	CC	DRR	101492648	protein RBL-like
SNP_21360B_44632900	Ca_Kabuli_Chr04	NC_021163.1	44632900	CC	AA	AA	DRR	101492648	protein RBL-like
SNP_21361B_44632917	Ca_Kabuli_Chr04	NC_021163.1	44632917	TT	CC	CC	DRR	101492648	protein RBL-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_21362B_44632928	Ca_Kabuli_Chr04	NC_021163.1	44632928	GG	AA	AA	DRR	101492648	protein RBL-like
SNP_21363B_44632930	Ca_Kabuli_Chr04	NC_021163.1	44632930	CC	AA	AA	DRR	101492648	protein RBL-like
SNP_21364B_44632934	Ca_Kabuli_Chr04	NC_021163.1	44632934	GG	AA	AA	DRR	101492648	protein RBL-like
SNP_21365B_44633091	Ca_Kabuli_Chr04	NC_021163.1	44633091	AA	GG	GG	DRR	101492648	protein RBL-like
SNP_21366B_44633115	Ca_Kabuli_Chr04	NC_021163.1	44633115	GG	AA	AA	DRR	101492648	protein RBL-like
SNP_21367B_44633128	Ca_Kabuli_Chr04	NC_021163.1	44633128	GG	AA	AA	DRR	101492648	protein RBL-like
SNP_21368B_44633551	Ca_Kabuli_Chr04	NC_021163.1	44633551	GG	AA	AA	INTERGENIC		
SNP_21369B_44634148	Ca_Kabuli_Chr04	NC_021163.1	44634148	GG	AA	AA	INTERGENIC		
SNP_21370B_44634170	Ca_Kabuli_Chr04	NC_021163.1	44634170	AA	CC	CC	INTERGENIC		
SNP_21371B_44637064	Ca_Kabuli_Chr04	NC_021163.1	44637064	AA	CC	CC	URR	101492648	protein RBL-like
SNP_21372B_44637079	Ca_Kabuli_Chr04	NC_021163.1	44637079	CC	AA	AA	URR	101492648	protein RBL-like
SNP_21373B_44638490	Ca_Kabuli_Chr04	NC_021163.1	44638490	CC	GG	GG	URR	101492648	protein RBL-like
SNP_21374B_44640224	Ca_Kabuli_Chr04	NC_021163.1	44640224	AA	GG	GG	DRR	101492983	FAD-linked sulfhydryl oxidase ERV1-like
SNP_21375B_44640526	Ca_Kabuli_Chr04	NC_021163.1	44640526	GG	CC	CC	DRR	101492983	FAD-linked sulfhydryl oxidase ERV1-like
SNP_21376B_44658456	Ca_Kabuli_Chr04	NC_021163.1	44658456	CC	TT	TT	INTRON	101493315	PHD finger protein ALFIN-LIKE 4-like
SNP_21377B_44662424	Ca_Kabuli_Chr04	NC_021163.1	44662424	CC	TT	TT	INTERGENIC		
SNP_21379B_44668030	Ca_Kabuli_Chr04	NC_021163.1	44668030	GG	AA	AA	URR	101493840	uncharacterized LOC101493840
SNP_21381B_44673780	Ca_Kabuli_Chr04	NC_021163.1	44673780	AA	GG	GG	INTERGENIC		
SNP_21383B_44676788	Ca_Kabuli_Chr04	NC_021163.1	44676788	CC	AA	AA	URR	101494168	thermospermine synthase ACAULIS5
SNP_21384B_44678205	Ca_Kabuli_Chr04	NC_021163.1	44678205	TT	CC	CC	URR	101494168	thermospermine synthase ACAULIS5
SNP_21385B_44678213	Ca_Kabuli_Chr04	NC_021163.1	44678213	TT	CC	CC	URR	101494168	thermospermine synthase ACAULIS5
SNP_21386B_44678224	Ca_Kabuli_Chr04	NC_021163.1	44678224	GG	AA	AA	URR	101494168	thermospermine synthase ACAULIS5
SNP_21387B_44679287	Ca_Kabuli_Chr04	NC_021163.1	44679287	TT	AA	AA	INTERGENIC		
SNP_21388B_44679328	Ca_Kabuli_Chr04	NC_021163.1	44679328	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_21391B_44679493	Ca_Kabuli_Chr04	NC_021163.1	44679493	AA	TT	TT	INTERGENIC		
SNP_21392B_44679651	Ca_Kabuli_Chr04	NC_021163.1	44679651	AA	GG	GG	INTERGENIC		
SNP_21393B_44679743	Ca_Kabuli_Chr04	NC_021163.1	44679743	AA	GG	GG	INTERGENIC		
SNP_21394B_44680847	Ca_Kabuli_Chr04	NC_021163.1	44680847	TT	CC	CC	INTERGENIC		
SNP_21395B_44680997	Ca_Kabuli_Chr04	NC_021163.1	44680997	AA	GG	GG	INTERGENIC		
SNP_21396B_44686411	Ca_Kabuli_Chr04	NC_021163.1	44686411	GG	TT	TT	INTERGENIC		
SNP_21397B_44686655	Ca_Kabuli_Chr04	NC_021163.1	44686655	AA	TT	TT	INTERGENIC		
SNP_21398B_44694493	Ca_Kabuli_Chr04	NC_021163.1	44694493	AA	TT	TT	INTERGENIC		
SNP_21399B_44694498	Ca_Kabuli_Chr04	NC_021163.1	44694498	TT	AA	AA	INTERGENIC		
SNP_21400B_44694508	Ca_Kabuli_Chr04	NC_021163.1	44694508	TT	AA	AA	INTERGENIC		
SNP_21402B_44694695	Ca_Kabuli_Chr04	NC_021163.1	44694695	TT	GG	GG	INTERGENIC		
SNP_21403B_44694745	Ca_Kabuli_Chr04	NC_021163.1	44694745	AA	TT	TT	INTERGENIC		
SNP_21404B_44694750	Ca_Kabuli_Chr04	NC_021163.1	44694750	CC	AA	AA	INTERGENIC		
SNP_21405B_44694751	Ca_Kabuli_Chr04	NC_021163.1	44694751	AA	TT	TT	INTERGENIC		
SNP_21406B_44694795	Ca_Kabuli_Chr04	NC_021163.1	44694795	TT	GG	GG	INTERGENIC		
SNP_21407B_44704524	Ca_Kabuli_Chr04	NC_021163.1	44704524	TT	GG	GG	INTERGENIC		
SNP_21408B_44705170	Ca_Kabuli_Chr04	NC_021163.1	44705170	CC	TT	TT	INTERGENIC		
SNP_21409B_44706422	Ca_Kabuli_Chr04	NC_021163.1	44706422	GG	AA	AA	DRR	101410590	transfer RNA aspartic acid (anticodon GUC)
SNP_21412B_44708222	Ca_Kabuli_Chr04	NC_021163.1	44708222	AA	TT	TT	URR	101494798	peroxisome biogenesis factor 10
SNP_21413B_44710346	Ca_Kabuli_Chr04	NC_021163.1	44710346	CC	TT	TT	INTERGENIC		
SNP_21414B_44710537	Ca_Kabuli_Chr04	NC_021163.1	44710537	AA	GG	GG	INTERGENIC		
SNP_21416B_44710585	Ca_Kabuli_Chr04	NC_021163.1	44710585	TT	GG	GG	INTERGENIC		
SNP_21417B_44714351	Ca_Kabuli_Chr04	NC_021163.1	44714351	AA	GG	GG	INTERGENIC		
SNP_21418B_44714488	Ca_Kabuli_Chr04	NC_021163.1	44714488	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_21419B_44714510	Ca_Kabuli_Chr04	NC_021163.1	44714510	TT	AA	AA	INTERGENIC		
SNP_21420B_44714541	Ca_Kabuli_Chr04	NC_021163.1	44714541	GG	AA	AA	INTERGENIC		
SNP_21421B_44714571	Ca_Kabuli_Chr04	NC_021163.1	44714571	AA	GG	GG	INTERGENIC		
SNP_21422B_44714587	Ca_Kabuli_Chr04	NC_021163.1	44714587	AA	GG	GG	INTERGENIC		
SNP_21423B_44718216	Ca_Kabuli_Chr04	NC_021163.1	44718216	GG	AA	AA	INTERGENIC		
SNP_21424B_44718554	Ca_Kabuli_Chr04	NC_021163.1	44718554	CC	TT	TT	INTERGENIC		
SNP_21425B_44718578	Ca_Kabuli_Chr04	NC_021163.1	44718578	GG	CC	CC	INTERGENIC		
SNP_21426B_44718619	Ca_Kabuli_Chr04	NC_021163.1	44718619	TT	GG	GG	INTERGENIC		
SNP_21427B_44718760	Ca_Kabuli_Chr04	NC_021163.1	44718760	AA	TT	TT	INTERGENIC		
SNP_21428B_44727362	Ca_Kabuli_Chr04	NC_021163.1	44727362	AA	GG	GG	INTERGENIC		
SNP_21429B_44727679	Ca_Kabuli_Chr04	NC_021163.1	44727679	CC	GG	GG	INTERGENIC		
SNP_21430B_44727828	Ca_Kabuli_Chr04	NC_021163.1	44727828	AA	CC	CC	INTERGENIC		
SNP_21431B_44727876	Ca_Kabuli_Chr04	NC_021163.1	44727876	GG	TT	TT	INTERGENIC		
SNP_21432B_44729728	Ca_Kabuli_Chr04	NC_021163.1	44729728	AA	TT	TT	INTERGENIC		
SNP_21433B_44738011	Ca_Kabuli_Chr04	NC_021163.1	44738011	AA	TT	TT	URR	101495126	cytokinin dehydrogenase 7
SNP_21435B_44739709	Ca_Kabuli_Chr04	NC_021163.1	44739709	TT	CC	CC	INTERGENIC		
SNP_21436B_44741888	Ca_Kabuli_Chr04	NC_021163.1	44741888	CC	TT	TT	INTERGENIC		
SNP_21437B_44742852	Ca_Kabuli_Chr04	NC_021163.1	44742852	AA	GG	GG	INTERGENIC		
SNP_21438B_44743289	Ca_Kabuli_Chr04	NC_021163.1	44743289	AA	CC	CC	INTERGENIC		
SNP_21439B_44747457	Ca_Kabuli_Chr04	NC_021163.1	44747457	AA	GG	GG	INTERGENIC		
SNP_21440B_44747818	Ca_Kabuli_Chr04	NC_021163.1	44747818	CC	TT	TT	INTERGENIC		
SNP_21442B_44748895	Ca_Kabuli_Chr04	NC_021163.1	44748895	AA	TT	TT	INTERGENIC		
SNP_21443B_44748904	Ca_Kabuli_Chr04	NC_021163.1	44748904	CC	TT	TT	INTERGENIC		
SNP_21444B_44748916	Ca_Kabuli_Chr04	NC_021163.1	44748916	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_21445B_44751467	Ca_Kabuli_Chr04	NC_021163.1	44751467	AA	TT	TT	DRR	101495453	F-box/LRR-repeat protein 15
SNP_21446B_44753391	Ca_Kabuli_Chr04	NC_021163.1	44753391	GG	TT	TT	INTRON	101495453	F-box/LRR-repeat protein 15
SNP_21447B_44758317	Ca_Kabuli_Chr04	NC_021163.1	44758317	GG	CC	CC	INTERGENIC		
SNP_21448B_44758330	Ca_Kabuli_Chr04	NC_021163.1	44758330	AA	GG	GG	INTERGENIC		
SNP_21449B_44763640	Ca_Kabuli_Chr04	NC_021163.1	44763640	GG	AA	AA	URR	101503399	uncharacterized LOC101503399
SNP_21450B_44763665	Ca_Kabuli_Chr04	NC_021163.1	44763665	TT	AA	AA	URR	101503399	uncharacterized LOC101503399
SNP_21451B_44764272	Ca_Kabuli_Chr04	NC_021163.1	44764272	GG	AA	AA	INTERGENIC		
SNP_21452B_44764298	Ca_Kabuli_Chr04	NC_021163.1	44764298	AA	GG	GG	INTERGENIC		
SNP_21453B_44764816	Ca_Kabuli_Chr04	NC_021163.1	44764816	AA	TT	TT	INTERGENIC		
SNP_21454B_44764817	Ca_Kabuli_Chr04	NC_021163.1	44764817	TT	AA	AA	INTERGENIC		
SNP_21455B_44765535	Ca_Kabuli_Chr04	NC_021163.1	44765535	TT	CC	CC	INTERGENIC		
SNP_21456B_44766416	Ca_Kabuli_Chr04	NC_021163.1	44766416	CC	TT	TT	INTERGENIC		
SNP_21457B_44770452	Ca_Kabuli_Chr04	NC_021163.1	44770452	GG	AA	AA	INTERGENIC		
SNP_21458B_44771276	Ca_Kabuli_Chr04	NC_021163.1	44771276	TT	GG	GG	INTERGENIC		
SNP_21460B_44772416	Ca_Kabuli_Chr04	NC_021163.1	44772416	TT	CC	CC	INTERGENIC		
SNP_21461B_44776698	Ca_Kabuli_Chr04	NC_021163.1	44776698	TT	CC	CC	INTERGENIC		
SNP_21462B_44776701	Ca_Kabuli_Chr04	NC_021163.1	44776701	CC	TT	TT	INTERGENIC		
SNP_21463B_44777038	Ca_Kabuli_Chr04	NC_021163.1	44777038	AA	GG	GG	INTERGENIC		
SNP_21464B_44777076	Ca_Kabuli_Chr04	NC_021163.1	44777076	CC	TT	TT	INTERGENIC		
SNP_21465B_44777310	Ca_Kabuli_Chr04	NC_021163.1	44777310	CC	TT	TT	INTERGENIC		
SNP_21466B_44777657	Ca_Kabuli_Chr04	NC_021163.1	44777657	CC	TT	TT	INTERGENIC		
SNP_21467B_44777706	Ca_Kabuli_Chr04	NC_021163.1	44777706	GG	AA	AA	INTERGENIC		
SNP_21468B_44777831	Ca_Kabuli_Chr04	NC_021163.1	44777831	AA	GG	GG	INTERGENIC		
SNP_21469B_44781275	Ca_Kabuli_Chr04	NC_021163.1	44781275	GG	AA	AA	DRR	101495782	LRR receptor-like serine/threonine-protein kinase ERECTA

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_21470B_44783831	Ca_Kabuli_Chr04	NC_021163.1	44783831	AA	GG	GG	INTRON	101495782	LRR receptor-like serine/threonine-protein kinase ERECTA
SNP_21471B_44785477	Ca_Kabuli_Chr04	NC_021163.1	44785477	TT	AA	AA	INTRON	101495782	LRR receptor-like serine/threonine-protein kinase ERECTA
SNP_21472B_44786724	Ca_Kabuli_Chr04	NC_021163.1	44786724	TT	CC	CC	INTERGENIC		
SNP_21473B_44786727	Ca_Kabuli_Chr04	NC_021163.1	44786727	GG	TT	TT	INTERGENIC		
SNP_21474B_44786742	Ca_Kabuli_Chr04	NC_021163.1	44786742	TT	AA	AA	INTERGENIC		
SNP_21475B_44787133	Ca_Kabuli_Chr04	NC_021163.1	44787133	AA	GG	GG	INTERGENIC		
SNP_21477B_44794226	Ca_Kabuli_Chr04	NC_021163.1	44794226	GG	TT	TT	INTERGENIC		
SNP_21478B_44794309	Ca_Kabuli_Chr04	NC_021163.1	44794309	TT	CC	CC	INTERGENIC		
SNP_21479B_44794710	Ca_Kabuli_Chr04	NC_021163.1	44794710	AA	TT	TT	INTRON	101503736	protein QUIRKY-like
SNP_21480B_44794842	Ca_Kabuli_Chr04	NC_021163.1	44794842	TT	CC	CC	INTRON	101503736	protein QUIRKY-like
SNP_21481B_44798592	Ca_Kabuli_Chr04	NC_021163.1	44798592	TT	CC	CC	INTRON	101503736	protein QUIRKY-like
SNP_21482B_44816284	Ca_Kabuli_Chr04	NC_021163.1	44816284	CC	TT	TT	INTRON	101496541	myosin-15-like
SNP_21483B_44819653	Ca_Kabuli_Chr04	NC_021163.1	44819653	AA	GG	GG	INTRON	101496541	myosin-15-like
SNP_21484B_44819671	Ca_Kabuli_Chr04	NC_021163.1	44819671	CC	TT	TT	INTRON	101496541	myosin-15-like
SNP_21485B_44819870	Ca_Kabuli_Chr04	NC_021163.1	44819870	AA	GG	GG	INTRON	101496541	myosin-15-like
SNP_21486B_44819941	Ca_Kabuli_Chr04	NC_021163.1	44819941	TT	CC	CC	INTRON	101496541	myosin-15-like
SNP_21487B_44820024	Ca_Kabuli_Chr04	NC_021163.1	44820024	GG	TT	TT	INTRON	101496541	myosin-15-like
SNP_21488B_44820050	Ca_Kabuli_Chr04	NC_021163.1	44820050	TT	CC	CC	INTRON	101496541	myosin-15-like
SNP_21489B_44836845	Ca_Kabuli_Chr04	NC_021163.1	44836845	TT	AA	AA	INTERGENIC		
SNP_21490B_44837685	Ca_Kabuli_Chr04	NC_021163.1	44837685	CC	TT	TT	INTERGENIC		
SNP_21491B_44838554	Ca_Kabuli_Chr04	NC_021163.1	44838554	CC	TT	TT	INTERGENIC		
SNP_21492B_44838938	Ca_Kabuli_Chr04	NC_021163.1	44838938	CC	TT	TT	INTERGENIC		
SNP_21493B_44842882	Ca_Kabuli_Chr04	NC_021163.1	44842882	TT	CC	CC	INTERGENIC		
SNP_21494B_44842884	Ca_Kabuli_Chr04	NC_021163.1	44842884	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_21495B_44854409	Ca_Kabuli_Chr04	NC_021163.1	44854409	AA	TT	TT	URR	101497410	fatty-acid-binding protein 2
SNP_21496B_44854674	Ca_Kabuli_Chr04	NC_021163.1	44854674	AA	CC	CC	URR	101497410	fatty-acid-binding protein 2
SNP_21497B_44856914	Ca_Kabuli_Chr04	NC_021163.1	44856914	AA	CC	CC	DRR	101497747	guanine nucleotide-binding protein alpha-1 subunit
SNP_21498B_44861486	Ca_Kabuli_Chr04	NC_021163.1	44861486	CC	GG	GG	INTRON	101497747	guanine nucleotide-binding protein alpha-1 subunit
SNP_21500B_44864267	Ca_Kabuli_Chr04	NC_021163.1	44864267	GG	AA	AA	URR	101497747	guanine nucleotide-binding protein alpha-1 subunit
SNP_21501B_44864468	Ca_Kabuli_Chr04	NC_021163.1	44864468	AA	TT	TT	URR	101497747	guanine nucleotide-binding protein alpha-1 subunit
SNP_21502B_44865472	Ca_Kabuli_Chr04	NC_021163.1	44865472	TT	CC	CC	INTERGENIC		
SNP_21504B_44865527	Ca_Kabuli_Chr04	NC_021163.1	44865527	TT	CC	CC	INTERGENIC		
SNP_21505B_44865731	Ca_Kabuli_Chr04	NC_021163.1	44865731	GG	AA	AA	DRR	101498279	uncharacterized LOC101498279
SNP_21506B_44872157	Ca_Kabuli_Chr04	NC_021163.1	44872157	AA	GG	GG	URR	101498279	uncharacterized LOC101498279
SNP_21507B_44872500	Ca_Kabuli_Chr04	NC_021163.1	44872500	GG	TT	TT	URR	101498279	uncharacterized LOC101498279
SNP_21508B_44876552	Ca_Kabuli_Chr04	NC_021163.1	44876552	CC	TT	TT	INTERGENIC		
SNP_21509B_44881440	Ca_Kabuli_Chr04	NC_021163.1	44881440	AA	GG	GG	INTERGENIC		
SNP_21510B_44886049	Ca_Kabuli_Chr04	NC_021163.1	44886049	GG	AA	AA	INTERGENIC		
SNP_21511B_44886066	Ca_Kabuli_Chr04	NC_021163.1	44886066	CC	TT	TT	INTERGENIC		
SNP_21512B_44886364	Ca_Kabuli_Chr04	NC_021163.1	44886364	AA	GG	GG	INTERGENIC		
SNP_21513B_44886373	Ca_Kabuli_Chr04	NC_021163.1	44886373	TT	CC	CC	INTERGENIC		
SNP_21514B_44886377	Ca_Kabuli_Chr04	NC_021163.1	44886377	TT	CC	CC	INTERGENIC		
SNP_21515B_44886741	Ca_Kabuli_Chr04	NC_021163.1	44886741	TT	GG	GG	INTERGENIC		
SNP_21516B_44889413	Ca_Kabuli_Chr04	NC_021163.1	44889413	CC	TT	TT	INTERGENIC		
SNP_21517B_44889415	Ca_Kabuli_Chr04	NC_021163.1	44889415	GG	TT	TT	INTERGENIC		
SNP_21518B_44889438	Ca_Kabuli_Chr04	NC_021163.1	44889438	TT	CC	CC	INTERGENIC		
SNP_21519B_44889549	Ca_Kabuli_Chr04	NC_021163.1	44889549	TT	GG	GG	INTERGENIC		
SNP_21520B_44900335	Ca_Kabuli_Chr04	NC_021163.1	44900335	AA	TT	TT	DRR	101498614	uncharacterized LOC101498614

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_21522B_44901199	Ca_Kabuli_Chr04	NC_021163.1	44901199	AA	GG	GG	URR	101498614	uncharacterized LOC101498614
SNP_21523B_44905273	Ca_Kabuli_Chr04	NC_021163.1	44905273	GG	CC	CC	INTERGENIC		
SNP_21524B_44905290	Ca_Kabuli_Chr04	NC_021163.1	44905290	GG	AA	AA	INTERGENIC		
SNP_21525B_44905317	Ca_Kabuli_Chr04	NC_021163.1	44905317	AA	TT	TT	INTERGENIC		
SNP_21526B_44905385	Ca_Kabuli_Chr04	NC_021163.1	44905385	AA	GG	GG	INTERGENIC		
SNP_21527B_44905447	Ca_Kabuli_Chr04	NC_021163.1	44905447	GG	AA	AA	INTERGENIC		
SNP_21528B_44905811	Ca_Kabuli_Chr04	NC_021163.1	44905811	GG	CC	CC	INTERGENIC		
SNP_21529B_44905814	Ca_Kabuli_Chr04	NC_021163.1	44905814	TT	CC	CC	INTERGENIC		
SNP_21530B_44907108	Ca_Kabuli_Chr04	NC_021163.1	44907108	CC	TT	TT	INTERGENIC		
SNP_21531B_44907530	Ca_Kabuli_Chr04	NC_021163.1	44907530	CC	TT	TT	INTERGENIC		
SNP_21532B_44909712	Ca_Kabuli_Chr04	NC_021163.1	44909712	AA	TT	TT	URR	101498944	probable magnesium transporter NIPA9
SNP_21533B_44913269	Ca_Kabuli_Chr04	NC_021163.1	44913269	CC	TT	TT	URR	101499269	cytokinin riboside 5'-monophosphate phosphoribohydrolase LOG8
SNP_21534B_44913762	Ca_Kabuli_Chr04	NC_021163.1	44913762	AA	GG	GG	URR	101499269	cytokinin riboside 5'-monophosphate phosphoribohydrolase LOG8
SNP_21536B_44920630	Ca_Kabuli_Chr04	NC_021163.1	44920630	CC	AA	AA	INTERGENIC		
SNP_21537B_44922212	Ca_Kabuli_Chr04	NC_021163.1	44922212	GG	AA	AA	URR	101499891	cytochrome P450 711A1
SNP_21539B_44924235	Ca_Kabuli_Chr04	NC_021163.1	44924235	TT	CC	CC	INTERGENIC		
SNP_21540B_44924592	Ca_Kabuli_Chr04	NC_021163.1	44924592	GG	AA	AA	INTERGENIC		
SNP_21541B_44924627	Ca_Kabuli_Chr04	NC_021163.1	44924627	TT	AA	AA	INTERGENIC		
SNP_21543B_44932136	Ca_Kabuli_Chr04	NC_021163.1	44932136	CC	TT	TT	INTERGENIC		
SNP_21544B_44936710	Ca_Kabuli_Chr04	NC_021163.1	44936710	TT	GG	GG	INTERGENIC		
SNP_21545B_44937096	Ca_Kabuli_Chr04	NC_021163.1	44937096	TT	CC	CC	INTERGENIC		
SNP_21546B_44937151	Ca_Kabuli_Chr04	NC_021163.1	44937151	AA	TT	TT	INTERGENIC		
SNP_21547B_44939577	Ca_Kabuli_Chr04	NC_021163.1	44939577	AA	GG	GG	DRR	101500228	glutaredoxin-C6
SNP_21548B_44939579	Ca_Kabuli_Chr04	NC_021163.1	44939579	AA	GG	GG	DRR	101500228	glutaredoxin-C6

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_21549B_44939587	Ca_Kabuli_Chr04	NC_021163.1	44939587	TT	CC	CC	DRR	101500228	glutaredoxin-C6
SNP_21550B_44939615	Ca_Kabuli_Chr04	NC_021163.1	44939615	TT	AA	AA	DRR	101500228	glutaredoxin-C6
SNP_21551B_44945713	Ca_Kabuli_Chr04	NC_021163.1	44945713	CC	TT	TT	INTERGENIC		
SNP_21552B_44947939	Ca_Kabuli_Chr04	NC_021163.1	44947939	CC	TT	TT	INTERGENIC		
SNP_21553B_44947940	Ca_Kabuli_Chr04	NC_021163.1	44947940	GG	AA	AA	INTERGENIC		
SNP_21554B_44947941	Ca_Kabuli_Chr04	NC_021163.1	44947941	AA	GG	GG	INTERGENIC		
SNP_21555B_44947952	Ca_Kabuli_Chr04	NC_021163.1	44947952	CC	TT	TT	INTERGENIC		
SNP_21557B_44949277	Ca_Kabuli_Chr04	NC_021163.1	44949277	AA	TT	TT	URR	101500539	beta-fructofuranosidase, insoluble isoenzyme CWINV3-like
SNP_21558B_44949619	Ca_Kabuli_Chr04	NC_021163.1	44949619	TT	CC	CC	URR	101500539	beta-fructofuranosidase, insoluble isoenzyme CWINV3-like
SNP_21559B_44949620	Ca_Kabuli_Chr04	NC_021163.1	44949620	CC	AA	AA	URR	101500539	beta-fructofuranosidase, insoluble isoenzyme CWINV3-like
SNP_21560B_44950094	Ca_Kabuli_Chr04	NC_021163.1	44950094	AA	GG	GG	URR	101500539	beta-fructofuranosidase, insoluble isoenzyme CWINV3-like
SNP_21561B_44950138	Ca_Kabuli_Chr04	NC_021163.1	44950138	GG	AA	AA	URR	101500539	beta-fructofuranosidase, insoluble isoenzyme CWINV3-like
SNP_21562B_44950413	Ca_Kabuli_Chr04	NC_021163.1	44950413	CC	AA	AA	DRR	101501064	uncharacterized LOC101501064
SNP_21563B_44973703	Ca_Kabuli_Chr04	NC_021163.1	44973703	TT	GG	GG	INTERGENIC		
SNP_21564B_45000653	Ca_Kabuli_Chr04	NC_021163.1	45000653	GG	TT	TT	INTERGENIC		
SNP_21565B_45012236	Ca_Kabuli_Chr04	NC_021163.1	45012236	AA	GG	GG	INTERGENIC		
SNP_21566B_45048344	Ca_Kabuli_Chr04	NC_021163.1	45048344	AA	TT	TT	INTERGENIC		
SNP_21567B_45054227	Ca_Kabuli_Chr04	NC_021163.1	45054227	AA	GG	GG	INTRON	101504919	putative GATA transcription factor 22
SNP_21568B_45061305	Ca_Kabuli_Chr04	NC_021163.1	45061305	TT	GG	GG	INTERGENIC		
SNP_21569B_45061348	Ca_Kabuli_Chr04	NC_021163.1	45061348	GG	AA	AA	INTERGENIC		
SNP_21570B_45062089	Ca_Kabuli_Chr04	NC_021163.1	45062089	AA	CC	CC	INTERGENIC		
SNP_21571B_45073966	Ca_Kabuli_Chr04	NC_021163.1	45073966	TT	CC	CC	INTRON	101505222	disease resistance protein RPM1-like
SNP_21572B_45075226	Ca_Kabuli_Chr04	NC_021163.1	45075226	GG	AA	AA	URR	101505222	disease resistance protein RPM1-like
SNP_21573B_45076917	Ca_Kabuli_Chr04	NC_021163.1	45076917	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_21574B_45077421	Ca_Kabuli_Chr04	NC_021163.1	45077421	GG	CC	CC	INTERGENIC		
SNP_21575B_45077423	Ca_Kabuli_Chr04	NC_021163.1	45077423	CC	TT	TT	INTERGENIC		
SNP_21576B_45077443	Ca_Kabuli_Chr04	NC_021163.1	45077443	CC	GG	GG	INTERGENIC		
SNP_21577B_45080306	Ca_Kabuli_Chr04	NC_021163.1	45080306	TT	CC	CC	INTERGENIC		
SNP_21578B_45081275	Ca_Kabuli_Chr04	NC_021163.1	45081275	GG	AA	AA	DRR	101506313	glycine dehydrogenase (decarboxylating), mitochondrial
SNP_21579B_45084828	Ca_Kabuli_Chr04	NC_021163.1	45084828	GG	CC	CC	INTRON	101506313	glycine dehydrogenase (decarboxylating), mitochondrial
SNP_21580B_45096152	Ca_Kabuli_Chr04	NC_021163.1	45096152	TT	AA	AA	INTERGENIC		
SNP_21581B_45099373	Ca_Kabuli_Chr04	NC_021163.1	45099373	CC	TT	TT	INTERGENIC		
SNP_21582B_45102302	Ca_Kabuli_Chr04	NC_021163.1	45102302	CC	TT	TT	INTERGENIC		
SNP_21583B_45102323	Ca_Kabuli_Chr04	NC_021163.1	45102323	CC	TT	TT	INTERGENIC		
SNP_21584B_45102369	Ca_Kabuli_Chr04	NC_021163.1	45102369	AA	GG	GG	INTERGENIC		
SNP_21585B_45108476	Ca_Kabuli_Chr04	NC_021163.1	45108476	TT	CC	CC	DRR	101507190	protein CHUP1, chloroplastic-like
SNP_21586B_45108493	Ca_Kabuli_Chr04	NC_021163.1	45108493	TT	CC	CC	DRR	101507190	protein CHUP1, chloroplastic-like
SNP_21587B_45112423	Ca_Kabuli_Chr04	NC_021163.1	45112423	CC	TT	TT	INTRON	101507190	protein CHUP1, chloroplastic-like
SNP_21588B_45112437	Ca_Kabuli_Chr04	NC_021163.1	45112437	AA	TT	TT	INTRON	101507190	protein CHUP1, chloroplastic-like
SNP_21589B_45112451	Ca_Kabuli_Chr04	NC_021163.1	45112451	GG	AA	AA	INTRON	101507190	protein CHUP1, chloroplastic-like
SNP_21590B_45114931	Ca_Kabuli_Chr04	NC_021163.1	45114931	TT	GG	GG	URR	101507190	protein CHUP1, chloroplastic-like
SNP_21591B_45114932	Ca_Kabuli_Chr04	NC_021163.1	45114932	GG	AA	AA	URR	101507190	protein CHUP1, chloroplastic-like
SNP_21592B_45118904	Ca_Kabuli_Chr04	NC_021163.1	45118904	TT	AA	AA	INTRON	101507818	serine/threonine-protein kinase EDR1
SNP_21594B_45126334	Ca_Kabuli_Chr04	NC_021163.1	45126334	CC	TT	TT	DRR	101507507	uncharacterized protein ycf36
SNP_21595B_45129095	Ca_Kabuli_Chr04	NC_021163.1	45129095	TT	GG	GG	URR	101507507	uncharacterized protein ycf36
SNP_21596B_45130800	Ca_Kabuli_Chr04	NC_021163.1	45130800	AA	TT	TT	DRR	101508138	protein REVERSION-TO-ETHYLENE SENSITIVITY1
SNP_21597B_45131784	Ca_Kabuli_Chr04	NC_021163.1	45131784	GG	TT	TT	INTERGENIC		
SNP_21598B_45131994	Ca_Kabuli_Chr04	NC_021163.1	45131994	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_21599B_45132442	Ca_Kabuli_Chr04	NC_021163.1	45132442	AA	GG	GG	INTERGENIC		
SNP_21600B_45132737	Ca_Kabuli_Chr04	NC_021163.1	45132737	AA	GG	GG	INTERGENIC		
SNP_21601B_45132742	Ca_Kabuli_Chr04	NC_021163.1	45132742	AA	CC	CC	INTERGENIC		
SNP_21602B_45133239	Ca_Kabuli_Chr04	NC_021163.1	45133239	GG	TT	TT	INTERGENIC		
SNP_21603B_45137102	Ca_Kabuli_Chr04	NC_021163.1	45137102	AA	CC	CC	INTERGENIC		
SNP_21604B_45137107	Ca_Kabuli_Chr04	NC_021163.1	45137107	GG	TT	TT	INTERGENIC		
SNP_21605B_45137138	Ca_Kabuli_Chr04	NC_021163.1	45137138	GG	TT	TT	INTERGENIC		
SNP_21606B_45139329	Ca_Kabuli_Chr04	NC_021163.1	45139329	GG	CC	CC	URR	101508458	uncharacterized LOC101508458
SNP_21607B_45141410	Ca_Kabuli_Chr04	NC_021163.1	45141410	GG	CC	CC	INTRON	101509616	calcineurin B-like protein 10
SNP_21608B_45144359	Ca_Kabuli_Chr04	NC_021163.1	45144359	TT	GG	GG	INTRON	101509616	calcineurin B-like protein 10
SNP_21609B_45147630	Ca_Kabuli_Chr04	NC_021163.1	45147630	AA	GG	GG	INTERGENIC		
SNP_21610B_45149269	Ca_Kabuli_Chr04	NC_021163.1	45149269	GG	AA	AA	INTERGENIC		
SNP_21611B_45150292	Ca_Kabuli_Chr04	NC_021163.1	45150292	CC	TT	TT	DRR	101510154	histone deacetylase 2
SNP_21612B_45157000	Ca_Kabuli_Chr04	NC_021163.1	45157000	GG	AA	AA	URR	101510154	histone deacetylase 2
SNP_21614B_45164742	Ca_Kabuli_Chr04	NC_021163.1	45164742	AA	GG	GG	URR	101510477	K(+) efflux antiporter 6
SNP_21615B_45164945	Ca_Kabuli_Chr04	NC_021163.1	45164945	GG	AA	AA	URR	101510477	K(+) efflux antiporter 6
SNP_21617B_45165327	Ca_Kabuli_Chr04	NC_021163.1	45165327	TT	CC	CC	URR	101510477	K(+) efflux antiporter 6
SNP_21618B_45167158	Ca_Kabuli_Chr04	NC_021163.1	45167158	AA	TT	TT	INTERGENIC		
SNP_21619B_45167168	Ca_Kabuli_Chr04	NC_021163.1	45167168	AA	TT	TT	INTERGENIC		
SNP_21620B_45175735	Ca_Kabuli_Chr04	NC_021163.1	45175735	AA	CC	CC	INTERGENIC		
SNP_21621B_45176012	Ca_Kabuli_Chr04	NC_021163.1	45176012	AA	GG	GG	INTERGENIC		
SNP_21622B_45176053	Ca_Kabuli_Chr04	NC_021163.1	45176053	TT	CC	CC	INTERGENIC		
SNP_21623B_45176061	Ca_Kabuli_Chr04	NC_021163.1	45176061	CC	TT	TT	INTERGENIC		
SNP_21624B_45176077	Ca_Kabuli_Chr04	NC_021163.1	45176077	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_21625B_45181728	Ca_Kabuli_Chr04	NC_021163.1	45181728	GG	AA	AA	INTERGENIC		
SNP_21627B_45182560	Ca_Kabuli_Chr04	NC_021163.1	45182560	TT	AA	AA	INTERGENIC		
SNP_21628B_45182566	Ca_Kabuli_Chr04	NC_021163.1	45182566	TT	GG	GG	INTERGENIC		
SNP_21629B_45182568	Ca_Kabuli_Chr04	NC_021163.1	45182568	CC	TT	TT	INTERGENIC		
SNP_21630B_45184391	Ca_Kabuli_Chr04	NC_021163.1	45184391	GG	AA	AA	INTERGENIC		
SNP_21631B_45184401	Ca_Kabuli_Chr04	NC_021163.1	45184401	CC	AA	AA	INTERGENIC		
SNP_21632B_45184410	Ca_Kabuli_Chr04	NC_021163.1	45184410	TT	CC	CC	INTERGENIC		
SNP_21633B_45184428	Ca_Kabuli_Chr04	NC_021163.1	45184428	CC	GG	GG	INTERGENIC		
SNP_21634B_45184504	Ca_Kabuli_Chr04	NC_021163.1	45184504	AA	GG	GG	INTERGENIC		
SNP_21635B_45186475	Ca_Kabuli_Chr04	NC_021163.1	45186475	GG	CC	CC	INTERGENIC		
SNP_21636B_45187531	Ca_Kabuli_Chr04	NC_021163.1	45187531	CC	TT	TT	DRR	101511661	pollen-specific protein SF21
SNP_21638B_45194697	Ca_Kabuli_Chr04	NC_021163.1	45194697	CC	TT	TT	URR	101511661	pollen-specific protein SF21
SNP_21639B_45194704	Ca_Kabuli_Chr04	NC_021163.1	45194704	CC	TT	TT	URR	101511661	pollen-specific protein SF21
SNP_21640B_45194752	Ca_Kabuli_Chr04	NC_021163.1	45194752	AA	TT	TT	URR	101511661	pollen-specific protein SF21
SNP_21641B_45194824	Ca_Kabuli_Chr04	NC_021163.1	45194824	TT	CC	CC	URR	101511661	pollen-specific protein SF21
SNP_21642B_45194829	Ca_Kabuli_Chr04	NC_021163.1	45194829	TT	CC	CC	URR	101511661	pollen-specific protein SF21
SNP_21643B_45194947	Ca_Kabuli_Chr04	NC_021163.1	45194947	TT	CC	CC	URR	101511661	pollen-specific protein SF21
SNP_21644B_45194976	Ca_Kabuli_Chr04	NC_021163.1	45194976	GG	TT	TT	URR	101511661	pollen-specific protein SF21
SNP_21645B_45195872	Ca_Kabuli_Chr04	NC_021163.1	45195872	GG	AA	AA	INTERGENIC		
SNP_21646B_45195874	Ca_Kabuli_Chr04	NC_021163.1	45195874	GG	TT	TT	INTERGENIC		
SNP_21647B_45198597	Ca_Kabuli_Chr04	NC_021163.1	45198597	AA	GG	GG	INTERGENIC		
SNP_21648B_45199421	Ca_Kabuli_Chr04	NC_021163.1	45199421	TT	AA	AA	DRR	101511982	uncharacterized LOC101511982
SNP_21649B_45200507	Ca_Kabuli_Chr04	NC_021163.1	45200507	TT	AA	AA	INTERGENIC		
SNP_21651B_45205355	Ca_Kabuli_Chr04	NC_021163.1	45205355	AA	TT	TT	DRR	101512310	26S proteasome non-ATPase regulatory subunit 8 homolog A-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_21652B_45205364	Ca_Kabuli_Chr04	NC_021163.1	45205364	AA	GG	GG	DRR	101512310	26S proteasome non-ATPase regulatory subunit 8 homolog A-like
SNP_21653B_45205365	Ca_Kabuli_Chr04	NC_021163.1	45205365	CC	TT	TT	DRR	101512310	26S proteasome non-ATPase regulatory subunit 8 homolog A-like
SNP_21654B_45205487	Ca_Kabuli_Chr04	NC_021163.1	45205487	CC	TT	TT	DRR	101512310	26S proteasome non-ATPase regulatory subunit 8 homolog A-like
SNP_21655B_45205607	Ca_Kabuli_Chr04	NC_021163.1	45205607	GG	CC	CC	DRR	101512310	26S proteasome non-ATPase regulatory subunit 8 homolog A-like
SNP_21657B_45206907	Ca_Kabuli_Chr04	NC_021163.1	45206907	AA	GG	GG	URR	101511982	uncharacterized LOC101511982
SNP_21658B_45206920	Ca_Kabuli_Chr04	NC_021163.1	45206920	AA	GG	GG	URR	101511982	uncharacterized LOC101511982
SNP_21662B_45222138	Ca_Kabuli_Chr04	NC_021163.1	45222138	GG	TT	TT	URR	101512639	far upstream element-binding protein 1-like
SNP_21663B_45222152	Ca_Kabuli_Chr04	NC_021163.1	45222152	CC	GG	GG	URR	101512639	far upstream element-binding protein 1-like
SNP_21664B_45222334	Ca_Kabuli_Chr04	NC_021163.1	45222334	TT	CC	CC	URR	101512639	far upstream element-binding protein 1-like
SNP_21665B_45223210	Ca_Kabuli_Chr04	NC_021163.1	45223210	GG	AA	AA	URR	101512639	far upstream element-binding protein 1-like
SNP_21667B_45226830	Ca_Kabuli_Chr04	NC_021163.1	45226830	TT	CC	CC	INTRON	101512950	protein root UVB sensitive 2, chloroplastic-like
SNP_21668B_45226837	Ca_Kabuli_Chr04	NC_021163.1	45226837	TT	CC	CC	INTRON	101512950	protein root UVB sensitive 2, chloroplastic-like
SNP_21669B_45226878	Ca_Kabuli_Chr04	NC_021163.1	45226878	TT	CC	CC	INTRON	101512950	protein root UVB sensitive 2, chloroplastic-like
SNP_21670B_45226882	Ca_Kabuli_Chr04	NC_021163.1	45226882	AA	CC	CC	INTRON	101512950	protein root UVB sensitive 2, chloroplastic-like
SNP_21672B_45227076	Ca_Kabuli_Chr04	NC_021163.1	45227076	TT	GG	GG	INTRON	101512950	protein root UVB sensitive 2, chloroplastic-like
SNP_21673B_45227095	Ca_Kabuli_Chr04	NC_021163.1	45227095	GG	AA	AA	INTRON	101512950	protein root UVB sensitive 2, chloroplastic-like
SNP_21674B_45227112	Ca_Kabuli_Chr04	NC_021163.1	45227112	TT	GG	GG	INTRON	101512950	protein root UVB sensitive 2, chloroplastic-like
SNP_21675B_45227155	Ca_Kabuli_Chr04	NC_021163.1	45227155	CC	TT	TT	INTRON	101512950	protein root UVB sensitive 2, chloroplastic-like
SNP_21676B_45227157	Ca_Kabuli_Chr04	NC_021163.1	45227157	AA	CC	CC	INTRON	101512950	protein root UVB sensitive 2, chloroplastic-like
SNP_21677B_45227161	Ca_Kabuli_Chr04	NC_021163.1	45227161	GG	AA	AA	INTRON	101512950	protein root UVB sensitive 2, chloroplastic-like
SNP_21678B_45228740	Ca_Kabuli_Chr04	NC_021163.1	45228740	AA	GG	GG	DRR	101513274	probable protein phosphatase 2C 72
SNP_21679B_45228905	Ca_Kabuli_Chr04	NC_021163.1	45228905	GG	CC	CC	DRR	101513274	probable protein phosphatase 2C 72
SNP_21680B_45231209	Ca_Kabuli_Chr04	NC_021163.1	45231209	GG	TT	TT	INTERGENIC		
SNP_21681B_45233677	Ca_Kabuli_Chr04	NC_021163.1	45233677	GG	AA	AA	URR	101513274	probable protein phosphatase 2C 72

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_21684B_45249558	Ca_Kabuli_Chr04	NC_021163.1	45249558	CC	GG	GG	INTERGENIC		
SNP_21685B_45258288	Ca_Kabuli_Chr04	NC_021163.1	45258288	TT	GG	GG	INTRON	101514688	vacuolar-processing enzyme-like
SNP_21686B_45261876	Ca_Kabuli_Chr04	NC_021163.1	45261876	TT	AA	AA	DRR	101513930	SWI5-dependent HO expression protein 3-like
SNP_21688B_45268350	Ca_Kabuli_Chr04	NC_021163.1	45268350	CC	TT	TT	INTRON	101513930	SWI5-dependent HO expression protein 3-like
SNP_21689B_45268374	Ca_Kabuli_Chr04	NC_021163.1	45268374	GG	TT	TT	INTRON	101513930	SWI5-dependent HO expression protein 3-like
SNP_21690B_45268375	Ca_Kabuli_Chr04	NC_021163.1	45268375	TT	AA	AA	INTRON	101513930	SWI5-dependent HO expression protein 3-like
SNP_21691B_45269300	Ca_Kabuli_Chr04	NC_021163.1	45269300	TT	AA	AA	URR	101513930	SWI5-dependent HO expression protein 3-like
SNP_21692B_45269649	Ca_Kabuli_Chr04	NC_021163.1	45269649	CC	GG	GG	URR	101513930	SWI5-dependent HO expression protein 3-like
SNP_21693B_45270083	Ca_Kabuli_Chr04	NC_021163.1	45270083	AA	GG	GG	URR	101513930	SWI5-dependent HO expression protein 3-like
SNP_21694B_45270587	Ca_Kabuli_Chr04	NC_021163.1	45270587	AA	GG	GG	URR	101513930	SWI5-dependent HO expression protein 3-like
SNP_21696B_45275735	Ca_Kabuli_Chr04	NC_021163.1	45275735	TT	CC	CC	SYNONYMOUS_STOP	id93252	Unknown function
SNP_21698B_45295287	Ca_Kabuli_Chr04	NC_021163.1	45295287	GG	AA	AA	INTERGENIC		
SNP_21699B_45295411	Ca_Kabuli_Chr04	NC_021163.1	45295411	TT	AA	AA	INTERGENIC		
SNP_21700B_45296255	Ca_Kabuli_Chr04	NC_021163.1	45296255	TT	AA	AA	INTERGENIC		
SNP_21701B_45296262	Ca_Kabuli_Chr04	NC_021163.1	45296262	AA	GG	GG	INTERGENIC		
SNP_21702B_45296445	Ca_Kabuli_Chr04	NC_021163.1	45296445	TT	CC	CC	INTERGENIC		
SNP_21703B_45296456	Ca_Kabuli_Chr04	NC_021163.1	45296456	AA	GG	GG	INTERGENIC		
SNP_21704B_45296457	Ca_Kabuli_Chr04	NC_021163.1	45296457	CC	TT	TT	INTERGENIC		
SNP_21705B_45296499	Ca_Kabuli_Chr04	NC_021163.1	45296499	CC	TT	TT	INTERGENIC		
SNP_21706B_45296505	Ca_Kabuli_Chr04	NC_021163.1	45296505	AA	GG	GG	INTERGENIC		
SNP_21707B_45296506	Ca_Kabuli_Chr04	NC_021163.1	45296506	GG	AA	AA	INTERGENIC		
SNP_21708B_45296509	Ca_Kabuli_Chr04	NC_021163.1	45296509	GG	AA	AA	INTERGENIC		
SNP_21709B_45296623	Ca_Kabuli_Chr04	NC_021163.1	45296623	GG	AA	AA	INTERGENIC		
SNP_21710B_45296982	Ca_Kabuli_Chr04	NC_021163.1	45296982	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_21711B_45297014	Ca_Kabuli_Chr04	NC_021163.1	45297014	AA	GG	GG	INTERGENIC		
SNP_21712B_45297262	Ca_Kabuli_Chr04	NC_021163.1	45297262	AA	GG	GG	INTERGENIC		
SNP_21713B_45298669	Ca_Kabuli_Chr04	NC_021163.1	45298669	CC	AA	AA	INTERGENIC		
SNP_21714B_45303306	Ca_Kabuli_Chr04	NC_021163.1	45303306	AA	CC	CC	INTERGENIC		
SNP_21715B_45319004	Ca_Kabuli_Chr04	NC_021163.1	45319004	CC	TT	TT	INTERGENIC		
SNP_21716B_45319010	Ca_Kabuli_Chr04	NC_021163.1	45319010	TT	AA	AA	INTERGENIC		
SNP_21717B_45319027	Ca_Kabuli_Chr04	NC_021163.1	45319027	AA	TT	TT	DRR	101489305	uncharacterized LOC101489305
SNP_21718B_45324620	Ca_Kabuli_Chr04	NC_021163.1	45324620	GG	CC	CC	URR	101489305	uncharacterized LOC101489305
SNP_21719B_45331394	Ca_Kabuli_Chr04	NC_021163.1	45331394	AA	GG	GG	INTERGENIC		
SNP_21720B_45331646	Ca_Kabuli_Chr04	NC_021163.1	45331646	AA	GG	GG	INTERGENIC		
SNP_21721B_45332685	Ca_Kabuli_Chr04	NC_021163.1	45332685	TT	CC	CC	INTERGENIC		
SNP_21722B_45333453	Ca_Kabuli_Chr04	NC_021163.1	45333453	AA	GG	GG	INTERGENIC		
SNP_21723B_45333473	Ca_Kabuli_Chr04	NC_021163.1	45333473	AA	CC	CC	INTERGENIC		
SNP_21724B_45333505	Ca_Kabuli_Chr04	NC_021163.1	45333505	TT	CC	CC	INTERGENIC		
SNP_21725B_45333731	Ca_Kabuli_Chr04	NC_021163.1	45333731	GG	AA	AA	INTERGENIC		
SNP_21726B_45333735	Ca_Kabuli_Chr04	NC_021163.1	45333735	AA	GG	GG	INTERGENIC		
SNP_21727B_45333753	Ca_Kabuli_Chr04	NC_021163.1	45333753	GG	AA	AA	INTERGENIC		
SNP_21728B_45333773	Ca_Kabuli_Chr04	NC_021163.1	45333773	GG	AA	AA	INTERGENIC		
SNP_21729B_45333777	Ca_Kabuli_Chr04	NC_021163.1	45333777	AA	GG	GG	INTERGENIC		
SNP_21730B_45333779	Ca_Kabuli_Chr04	NC_021163.1	45333779	GG	AA	AA	INTERGENIC		
SNP_21731B_45334402	Ca_Kabuli_Chr04	NC_021163.1	45334402	TT	CC	CC	DRR	101489628	exonuclease 3'-5' domain-containing protein 1
SNP_21732B_45334776	Ca_Kabuli_Chr04	NC_021163.1	45334776	CC	TT	TT	DRR	101489628	exonuclease 3'-5' domain-containing protein 1
SNP_21733B_45334819	Ca_Kabuli_Chr04	NC_021163.1	45334819	GG	AA	AA	DRR	101489628	exonuclease 3'-5' domain-containing protein 1
SNP_21735B_45339326	Ca_Kabuli_Chr04	NC_021163.1	45339326	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_21736B_45341247	Ca_Kabuli_Chr04	NC_021163.1	45341247	AA	GG	GG	URR	101489628	exonuclease 3'-5' domain-containing protein 1
SNP_21738B_45347724	Ca_Kabuli_Chr04	NC_021163.1	45347724	AA	GG	GG	INTRON	101489955	clathrin interactor EPSIN 1
SNP_21739B_45351163	Ca_Kabuli_Chr04	NC_021163.1	45351163	GG	AA	AA	INTERGENIC		
SNP_21740B_45352564	Ca_Kabuli_Chr04	NC_021163.1	45352564	GG	AA	AA	INTERGENIC		
SNP_21741B_45369208	Ca_Kabuli_Chr04	NC_021163.1	45369208	GG	AA	AA	URR	101490288	transcription factor RAX2-like
SNP_21742B_45371839	Ca_Kabuli_Chr04	NC_021163.1	45371839	GG	AA	AA	INTRON	101490606	uncharacterized LOC101490606
SNP_21743B_45376940	Ca_Kabuli_Chr04	NC_021163.1	45376940	GG	AA	AA	SYNONYMOUS_CODING	101490606	uncharacterized LOC101490606
SNP_21744B_45384129	Ca_Kabuli_Chr04	NC_021163.1	45384129	TT	GG	GG	INTERGENIC		
SNP_21745B_45384152	Ca_Kabuli_Chr04	NC_021163.1	45384152	AA	GG	GG	INTERGENIC		
SNP_21747B_45387936	Ca_Kabuli_Chr04	NC_021163.1	45387936	TT	CC	CC	INTERGENIC		
SNP_21748B_45390799	Ca_Kabuli_Chr04	NC_021163.1	45390799	GG	TT	TT	INTERGENIC		
SNP_21749B_45395105	Ca_Kabuli_Chr04	NC_021163.1	45395105	AA	GG	GG	INTERGENIC		
SNP_21750B_45395118	Ca_Kabuli_Chr04	NC_021163.1	45395118	AA	TT	TT	INTERGENIC		
SNP_21751B_45395163	Ca_Kabuli_Chr04	NC_021163.1	45395163	TT	AA	AA	INTERGENIC		
SNP_21752B_45395596	Ca_Kabuli_Chr04	NC_021163.1	45395596	TT	AA	AA	INTERGENIC		
SNP_21753B_45395610	Ca_Kabuli_Chr04	NC_021163.1	45395610	GG	AA	AA	INTERGENIC		
SNP_21754B_45396920	Ca_Kabuli_Chr04	NC_021163.1	45396920	GG	AA	AA	INTERGENIC		
SNP_21755B_45400280	Ca_Kabuli_Chr04	NC_021163.1	45400280	CC	TT	TT	INTERGENIC		
SNP_21756B_45400322	Ca_Kabuli_Chr04	NC_021163.1	45400322	AA	CC	CC	INTERGENIC		
SNP_21757B_45400327	Ca_Kabuli_Chr04	NC_021163.1	45400327	CC	TT	TT	INTERGENIC		
SNP_21758B_45400646	Ca_Kabuli_Chr04	NC_021163.1	45400646	GG	AA	AA	INTERGENIC		
SNP_21759B_45400685	Ca_Kabuli_Chr04	NC_021163.1	45400685	GG	AA	AA	INTERGENIC		
SNP_21761B_45414580	Ca_Kabuli_Chr04	NC_021163.1	45414580	AA	TT	TT	DRR	101490927	homeotic protein knotted-1
SNP_21763B_45416481	Ca_Kabuli_Chr04	NC_021163.1	45416481	AA	GG	GG	SYNONYMOUS_CODING	101490927	homeotic protein knotted-1

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_21764B_45418058	Ca_Kabuli_Chr04	NC_021163.1	45418058	GG	AA	AA	INTRON	101490927	homeotic protein knotted-1
SNP_21765B_45418059	Ca_Kabuli_Chr04	NC_021163.1	45418059	GG	AA	AA	INTRON	101490927	homeotic protein knotted-1
SNP_21766B_45418060	Ca_Kabuli_Chr04	NC_021163.1	45418060	CC	AA	AA	INTRON	101490927	homeotic protein knotted-1
SNP_21767B_45418064	Ca_Kabuli_Chr04	NC_021163.1	45418064	GG	AA	AA	INTRON	101490927	homeotic protein knotted-1
SNP_21768B_45422625	Ca_Kabuli_Chr04	NC_021163.1	45422625	GG	TT	TT	INTERGENIC		
SNP_21769B_45422635	Ca_Kabuli_Chr04	NC_021163.1	45422635	AA	GG	GG	INTERGENIC		
SNP_21770B_45430562	Ca_Kabuli_Chr04	NC_021163.1	45430562	AA	GG	GG	INTRON	101506634	homeobox-leucine zipper protein HAT9-like
SNP_21771B_45433454	Ca_Kabuli_Chr04	NC_021163.1	45433454	CC	TT	TT	INTERGENIC		
SNP_21772B_45437602	Ca_Kabuli_Chr04	NC_021163.1	45437602	GG	AA	AA	INTERGENIC		
SNP_21773B_45439659	Ca_Kabuli_Chr04	NC_021163.1	45439659	AA	CC	CC	INTERGENIC		
SNP_21774B_45470106	Ca_Kabuli_Chr04	NC_021163.1	45470106	GG	TT	TT	URR	101492212	CSC1-like protein RXW8
SNP_21775B_45472043	Ca_Kabuli_Chr04	NC_021163.1	45472043	GG	TT	TT	DRR	101492549	uncharacterized protein At3g49720-like
SNP_21776B_45551595	Ca_Kabuli_Chr04	NC_021163.1	45551595	CC	TT	TT	NON_SYNONYMOUS_CODING	101495883	AP2-like ethylene-responsive transcription factor ANT
SNP_21777B_45589880	Ca_Kabuli_Chr04	NC_021163.1	45589880	TT	CC	CC	INTERGENIC		
SNP_21778B_45590166	Ca_Kabuli_Chr04	NC_021163.1	45590166	GG	AA	AA	INTERGENIC		
SNP_21779B_45645663	Ca_Kabuli_Chr04	NC_021163.1	45645663	GG	AA	AA	INTERGENIC		
SNP_21780B_45645926	Ca_Kabuli_Chr04	NC_021163.1	45645926	AA	CC	CC	INTERGENIC		
SNP_21782B_45646086	Ca_Kabuli_Chr04	NC_021163.1	45646086	TT	AA	AA	INTERGENIC		
SNP_21783B_45646089	Ca_Kabuli_Chr04	NC_021163.1	45646089	CC	AA	AA	INTERGENIC		
SNP_21784B_45709391	Ca_Kabuli_Chr04	NC_021163.1	45709391	TT	AA	AA	URR	101508232	U-box domain-containing protein 30-like
SNP_21785B_45714154	Ca_Kabuli_Chr04	NC_021163.1	45714154	TT	AA	AA	DRR	101508556	uncharacterized LOC101508556
SNP_21786B_45752707	Ca_Kabuli_Chr04	NC_021163.1	45752707	CC	TT	TT	INTRON	101509617	uncharacterized LOC101509617
SNP_21787B_45752981	Ca_Kabuli_Chr04	NC_021163.1	45752981	GG	TT	TT	INTRON	101509617	uncharacterized LOC101509617
SNP_21788B_45756241	Ca_Kabuli_Chr04	NC_021163.1	45756241	AA	GG	GG	URR	101509617	uncharacterized LOC101509617

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_21789B_45756408	Ca_Kabuli_Chr04	NC_021163.1	45756408	GG	TT	TT	URR	101509617	uncharacterized LOC101509617
SNP_21790B_45756574	Ca_Kabuli_Chr04	NC_021163.1	45756574	AA	TT	TT	URR	101509617	uncharacterized LOC101509617
SNP_21791B_45756582	Ca_Kabuli_Chr04	NC_021163.1	45756582	TT	AA	AA	URR	101509617	uncharacterized LOC101509617
SNP_21792B_45756592	Ca_Kabuli_Chr04	NC_021163.1	45756592	GG	TT	TT	URR	101509617	uncharacterized LOC101509617
SNP_21793B_45756594	Ca_Kabuli_Chr04	NC_021163.1	45756594	GG	TT	AA	URR	101509617	uncharacterized LOC101509617
SNP_21794B_45756597	Ca_Kabuli_Chr04	NC_021163.1	45756597	TT	AA	AA	URR	101509617	uncharacterized LOC101509617
SNP_21795B_45771282	Ca_Kabuli_Chr04	NC_021163.1	45771282	CC	AA	AA	INTERGENIC		
SNP_21796B_45826278	Ca_Kabuli_Chr04	NC_021163.1	45826278	TT	CC	CC	INTERGENIC		
SNP_21798B_45915877	Ca_Kabuli_Chr04	NC_021163.1	45915877	CC	TT	TT	NON_SYNONYMOUS_CODING	101513489	beta-galactosidase-like
SNP_21799B_45941971	Ca_Kabuli_Chr04	NC_021163.1	45941971	CC	TT	TT	INTERGENIC		
SNP_21800B_45948691	Ca_Kabuli_Chr04	NC_021163.1	45948691	AA	GG	GG	URR	101488422	transcription factor bHLH85-like
SNP_21801B_45949984	Ca_Kabuli_Chr04	NC_021163.1	45949984	GG	TT	TT	INTERGENIC		
SNP_21804B_46005941	Ca_Kabuli_Chr04	NC_021163.1	46005941	CC	TT	TT	INTERGENIC		
SNP_21805B_46027446	Ca_Kabuli_Chr04	NC_021163.1	46027446	GG	CC	CC	INTERGENIC		
SNP_21806B_46031891	Ca_Kabuli_Chr04	NC_021163.1	46031891	CC	TT	TT	INTERGENIC		
SNP_21807B_46060502	Ca_Kabuli_Chr04	NC_021163.1	46060502	AA	GG	GG	INTERGENIC		
SNP_21808B_46060549	Ca_Kabuli_Chr04	NC_021163.1	46060549	AA	GG	GG	INTERGENIC		
SNP_21809B_46113467	Ca_Kabuli_Chr04	NC_021163.1	46113467	GG	AA	AA	INTERGENIC		
SNP_21810B_46127896	Ca_Kabuli_Chr04	NC_021163.1	46127896	AA	TT	TT	INTERGENIC		
SNP_21811B_46321989	Ca_Kabuli_Chr04	NC_021163.1	46321989	AA	GG	GG	INTERGENIC		
SNP_21812B_46322024	Ca_Kabuli_Chr04	NC_021163.1	46322024	AA	GG	GG	INTERGENIC		
SNP_21813B_46322268	Ca_Kabuli_Chr04	NC_021163.1	46322268	AA	GG	GG	INTERGENIC		
SNP_21814B_46322341	Ca_Kabuli_Chr04	NC_021163.1	46322341	GG	AA	AA	INTERGENIC		
SNP_21815B_46322521	Ca_Kabuli_Chr04	NC_021163.1	46322521	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_21816B_46322553	Ca_Kabuli_Chr04	NC_021163.1	46322553	GG	TT	TT	INTERGENIC		
SNP_21817B_46322560	Ca_Kabuli_Chr04	NC_021163.1	46322560	AA	GG	GG	INTERGENIC		
SNP_21818B_46377539	Ca_Kabuli_Chr04	NC_021163.1	46377539	AA	TT	TT	URR	101500855	uncharacterized LOC101500855
SNP_21819B_46385956	Ca_Kabuli_Chr04	NC_021163.1	46385956	CC	AA	AA	SYNONYMOUS_CODING	101488526	serine/threonine-protein phosphatase 7 long form homolog
SNP_21820B_46388109	Ca_Kabuli_Chr04	NC_021163.1	46388109	AA	GG	GG	URR	101488526	serine/threonine-protein phosphatase 7 long form homolog
SNP_21821B_46388170	Ca_Kabuli_Chr04	NC_021163.1	46388170	GG	TT	TT	URR	101488526	serine/threonine-protein phosphatase 7 long form homolog
SNP_21822B_46492967	Ca_Kabuli_Chr04	NC_021163.1	46492967	GG	TT	TT	URR	101489195	Unknown function
SNP_21824B_46494958	Ca_Kabuli_Chr04	NC_021163.1	46494958	AA	GG	GG	DRR	101489522	Unknown function
SNP_21825B_46495162	Ca_Kabuli_Chr04	NC_021163.1	46495162	TT	AA	AA	DRR	101489522	Unknown function
SNP_21826B_46495398	Ca_Kabuli_Chr04	NC_021163.1	46495398	AA	GG	GG	INTERGENIC		
SNP_21827B_46495580	Ca_Kabuli_Chr04	NC_021163.1	46495580	AA	GG	GG	INTERGENIC		
SNP_21828B_46495585	Ca_Kabuli_Chr04	NC_021163.1	46495585	GG	AA	AA	INTERGENIC		
SNP_21830B_46514924	Ca_Kabuli_Chr04	NC_021163.1	46514924	CC	AA	AA	INTERGENIC		
SNP_21831B_46546977	Ca_Kabuli_Chr04	NC_021163.1	46546977	CC	TT	TT	INTRON	101505548	serine/threonine-protein kinase 38-like
SNP_21832B_46583353	Ca_Kabuli_Chr04	NC_021163.1	46583353	GG	AA	AA	INTERGENIC		
SNP_21833B_46597677	Ca_Kabuli_Chr04	NC_021163.1	46597677	TT	GG	GG	URR	101506635	peroxisomal multifunctional enzyme type 2
SNP_21834B_46615573	Ca_Kabuli_Chr04	NC_021163.1	46615573	AA	GG	GG	INTERGENIC		
SNP_21836B_46705812	Ca_Kabuli_Chr04	NC_021163.1	46705812	CC	GG	GG	INTRON	101511984	patatin-like protein 2
SNP_21837B_46705819	Ca_Kabuli_Chr04	NC_021163.1	46705819	CC	TT	TT	INTRON	101511984	patatin-like protein 2
SNP_21838B_46705824	Ca_Kabuli_Chr04	NC_021163.1	46705824	CC	AA	AA	INTRON	101511984	patatin-like protein 2
SNP_21839B_46706563	Ca_Kabuli_Chr04	NC_021163.1	46706563	CC	TT	TT	URR	101511984	patatin-like protein 2
SNP_21840B_46708301	Ca_Kabuli_Chr04	NC_021163.1	46708301	GG	AA	AA	URR	101511984	patatin-like protein 2
SNP_21841B_46708837	Ca_Kabuli_Chr04	NC_021163.1	46708837	GG	CC	CC	INTERGENIC		
SNP_21842B_46708872	Ca_Kabuli_Chr04	NC_021163.1	46708872	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_21843B_46710092	Ca_Kabuli_Chr04	NC_021163.1	46710092	GG	AA	AA	INTERGENIC		
SNP_21844B_46710101	Ca_Kabuli_Chr04	NC_021163.1	46710101	AA	TT	TT	INTERGENIC		
SNP_21845B_46710144	Ca_Kabuli_Chr04	NC_021163.1	46710144	CC	TT	TT	INTERGENIC		
SNP_21846B_46710413	Ca_Kabuli_Chr04	NC_021163.1	46710413	AA	GG	GG	INTERGENIC		
SNP_21847B_46711452	Ca_Kabuli_Chr04	NC_021163.1	46711452	AA	TT	TT	INTERGENIC		
SNP_21850B_46717200	Ca_Kabuli_Chr04	NC_021163.1	46717200	CC	TT	TT	INTRON	101512730	uncharacterized LOC101512730
SNP_21851B_46723483	Ca_Kabuli_Chr04	NC_021163.1	46723483	AA	TT	TT	INTRON	101512730	uncharacterized LOC101512730
SNP_21852B_46730423	Ca_Kabuli_Chr04	NC_021163.1	46730423	TT	AA	AA	INTERGENIC		
SNP_21853B_46730428	Ca_Kabuli_Chr04	NC_021163.1	46730428	TT	CC	CC	INTERGENIC		
SNP_21855B_46730677	Ca_Kabuli_Chr04	NC_021163.1	46730677	GG	TT	TT	INTERGENIC		
SNP_21856B_46730679	Ca_Kabuli_Chr04	NC_021163.1	46730679	CC	TT	TT	INTERGENIC		
SNP_21857B_46730696	Ca_Kabuli_Chr04	NC_021163.1	46730696	TT	CC	CC	INTERGENIC		
SNP_21858B_46730702	Ca_Kabuli_Chr04	NC_021163.1	46730702	AA	GG	GG	INTERGENIC		
SNP_21859B_46730768	Ca_Kabuli_Chr04	NC_021163.1	46730768	CC	TT	TT	INTERGENIC		
SNP_21860B_46732476	Ca_Kabuli_Chr04	NC_021163.1	46732476	CC	GG	GG	NON_SYNONYMOUS_CODING	id94237	Unknown function
SNP_21862B_46734047	Ca_Kabuli_Chr04	NC_021163.1	46734047	GG	AA	AA	URR	101513490	probable inactive heme oxygenase 2, chloroplastic
SNP_21863B_46734469	Ca_Kabuli_Chr04	NC_021163.1	46734469	CC	TT	TT	URR	101513490	probable inactive heme oxygenase 2, chloroplastic
SNP_21864B_46735784	Ca_Kabuli_Chr04	NC_021163.1	46735784	GG	TT	TT	INTERGENIC		
SNP_21865B_46735954	Ca_Kabuli_Chr04	NC_021163.1	46735954	TT	AA	AA	INTERGENIC		
SNP_21866B_46736007	Ca_Kabuli_Chr04	NC_021163.1	46736007	TT	CC	CC	INTERGENIC		
SNP_21867B_46736306	Ca_Kabuli_Chr04	NC_021163.1	46736306	GG	CC	CC	URR	101490817	uncharacterized LOC101490817
SNP_21868B_46736847	Ca_Kabuli_Chr04	NC_021163.1	46736847	TT	CC	CC	URR	101490817	uncharacterized LOC101490817
SNP_21869B_46736862	Ca_Kabuli_Chr04	NC_021163.1	46736862	TT	CC	CC	URR	101490817	uncharacterized LOC101490817
SNP_21870B_46736929	Ca_Kabuli_Chr04	NC_021163.1	46736929	AA	GG	GG	URR	101490817	uncharacterized LOC101490817

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_21871B_46737747	Ca_Kabuli_Chr04	NC_021163.1	46737747	CC	TT	TT	DRR	101514142	uncharacterized LOC101514142
SNP_21872B_46737765	Ca_Kabuli_Chr04	NC_021163.1	46737765	GG	AA	AA	DRR	101514142	uncharacterized LOC101514142
SNP_21873B_46737892	Ca_Kabuli_Chr04	NC_021163.1	46737892	TT	AA	AA	DRR	101514142	uncharacterized LOC101514142
SNP_21874B_46738400	Ca_Kabuli_Chr04	NC_021163.1	46738400	TT	CC	CC	DRR	101514142	uncharacterized LOC101514142
SNP_21875B_46739039	Ca_Kabuli_Chr04	NC_021163.1	46739039	TT	AA	AA	INTERGENIC		
SNP_21876B_46741436	Ca_Kabuli_Chr04	NC_021163.1	46741436	AA	CC	CC	INTRON	101514142	uncharacterized LOC101514142
SNP_21877B_46753172	Ca_Kabuli_Chr04	NC_021163.1	46753172	TT	CC	CC	INTERGENIC		
SNP_21878B_46753203	Ca_Kabuli_Chr04	NC_021163.1	46753203	TT	CC	CC	INTERGENIC		
SNP_21879B_46753220	Ca_Kabuli_Chr04	NC_021163.1	46753220	AA	TT	TT	INTERGENIC		
SNP_21880B_46753267	Ca_Kabuli_Chr04	NC_021163.1	46753267	AA	CC	CC	INTERGENIC		
SNP_21881B_46753273	Ca_Kabuli_Chr04	NC_021163.1	46753273	CC	TT	TT	INTERGENIC		
SNP_21882B_46753488	Ca_Kabuli_Chr04	NC_021163.1	46753488	TT	AA	AA	INTERGENIC		
SNP_21883B_46753497	Ca_Kabuli_Chr04	NC_021163.1	46753497	CC	TT	TT	INTERGENIC		
SNP_21884B_46756165	Ca_Kabuli_Chr04	NC_021163.1	46756165	TT	CC	CC	NON_SYNONYMOUS_CODING	101514469	uncharacterized LOC101514469
SNP_21885B_46756168	Ca_Kabuli_Chr04	NC_021163.1	46756168	AA	GG	GG	NON_SYNONYMOUS_CODING	101514469	uncharacterized LOC101514469
SNP_21886B_46757859	Ca_Kabuli_Chr04	NC_021163.1	46757859	TT	GG	GG	URR	101514469	uncharacterized LOC101514469
SNP_21887B_46757954	Ca_Kabuli_Chr04	NC_021163.1	46757954	TT	AA	AA	URR	101514469	uncharacterized LOC101514469
SNP_21888B_46757969	Ca_Kabuli_Chr04	NC_021163.1	46757969	CC	TT	TT	URR	101514469	uncharacterized LOC101514469
SNP_21889B_46759449	Ca_Kabuli_Chr04	NC_021163.1	46759449	CC	TT	TT	INTERGENIC		
SNP_21890B_46760066	Ca_Kabuli_Chr04	NC_021163.1	46760066	GG	TT	TT	INTERGENIC		
SNP_21891B_46760077	Ca_Kabuli_Chr04	NC_021163.1	46760077	TT	AA	AA	INTERGENIC		
SNP_21892B_46760078	Ca_Kabuli_Chr04	NC_021163.1	46760078	TT	CC	CC	INTERGENIC		
SNP_21893B_46762709	Ca_Kabuli_Chr04	NC_021163.1	46762709	TT	AA	AA	INTERGENIC		
SNP_21894B_46766851	Ca_Kabuli_Chr04	NC_021163.1	46766851	CC	TT	TT	DRR	101515115	serine carboxypeptidase II-3-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_21895B_46766856	Ca_Kabuli_Chr04	NC_021163.1	46766856	CC	TT	TT	DRR	101515115	serine carboxypeptidase II-3-like
SNP_21896B_46767127	Ca_Kabuli_Chr04	NC_021163.1	46767127	CC	AA	AA	URR	101514793	polyadenylate-binding protein RBP47C-like
SNP_21897B_46767134	Ca_Kabuli_Chr04	NC_021163.1	46767134	TT	CC	CC	URR	101514793	polyadenylate-binding protein RBP47C-like
SNP_21898B_46767200	Ca_Kabuli_Chr04	NC_021163.1	46767200	TT	AA	AA	URR	101514793	polyadenylate-binding protein RBP47C-like
SNP_21899B_46769073	Ca_Kabuli_Chr04	NC_021163.1	46769073	AA	GG	GG	INTERGENIC		
SNP_21900B_46769077	Ca_Kabuli_Chr04	NC_021163.1	46769077	CC	AA	AA	INTERGENIC		
SNP_21901B_47193179	Ca_Kabuli_Chr04	NC_021163.1	47193179	AA	GG	GG	INTERGENIC		
SNP_21902B_47194407	Ca_Kabuli_Chr04	NC_021163.1	47194407	AA	GG	GG	INTERGENIC		
SNP_21903B_47199028	Ca_Kabuli_Chr04	NC_021163.1	47199028	TT	AA	AA	INTERGENIC		
SNP_21904B_47204773	Ca_Kabuli_Chr04	NC_021163.1	47204773	AA	GG	GG	INTERGENIC		
SNP_21905B_47206112	Ca_Kabuli_Chr04	NC_021163.1	47206112	GG	AA	AA	INTERGENIC		
SNP_21907B_47206313	Ca_Kabuli_Chr04	NC_021163.1	47206313	GG	AA	AA	INTERGENIC		
SNP_21908B_47209154	Ca_Kabuli_Chr04	NC_021163.1	47209154	GG	AA	AA	INTRON	101492550	probable disease resistance protein At4g33300
SNP_21909B_47210114	Ca_Kabuli_Chr04	NC_021163.1	47210114	GG	AA	AA	SYNONYMOUS_CODING	101492550	probable disease resistance protein At4g33300
SNP_21910B_47211119	Ca_Kabuli_Chr04	NC_021163.1	47211119	AA	GG	GG	NON_SYNONYMOUS_CODING	101492550	probable disease resistance protein At4g33300
SNP_21912B_47215867	Ca_Kabuli_Chr04	NC_021163.1	47215867	CC	TT	TT	INTERGENIC		
SNP_21913B_47216497	Ca_Kabuli_Chr04	NC_021163.1	47216497	TT	GG	GG	INTRON	101492877	probable disease resistance protein At4g33300
SNP_21914B_47218047	Ca_Kabuli_Chr04	NC_021163.1	47218047	TT	GG	GG	URR	101492877	probable disease resistance protein At4g33300
SNP_21915B_47218908	Ca_Kabuli_Chr04	NC_021163.1	47218908	AA	GG	GG	URR	101492877	probable disease resistance protein At4g33300
SNP_21916B_47219169	Ca_Kabuli_Chr04	NC_021163.1	47219169	TT	CC	CC	URR	101492877	probable disease resistance protein At4g33300
SNP_21917B_47220222	Ca_Kabuli_Chr04	NC_021163.1	47220222	CC	TT	TT	INTERGENIC		
SNP_21918B_47221809	Ca_Kabuli_Chr04	NC_021163.1	47221809	AA	CC	CC	DRR	101493208	nucleobase-ascorbate transporter 3
SNP_21919B_47223047	Ca_Kabuli_Chr04	NC_021163.1	47223047	AA	GG	GG	INTRON	101493208	nucleobase-ascorbate transporter 3
SNP_21920B_47230338	Ca_Kabuli_Chr04	NC_021163.1	47230338	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_21921B_47230549	Ca_Kabuli_Chr04	NC_021163.1	47230549	GG	AA	AA	INTERGENIC		
SNP_21922B_47230581	Ca_Kabuli_Chr04	NC_021163.1	47230581	GG	AA	AA	INTERGENIC		
SNP_21923B_47234671	Ca_Kabuli_Chr04	NC_021163.1	47234671	CC	TT	TT	DRR	101493524	uncharacterized LOC101493524
SNP_21925B_47238945	Ca_Kabuli_Chr04	NC_021163.1	47238945	GG	AA	AA	URR	101493524	uncharacterized LOC101493524
SNP_21927B_47242309	Ca_Kabuli_Chr04	NC_021163.1	47242309	CC	TT	TT	INTRON	101493841	B3 domain-containing protein Os01g0723500-like
SNP_21928B_47247638	Ca_Kabuli_Chr04	NC_021163.1	47247638	GG	AA	AA	INTERGENIC		
SNP_21929B_47256588	Ca_Kabuli_Chr04	NC_021163.1	47256588	AA	GG	GG	INTRON	101494479	B3 domain-containing protein REM16-like
SNP_21930B_47257048	Ca_Kabuli_Chr04	NC_021163.1	47257048	GG	AA	AA	INTRON	101494479	B3 domain-containing protein REM16-like
SNP_21931B_47305460	Ca_Kabuli_Chr04	NC_021163.1	47305460	AA	GG	GG	INTERGENIC		
SNP_21932B_47305468	Ca_Kabuli_Chr04	NC_021163.1	47305468	AA	GG	GG	INTERGENIC		
SNP_21933B_47332462	Ca_Kabuli_Chr04	NC_021163.1	47332462	AA	GG	GG	INTERGENIC		
SNP_21934B_47333767	Ca_Kabuli_Chr04	NC_021163.1	47333767	AA	GG	GG	INTERGENIC		
SNP_21935B_47405000	Ca_Kabuli_Chr04	NC_021163.1	47405000	TT	CC	CC	STOP_LOST	id94422	Unknown function
SNP_21936B_47456370	Ca_Kabuli_Chr04	NC_021163.1	47456370	GG	AA	AA	INTERGENIC		
SNP_21938B_47522529	Ca_Kabuli_Chr04	NC_021163.1	47522529	TT	AA	AA	INTERGENIC		
SNP_21939B_47552320	Ca_Kabuli_Chr04	NC_021163.1	47552320	TT	CC	CC	INTERGENIC		
SNP_21940B_47552332	Ca_Kabuli_Chr04	NC_021163.1	47552332	GG	TT	TT	INTERGENIC		
SNP_21941B_47669489	Ca_Kabuli_Chr04	NC_021163.1	47669489	CC	TT	TT	INTERGENIC		
SNP_21942B_47685837	Ca_Kabuli_Chr04	NC_021163.1	47685837	GG	TT	TT	INTERGENIC		
SNP_21944B_47686118	Ca_Kabuli_Chr04	NC_021163.1	47686118	AA	GG	GG	INTERGENIC		
SNP_21945B_47686129	Ca_Kabuli_Chr04	NC_021163.1	47686129	CC	TT	TT	INTERGENIC		
SNP_21946B_47686187	Ca_Kabuli_Chr04	NC_021163.1	47686187	AA	CC	CC	INTERGENIC		
SNP_21948B_47756775	Ca_Kabuli_Chr04	NC_021163.1	47756775	CC	AA	AA	URR	101509521	uncharacterized LOC101509521
SNP_21949B_47782034	Ca_Kabuli_Chr04	NC_021163.1	47782034	GG	AA	AA	DRR	101510706	uncharacterized protein At1g01500-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_21950B_47782297	Ca_Kabuli_Chr04	NC_021163.1	47782297	AA	GG	GG	URR	101510155	random slug protein 5
SNP_21951B_47838699	Ca_Kabuli_Chr04	NC_021163.1	47838699	AA	GG	GG	URR	101513491	probable LRR receptor-like serine/threonine-protein kinase At2g16250
SNP_21952B_47851126	Ca_Kabuli_Chr04	NC_021163.1	47851126	TT	CC	CC	DRR	101513794	protein RADIALIS-like 4
SNP_21953B_47935139	Ca_Kabuli_Chr04	NC_021163.1	47935139	AA	GG	GG	URR	101490607	proteasome subunit alpha type-1-B
SNP_21954B_47955884	Ca_Kabuli_Chr04	NC_021163.1	47955884	CC	GG	GG	INTRON	101489744	auxin response factor 5-like
SNP_21955B_47955965	Ca_Kabuli_Chr04	NC_021163.1	47955965	GG	AA	AA	INTRON	101489744	auxin response factor 5-like
SNP_21956B_47956147	Ca_Kabuli_Chr04	NC_021163.1	47956147	GG	TT	TT	INTRON	101489744	auxin response factor 5-like
SNP_21957B_47961212	Ca_Kabuli_Chr04	NC_021163.1	47961212	AA	TT	TT	INTRON	101489744	auxin response factor 5-like
SNP_21958B_47961664	Ca_Kabuli_Chr04	NC_021163.1	47961664	CC	TT	TT	INTRON	101489744	auxin response factor 5-like
SNP_21959B_47982180	Ca_Kabuli_Chr04	NC_021163.1	47982180	CC	GG	GG	URR	101491040	Unknown function
SNP_21960B_47982342	Ca_Kabuli_Chr04	NC_021163.1	47982342	TT	GG	GG	URR	101491040	Unknown function
SNP_21961B_47982400	Ca_Kabuli_Chr04	NC_021163.1	47982400	CC	AA	AA	URR	101491040	Unknown function
SNP_21962B_47982429	Ca_Kabuli_Chr04	NC_021163.1	47982429	TT	AA	AA	URR	101491040	Unknown function
SNP_21963B_47982458	Ca_Kabuli_Chr04	NC_021163.1	47982458	CC	TT	TT	URR	101491040	Unknown function
SNP_21964B_47982487	Ca_Kabuli_Chr04	NC_021163.1	47982487	GG	TT	TT	URR	101491040	Unknown function
SNP_21965B_47982567	Ca_Kabuli_Chr04	NC_021163.1	47982567	AA	GG	GG	URR	101491040	Unknown function
SNP_21966B_47982587	Ca_Kabuli_Chr04	NC_021163.1	47982587	TT	AA	AA	URR	101491040	Unknown function
SNP_21968B_47982839	Ca_Kabuli_Chr04	NC_021163.1	47982839	CC	TT	TT	URR	101491040	Unknown function
SNP_21969B_47990971	Ca_Kabuli_Chr04	NC_021163.1	47990971	TT	CC	CC	INTERGENIC		
SNP_21971B_47991452	Ca_Kabuli_Chr04	NC_021163.1	47991452	AA	GG	GG	INTERGENIC		
SNP_21972B_47997241	Ca_Kabuli_Chr04	NC_021163.1	47997241	CC	AA	AA	INTERGENIC		
SNP_21973B_47999511	Ca_Kabuli_Chr04	NC_021163.1	47999511	CC	TT	TT	INTERGENIC		
SNP_21974B_48027876	Ca_Kabuli_Chr04	NC_021163.1	48027876	AA	GG	GG	URR	101492767	dihydroflavonol-4-reductase
SNP_21977B_48202928	Ca_Kabuli_Chr04	NC_021163.1	48202928	GG	TT	TT	URR	101502242	protein SHI RELATED SEQUENCE 5-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_21978B_48205478	Ca_Kabuli_Chr04	NC_021163.1	48205478	CC	GG	GG	INTERGENIC		
SNP_21979B_48205923	Ca_Kabuli_Chr04	NC_021163.1	48205923	CC	TT	TT	INTERGENIC		
SNP_21981B_48206808	Ca_Kabuli_Chr04	NC_021163.1	48206808	AA	GG	GG	INTERGENIC		
SNP_21982B_48207413	Ca_Kabuli_Chr04	NC_021163.1	48207413	CC	TT	TT	INTERGENIC		
SNP_21984B_48217893	Ca_Kabuli_Chr04	NC_021163.1	48217893	AA	GG	GG	INTERGENIC		
SNP_21985B_48217916	Ca_Kabuli_Chr04	NC_021163.1	48217916	GG	AA	AA	INTERGENIC		
SNP_21987B_48235267	Ca_Kabuli_Chr04	NC_021163.1	48235267	TT	CC	CC	DRR	101503073	protein ACCUMULATION AND REPLICATION OF CHLOROPLASTS 6, chloroplastic
SNP_21988B_48237028	Ca_Kabuli_Chr04	NC_021163.1	48237028	AA	GG	GG	INTRON	101503073	protein ACCUMULATION AND REPLICATION OF CHLOROPLASTS 6, chloroplastic
SNP_21989B_48239201	Ca_Kabuli_Chr04	NC_021163.1	48239201	AA	GG	GG	INTRON	101503073	protein ACCUMULATION AND REPLICATION OF CHLOROPLASTS 6, chloroplastic
SNP_21990B_48241708	Ca_Kabuli_Chr04	NC_021163.1	48241708	CC	TT	TT	URR	101503073	protein ACCUMULATION AND REPLICATION OF CHLOROPLASTS 6, chloroplastic
SNP_21991B_48241716	Ca_Kabuli_Chr04	NC_021163.1	48241716	TT	CC	CC	URR	101503073	protein ACCUMULATION AND REPLICATION OF CHLOROPLASTS 6, chloroplastic
SNP_21992B_48244305	Ca_Kabuli_Chr04	NC_021163.1	48244305	GG	AA	AA	INTERGENIC		
SNP_21994B_48248170	Ca_Kabuli_Chr04	NC_021163.1	48248170	AA	GG	GG	INTERGENIC		
SNP_21995B_48256600	Ca_Kabuli_Chr04	NC_021163.1	48256600	CC	TT	TT	INTRON	101504170	DNA-directed RNA polymerase II subunit RPB2
SNP_21996B_48266889	Ca_Kabuli_Chr04	NC_021163.1	48266889	TT	CC	CC	INTERGENIC		
SNP_21997B_48268868	Ca_Kabuli_Chr04	NC_021163.1	48268868	TT	AA	AA	INTERGENIC		
SNP_21998B_48272422	Ca_Kabuli_Chr04	NC_021163.1	48272422	GG	AA	AA	SYNONYMOUS_CODING	101504496	lysine-specific histone demethylase 1 homolog 3
SNP_21999B_48272837	Ca_Kabuli_Chr04	NC_021163.1	48272837	CC	AA	AA	INTRON	101504496	lysine-specific histone demethylase 1 homolog 3
SNP_22000B_48278576	Ca_Kabuli_Chr04	NC_021163.1	48278576	GG	AA	AA	URR	101504496	lysine-specific histone demethylase 1 homolog 3
SNP_22001B_48278587	Ca_Kabuli_Chr04	NC_021163.1	48278587	TT	GG	GG	URR	101504496	lysine-specific histone demethylase 1 homolog 3
SNP_22002B_48291923	Ca_Kabuli_Chr04	NC_021163.1	48291923	CC	AA	AA	INTERGENIC		
SNP_22003B_48291926	Ca_Kabuli_Chr04	NC_021163.1	48291926	TT	CC	CC	INTERGENIC		
SNP_22004B_48291927	Ca_Kabuli_Chr04	NC_021163.1	48291927	CC	AA	AA	INTERGENIC		
SNP_22005B_48300164	Ca_Kabuli_Chr04	NC_021163.1	48300164	CC	TT	TT	DRR	101508045	60S ribosomal protein L13a-4

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_22006B_48310843	Ca_Kabuli_Chr04	NC_021163.1	48310843	AA	TT	TT	INTRON	101507405	protein BASIC PENTACYSTEINE6
SNP_22007B_48314503	Ca_Kabuli_Chr04	NC_021163.1	48314503	AA	CC	CC	URR	101507405	protein BASIC PENTACYSTEINE6
SNP_22009B_48315535	Ca_Kabuli_Chr04	NC_021163.1	48315535	TT	AA	AA	URR	101507405	protein BASIC PENTACYSTEINE6
SNP_22010B_48315862	Ca_Kabuli_Chr04	NC_021163.1	48315862	AA	CC	CC	URR	101507405	protein BASIC PENTACYSTEINE6
SNP_22011B_48316479	Ca_Kabuli_Chr04	NC_021163.1	48316479	GG	AA	AA	INTERGENIC		
SNP_22012B_48323465	Ca_Kabuli_Chr04	NC_021163.1	48323465	TT	GG	GG	DRR	101506523	cytochrome P450 71A1-like
SNP_22013B_48325103	Ca_Kabuli_Chr04	NC_021163.1	48325103	TT	CC	CC	INTERGENIC		
SNP_22014B_48325611	Ca_Kabuli_Chr04	NC_021163.1	48325611	GG	AA	AA	INTERGENIC		
SNP_22015B_48326201	Ca_Kabuli_Chr04	NC_021163.1	48326201	CC	TT	TT	URR	101506523	cytochrome P450 71A1-like
SNP_22016B_48326893	Ca_Kabuli_Chr04	NC_021163.1	48326893	TT	AA	AA	URR	101506523	cytochrome P450 71A1-like
SNP_22017B_48326898	Ca_Kabuli_Chr04	NC_021163.1	48326898	AA	TT	TT	URR	101506523	cytochrome P450 71A1-like
SNP_22018B_48326952	Ca_Kabuli_Chr04	NC_021163.1	48326952	CC	TT	TT	URR	101506523	cytochrome P450 71A1-like
SNP_22019B_48326976	Ca_Kabuli_Chr04	NC_021163.1	48326976	TT	AA	AA	URR	101506523	cytochrome P450 71A1-like
SNP_22020B_48327014	Ca_Kabuli_Chr04	NC_021163.1	48327014	AA	TT	TT	URR	101506523	cytochrome P450 71A1-like
SNP_22021B_48338164	Ca_Kabuli_Chr04	NC_021163.1	48338164	GG	TT	TT	INTERGENIC		
SNP_22022B_48338189	Ca_Kabuli_Chr04	NC_021163.1	48338189	AA	GG	GG	INTERGENIC		
SNP_22023B_48340934	Ca_Kabuli_Chr04	NC_021163.1	48340934	CC	TT	TT	INTERGENIC		
SNP_22024B_48341241	Ca_Kabuli_Chr04	NC_021163.1	48341241	TT	CC	CC	INTERGENIC		
SNP_22025B_48343363	Ca_Kabuli_Chr04	NC_021163.1	48343363	TT	CC	CC	DRR	101492650	protein IQ-DOMAIN 32
SNP_22026B_48347400	Ca_Kabuli_Chr04	NC_021163.1	48347400	AA	TT	TT	SYNONYMOUS_CODING	101492650	protein IQ-DOMAIN 32
SNP_22028B_48351855	Ca_Kabuli_Chr04	NC_021163.1	48351855	TT	GG	GG	DRR	101508355	small RNA degrading nuclease 1-like
SNP_22029B_48359900	Ca_Kabuli_Chr04	NC_021163.1	48359900	GG	TT	TT	DRR	101508671	probable pre-mRNA-splicing factor ATP-dependent RNA helicase
SNP_22030B_48361612	Ca_Kabuli_Chr04	NC_021163.1	48361612	GG	TT	TT	INTERGENIC		
SNP_22031B_48366445	Ca_Kabuli_Chr04	NC_021163.1	48366445	AA	GG	GG	URR	101508671	probable pre-mRNA-splicing factor ATP-dependent RNA helicase

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_22032B_48369088	Ca_Kabuli_Chr04	NC_021163.1	48369088	CC	TT	TT	INTERGENIC		
SNP_22033B_48382145	Ca_Kabuli_Chr04	NC_021163.1	48382145	CC	TT	TT	SYNONYMOUS_CODING	101509304	auxin response factor 5
SNP_22034B_48382666	Ca_Kabuli_Chr04	NC_021163.1	48382666	CC	GG	GG	NON_SYNONYMOUS_CODING	101509304	auxin response factor 5
SNP_22035B_48403777	Ca_Kabuli_Chr04	NC_021163.1	48403777	TT	CC	CC	INTERGENIC		
SNP_22036B_48404005	Ca_Kabuli_Chr04	NC_021163.1	48404005	CC	TT	TT	INTERGENIC		
SNP_22037B_48404613	Ca_Kabuli_Chr04	NC_021163.1	48404613	GG	TT	TT	INTERGENIC		
SNP_22038B_48404846	Ca_Kabuli_Chr04	NC_021163.1	48404846	TT	AA	AA	INTERGENIC		
SNP_22040B_48407035	Ca_Kabuli_Chr04	NC_021163.1	48407035	CC	TT	TT	INTERGENIC		
SNP_22041B_48428864	Ca_Kabuli_Chr04	NC_021163.1	48428864	CC	AA	AA	DRR	101509619	auxin-induced protein 6B-like
SNP_22042B_48431353	Ca_Kabuli_Chr04	NC_021163.1	48431353	TT	AA	AA	URR	101509619	auxin-induced protein 6B-like
SNP_22043B_48432057	Ca_Kabuli_Chr04	NC_021163.1	48432057	AA	GG	GG	URR	101509619	auxin-induced protein 6B-like
SNP_22044B_48432397	Ca_Kabuli_Chr04	NC_021163.1	48432397	AA	GG	GG	INTERGENIC		
SNP_22045B_48434622	Ca_Kabuli_Chr04	NC_021163.1	48434622	GG	AA	AA	INTERGENIC		
SNP_22046B_48434640	Ca_Kabuli_Chr04	NC_021163.1	48434640	TT	CC	CC	INTERGENIC		
SNP_22047B_48434699	Ca_Kabuli_Chr04	NC_021163.1	48434699	AA	GG	GG	INTERGENIC		
SNP_22048B_48434828	Ca_Kabuli_Chr04	NC_021163.1	48434828	AA	TT	TT	INTERGENIC		
SNP_22049B_48435124	Ca_Kabuli_Chr04	NC_021163.1	48435124	GG	AA	AA	INTERGENIC		
SNP_22050B_48436642	Ca_Kabuli_Chr04	NC_021163.1	48436642	AA	GG	GG	INTERGENIC		
SNP_22051B_48436956	Ca_Kabuli_Chr04	NC_021163.1	48436956	GG	AA	AA	INTERGENIC		
SNP_22052B_48440235	Ca_Kabuli_Chr04	NC_021163.1	48440235	GG	AA	AA	INTERGENIC		
SNP_22053B_48440250	Ca_Kabuli_Chr04	NC_021163.1	48440250	TT	GG	GG	INTERGENIC		
SNP_22054B_48443345	Ca_Kabuli_Chr04	NC_021163.1	48443345	CC	TT	TT	INTERGENIC		
SNP_22055B_48443507	Ca_Kabuli_Chr04	NC_021163.1	48443507	CC	TT	TT	INTERGENIC		
SNP_22056B_48444140	Ca_Kabuli_Chr04	NC_021163.1	48444140	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_22057B_48445117	Ca_Kabuli_Chr04	NC_021163.1	48445117	GG	AA	AA	INTERGENIC		
SNP_22058B_48445275	Ca_Kabuli_Chr04	NC_021163.1	48445275	CC	TT	TT	INTERGENIC		
SNP_22059B_48446181	Ca_Kabuli_Chr04	NC_021163.1	48446181	CC	TT	TT	INTERGENIC		
SNP_22060B_48448889	Ca_Kabuli_Chr04	NC_021163.1	48448889	CC	TT	TT	INTERGENIC		
SNP_22061B_48448892	Ca_Kabuli_Chr04	NC_021163.1	48448892	CC	TT	TT	INTERGENIC		
SNP_22062B_48449337	Ca_Kabuli_Chr04	NC_021163.1	48449337	AA	GG	GG	INTERGENIC		
SNP_22063B_48449364	Ca_Kabuli_Chr04	NC_021163.1	48449364	TT	CC	CC	INTERGENIC		
SNP_22065B_48461884	Ca_Kabuli_Chr04	NC_021163.1	48461884	TT	CC	CC	INTERGENIC		
SNP_22066B_48461903	Ca_Kabuli_Chr04	NC_021163.1	48461903	GG	TT	TT	INTERGENIC		
SNP_22067B_48472943	Ca_Kabuli_Chr04	NC_021163.1	48472943	CC	AA	AA	INTERGENIC		
SNP_22068B_48477664	Ca_Kabuli_Chr04	NC_021163.1	48477664	TT	CC	CC	INTERGENIC		
SNP_22069B_48488188	Ca_Kabuli_Chr04	NC_021163.1	48488188	TT	AA	AA	INTERGENIC		
SNP_22070B_48493684	Ca_Kabuli_Chr04	NC_021163.1	48493684	GG	CC	CC	INTERGENIC		
SNP_22071B_48494614	Ca_Kabuli_Chr04	NC_021163.1	48494614	CC	TT	TT	DRR	101512208	HVA22-like protein i
SNP_22072B_48494914	Ca_Kabuli_Chr04	NC_021163.1	48494914	AA	GG	GG	DRR	101512208	HVA22-like protein i
SNP_22073B_48499469	Ca_Kabuli_Chr04	NC_021163.1	48499469	GG	TT	TT	DRR	101512731	tRNA (adenine(58)-N(1))-methyltransferase non-catalytic subunit trm6
SNP_22074B_48499477	Ca_Kabuli_Chr04	NC_021163.1	48499477	TT	GG	GG	DRR	101512731	tRNA (adenine(58)-N(1))-methyltransferase non-catalytic subunit trm6
SNP_22075B_48503841	Ca_Kabuli_Chr04	NC_021163.1	48503841	CC	AA	AA	INTRON	101512731	tRNA (adenine(58)-N(1))-methyltransferase non-catalytic subunit trm6
SNP_22076B_48505584	Ca_Kabuli_Chr04	NC_021163.1	48505584	CC	AA	AA	INTRON	101512731	tRNA (adenine(58)-N(1))-methyltransferase non-catalytic subunit trm6
SNP_22077B_48516540	Ca_Kabuli_Chr04	NC_021163.1	48516540	TT	CC	CC	DRR	101513058	uncharacterized LOC101513058
SNP_22078B_48516573	Ca_Kabuli_Chr04	NC_021163.1	48516573	CC	AA	AA	DRR	101513058	uncharacterized LOC101513058
SNP_22080B_48520857	Ca_Kabuli_Chr04	NC_021163.1	48520857	CC	AA	AA	INTRON	101513058	uncharacterized LOC101513058
SNP_22081B_48541105	Ca_Kabuli_Chr04	NC_021163.1	48541105	GG	TT	TT	INTERGENIC		
SNP_22082B_48575242	Ca_Kabuli_Chr04	NC_021163.1	48575242	GG	TT	TT	URR	101493842	UPF0329 protein ECU05_1680/ECU11_0050-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_22085B_48580382	Ca_Kabuli_Chr04	NC_021163.1	48580382	GG	AA	AA	INTERGENIC		
SNP_22086B_48620682	Ca_Kabuli_Chr04	NC_021163.1	48620682	AA	GG	GG	DRR	101496217	uncharacterized LOC101496217
SNP_22087B_48662062	Ca_Kabuli_Chr04	NC_021163.1	48662062	GG	CC	CC	INTERGENIC		
SNP_22088B_48662367	Ca_Kabuli_Chr04	NC_021163.1	48662367	AA	GG	GG	INTERGENIC		
SNP_22089B_48662828	Ca_Kabuli_Chr04	NC_021163.1	48662828	GG	AA	AA	INTERGENIC		
SNP_22090B_48663817	Ca_Kabuli_Chr04	NC_021163.1	48663817	CC	GG	GG	INTERGENIC		
SNP_22091B_48665225	Ca_Kabuli_Chr04	NC_021163.1	48665225	TT	CC	CC	INTERGENIC		
SNP_22092B_48665517	Ca_Kabuli_Chr04	NC_021163.1	48665517	AA	GG	GG	INTERGENIC		
SNP_22093B_48666819	Ca_Kabuli_Chr04	NC_021163.1	48666819	TT	CC	CC	INTERGENIC		
SNP_22094B_48667177	Ca_Kabuli_Chr04	NC_021163.1	48667177	TT	CC	CC	INTERGENIC		
SNP_22096B_48670628	Ca_Kabuli_Chr04	NC_021163.1	48670628	CC	AA	AA	INTERGENIC		
SNP_22097B_48670878	Ca_Kabuli_Chr04	NC_021163.1	48670878	CC	TT	TT	INTERGENIC		
SNP_22098B_48671311	Ca_Kabuli_Chr04	NC_021163.1	48671311	TT	AA	AA	DRR	101498178	uncharacterized LOC101498178
SNP_22099B_48680998	Ca_Kabuli_Chr04	NC_021163.1	48680998	TT	CC	CC	INTERGENIC		
SNP_22100B_48681589	Ca_Kabuli_Chr04	NC_021163.1	48681589	TT	AA	AA	INTERGENIC		
SNP_22101B_48681625	Ca_Kabuli_Chr04	NC_021163.1	48681625	AA	GG	GG	INTERGENIC		
SNP_22102B_48685996	Ca_Kabuli_Chr04	NC_021163.1	48685996	TT	CC	CC	DRR	101499272	synaptotagmin-2-like
SNP_22103B_48687080	Ca_Kabuli_Chr04	NC_021163.1	48687080	CC	AA	AA	INTRON	101499272	synaptotagmin-2-like
SNP_22104B_48687096	Ca_Kabuli_Chr04	NC_021163.1	48687096	AA	GG	GG	INTRON	101499272	synaptotagmin-2-like
SNP_22105B_48687110	Ca_Kabuli_Chr04	NC_021163.1	48687110	AA	GG	GG	INTRON	101499272	synaptotagmin-2-like
SNP_22106B_48687126	Ca_Kabuli_Chr04	NC_021163.1	48687126	CC	TT	TT	INTRON	101499272	synaptotagmin-2-like
SNP_22107B_48687769	Ca_Kabuli_Chr04	NC_021163.1	48687769	AA	TT	TT	INTRON	101499272	synaptotagmin-2-like
SNP_22108B_48691889	Ca_Kabuli_Chr04	NC_021163.1	48691889	GG	TT	TT	URR	101499272	synaptotagmin-2-like
SNP_22109B_48692146	Ca_Kabuli_Chr04	NC_021163.1	48692146	AA	GG	GG	URR	101499272	synaptotagmin-2-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_22110B_48692157	Ca_Kabuli_Chr04	NC_021163.1	48692157	AA	CC	CC	URR	101499272	synaptotagmin-2-like
SNP_22111B_48692164	Ca_Kabuli_Chr04	NC_021163.1	48692164	TT	CC	CC	URR	101499272	synaptotagmin-2-like
SNP_22112B_48692181	Ca_Kabuli_Chr04	NC_021163.1	48692181	TT	CC	CC	URR	101499272	synaptotagmin-2-like
SNP_22113B_48692903	Ca_Kabuli_Chr04	NC_021163.1	48692903	CC	TT	TT	INTERGENIC		
SNP_22114B_48695362	Ca_Kabuli_Chr04	NC_021163.1	48695362	AA	GG	GG	INTERGENIC		
SNP_22115B_48697710	Ca_Kabuli_Chr04	NC_021163.1	48697710	AA	GG	GG	INTERGENIC		
SNP_22116B_48697751	Ca_Kabuli_Chr04	NC_021163.1	48697751	TT	CC	CC	INTERGENIC		
SNP_22117B_48706437	Ca_Kabuli_Chr04	NC_021163.1	48706437	GG	AA	AA	INTERGENIC		
SNP_22118B_48708364	Ca_Kabuli_Chr04	NC_021163.1	48708364	GG	AA	AA	DRR	101500111	vacuolar protein sorting-associated protein 35B
SNP_22120B_48711496	Ca_Kabuli_Chr04	NC_021163.1	48711496	GG	AA	AA	INTERGENIC		
SNP_22122B_48714724	Ca_Kabuli_Chr04	NC_021163.1	48714724	CC	TT	TT	INTERGENIC		
SNP_22124B_48719216	Ca_Kabuli_Chr04	NC_021163.1	48719216	GG	AA	AA	DRR	101500442	DNA ligase 1-like
SNP_22125B_48723111	Ca_Kabuli_Chr04	NC_021163.1	48723111	AA	CC	CC	URR	101500442	DNA ligase 1-like
SNP_22126B_48723454	Ca_Kabuli_Chr04	NC_021163.1	48723454	TT	CC	CC	URR	101500442	DNA ligase 1-like
SNP_22127B_48723466	Ca_Kabuli_Chr04	NC_021163.1	48723466	TT	CC	CC	URR	101500442	DNA ligase 1-like
SNP_22128B_48723468	Ca_Kabuli_Chr04	NC_021163.1	48723468	GG	AA	AA	URR	101500442	DNA ligase 1-like
SNP_22129B_48723473	Ca_Kabuli_Chr04	NC_021163.1	48723473	AA	TT	TT	URR	101500442	DNA ligase 1-like
SNP_22130B_48723745	Ca_Kabuli_Chr04	NC_021163.1	48723745	GG	AA	AA	INTERGENIC		
SNP_22131B_48725723	Ca_Kabuli_Chr04	NC_021163.1	48725723	TT	GG	GG	INTERGENIC		
SNP_22132B_48725725	Ca_Kabuli_Chr04	NC_021163.1	48725725	CC	AA	AA	INTERGENIC		
SNP_22133B_48725731	Ca_Kabuli_Chr04	NC_021163.1	48725731	GG	TT	TT	INTERGENIC		
SNP_22134B_48725743	Ca_Kabuli_Chr04	NC_021163.1	48725743	AA	GG	GG	INTERGENIC		
SNP_22135B_48729928	Ca_Kabuli_Chr04	NC_021163.1	48729928	AA	GG	GG	INTRON	101501695	Unknown function
SNP_22136B_48740557	Ca_Kabuli_Chr04	NC_021163.1	48740557	AA	GG	GG	INTRON	101500754	GDSL esterase/lipase EXL1-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_22137B_48740558	Ca_Kabuli_Chr04	NC_021163.1	48740558	GG	CC	CC	INTRON	101500754	GDSL esterase/lipase EXL1-like
SNP_22138B_48740572	Ca_Kabuli_Chr04	NC_021163.1	48740572	AA	GG	GG	INTRON	101500754	GDSL esterase/lipase EXL1-like
SNP_22139B_48740578	Ca_Kabuli_Chr04	NC_021163.1	48740578	AA	GG	GG	INTRON	101500754	GDSL esterase/lipase EXL1-like
SNP_22140B_48742386	Ca_Kabuli_Chr04	NC_021163.1	48742386	TT	AA	AA	INTRON	101500754	GDSL esterase/lipase EXL1-like
SNP_22142B_48755155	Ca_Kabuli_Chr04	NC_021163.1	48755155	CC	TT	TT	INTERGENIC		
SNP_22143B_48760624	Ca_Kabuli_Chr04	NC_021163.1	48760624	CC	AA	AA	INTERGENIC		
SNP_22144B_48760983	Ca_Kabuli_Chr04	NC_021163.1	48760983	AA	GG	GG	INTERGENIC		
SNP_22145B_48772357	Ca_Kabuli_Chr04	NC_021163.1	48772357	AA	GG	GG	URR	101502350	GDSL esterase/lipase At1g73610-like
SNP_22146B_48772362	Ca_Kabuli_Chr04	NC_021163.1	48772362	AA	TT	TT	URR	101502350	GDSL esterase/lipase At1g73610-like
SNP_22147B_48772398	Ca_Kabuli_Chr04	NC_021163.1	48772398	AA	GG	GG	URR	101502350	GDSL esterase/lipase At1g73610-like
SNP_22148B_48784112	Ca_Kabuli_Chr04	NC_021163.1	48784112	GG	AA	AA	INTERGENIC		
SNP_22149B_48784113	Ca_Kabuli_Chr04	NC_021163.1	48784113	AA	TT	TT	INTERGENIC		
SNP_22150B_48786553	Ca_Kabuli_Chr04	NC_021163.1	48786553	AA	GG	GG	INTRON	101502657	GDSL esterase/lipase EXL1-like
SNP_22152B_48798668	Ca_Kabuli_Chr04	NC_021163.1	48798668	GG	AA	AA	URR	101502971	GDSL esterase/lipase EXL1-like
SNP_22153B_48801618	Ca_Kabuli_Chr04	NC_021163.1	48801618	CC	TT	TT	INTERGENIC		
SNP_22154B_48810139	Ca_Kabuli_Chr04	NC_021163.1	48810139	AA	GG	GG	INTERGENIC		
SNP_22155B_48810707	Ca_Kabuli_Chr04	NC_021163.1	48810707	AA	CC	CC	INTERGENIC		
SNP_22156B_48812575	Ca_Kabuli_Chr04	NC_021163.1	48812575	CC	TT	TT	INTERGENIC		
SNP_22157B_48813901	Ca_Kabuli_Chr04	NC_021163.1	48813901	TT	CC	CC	INTERGENIC		
SNP_22158B_48824581	Ca_Kabuli_Chr04	NC_021163.1	48824581	GG	AA	AA	DRR	101503294	GDSL esterase/lipase EXL1-like
SNP_22159B_48832104	Ca_Kabuli_Chr04	NC_021163.1	48832104	TT	AA	AA	INTERGENIC		
SNP_22161B_48849704	Ca_Kabuli_Chr04	NC_021163.1	48849704	TT	CC	CC	INTERGENIC		
SNP_22162B_48849718	Ca_Kabuli_Chr04	NC_021163.1	48849718	AA	GG	GG	INTERGENIC		
SNP_22163B_48850011	Ca_Kabuli_Chr04	NC_021163.1	48850011	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_22164B_48853416	Ca_Kabuli_Chr04	NC_021163.1	48853416	AA	TT	TT	INTERGENIC		
SNP_22165B_48864515	Ca_Kabuli_Chr04	NC_021163.1	48864515	GG	TT	TT	INTERGENIC		
SNP_22166B_48873354	Ca_Kabuli_Chr04	NC_021163.1	48873354	GG	TT	TT	INTERGENIC		
SNP_22167B_48879970	Ca_Kabuli_Chr04	NC_021163.1	48879970	AA	GG	GG	INTERGENIC		
SNP_22168B_48975084	Ca_Kabuli_Chr04	NC_021163.1	48975084	GG	AA	AA	INTERGENIC		
SNP_22169B_48975423	Ca_Kabuli_Chr04	NC_021163.1	48975423	TT	GG	GG	INTERGENIC		
SNP_22170B_49107112	Ca_Kabuli_Chr04	NC_021163.1	49107112	CC	AA	AA	INTRON	101512732	chlorophyll a-b binding protein of LHCII type 1
SNP_22171B_49159025	Ca_Kabuli_Chr04	NC_021163.1	49159025	CC	TT	TT	INTERGENIC		
SNP_22172B_49163046	Ca_Kabuli_Chr04	NC_021163.1	49163046	AA	GG	GG	INTERGENIC		
SNP_22173B_49168775	Ca_Kabuli_Chr04	NC_021163.1	49168775	GG	TT	TT	INTRON	101515116	ATP-dependent DNA helicase DDM1-like
SNP_22174B_49191450	Ca_Kabuli_Chr04	NC_021163.1	49191450	TT	CC	CC	INTERGENIC		
SNP_22175B_27938	Ca_Kabuli_Chr05	NC_021164.1	27938	AA	GG	GG	URR	101488978	ATP-dependent 6-phosphofructokinase 2
SNP_22176B_44701	Ca_Kabuli_Chr05	NC_021164.1	44701	TT	CC	CC	INTRON	101503521	microtubule-associated protein futsch-like
SNP_22177B_44722	Ca_Kabuli_Chr05	NC_021164.1	44722	AA	CC	CC	INTRON	101503521	microtubule-associated protein futsch-like
SNP_22178B_44889	Ca_Kabuli_Chr05	NC_021164.1	44889	TT	CC	CC	SYNONYMOUS_CODING	101503521	microtubule-associated protein futsch-like
SNP_22179B_50507	Ca_Kabuli_Chr05	NC_021164.1	50507	TT	AA	AA	INTERGENIC		
SNP_22180B_57602	Ca_Kabuli_Chr05	NC_021164.1	57602	CC	TT	TT	URR	101503857	Unknown function
SNP_22182B_101170	Ca_Kabuli_Chr05	NC_021164.1	101170	AA	GG	GG	INTERGENIC		
SNP_22184B_131707	Ca_Kabuli_Chr05	NC_021164.1	131707	TT	CC	CC	SYNONYMOUS_CODING	101491246	PCTP-like protein
SNP_22186B_133179	Ca_Kabuli_Chr05	NC_021164.1	133179	TT	AA	AA	URR	101491246	PCTP-like protein
SNP_22188B_133441	Ca_Kabuli_Chr05	NC_021164.1	133441	TT	CC	CC	URR	101491246	PCTP-like protein
SNP_22192B_134858	Ca_Kabuli_Chr05	NC_021164.1	134858	CC	AA	AA	INTERGENIC		
SNP_22193B_134871	Ca_Kabuli_Chr05	NC_021164.1	134871	CC	TT	TT	INTERGENIC		
SNP_22194B_134888	Ca_Kabuli_Chr05	NC_021164.1	134888	CC	TT	TT	INTERGENIC		

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SNP_22195B_134892	Ca_Kabuli_Chr05	NC_021164.1	134892	AA	GG	GG	INTERGENIC		
SNP_22196B_135033	Ca_Kabuli_Chr05	NC_021164.1	135033	AA	GG	GG	INTERGENIC		
SNP_22197B_135685	Ca_Kabuli_Chr05	NC_021164.1	135685	GG	AA	AA	DRR	101491768	uncharacterized LOC101491768
SNP_22198B_135931	Ca_Kabuli_Chr05	NC_021164.1	135931	CC	TT	TT	DRR	101491768	uncharacterized LOC101491768
SNP_22199B_136021	Ca_Kabuli_Chr05	NC_021164.1	136021	TT	AA	AA	DRR	101491768	uncharacterized LOC101491768
SNP_22200B_148420	Ca_Kabuli_Chr05	NC_021164.1	148420	AA	GG	GG	INTERGENIC		
SNP_22201B_158539	Ca_Kabuli_Chr05	NC_021164.1	158539	AA	TT	TT	INTERGENIC		
SNP_22203B_158835	Ca_Kabuli_Chr05	NC_021164.1	158835	TT	AA	AA	INTERGENIC		
SNP_22204B_164185	Ca_Kabuli_Chr05	NC_021164.1	164185	TT	GG	GG	DRR	101492434	NAC domain-containing protein 72
SNP_22205B_168218	Ca_Kabuli_Chr05	NC_021164.1	168218	CC	TT	TT	URR	101492434	NAC domain-containing protein 72
SNP_22206B_168529	Ca_Kabuli_Chr05	NC_021164.1	168529	GG	AA	AA	URR	101492434	NAC domain-containing protein 72
SNP_22207B_168573	Ca_Kabuli_Chr05	NC_021164.1	168573	AA	TT	TT	URR	101492434	NAC domain-containing protein 72
SNP_22208B_178588	Ca_Kabuli_Chr05	NC_021164.1	178588	GG	AA	AA	INTRON	101492768	uncharacterized LOC101492768
SNP_22209B_180525	Ca_Kabuli_Chr05	NC_021164.1	180525	AA	GG	GG	URR	101492768	uncharacterized LOC101492768
SNP_22210B_180707	Ca_Kabuli_Chr05	NC_021164.1	180707	TT	AA	AA	URR	101492768	uncharacterized LOC101492768
SNP_22211B_180748	Ca_Kabuli_Chr05	NC_021164.1	180748	AA	TT	TT	URR	101492768	uncharacterized LOC101492768
SNP_22212B_180986	Ca_Kabuli_Chr05	NC_021164.1	180986	TT	CC	CC	URR	101492768	uncharacterized LOC101492768
SNP_22213B_184274	Ca_Kabuli_Chr05	NC_021164.1	184274	CC	TT	TT	INTRON	101493102	PHD finger protein Alfin1
SNP_22215B_194995	Ca_Kabuli_Chr05	NC_021164.1	194995	AA	GG	GG	INTRON	101493429	protein STICHEL
SNP_22217B_197700	Ca_Kabuli_Chr05	NC_021164.1	197700	AA	TT	TT	INTERGENIC		
SNP_22218B_202119	Ca_Kabuli_Chr05	NC_021164.1	202119	TT	GG	GG	INTERGENIC		
SNP_22220B_203100	Ca_Kabuli_Chr05	NC_021164.1	203100	AA	CC	CC	INTERGENIC		
SNP_22221B_206955	Ca_Kabuli_Chr05	NC_021164.1	206955	CC	GG	GG	DRR	101494280	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 3-B
SNP_22222B_208156	Ca_Kabuli_Chr05	NC_021164.1	208156	GG	CC	CC	URR	101493955	2-C-methyl-D-erythritol 4-phosphate cytidylyltransferase, chloroplastic

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_22223B_209388	Ca_Kabuli_Chr05	NC_021164.1	209388	TT	CC	CC	URR	101494280	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 3-B
SNP_22228B_210125	Ca_Kabuli_Chr05	NC_021164.1	210125	AA	TT	TT	DRR	101505447	F-box/kelch-repeat protein At3g23880-like
SNP_22230B_210232	Ca_Kabuli_Chr05	NC_021164.1	210232	CC	GG	GG	DRR	101505447	F-box/kelch-repeat protein At3g23880-like
SNP_22232B_212339	Ca_Kabuli_Chr05	NC_021164.1	212339	AA	TT	TT	URR	101505447	F-box/kelch-repeat protein At3g23880-like
SNP_22233B_212697	Ca_Kabuli_Chr05	NC_021164.1	212697	TT	AA	AA	URR	101505447	F-box/kelch-repeat protein At3g23880-like
SNP_22234B_213538	Ca_Kabuli_Chr05	NC_021164.1	213538	CC	TT	TT	URR	101505447	F-box/kelch-repeat protein At3g23880-like
SNP_22235B_217805	Ca_Kabuli_Chr05	NC_021164.1	217805	CC	TT	TT	INTERGENIC		
SNP_22236B_217859	Ca_Kabuli_Chr05	NC_021164.1	217859	CC	GG	GG	INTERGENIC		
SNP_22239B_222391	Ca_Kabuli_Chr05	NC_021164.1	222391	AA	GG	GG	DRR	101494591	zinc-finger homeodomain protein 2
SNP_22240B_225229	Ca_Kabuli_Chr05	NC_021164.1	225229	AA	CC	CC	URR	101494591	zinc-finger homeodomain protein 2
SNP_22241B_225574	Ca_Kabuli_Chr05	NC_021164.1	225574	TT	CC	CC	URR	101494591	zinc-finger homeodomain protein 2
SNP_22242B_225823	Ca_Kabuli_Chr05	NC_021164.1	225823	CC	AA	AA	URR	101494591	zinc-finger homeodomain protein 2
SNP_22244B_237288	Ca_Kabuli_Chr05	NC_021164.1	237288	TT	CC	CC	URR	101494905	protein root UVB sensitive 6
SNP_22246B_237713	Ca_Kabuli_Chr05	NC_021164.1	237713	TT	AA	AA	URR	101494905	protein root UVB sensitive 6
SNP_22249B_239555	Ca_Kabuli_Chr05	NC_021164.1	239555	TT	CC	CC	INTERGENIC		
SNP_22250B_240335	Ca_Kabuli_Chr05	NC_021164.1	240335	AA	TT	TT	INTERGENIC		
SNP_22251B_240337	Ca_Kabuli_Chr05	NC_021164.1	240337	CC	TT	TT	INTERGENIC		
SNP_22252B_240344	Ca_Kabuli_Chr05	NC_021164.1	240344	TT	CC	CC	INTERGENIC		
SNP_22253B_240505	Ca_Kabuli_Chr05	NC_021164.1	240505	AA	CC	CC	INTERGENIC		
SNP_22254B_240510	Ca_Kabuli_Chr05	NC_021164.1	240510	AA	CC	CC	INTERGENIC		
SNP_22255B_240562	Ca_Kabuli_Chr05	NC_021164.1	240562	CC	GG	GG	INTERGENIC		
SNP_22256B_240593	Ca_Kabuli_Chr05	NC_021164.1	240593	GG	AA	AA	INTERGENIC		
SNP_22257B_240596	Ca_Kabuli_Chr05	NC_021164.1	240596	GG	AA	AA	INTERGENIC		
SNP_22259B_241154	Ca_Kabuli_Chr05	NC_021164.1	241154	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_22260B_241159	Ca_Kabuli_Chr05	NC_021164.1	241159	TT	AA	AA	INTERGENIC		
SNP_22261B_241343	Ca_Kabuli_Chr05	NC_021164.1	241343	AA	CC	CC	INTERGENIC		
SNP_22262B_241375	Ca_Kabuli_Chr05	NC_021164.1	241375	TT	CC	CC	INTERGENIC		
SNP_22263B_243786	Ca_Kabuli_Chr05	NC_021164.1	243786	GG	TT	TT	INTERGENIC		
SNP_22264B_243820	Ca_Kabuli_Chr05	NC_021164.1	243820	AA	GG	GG	INTERGENIC		
SNP_22265B_243929	Ca_Kabuli_Chr05	NC_021164.1	243929	CC	TT	TT	INTERGENIC		
SNP_22266B_243945	Ca_Kabuli_Chr05	NC_021164.1	243945	TT	CC	CC	INTERGENIC		
SNP_22267B_244169	Ca_Kabuli_Chr05	NC_021164.1	244169	CC	TT	TT	DRR	101495236	cullin-associated NEDD8-dissociated protein 1
SNP_22268B_244215	Ca_Kabuli_Chr05	NC_021164.1	244215	CC	AA	AA	DRR	101495236	cullin-associated NEDD8-dissociated protein 1
SNP_22269B_260915	Ca_Kabuli_Chr05	NC_021164.1	260915	AA	CC	CC	DRR	101495555	survival of motor neuron-related-splicing factor 30
SNP_22271B_260966	Ca_Kabuli_Chr05	NC_021164.1	260966	AA	GG	GG	DRR	101495555	survival of motor neuron-related-splicing factor 30
SNP_22272B_261261	Ca_Kabuli_Chr05	NC_021164.1	261261	GG	TT	TT	DRR	101495555	survival of motor neuron-related-splicing factor 30
SNP_22274B_272972	Ca_Kabuli_Chr05	NC_021164.1	272972	AA	TT	TT	INTRON	101495887	mitotic spindle checkpoint protein MAD1
SNP_22275B_286669	Ca_Kabuli_Chr05	NC_021164.1	286669	AA	GG	GG	URR	101496765	uncharacterized LOC101496765
SNP_22276B_287671	Ca_Kabuli_Chr05	NC_021164.1	287671	AA	GG	GG	DRR	101497080	H/ACA ribonucleoprotein complex subunit 4-like
SNP_22277B_289683	Ca_Kabuli_Chr05	NC_021164.1	289683	AA	GG	GG	INTERGENIC		
SNP_22278B_289781	Ca_Kabuli_Chr05	NC_021164.1	289781	TT	AA	AA	INTERGENICA	0	Unknown function
SNP_22279B_289794	Ca_Kabuli_Chr05	NC_021164.1	289794	GG	AA	AA	INTERGENIC		
SNP_22281B_290885	Ca_Kabuli_Chr05	NC_021164.1	290885	AA	TT	TT	INTERGENIC		
SNP_22282B_291039	Ca_Kabuli_Chr05	NC_021164.1	291039	AA	TT	TT	INTERGENIC		
SNP_22283B_291040	Ca_Kabuli_Chr05	NC_021164.1	291040	GG	CC	CC	INTERGENIC		
SNP_22285B_291116	Ca_Kabuli_Chr05	NC_021164.1	291116	TT	CC	CC	INTERGENIC		
SNP_22286B_291177	Ca_Kabuli_Chr05	NC_021164.1	291177	CC	TT	TT	INTERGENIC		
SNP_22287B_291228	Ca_Kabuli_Chr05	NC_021164.1	291228	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_22288B_291250	Ca_Kabuli_Chr05	NC_021164.1	291250	GG	AA	AA	INTERGENIC		
SNP_22289B_291296	Ca_Kabuli_Chr05	NC_021164.1	291296	GG	AA	AA	URR	101505782	MATE efflux family protein 5-like
SNP_22290B_291301	Ca_Kabuli_Chr05	NC_021164.1	291301	AA	TT	TT	URR	101505782	MATE efflux family protein 5-like
SNP_22291B_291315	Ca_Kabuli_Chr05	NC_021164.1	291315	GG	AA	AA	URR	101505782	MATE efflux family protein 5-like
SNP_22292B_291347	Ca_Kabuli_Chr05	NC_021164.1	291347	AA	GG	GG	URR	101505782	MATE efflux family protein 5-like
SNP_22294B_291439	Ca_Kabuli_Chr05	NC_021164.1	291439	GG	AA	AA	URR	101505782	MATE efflux family protein 5-like
SNP_22295B_291546	Ca_Kabuli_Chr05	NC_021164.1	291546	AA	TT	TT	URR	101505782	MATE efflux family protein 5-like
SNP_22298B_291981	Ca_Kabuli_Chr05	NC_021164.1	291981	AA	CC	CC	URR	101505782	MATE efflux family protein 5-like
SNP_22299B_291986	Ca_Kabuli_Chr05	NC_021164.1	291986	GG	AA	AA	URR	101505782	MATE efflux family protein 5-like
SNP_22300B_292029	Ca_Kabuli_Chr05	NC_021164.1	292029	TT	AA	AA	URR	101505782	MATE efflux family protein 5-like
SNP_22303B_292255	Ca_Kabuli_Chr05	NC_021164.1	292255	CC	TT	TT	URR	101505782	MATE efflux family protein 5-like
SNP_22304B_292286	Ca_Kabuli_Chr05	NC_021164.1	292286	AA	GG	GG	URR	101505782	MATE efflux family protein 5-like
SNP_22305B_292296	Ca_Kabuli_Chr05	NC_021164.1	292296	TT	AA	AA	URR	101505782	MATE efflux family protein 5-like
SNP_22306B_292460	Ca_Kabuli_Chr05	NC_021164.1	292460	AA	CC	CC	URR	101505782	MATE efflux family protein 5-like
SNP_22307B_292517	Ca_Kabuli_Chr05	NC_021164.1	292517	CC	AA	AA	URR	101505782	MATE efflux family protein 5-like
SNP_22308B_292525	Ca_Kabuli_Chr05	NC_021164.1	292525	GG	TT	TT	URR	101505782	MATE efflux family protein 5-like
SNP_22309B_293793	Ca_Kabuli_Chr05	NC_021164.1	293793	GG	AA	AA	INTRON	101497080	H/ACA ribonucleoprotein complex subunit 4-like
SNP_22310B_298190	Ca_Kabuli_Chr05	NC_021164.1	298190	CC	TT	TT	INTERGENIC		
SNP_22311B_301620	Ca_Kabuli_Chr05	NC_021164.1	301620	CC	TT	TT	URR	101497080	H/ACA ribonucleoprotein complex subunit 4-like
SNP_22312B_301933	Ca_Kabuli_Chr05	NC_021164.1	301933	AA	GG	GG	URR	101497080	H/ACA ribonucleoprotein complex subunit 4-like
SNP_22313B_301992	Ca_Kabuli_Chr05	NC_021164.1	301992	AA	GG	GG	URR	101497080	H/ACA ribonucleoprotein complex subunit 4-like
SNP_22314B_302015	Ca_Kabuli_Chr05	NC_021164.1	302015	TT	CC	CC	URR	101497080	H/ACA ribonucleoprotein complex subunit 4-like
SNP_22315B_302099	Ca_Kabuli_Chr05	NC_021164.1	302099	AA	TT	TT	URR	101497080	H/ACA ribonucleoprotein complex subunit 4-like
SNP_22317B_317821	Ca_Kabuli_Chr05	NC_021164.1	317821	GG	TT	TT	URR	101498746	dynamin-2A

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SNP_22318B_319144	Ca_Kabuli_Chr05	NC_021164.1	319144	CC	AA	AA	DRR	101499065	chloride channel protein CLC-c
SNP_22319B_323263	Ca_Kabuli_Chr05	NC_021164.1	323263	CC	TT	TT	URR	101499065	chloride channel protein CLC-c
SNP_22321B_335325	Ca_Kabuli_Chr05	NC_021164.1	335325	GG	AA	AA	INTERGENIC		
SNP_22322B_347596	Ca_Kabuli_Chr05	NC_021164.1	347596	AA	CC	CC	INTRON	101500963	ATP-dependent RNA helicase DHX36
SNP_22323B_347634	Ca_Kabuli_Chr05	NC_021164.1	347634	AA	TT	TT	INTRON	101500963	ATP-dependent RNA helicase DHX36
SNP_22324B_347656	Ca_Kabuli_Chr05	NC_021164.1	347656	GG	AA	AA	INTRON	101500963	ATP-dependent RNA helicase DHX36
SNP_22325B_347675	Ca_Kabuli_Chr05	NC_021164.1	347675	GG	AA	AA	INTRON	101500963	ATP-dependent RNA helicase DHX36
SNP_22326B_348034	Ca_Kabuli_Chr05	NC_021164.1	348034	GG	AA	AA	INTRON	101500963	ATP-dependent RNA helicase DHX36
SNP_22327B_357266	Ca_Kabuli_Chr05	NC_021164.1	357266	TT	CC	CC	INTRON	101500963	ATP-dependent RNA helicase DHX36
SNP_22329B_362389	Ca_Kabuli_Chr05	NC_021164.1	362389	AA	GG	GG	INTRON	101500963	ATP-dependent RNA helicase DHX36
SNP_22330B_362831	Ca_Kabuli_Chr05	NC_021164.1	362831	TT	AA	AA	INTRON	101500963	ATP-dependent RNA helicase DHX36
SNP_22331B_362851	Ca_Kabuli_Chr05	NC_021164.1	362851	AA	CC	CC	INTRON	101500963	ATP-dependent RNA helicase DHX36
SNP_22332B_362971	Ca_Kabuli_Chr05	NC_021164.1	362971	AA	GG	GG	INTRON	101500963	ATP-dependent RNA helicase DHX36
SNP_22333B_362981	Ca_Kabuli_Chr05	NC_021164.1	362981	TT	CC	CC	INTRON	101500963	ATP-dependent RNA helicase DHX36
SNP_22334B_375127	Ca_Kabuli_Chr05	NC_021164.1	375127	TT	AA	AA	INTRON	101500963	ATP-dependent RNA helicase DHX36
SNP_22335B_388423	Ca_Kabuli_Chr05	NC_021164.1	388423	CC	GG	GG	INTRON	101500963	ATP-dependent RNA helicase DHX36
SNP_22336B_396969	Ca_Kabuli_Chr05	NC_021164.1	396969	CC	TT	TT	INTRON	101500963	ATP-dependent RNA helicase DHX36
SNP_22337B_412472	Ca_Kabuli_Chr05	NC_021164.1	412472	GG	AA	AA	INTRON	101500963	ATP-dependent RNA helicase DHX36
SNP_22338B_422768	Ca_Kabuli_Chr05	NC_021164.1	422768	TT	CC	CC	INTERGENIC		
SNP_22340B_440628	Ca_Kabuli_Chr05	NC_021164.1	440628	TT	CC	CC	URR	101501502	uncharacterized LOC101501502
SNP_22342B_441330	Ca_Kabuli_Chr05	NC_021164.1	441330	TT	CC	CC	URR	101501502	uncharacterized LOC101501502
SNP_22344B_446261	Ca_Kabuli_Chr05	NC_021164.1	446261	CC	AA	AA	INTRON	101501816	ankyrin repeat protein SKIP35-like
SNP_22346B_470485	Ca_Kabuli_Chr05	NC_021164.1	470485	TT	GG	GG	INTRON	101502458	type I inositol 1,4,5-trisphosphate 5-phosphatase 12
SNP_22350B_479501	Ca_Kabuli_Chr05	NC_021164.1	479501	CC	TT	TT	URR	101502458	type I inositol 1,4,5-trisphosphate 5-phosphatase 12

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_22351B_479996	Ca_Kabuli_Chr05	NC_021164.1	479996	TT	CC	CC	URR	101502458	type I inositol 1,4,5-trisphosphate 5-phosphatase 12
SNP_22352B_480163	Ca_Kabuli_Chr05	NC_021164.1	480163	AA	GG	GG	URR	101502458	type I inositol 1,4,5-trisphosphate 5-phosphatase 12
SNP_22353B_480245	Ca_Kabuli_Chr05	NC_021164.1	480245	AA	CC	CC	URR	101502458	type I inositol 1,4,5-trisphosphate 5-phosphatase 12
SNP_22354B_480948	Ca_Kabuli_Chr05	NC_021164.1	480948	GG	AA	AA	INTERGENIC		
SNP_22355B_481727	Ca_Kabuli_Chr05	NC_021164.1	481727	CC	AA	AA	INTERGENIC		
SNP_22356B_481731	Ca_Kabuli_Chr05	NC_021164.1	481731	CC	TT	TT	INTERGENIC		
SNP_22357B_481743	Ca_Kabuli_Chr05	NC_021164.1	481743	TT	CC	CC	INTERGENIC		
SNP_22358B_481770	Ca_Kabuli_Chr05	NC_021164.1	481770	CC	TT	TT	INTERGENIC		
SNP_22359B_481778	Ca_Kabuli_Chr05	NC_021164.1	481778	GG	AA	AA	INTERGENIC		
SNP_22361B_483187	Ca_Kabuli_Chr05	NC_021164.1	483187	AA	GG	GG	INTERGENIC		
SNP_22362B_485056	Ca_Kabuli_Chr05	NC_021164.1	485056	TT	CC	CC	DRR	101502972	uncharacterized LOC101502972
SNP_22363B_485111	Ca_Kabuli_Chr05	NC_021164.1	485111	AA	GG	GG	DRR	101502972	uncharacterized LOC101502972
SNP_22364B_485226	Ca_Kabuli_Chr05	NC_021164.1	485226	TT	AA	AA	DRR	101502972	uncharacterized LOC101502972
SNP_22365B_485628	Ca_Kabuli_Chr05	NC_021164.1	485628	AA	GG	GG	NON_SYNONYMOUS_CODING	id96723	Unknown function
SNP_22366B_488291	Ca_Kabuli_Chr05	NC_021164.1	488291	GG	TT	TT	NON_SYNONYMOUS_CODING	id96723	Unknown function
SNP_22367B_489922	Ca_Kabuli_Chr05	NC_021164.1	489922	TT	CC	CC	NON_SYNONYMOUS_CODING	id96723	Unknown function
SNP_22368B_489923	Ca_Kabuli_Chr05	NC_021164.1	489923	GG	TT	TT	NON_SYNONYMOUS_CODING	id96723	Unknown function
SNP_22369B_490258	Ca_Kabuli_Chr05	NC_021164.1	490258	GG	AA	AA	NON_SYNONYMOUS_CODING	id96723	Unknown function
SNP_22370B_490263	Ca_Kabuli_Chr05	NC_021164.1	490263	AA	GG	GG	NON_SYNONYMOUS_CODING	id96723	Unknown function
SNP_22371B_492007	Ca_Kabuli_Chr05	NC_021164.1	492007	TT	CC	CC	URR	101502972	uncharacterized LOC101502972
SNP_22372B_492064	Ca_Kabuli_Chr05	NC_021164.1	492064	AA	TT	TT	URR	101502972	uncharacterized LOC101502972
SNP_22373B_492086	Ca_Kabuli_Chr05	NC_021164.1	492086	TT	GG	GG	URR	101502972	uncharacterized LOC101502972
SNP_22375B_492145	Ca_Kabuli_Chr05	NC_021164.1	492145	AA	TT	TT	URR	101502972	uncharacterized LOC101502972
SNP_22376B_492148	Ca_Kabuli_Chr05	NC_021164.1	492148	CC	TT	TT	URR	101502972	uncharacterized LOC101502972

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_22377B_492196	Ca_Kabuli_Chr05	NC_021164.1	492196	TT	AA	AA	URR	101502972	uncharacterized LOC101502972
SNP_22378B_492197	Ca_Kabuli_Chr05	NC_021164.1	492197	TT	CC	CC	URR	101502972	uncharacterized LOC101502972
SNP_22379B_492198	Ca_Kabuli_Chr05	NC_021164.1	492198	TT	CC	CC	URR	101502972	uncharacterized LOC101502972
SNP_22380B_492203	Ca_Kabuli_Chr05	NC_021164.1	492203	AA	GG	GG	URR	101502972	uncharacterized LOC101502972
SNP_22381B_492251	Ca_Kabuli_Chr05	NC_021164.1	492251	CC	AA	AA	URR	101502972	uncharacterized LOC101502972
SNP_22382B_492292	Ca_Kabuli_Chr05	NC_021164.1	492292	CC	GG	GG	URR	101502972	uncharacterized LOC101502972
SNP_22383B_492447	Ca_Kabuli_Chr05	NC_021164.1	492447	AA	GG	GG	URR	101502972	uncharacterized LOC101502972
SNP_22384B_492471	Ca_Kabuli_Chr05	NC_021164.1	492471	CC	TT	TT	URR	101502972	uncharacterized LOC101502972
SNP_22385B_492511	Ca_Kabuli_Chr05	NC_021164.1	492511	AA	GG	GG	URR	101502972	uncharacterized LOC101502972
SNP_22386B_492516	Ca_Kabuli_Chr05	NC_021164.1	492516	GG	TT	TT	URR	101502972	uncharacterized LOC101502972
SNP_22387B_492585	Ca_Kabuli_Chr05	NC_021164.1	492585	TT	AA	AA	URR	101502972	uncharacterized LOC101502972
SNP_22388B_492735	Ca_Kabuli_Chr05	NC_021164.1	492735	GG	TT	TT	URR	101502972	uncharacterized LOC101502972
SNP_22389B_492868	Ca_Kabuli_Chr05	NC_021164.1	492868	AA	GG	GG	URR	101502972	uncharacterized LOC101502972
SNP_22390B_492892	Ca_Kabuli_Chr05	NC_021164.1	492892	TT	AA	AA	URR	101502972	uncharacterized LOC101502972
SNP_22391B_493025	Ca_Kabuli_Chr05	NC_021164.1	493025	GG	TT	TT	URR	101502972	uncharacterized LOC101502972
SNP_22392B_493082	Ca_Kabuli_Chr05	NC_021164.1	493082	GG	AA	AA	URR	101502972	uncharacterized LOC101502972
SNP_22393B_496734	Ca_Kabuli_Chr05	NC_021164.1	496734	CC	TT	TT	INTERGENIC		
SNP_22395B_497152	Ca_Kabuli_Chr05	NC_021164.1	497152	GG	TT	TT	INTERGENIC		
SNP_22396B_497175	Ca_Kabuli_Chr05	NC_021164.1	497175	TT	GG	GG	INTERGENIC		
SNP_22397B_497203	Ca_Kabuli_Chr05	NC_021164.1	497203	TT	CC	CC	INTERGENIC		
SNP_22398B_497512	Ca_Kabuli_Chr05	NC_021164.1	497512	AA	GG	GG	INTERGENIC		
SNP_22399B_497519	Ca_Kabuli_Chr05	NC_021164.1	497519	AA	CC	CC	INTERGENIC		
SNP_22400B_548556	Ca_Kabuli_Chr05	NC_021164.1	548556	TT	CC	CC	INTRON	101507716	uncharacterized LOC101507716
SNP_22401B_584020	Ca_Kabuli_Chr05	NC_021164.1	584020	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_22402B_617747	Ca_Kabuli_Chr05	NC_021164.1	617747	CC	TT	TT	INTERGENIC		
SNP_22403B_622549	Ca_Kabuli_Chr05	NC_021164.1	622549	TT	CC	CC	INTERGENIC		
SNP_22405B_622729	Ca_Kabuli_Chr05	NC_021164.1	622729	GG	AA	AA	INTERGENIC		
SNP_22406B_622737	Ca_Kabuli_Chr05	NC_021164.1	622737	GG	AA	AA	INTERGENIC		
SNP_22407B_622774	Ca_Kabuli_Chr05	NC_021164.1	622774	GG	TT	TT	INTERGENIC		
SNP_22408B_622782	Ca_Kabuli_Chr05	NC_021164.1	622782	TT	CC	CC	INTERGENIC		
SNP_22409B_622828	Ca_Kabuli_Chr05	NC_021164.1	622828	AA	GG	GG	INTERGENIC		
SNP_22410B_622837	Ca_Kabuli_Chr05	NC_021164.1	622837	CC	GG	GG	INTERGENIC		
SNP_22412B_625529	Ca_Kabuli_Chr05	NC_021164.1	625529	CC	AA	AA	INTERGENIC		
SNP_22413B_629999	Ca_Kabuli_Chr05	NC_021164.1	629999	AA	GG	GG	INTERGENIC		
SNP_22414B_643195	Ca_Kabuli_Chr05	NC_021164.1	643195	GG	TT	TT	INTERGENIC		
SNP_22415B_643373	Ca_Kabuli_Chr05	NC_021164.1	643373	GG	AA	AA	INTERGENIC		
SNP_22416B_655632	Ca_Kabuli_Chr05	NC_021164.1	655632	TT	CC	CC	INTERGENIC		
SNP_22417B_655659	Ca_Kabuli_Chr05	NC_021164.1	655659	GG	CC	CC	INTERGENIC		
SNP_22418B_655668	Ca_Kabuli_Chr05	NC_021164.1	655668	TT	AA	AA	INTERGENIC		
SNP_22419B_655675	Ca_Kabuli_Chr05	NC_021164.1	655675	CC	TT	TT	INTERGENIC		
SNP_22420B_657118	Ca_Kabuli_Chr05	NC_021164.1	657118	AA	GG	GG	INTERGENIC		
SNP_22421B_664351	Ca_Kabuli_Chr05	NC_021164.1	664351	GG	AA	AA	INTERGENIC		
SNP_22422B_664544	Ca_Kabuli_Chr05	NC_021164.1	664544	TT	AA	AA	INTERGENIC		
SNP_22423B_664702	Ca_Kabuli_Chr05	NC_021164.1	664702	TT	CC	CC	INTERGENIC		
SNP_22424B_664946	Ca_Kabuli_Chr05	NC_021164.1	664946	TT	CC	CC	INTERGENIC		
SNP_22425B_666157	Ca_Kabuli_Chr05	NC_021164.1	666157	AA	GG	GG	INTERGENIC		
SNP_22427B_666502	Ca_Kabuli_Chr05	NC_021164.1	666502	GG	TT	TT	INTERGENIC		
SNP_22428B_666524	Ca_Kabuli_Chr05	NC_021164.1	666524	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_22429B_666539	Ca_Kabuli_Chr05	NC_021164.1	666539	AA	CC	CC	INTERGENIC		
SNP_22430B_666879	Ca_Kabuli_Chr05	NC_021164.1	666879	GG	TT	TT	INTERGENIC		
SNP_22431B_667266	Ca_Kabuli_Chr05	NC_021164.1	667266	TT	CC	CC	INTERGENIC		
SNP_22432B_667292	Ca_Kabuli_Chr05	NC_021164.1	667292	AA	GG	GG	INTERGENIC		
SNP_22433B_667307	Ca_Kabuli_Chr05	NC_021164.1	667307	AA	GG	GG	INTERGENIC		
SNP_22434B_668041	Ca_Kabuli_Chr05	NC_021164.1	668041	GG	TT	TT	INTERGENIC		
SNP_22435B_668157	Ca_Kabuli_Chr05	NC_021164.1	668157	AA	CC	CC	INTERGENIC		
SNP_22436B_668279	Ca_Kabuli_Chr05	NC_021164.1	668279	CC	AA	AA	INTERGENIC		
SNP_22437B_672174	Ca_Kabuli_Chr05	NC_021164.1	672174	CC	TT	TT	INTERGENIC		
SNP_22438B_676203	Ca_Kabuli_Chr05	NC_021164.1	676203	GG	CC	CC	INTERGENIC		
SNP_22439B_676226	Ca_Kabuli_Chr05	NC_021164.1	676226	GG	CC	CC	INTERGENIC		
SNP_22440B_676853	Ca_Kabuli_Chr05	NC_021164.1	676853	AA	TT	TT	INTERGENIC		
SNP_22441B_681200	Ca_Kabuli_Chr05	NC_021164.1	681200	GG	TT	TT	INTERGENIC		
SNP_22442B_681330	Ca_Kabuli_Chr05	NC_021164.1	681330	AA	TT	TT	INTERGENIC		
SNP_22443B_681362	Ca_Kabuli_Chr05	NC_021164.1	681362	AA	CC	CC	INTERGENIC		
SNP_22444B_681363	Ca_Kabuli_Chr05	NC_021164.1	681363	AA	TT	TT	INTERGENIC		
SNP_22445B_681977	Ca_Kabuli_Chr05	NC_021164.1	681977	GG	CC	CC	INTERGENIC		
SNP_22446B_681994	Ca_Kabuli_Chr05	NC_021164.1	681994	CC	TT	TT	INTERGENIC		
SNP_22447B_682020	Ca_Kabuli_Chr05	NC_021164.1	682020	CC	TT	TT	INTERGENIC		
SNP_22448B_682055	Ca_Kabuli_Chr05	NC_021164.1	682055	TT	CC	CC	INTERGENIC		
SNP_22449B_715272	Ca_Kabuli_Chr05	NC_021164.1	715272	CC	AA	AA	INTERGENIC		
SNP_22450B_715277	Ca_Kabuli_Chr05	NC_021164.1	715277	TT	CC	CC	INTERGENIC		
SNP_22451B_719373	Ca_Kabuli_Chr05	NC_021164.1	719373	CC	TT	TT	INTERGENIC		
SNP_22452B_723388	Ca_Kabuli_Chr05	NC_021164.1	723388	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_22453B_738239	Ca_Kabuli_Chr05	NC_021164.1	738239	TT	AA	AA	INTERGENIC		
SNP_22454B_738240	Ca_Kabuli_Chr05	NC_021164.1	738240	GG	TT	TT	INTERGENIC		
SNP_22455B_738249	Ca_Kabuli_Chr05	NC_021164.1	738249	GG	CC	CC	INTERGENIC		
SNP_22456B_738250	Ca_Kabuli_Chr05	NC_021164.1	738250	GG	TT	TT	INTERGENIC		
SNP_22457B_805859	Ca_Kabuli_Chr05	NC_021164.1	805859	CC	TT	TT	INTERGENIC		
SNP_22458B_834278	Ca_Kabuli_Chr05	NC_021164.1	834278	AA	GG	GG	INTERGENIC		
SNP_22459B_834609	Ca_Kabuli_Chr05	NC_021164.1	834609	GG	TT	TT	INTERGENIC		
SNP_22460B_853328	Ca_Kabuli_Chr05	NC_021164.1	853328	CC	TT	TT	INTERGENIC		
SNP_22461B_853707	Ca_Kabuli_Chr05	NC_021164.1	853707	AA	GG	GG	INTERGENIC		
SNP_22462B_877433	Ca_Kabuli_Chr05	NC_021164.1	877433	AA	GG	TT	INTERGENIC		
SNP_22463B_877485	Ca_Kabuli_Chr05	NC_021164.1	877485	AA	GG	GG	INTERGENIC		
SNP_22464B_917727	Ca_Kabuli_Chr05	NC_021164.1	917727	GG	AA	AA	URR	101506859	uncharacterized LOC101506859
SNP_22466B_927701	Ca_Kabuli_Chr05	NC_021164.1	927701	AA	GG	GG	INTERGENIC		
SNP_22467B_927931	Ca_Kabuli_Chr05	NC_021164.1	927931	TT	CC	CC	INTERGENIC		
SNP_22468B_930756	Ca_Kabuli_Chr05	NC_021164.1	930756	AA	GG	TT	INTERGENIC		
SNP_22469B_930809	Ca_Kabuli_Chr05	NC_021164.1	930809	AA	GG	GG	INTERGENIC		
SNP_22470B_931154	Ca_Kabuli_Chr05	NC_021164.1	931154	CC	TT	TT	INTERGENIC		
SNP_22471B_944816	Ca_Kabuli_Chr05	NC_021164.1	944816	GG	TT	TT	INTERGENIC		
SNP_22472B_984610	Ca_Kabuli_Chr05	NC_021164.1	984610	TT	CC	CC	INTERGENIC		
SNP_22473B_1001844	Ca_Kabuli_Chr05	NC_021164.1	1001844	CC	AA	AA	INTERGENIC		
SNP_22474B_1001848	Ca_Kabuli_Chr05	NC_021164.1	1001848	AA	TT	TT	INTERGENIC		
SNP_22475B_1001851	Ca_Kabuli_Chr05	NC_021164.1	1001851	AA	CC	CC	INTERGENIC		
SNP_22476B_1001852	Ca_Kabuli_Chr05	NC_021164.1	1001852	AA	GG	GG	INTERGENIC		
SNP_22477B_1001853	Ca_Kabuli_Chr05	NC_021164.1	1001853	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_22478B_1012077	Ca_Kabuli_Chr05	NC_021164.1	1012077	TT	CC	CC	INTERGENIC		
SNP_22479B_1012080	Ca_Kabuli_Chr05	NC_021164.1	1012080	AA	GG	GG	INTERGENIC		
SNP_22480B_1012338	Ca_Kabuli_Chr05	NC_021164.1	1012338	CC	TT	TT	INTERGENIC		
SNP_22481B_1012410	Ca_Kabuli_Chr05	NC_021164.1	1012410	GG	AA	AA	INTERGENIC		
SNP_22482B_1038953	Ca_Kabuli_Chr05	NC_021164.1	1038953	GG	AA	AA	INTERGENIC		
SNP_22483B_1065523	Ca_Kabuli_Chr05	NC_021164.1	1065523	TT	CC	CC	INTERGENIC		
SNP_22484B_1126429	Ca_Kabuli_Chr05	NC_021164.1	1126429	GG	AA	AA	INTERGENIC		
SNP_22485B_1126452	Ca_Kabuli_Chr05	NC_021164.1	1126452	TT	AA	AA	INTERGENIC		
SNP_22486B_1139172	Ca_Kabuli_Chr05	NC_021164.1	1139172	CC	TT	TT	INTERGENIC		
SNP_22487B_1172000	Ca_Kabuli_Chr05	NC_021164.1	1172000	CC	AA	AA	URR	101510270	uncharacterized LOC101510270
SNP_22488B_1172023	Ca_Kabuli_Chr05	NC_021164.1	1172023	CC	TT	TT	URR	101510270	uncharacterized LOC101510270
SNP_22489B_1174416	Ca_Kabuli_Chr05	NC_021164.1	1174416	CC	TT	TT	INTERGENIC		
SNP_22490B_1174583	Ca_Kabuli_Chr05	NC_021164.1	1174583	GG	AA	AA	INTERGENIC		
SNP_22491B_1176399	Ca_Kabuli_Chr05	NC_021164.1	1176399	AA	GG	GG	INTERGENIC		
SNP_22492B_1230375	Ca_Kabuli_Chr05	NC_021164.1	1230375	TT	CC	CC	INTERGENIC		
SNP_22493B_1230531	Ca_Kabuli_Chr05	NC_021164.1	1230531	TT	GG	GG	INTERGENIC		
SNP_22495B_1275420	Ca_Kabuli_Chr05	NC_021164.1	1275420	GG	AA	AA	INTERGENIC		
SNP_22496B_1288248	Ca_Kabuli_Chr05	NC_021164.1	1288248	AA	GG	GG	INTERGENIC		
SNP_22497B_1336047	Ca_Kabuli_Chr05	NC_021164.1	1336047	TT	CC	CC	INTERGENIC		
SNP_22498B_1372095	Ca_Kabuli_Chr05	NC_021164.1	1372095	GG	AA	AA	INTERGENIC		
SNP_22500B_1378191	Ca_Kabuli_Chr05	NC_021164.1	1378191	GG	AA	AA	INTERGENIC		
SNP_22501B_1378261	Ca_Kabuli_Chr05	NC_021164.1	1378261	GG	TT	TT	INTERGENIC		
SNP_22502B_1378289	Ca_Kabuli_Chr05	NC_021164.1	1378289	TT	GG	GG	INTERGENIC		
SNP_22503B_1380488	Ca_Kabuli_Chr05	NC_021164.1	1380488	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_22504B_1381130	Ca_Kabuli_Chr05	NC_021164.1	1381130	AA	GG	GG	INTERGENIC		
SNP_22505B_1381184	Ca_Kabuli_Chr05	NC_021164.1	1381184	AA	GG	GG	INTERGENIC		
SNP_22506B_1381542	Ca_Kabuli_Chr05	NC_021164.1	1381542	GG	AA	AA	INTERGENIC		
SNP_22507B_1441609	Ca_Kabuli_Chr05	NC_021164.1	1441609	AA	TT	TT	INTERGENIC		
SNP_22508B_1457500	Ca_Kabuli_Chr05	NC_021164.1	1457500	AA	CC	CC	INTERGENIC		
SNP_22509B_1457506	Ca_Kabuli_Chr05	NC_021164.1	1457506	CC	TT	TT	INTERGENIC		
SNP_22510B_1457528	Ca_Kabuli_Chr05	NC_021164.1	1457528	TT	CC	CC	INTERGENIC		
SNP_22511B_1497217	Ca_Kabuli_Chr05	NC_021164.1	1497217	TT	CC	CC	INTERGENIC		
SNP_22512B_1501641	Ca_Kabuli_Chr05	NC_021164.1	1501641	TT	CC	CC	INTERGENIC		
SNP_22514B_1511058	Ca_Kabuli_Chr05	NC_021164.1	1511058	AA	GG	GG	INTERGENIC		
SNP_22515B_1511105	Ca_Kabuli_Chr05	NC_021164.1	1511105	GG	TT	TT	INTERGENIC		
SNP_22516B_1511132	Ca_Kabuli_Chr05	NC_021164.1	1511132	CC	TT	TT	INTERGENIC		
SNP_22517B_1511146	Ca_Kabuli_Chr05	NC_021164.1	1511146	AA	CC	CC	INTERGENIC		
SNP_22518B_1511182	Ca_Kabuli_Chr05	NC_021164.1	1511182	AA	GG	GG	INTERGENIC		
SNP_22519B_1526713	Ca_Kabuli_Chr05	NC_021164.1	1526713	CC	TT	TT	INTERGENIC		
SNP_22520B_1526729	Ca_Kabuli_Chr05	NC_021164.1	1526729	AA	TT	TT	INTERGENIC		
SNP_22522B_1526756	Ca_Kabuli_Chr05	NC_021164.1	1526756	CC	TT	TT	INTERGENIC		
SNP_22523B_1526793	Ca_Kabuli_Chr05	NC_021164.1	1526793	AA	GG	GG	INTERGENIC		
SNP_22524B_1528101	Ca_Kabuli_Chr05	NC_021164.1	1528101	AA	GG	GG	INTERGENIC		
SNP_22525B_1535157	Ca_Kabuli_Chr05	NC_021164.1	1535157	TT	CC	CC	INTERGENIC		
SNP_22526B_1535169	Ca_Kabuli_Chr05	NC_021164.1	1535169	CC	AA	AA	INTERGENIC		
SNP_22527B_1535311	Ca_Kabuli_Chr05	NC_021164.1	1535311	AA	CC	CC	INTERGENIC		
SNP_22528B_1535360	Ca_Kabuli_Chr05	NC_021164.1	1535360	TT	AA	AA	INTERGENIC		
SNP_22529B_1535373	Ca_Kabuli_Chr05	NC_021164.1	1535373	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_22531B_1633688	Ca_Kabuli_Chr05	NC_021164.1	1633688	GG	AA	AA	INTERGENIC		
SNP_22533B_1679521	Ca_Kabuli_Chr05	NC_021164.1	1679521	CC	TT	TT	INTERGENIC		
SNP_22534B_1679540	Ca_Kabuli_Chr05	NC_021164.1	1679540	GG	CC	CC	INTERGENIC		
SNP_22535B_1679652	Ca_Kabuli_Chr05	NC_021164.1	1679652	CC	TT	TT	INTERGENIC		
SNP_22536B_1679832	Ca_Kabuli_Chr05	NC_021164.1	1679832	GG	TT	TT	INTERGENIC		
SNP_22538B_1770168	Ca_Kabuli_Chr05	NC_021164.1	1770168	TT	CC	CC	INTERGENIC		
SNP_22540B_1780075	Ca_Kabuli_Chr05	NC_021164.1	1780075	CC	TT	TT	INTERGENIC		
SNP_22541B_1780096	Ca_Kabuli_Chr05	NC_021164.1	1780096	AA	GG	GG	INTERGENIC		
SNP_22542B_1781411	Ca_Kabuli_Chr05	NC_021164.1	1781411	GG	AA	AA	INTERGENIC		
SNP_22543B_1781413	Ca_Kabuli_Chr05	NC_021164.1	1781413	CC	TT	TT	INTERGENIC		
SNP_22545B_1808860	Ca_Kabuli_Chr05	NC_021164.1	1808860	TT	CC	CC	INTERGENIC		
SNP_22546B_1809399	Ca_Kabuli_Chr05	NC_021164.1	1809399	AA	GG	GG	INTERGENIC		
SNP_22547B_1814489	Ca_Kabuli_Chr05	NC_021164.1	1814489	GG	AA	AA	INTERGENIC		
SNP_22548B_1814836	Ca_Kabuli_Chr05	NC_021164.1	1814836	TT	GG	GG	INTERGENIC		
SNP_22549B_1819162	Ca_Kabuli_Chr05	NC_021164.1	1819162	GG	CC	CC	INTERGENIC		
SNP_22550B_1819163	Ca_Kabuli_Chr05	NC_021164.1	1819163	TT	AA	AA	INTERGENIC		
SNP_22551B_1819315	Ca_Kabuli_Chr05	NC_021164.1	1819315	TT	CC	CC	INTERGENIC		
SNP_22552B_1819778	Ca_Kabuli_Chr05	NC_021164.1	1819778	CC	TT	TT	INTERGENIC		
SNP_22553B_1819781	Ca_Kabuli_Chr05	NC_021164.1	1819781	GG	TT	TT	INTERGENIC		
SNP_22554B_1825706	Ca_Kabuli_Chr05	NC_021164.1	1825706	AA	GG	GG	INTERGENIC		
SNP_22555B_1828535	Ca_Kabuli_Chr05	NC_021164.1	1828535	AA	GG	GG	INTERGENIC		
SNP_22556B_1829568	Ca_Kabuli_Chr05	NC_021164.1	1829568	GG	AA	AA	INTERGENIC		
SNP_22557B_1829577	Ca_Kabuli_Chr05	NC_021164.1	1829577	AA	TT	TT	INTERGENIC		
SNP_22558B_1829597	Ca_Kabuli_Chr05	NC_021164.1	1829597	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_22559B_1829609	Ca_Kabuli_Chr05	NC_021164.1	1829609	AA	GG	GG	INTERGENIC		
SNP_22560B_1829610	Ca_Kabuli_Chr05	NC_021164.1	1829610	TT	GG	GG	INTERGENIC		
SNP_22561B_1829616	Ca_Kabuli_Chr05	NC_021164.1	1829616	GG	AA	AA	INTERGENIC		
SNP_22562B_1829712	Ca_Kabuli_Chr05	NC_021164.1	1829712	AA	TT	TT	INTERGENIC		
SNP_22563B_1829716	Ca_Kabuli_Chr05	NC_021164.1	1829716	CC	TT	TT	INTERGENIC		
SNP_22564B_1830816	Ca_Kabuli_Chr05	NC_021164.1	1830816	TT	CC	CC	INTERGENIC		
SNP_22565B_1836026	Ca_Kabuli_Chr05	NC_021164.1	1836026	CC	TT	TT	INTERGENIC		
SNP_22566B_1837567	Ca_Kabuli_Chr05	NC_021164.1	1837567	CC	TT	TT	INTERGENIC		
SNP_22567B_1839363	Ca_Kabuli_Chr05	NC_021164.1	1839363	CC	AA	AA	INTERGENIC		
SNP_22568B_1839395	Ca_Kabuli_Chr05	NC_021164.1	1839395	GG	AA	AA	INTERGENIC		
SNP_22569B_1839403	Ca_Kabuli_Chr05	NC_021164.1	1839403	TT	AA	AA	INTERGENIC		
SNP_22570B_1839431	Ca_Kabuli_Chr05	NC_021164.1	1839431	GG	CC	CC	INTERGENIC		
SNP_22571B_1839437	Ca_Kabuli_Chr05	NC_021164.1	1839437	AA	TT	TT	INTERGENIC		
SNP_22572B_1839441	Ca_Kabuli_Chr05	NC_021164.1	1839441	TT	AA	AA	INTERGENIC		
SNP_22573B_1839483	Ca_Kabuli_Chr05	NC_021164.1	1839483	CC	TT	TT	INTERGENIC		
SNP_22574B_1876046	Ca_Kabuli_Chr05	NC_021164.1	1876046	GG	TT	TT	INTRON	101515668	Unknown function
SNP_22575B_1876054	Ca_Kabuli_Chr05	NC_021164.1	1876054	GG	AA	AA	INTRON	101515668	Unknown function
SNP_22576B_1876075	Ca_Kabuli_Chr05	NC_021164.1	1876075	GG	AA	AA	INTRON	101515668	Unknown function
SNP_22577B_1876080	Ca_Kabuli_Chr05	NC_021164.1	1876080	AA	GG	GG	INTRON	101515668	Unknown function
SNP_22579B_1876286	Ca_Kabuli_Chr05	NC_021164.1	1876286	GG	AA	AA	INTRON	101515668	Unknown function
SNP_22580B_1878876	Ca_Kabuli_Chr05	NC_021164.1	1878876	GG	CC	CC	INTRON	101515668	Unknown function
SNP_22581B_1887646	Ca_Kabuli_Chr05	NC_021164.1	1887646	GG	AA	AA	INTRON	101515668	Unknown function
SNP_22582B_1887971	Ca_Kabuli_Chr05	NC_021164.1	1887971	CC	TT	TT	INTRON	101515668	Unknown function
SNP_22583B_1899051	Ca_Kabuli_Chr05	NC_021164.1	1899051	TT	CC	CC	SYNONYMOUS_CODING	101515668	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_22584B_1899081	Ca_Kabuli_Chr05	NC_021164.1	1899081	GG	AA	AA	SYNONYMOUS_CODING	101515668	Unknown function
SNP_22585B_1899105	Ca_Kabuli_Chr05	NC_021164.1	1899105	TT	AA	AA	SYNONYMOUS_CODING	101515668	Unknown function
SNP_22586B_1899471	Ca_Kabuli_Chr05	NC_021164.1	1899471	AA	TT	TT	NON_SYNONYMOUS_CODING	101515668	Unknown function
SNP_22587B_1902831	Ca_Kabuli_Chr05	NC_021164.1	1902831	CC	TT	TT	NON_SYNONYMOUS_CODING	101515668	Unknown function
SNP_22589B_1911394	Ca_Kabuli_Chr05	NC_021164.1	1911394	GG	CC	CC	INTERGENIC		
SNP_22590B_1925675	Ca_Kabuli_Chr05	NC_021164.1	1925675	CC	TT	TT	INTERGENIC		
SNP_22591B_1925719	Ca_Kabuli_Chr05	NC_021164.1	1925719	GG	AA	AA	INTERGENIC		
SNP_22592B_1925976	Ca_Kabuli_Chr05	NC_021164.1	1925976	GG	CC	CC	INTERGENIC		
SNP_22593B_1926016	Ca_Kabuli_Chr05	NC_021164.1	1926016	AA	CC	CC	INTERGENIC		
SNP_22594B_1926041	Ca_Kabuli_Chr05	NC_021164.1	1926041	AA	GG	GG	INTERGENIC		
SNP_22595B_1930902	Ca_Kabuli_Chr05	NC_021164.1	1930902	CC	TT	TT	INTERGENIC		
SNP_22596B_1948472	Ca_Kabuli_Chr05	NC_021164.1	1948472	CC	TT	TT	INTERGENIC		
SNP_22597B_1960624	Ca_Kabuli_Chr05	NC_021164.1	1960624	AA	GG	GG	INTERGENIC		
SNP_22598B_1980943	Ca_Kabuli_Chr05	NC_021164.1	1980943	GG	CC	CC	INTERGENIC		
SNP_22599B_1983501	Ca_Kabuli_Chr05	NC_021164.1	1983501	AA	CC	CC	INTERGENIC		
SNP_22600B_1994663	Ca_Kabuli_Chr05	NC_021164.1	1994663	CC	TT	TT	INTERGENIC		
SNP_22601B_1994738	Ca_Kabuli_Chr05	NC_021164.1	1994738	CC	GG	GG	INTERGENIC		
SNP_22602B_1995023	Ca_Kabuli_Chr05	NC_021164.1	1995023	AA	TT	TT	INTERGENIC		
SNP_22603B_1995129	Ca_Kabuli_Chr05	NC_021164.1	1995129	AA	TT	TT	INTERGENIC		
SNP_22604B_1995157	Ca_Kabuli_Chr05	NC_021164.1	1995157	CC	GG	GG	INTERGENIC		
SNP_22605B_1995279	Ca_Kabuli_Chr05	NC_021164.1	1995279	TT	AA	AA	INTERGENIC		
SNP_22607B_2000474	Ca_Kabuli_Chr05	NC_021164.1	2000474	AA	GG	GG	INTERGENIC		
SNP_22608B_2000494	Ca_Kabuli_Chr05	NC_021164.1	2000494	AA	GG	GG	INTERGENIC		
SNP_22609B_2000569	Ca_Kabuli_Chr05	NC_021164.1	2000569	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_22610B_2000590	Ca_Kabuli_Chr05	NC_021164.1	2000590	TT	CC	CC	INTERGENIC		
SNP_22611B_2000618	Ca_Kabuli_Chr05	NC_021164.1	2000618	AA	GG	GG	INTERGENIC		
SNP_22612B_2000669	Ca_Kabuli_Chr05	NC_021164.1	2000669	CC	TT	TT	INTERGENIC		
SNP_22613B_2000695	Ca_Kabuli_Chr05	NC_021164.1	2000695	AA	TT	TT	INTERGENIC		
SNP_22614B_2002314	Ca_Kabuli_Chr05	NC_021164.1	2002314	TT	CC	CC	INTERGENIC		
SNP_22615B_2002326	Ca_Kabuli_Chr05	NC_021164.1	2002326	TT	CC	CC	INTERGENIC		
SNP_22616B_2006878	Ca_Kabuli_Chr05	NC_021164.1	2006878	AA	TT	TT	INTERGENIC		
SNP_22617B_2008542	Ca_Kabuli_Chr05	NC_021164.1	2008542	TT	AA	AA	INTERGENIC		
SNP_22618B_2008849	Ca_Kabuli_Chr05	NC_021164.1	2008849	TT	CC	CC	INTERGENIC		
SNP_22619B_2008870	Ca_Kabuli_Chr05	NC_021164.1	2008870	AA	CC	CC	INTERGENIC		
SNP_22620B_2008885	Ca_Kabuli_Chr05	NC_021164.1	2008885	TT	CC	CC	INTERGENIC		
SNP_22621B_2008903	Ca_Kabuli_Chr05	NC_021164.1	2008903	CC	TT	TT	INTERGENIC		
SNP_22622B_2018530	Ca_Kabuli_Chr05	NC_021164.1	2018530	AA	GG	GG	INTERGENIC		
SNP_22623B_2034538	Ca_Kabuli_Chr05	NC_021164.1	2034538	AA	GG	GG	INTERGENIC		
SNP_22624B_2043286	Ca_Kabuli_Chr05	NC_021164.1	2043286	GG	AA	AA	INTERGENIC		
SNP_22625B_2043314	Ca_Kabuli_Chr05	NC_021164.1	2043314	AA	CC	CC	INTERGENIC		
SNP_22626B_2043494	Ca_Kabuli_Chr05	NC_021164.1	2043494	CC	TT	TT	INTERGENIC		
SNP_22627B_2096863	Ca_Kabuli_Chr05	NC_021164.1	2096863	AA	GG	GG	INTERGENIC		
SNP_22628B_2097072	Ca_Kabuli_Chr05	NC_021164.1	2097072	AA	TT	TT	INTERGENIC		
SNP_22629B_2097145	Ca_Kabuli_Chr05	NC_021164.1	2097145	AA	TT	TT	INTERGENIC		
SNP_22630B_2097357	Ca_Kabuli_Chr05	NC_021164.1	2097357	AA	CC	CC	INTERGENIC		
SNP_22631B_2100307	Ca_Kabuli_Chr05	NC_021164.1	2100307	GG	AA	AA	INTERGENIC		
SNP_22632B_2100931	Ca_Kabuli_Chr05	NC_021164.1	2100931	GG	TT	TT	INTERGENIC		
SNP_22633B_2100942	Ca_Kabuli_Chr05	NC_021164.1	2100942	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_22634B_2291160	Ca_Kabuli_Chr05	NC_021164.1	2291160	CC	TT	TT	INTERGENIC		
SNP_22635B_2293943	Ca_Kabuli_Chr05	NC_021164.1	2293943	CC	GG	GG	INTERGENIC		
SNP_22636B_2295090	Ca_Kabuli_Chr05	NC_021164.1	2295090	TT	CC	CC	INTERGENIC		
SNP_22637B_2296517	Ca_Kabuli_Chr05	NC_021164.1	2296517	GG	AA	AA	INTERGENIC		
SNP_22638B_2302945	Ca_Kabuli_Chr05	NC_021164.1	2302945	AA	GG	GG	INTERGENIC		
SNP_22639B_2304566	Ca_Kabuli_Chr05	NC_021164.1	2304566	TT	CC	CC	INTERGENIC		
SNP_22640B_2305207	Ca_Kabuli_Chr05	NC_021164.1	2305207	CC	AA	AA	INTERGENIC		
SNP_22641B_2305619	Ca_Kabuli_Chr05	NC_021164.1	2305619	TT	CC	CC	INTERGENIC		
SNP_22642B_2323228	Ca_Kabuli_Chr05	NC_021164.1	2323228	CC	TT	TT	INTERGENIC		
SNP_22644B_2323476	Ca_Kabuli_Chr05	NC_021164.1	2323476	TT	GG	GG	INTERGENIC		
SNP_22645B_2323564	Ca_Kabuli_Chr05	NC_021164.1	2323564	GG	AA	AA	INTERGENIC		
SNP_22646B_2323590	Ca_Kabuli_Chr05	NC_021164.1	2323590	AA	GG	GG	INTERGENIC		
SNP_22647B_2323599	Ca_Kabuli_Chr05	NC_021164.1	2323599	AA	CC	CC	INTERGENIC		
SNP_22648B_2323727	Ca_Kabuli_Chr05	NC_021164.1	2323727	TT	CC	CC	INTERGENIC		
SNP_22649B_2323868	Ca_Kabuli_Chr05	NC_021164.1	2323868	CC	TT	TT	INTERGENIC		
SNP_22650B_2323904	Ca_Kabuli_Chr05	NC_021164.1	2323904	TT	CC	CC	INTERGENIC		
SNP_22651B_2323935	Ca_Kabuli_Chr05	NC_021164.1	2323935	TT	AA	AA	INTERGENIC		
SNP_22652B_2324295	Ca_Kabuli_Chr05	NC_021164.1	2324295	TT	CC	CC	INTERGENIC		
SNP_22653B_2324315	Ca_Kabuli_Chr05	NC_021164.1	2324315	CC	AA	AA	INTERGENIC		
SNP_22654B_2324326	Ca_Kabuli_Chr05	NC_021164.1	2324326	AA	CC	CC	INTERGENIC		
SNP_22655B_2324452	Ca_Kabuli_Chr05	NC_021164.1	2324452	TT	AA	AA	INTERGENIC		
SNP_22656B_2324454	Ca_Kabuli_Chr05	NC_021164.1	2324454	AA	TT	TT	INTERGENIC		
SNP_22657B_2324535	Ca_Kabuli_Chr05	NC_021164.1	2324535	TT	GG	GG	INTERGENIC		
SNP_22658B_2324573	Ca_Kabuli_Chr05	NC_021164.1	2324573	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_22659B_2324630	Ca_Kabuli_Chr05	NC_021164.1	2324630	GG	AA	AA	INTERGENIC		
SNP_22660B_2324641	Ca_Kabuli_Chr05	NC_021164.1	2324641	CC	AA	AA	INTERGENIC		
SNP_22661B_2324665	Ca_Kabuli_Chr05	NC_021164.1	2324665	AA	GG	GG	INTERGENIC		
SNP_22662B_2324815	Ca_Kabuli_Chr05	NC_021164.1	2324815	GG	CC	CC	INTERGENIC		
SNP_22663B_2324845	Ca_Kabuli_Chr05	NC_021164.1	2324845	TT	AA	AA	INTERGENIC		
SNP_22664B_2324934	Ca_Kabuli_Chr05	NC_021164.1	2324934	TT	CC	CC	INTERGENIC		
SNP_22665B_2325042	Ca_Kabuli_Chr05	NC_021164.1	2325042	TT	CC	CC	INTERGENIC		
SNP_22666B_2325059	Ca_Kabuli_Chr05	NC_021164.1	2325059	AA	CC	CC	INTERGENIC		
SNP_22667B_2325063	Ca_Kabuli_Chr05	NC_021164.1	2325063	TT	AA	AA	INTERGENIC		
SNP_22668B_2325064	Ca_Kabuli_Chr05	NC_021164.1	2325064	AA	GG	GG	INTERGENIC		
SNP_22669B_2325120	Ca_Kabuli_Chr05	NC_021164.1	2325120	AA	GG	GG	INTERGENIC		
SNP_22670B_2325154	Ca_Kabuli_Chr05	NC_021164.1	2325154	TT	AA	AA	INTERGENIC		
SNP_22671B_2325270	Ca_Kabuli_Chr05	NC_021164.1	2325270	AA	TT	TT	INTERGENIC		
SNP_22672B_2325624	Ca_Kabuli_Chr05	NC_021164.1	2325624	GG	TT	TT	INTERGENIC		
SNP_22673B_2325629	Ca_Kabuli_Chr05	NC_021164.1	2325629	TT	CC	CC	INTERGENIC		
SNP_22674B_2325635	Ca_Kabuli_Chr05	NC_021164.1	2325635	TT	GG	GG	INTERGENIC		
SNP_22675B_2325881	Ca_Kabuli_Chr05	NC_021164.1	2325881	GG	TT	TT	INTERGENIC		
SNP_22676B_2325928	Ca_Kabuli_Chr05	NC_021164.1	2325928	TT	CC	CC	INTERGENIC		
SNP_22677B_2326349	Ca_Kabuli_Chr05	NC_021164.1	2326349	TT	AA	AA	INTERGENIC		
SNP_22678B_2326682	Ca_Kabuli_Chr05	NC_021164.1	2326682	AA	CC	CC	INTERGENIC		
SNP_22679B_2326793	Ca_Kabuli_Chr05	NC_021164.1	2326793	AA	CC	CC	INTERGENIC		
SNP_22680B_2326873	Ca_Kabuli_Chr05	NC_021164.1	2326873	CC	TT	TT	INTERGENIC		
SNP_22681B_2326890	Ca_Kabuli_Chr05	NC_021164.1	2326890	AA	GG	GG	INTERGENIC		
SNP_22682B_2326917	Ca_Kabuli_Chr05	NC_021164.1	2326917	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_22683B_2326919	Ca_Kabuli_Chr05	NC_021164.1	2326919	AA	TT	TT	INTERGENIC		
SNP_22684B_2326968	Ca_Kabuli_Chr05	NC_021164.1	2326968	AA	GG	GG	INTERGENIC		
SNP_22685B_2327069	Ca_Kabuli_Chr05	NC_021164.1	2327069	CC	AA	AA	INTERGENIC		
SNP_22686B_2327108	Ca_Kabuli_Chr05	NC_021164.1	2327108	AA	CC	CC	INTERGENIC		
SNP_22687B_2327170	Ca_Kabuli_Chr05	NC_021164.1	2327170	CC	AA	AA	INTERGENIC		
SNP_22688B_2327178	Ca_Kabuli_Chr05	NC_021164.1	2327178	AA	TT	TT	INTERGENIC		
SNP_22689B_2327210	Ca_Kabuli_Chr05	NC_021164.1	2327210	TT	GG	GG	INTERGENIC		
SNP_22691B_2327313	Ca_Kabuli_Chr05	NC_021164.1	2327313	AA	GG	GG	INTERGENIC		
SNP_22692B_2327323	Ca_Kabuli_Chr05	NC_021164.1	2327323	AA	GG	GG	INTERGENIC		
SNP_22693B_2327360	Ca_Kabuli_Chr05	NC_021164.1	2327360	AA	GG	GG	INTERGENIC		
SNP_22694B_2327361	Ca_Kabuli_Chr05	NC_021164.1	2327361	CC	TT	TT	INTERGENIC		
SNP_22695B_2327383	Ca_Kabuli_Chr05	NC_021164.1	2327383	TT	CC	CC	INTERGENIC		
SNP_22696B_2327390	Ca_Kabuli_Chr05	NC_021164.1	2327390	GG	TT	TT	INTERGENIC		
SNP_22697B_2327440	Ca_Kabuli_Chr05	NC_021164.1	2327440	AA	CC	CC	INTERGENIC		
SNP_22698B_2327472	Ca_Kabuli_Chr05	NC_021164.1	2327472	AA	GG	GG	INTERGENIC		
SNP_22699B_2327524	Ca_Kabuli_Chr05	NC_021164.1	2327524	TT	CC	CC	INTERGENIC		
SNP_22700B_2327653	Ca_Kabuli_Chr05	NC_021164.1	2327653	CC	GG	GG	INTERGENIC		
SNP_22701B_2327912	Ca_Kabuli_Chr05	NC_021164.1	2327912	TT	AA	AA	INTERGENIC		
SNP_22702B_2327929	Ca_Kabuli_Chr05	NC_021164.1	2327929	TT	AA	AA	INTERGENIC		
SNP_22703B_2327930	Ca_Kabuli_Chr05	NC_021164.1	2327930	GG	AA	AA	INTERGENIC		
SNP_22704B_2327955	Ca_Kabuli_Chr05	NC_021164.1	2327955	CC	TT	TT	INTERGENIC		
SNP_22705B_2327980	Ca_Kabuli_Chr05	NC_021164.1	2327980	CC	TT	TT	INTERGENIC		
SNP_22706B_2328090	Ca_Kabuli_Chr05	NC_021164.1	2328090	TT	AA	AA	INTERGENIC		
SNP_22707B_2328128	Ca_Kabuli_Chr05	NC_021164.1	2328128	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_22708B_2328485	Ca_Kabuli_Chr05	NC_021164.1	2328485	AA	GG	GG	INTERGENIC		
SNP_22709B_2375490	Ca_Kabuli_Chr05	NC_021164.1	2375490	TT	GG	GG	INTERGENIC		
SNP_22712B_2454809	Ca_Kabuli_Chr05	NC_021164.1	2454809	AA	CC	CC	INTERGENIC		
SNP_22713B_2495578	Ca_Kabuli_Chr05	NC_021164.1	2495578	GG	TT	TT	INTERGENIC		
SNP_22714B_2519218	Ca_Kabuli_Chr05	NC_021164.1	2519218	CC	TT	TT	INTERGENIC		
SNP_22715B_2519728	Ca_Kabuli_Chr05	NC_021164.1	2519728	CC	TT	TT	INTERGENIC		
SNP_22716B_2540094	Ca_Kabuli_Chr05	NC_021164.1	2540094	TT	GG	GG	INTERGENIC		
SNP_22717B_2540108	Ca_Kabuli_Chr05	NC_021164.1	2540108	TT	GG	GG	INTERGENIC		
SNP_22718B_2546738	Ca_Kabuli_Chr05	NC_021164.1	2546738	TT	CC	CC	INTERGENIC		
SNP_22719B_2626781	Ca_Kabuli_Chr05	NC_021164.1	2626781	AA	TT	TT	INTERGENIC		
SNP_22720B_2628499	Ca_Kabuli_Chr05	NC_021164.1	2628499	AA	TT	TT	INTERGENIC		
SNP_22721B_2628508	Ca_Kabuli_Chr05	NC_021164.1	2628508	TT	CC	CC	INTERGENIC		
SNP_22722B_2628538	Ca_Kabuli_Chr05	NC_021164.1	2628538	CC	TT	TT	INTERGENIC		
SNP_22724B_2628594	Ca_Kabuli_Chr05	NC_021164.1	2628594	GG	AA	AA	INTERGENIC		
SNP_22725B_2628682	Ca_Kabuli_Chr05	NC_021164.1	2628682	CC	AA	AA	INTERGENIC		
SNP_22726B_2641145	Ca_Kabuli_Chr05	NC_021164.1	2641145	CC	AA	AA	INTERGENIC		
SNP_22727B_2664226	Ca_Kabuli_Chr05	NC_021164.1	2664226	AA	TT	TT	INTERGENIC		
SNP_22728B_2744336	Ca_Kabuli_Chr05	NC_021164.1	2744336	GG	AA	AA	INTERGENIC		
SNP_22729B_2744583	Ca_Kabuli_Chr05	NC_021164.1	2744583	CC	AA	AA	INTERGENIC		
SNP_22730B_2744588	Ca_Kabuli_Chr05	NC_021164.1	2744588	CC	TT	TT	INTERGENIC		
SNP_22731B_2744639	Ca_Kabuli_Chr05	NC_021164.1	2744639	AA	GG	GG	INTERGENIC		
SNP_22732B_2744686	Ca_Kabuli_Chr05	NC_021164.1	2744686	TT	CC	CC	INTERGENIC		
SNP_22733B_2753644	Ca_Kabuli_Chr05	NC_021164.1	2753644	AA	GG	GG	INTERGENIC		
SNP_22734B_2831185	Ca_Kabuli_Chr05	NC_021164.1	2831185	AA	GG	GG	INTRON	101503858	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_22735B_2912543	Ca_Kabuli_Chr05	NC_021164.1	2912543	AA	GG	GG	INTERGENIC		
SNP_22736B_2920680	Ca_Kabuli_Chr05	NC_021164.1	2920680	AA	GG	GG	INTERGENIC		
SNP_22737B_2948530	Ca_Kabuli_Chr05	NC_021164.1	2948530	GG	TT	TT	INTRON	101496325	nudix hydrolase 3
SNP_22738B_2948531	Ca_Kabuli_Chr05	NC_021164.1	2948531	TT	CC	CC	INTRON	101496325	nudix hydrolase 3
SNP_22739B_3066729	Ca_Kabuli_Chr05	NC_021164.1	3066729	AA	GG	GG	INTERGENIC		
SNP_22740B_3067090	Ca_Kabuli_Chr05	NC_021164.1	3067090	GG	AA	AA	INTERGENIC		
SNP_22741B_3067114	Ca_Kabuli_Chr05	NC_021164.1	3067114	CC	TT	TT	INTERGENIC		
SNP_22742B_3067141	Ca_Kabuli_Chr05	NC_021164.1	3067141	AA	GG	GG	INTERGENIC		
SNP_22743B_3070154	Ca_Kabuli_Chr05	NC_021164.1	3070154	CC	TT	TT	INTERGENIC		
SNP_22745B_3117498	Ca_Kabuli_Chr05	NC_021164.1	3117498	AA	CC	CC	INTERGENIC		
SNP_22747B_3117523	Ca_Kabuli_Chr05	NC_021164.1	3117523	TT	CC	CC	INTERGENIC		
SNP_22748B_3117975	Ca_Kabuli_Chr05	NC_021164.1	3117975	TT	GG	GG	INTERGENIC		
SNP_22749B_3118035	Ca_Kabuli_Chr05	NC_021164.1	3118035	CC	TT	TT	INTERGENIC		
SNP_22750B_3170635	Ca_Kabuli_Chr05	NC_021164.1	3170635	TT	CC	CC	INTERGENIC		
SNP_22751B_3297859	Ca_Kabuli_Chr05	NC_021164.1	3297859	GG	AA	AA	INTERGENIC		
SNP_22752B_3353375	Ca_Kabuli_Chr05	NC_021164.1	3353375	AA	GG	GG	INTERGENIC		
SNP_22753B_3419948	Ca_Kabuli_Chr05	NC_021164.1	3419948	GG	AA	AA	INTERGENIC		
SNP_22754B_3476691	Ca_Kabuli_Chr05	NC_021164.1	3476691	GG	AA	AA	INTERGENIC		
SNP_22755B_3570468	Ca_Kabuli_Chr05	NC_021164.1	3570468	AA	GG	GG	INTERGENIC		
SNP_22756B_3570504	Ca_Kabuli_Chr05	NC_021164.1	3570504	AA	GG	GG	INTERGENIC		
SNP_22757B_3570602	Ca_Kabuli_Chr05	NC_021164.1	3570602	GG	AA	AA	INTERGENIC		
SNP_22758B_3570619	Ca_Kabuli_Chr05	NC_021164.1	3570619	CC	TT	TT	INTERGENIC		
SNP_22759B_3570634	Ca_Kabuli_Chr05	NC_021164.1	3570634	GG	AA	AA	INTERGENIC		
SNP_22761B_3570676	Ca_Kabuli_Chr05	NC_021164.1	3570676	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_22762B_3570746	Ca_Kabuli_Chr05	NC_021164.1	3570746	GG	AA	AA	INTERGENIC		
SNP_22763B_3570788	Ca_Kabuli_Chr05	NC_021164.1	3570788	AA	TT	TT	INTERGENIC		
SNP_22764B_3570796	Ca_Kabuli_Chr05	NC_021164.1	3570796	AA	TT	TT	INTERGENIC		
SNP_22765B_3570834	Ca_Kabuli_Chr05	NC_021164.1	3570834	CC	AA	AA	INTERGENIC		
SNP_22766B_3577752	Ca_Kabuli_Chr05	NC_021164.1	3577752	AA	GG	GG	INTERGENIC		
SNP_22767B_3577759	Ca_Kabuli_Chr05	NC_021164.1	3577759	TT	CC	CC	INTERGENIC		
SNP_22768B_3577794	Ca_Kabuli_Chr05	NC_021164.1	3577794	AA	GG	GG	INTERGENIC		
SNP_22769B_3577837	Ca_Kabuli_Chr05	NC_021164.1	3577837	AA	CC	CC	INTERGENIC		
SNP_22770B_3578205	Ca_Kabuli_Chr05	NC_021164.1	3578205	AA	CC	CC	INTERGENIC		
SNP_22771B_3589828	Ca_Kabuli_Chr05	NC_021164.1	3589828	CC	TT	TT	INTRON	101507084	Unknown function
SNP_22772B_3589834	Ca_Kabuli_Chr05	NC_021164.1	3589834	TT	CC	CC	INTRON	101507084	Unknown function
SNP_22773B_3590337	Ca_Kabuli_Chr05	NC_021164.1	3590337	AA	GG	GG	INTRON	101507084	Unknown function
SNP_22774B_3590791	Ca_Kabuli_Chr05	NC_021164.1	3590791	GG	AA	AA	INTRON	101507084	Unknown function
SNP_22775B_3592446	Ca_Kabuli_Chr05	NC_021164.1	3592446	AA	TT	TT	INTRON	101507084	Unknown function
SNP_22776B_3592452	Ca_Kabuli_Chr05	NC_021164.1	3592452	CC	AA	AA	INTRON	101507084	Unknown function
SNP_22777B_3598098	Ca_Kabuli_Chr05	NC_021164.1	3598098	GG	AA	AA	URR	101507084	Unknown function
SNP_22778B_3639262	Ca_Kabuli_Chr05	NC_021164.1	3639262	TT	CC	CC	INTERGENIC		
SNP_22779B_3639553	Ca_Kabuli_Chr05	NC_021164.1	3639553	TT	CC	CC	INTERGENIC		
SNP_22780B_3691097	Ca_Kabuli_Chr05	NC_021164.1	3691097	AA	GG	GG	INTERGENIC		
SNP_22781B_3691099	Ca_Kabuli_Chr05	NC_021164.1	3691099	CC	TT	TT	INTERGENIC		
SNP_22783B_3742124	Ca_Kabuli_Chr05	NC_021164.1	3742124	GG	AA	AA	INTERGENIC		
SNP_22784B_3742570	Ca_Kabuli_Chr05	NC_021164.1	3742570	TT	AA	AA	INTERGENIC		
SNP_22785B_3742626	Ca_Kabuli_Chr05	NC_021164.1	3742626	AA	GG	GG	INTERGENIC		
SNP_22786B_3742766	Ca_Kabuli_Chr05	NC_021164.1	3742766	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_22787B_3742807	Ca_Kabuli_Chr05	NC_021164.1	3742807	CC	TT	TT	INTERGENIC		
SNP_22788B_3749569	Ca_Kabuli_Chr05	NC_021164.1	3749569	TT	AA	AA	INTERGENIC		
SNP_22789B_3782556	Ca_Kabuli_Chr05	NC_021164.1	3782556	GG	AA	AA	INTERGENIC		
SNP_22790B_3797799	Ca_Kabuli_Chr05	NC_021164.1	3797799	GG	TT	TT	INTERGENIC		
SNP_22791B_3798618	Ca_Kabuli_Chr05	NC_021164.1	3798618	AA	GG	GG	INTERGENIC		
SNP_22792B_3798982	Ca_Kabuli_Chr05	NC_021164.1	3798982	TT	AA	AA	INTERGENIC		
SNP_22793B_3799007	Ca_Kabuli_Chr05	NC_021164.1	3799007	GG	AA	AA	INTERGENIC		
SNP_22794B_3799036	Ca_Kabuli_Chr05	NC_021164.1	3799036	TT	CC	CC	INTERGENIC		
SNP_22795B_3799066	Ca_Kabuli_Chr05	NC_021164.1	3799066	TT	AA	AA	INTERGENIC		
SNP_22796B_3808700	Ca_Kabuli_Chr05	NC_021164.1	3808700	AA	GG	GG	INTERGENIC		
SNP_22797B_3808798	Ca_Kabuli_Chr05	NC_021164.1	3808798	TT	CC	CC	INTERGENIC		
SNP_22798B_3808882	Ca_Kabuli_Chr05	NC_021164.1	3808882	TT	CC	CC	INTERGENIC		
SNP_22799B_3809087	Ca_Kabuli_Chr05	NC_021164.1	3809087	AA	GG	GG	INTERGENIC		
SNP_22800B_3838231	Ca_Kabuli_Chr05	NC_021164.1	3838231	TT	CC	CC	INTERGENIC		
SNP_22801B_3864961	Ca_Kabuli_Chr05	NC_021164.1	3864961	TT	AA	AA	INTERGENIC		
SNP_22802B_3865035	Ca_Kabuli_Chr05	NC_021164.1	3865035	AA	TT	TT	INTERGENIC		
SNP_22803B_3865098	Ca_Kabuli_Chr05	NC_021164.1	3865098	TT	AA	AA	INTERGENIC		
SNP_22804B_3865353	Ca_Kabuli_Chr05	NC_021164.1	3865353	AA	TT	TT	INTERGENIC		
SNP_22805B_3865363	Ca_Kabuli_Chr05	NC_021164.1	3865363	AA	TT	TT	INTERGENIC		
SNP_22806B_3865364	Ca_Kabuli_Chr05	NC_021164.1	3865364	GG	AA	AA	INTERGENIC		
SNP_22807B_3865497	Ca_Kabuli_Chr05	NC_021164.1	3865497	CC	TT	TT	INTERGENIC		
SNP_22808B_3865616	Ca_Kabuli_Chr05	NC_021164.1	3865616	AA	TT	TT	INTERGENIC		
SNP_22809B_3865709	Ca_Kabuli_Chr05	NC_021164.1	3865709	AA	TT	TT	INTERGENIC		
SNP_22810B_3865747	Ca_Kabuli_Chr05	NC_021164.1	3865747	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_22811B_3865756	Ca_Kabuli_Chr05	NC_021164.1	3865756	CC	AA	AA	INTERGENIC		
SNP_22813B_3865925	Ca_Kabuli_Chr05	NC_021164.1	3865925	GG	TT	TT	INTERGENIC		
SNP_22814B_3869349	Ca_Kabuli_Chr05	NC_021164.1	3869349	TT	AA	AA	INTERGENIC		
SNP_22815B_3869459	Ca_Kabuli_Chr05	NC_021164.1	3869459	AA	GG	GG	INTERGENIC		
SNP_22816B_3874676	Ca_Kabuli_Chr05	NC_021164.1	3874676	TT	CC	CC	INTERGENIC		
SNP_22817B_3993169	Ca_Kabuli_Chr05	NC_021164.1	3993169	TT	AA	AA	INTERGENIC		
SNP_22818B_3993444	Ca_Kabuli_Chr05	NC_021164.1	3993444	GG	TT	TT	INTERGENIC		
SNP_22820B_4064778	Ca_Kabuli_Chr05	NC_021164.1	4064778	GG	AA	AA	DRR	101514271	uncharacterized LOC101514271
SNP_22821B_4071473	Ca_Kabuli_Chr05	NC_021164.1	4071473	AA	GG	GG	URR	101514588	Unknown function
SNP_22822B_4124063	Ca_Kabuli_Chr05	NC_021164.1	4124063	AA	GG	GG	INTERGENIC		
SNP_22823B_4141170	Ca_Kabuli_Chr05	NC_021164.1	4141170	CC	AA	AA	INTERGENIC		
SNP_22824B_4141199	Ca_Kabuli_Chr05	NC_021164.1	4141199	CC	TT	TT	INTERGENIC		
SNP_22825B_4141551	Ca_Kabuli_Chr05	NC_021164.1	4141551	GG	CC	CC	INTERGENIC		
SNP_22826B_4141582	Ca_Kabuli_Chr05	NC_021164.1	4141582	TT	AA	AA	INTERGENIC		
SNP_22827B_4141765	Ca_Kabuli_Chr05	NC_021164.1	4141765	CC	TT	TT	INTERGENIC		
SNP_22828B_4141806	Ca_Kabuli_Chr05	NC_021164.1	4141806	AA	GG	GG	INTERGENIC		
SNP_22829B_4141811	Ca_Kabuli_Chr05	NC_021164.1	4141811	GG	AA	AA	INTERGENIC		
SNP_22830B_4156295	Ca_Kabuli_Chr05	NC_021164.1	4156295	AA	GG	GG	INTERGENIC		
SNP_22831B_4172730	Ca_Kabuli_Chr05	NC_021164.1	4172730	TT	AA	AA	INTERGENIC		
SNP_22832B_4172823	Ca_Kabuli_Chr05	NC_021164.1	4172823	AA	GG	GG	INTERGENIC		
SNP_22833B_4178539	Ca_Kabuli_Chr05	NC_021164.1	4178539	TT	GG	GG	INTERGENIC		
SNP_22834B_4179186	Ca_Kabuli_Chr05	NC_021164.1	4179186	GG	AA	AA	INTERGENIC		
SNP_22835B_4179222	Ca_Kabuli_Chr05	NC_021164.1	4179222	GG	CC	CC	INTERGENIC		
SNP_22838B_4192414	Ca_Kabuli_Chr05	NC_021164.1	4192414	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_22839B_4212401	Ca_Kabuli_Chr05	NC_021164.1	4212401	GG	AA	AA	DRR	101514915	uncharacterized LOC101514915
SNP_22840B_4212757	Ca_Kabuli_Chr05	NC_021164.1	4212757	TT	GG	GG	DRR	101514915	uncharacterized LOC101514915
SNP_22841B_4213199	Ca_Kabuli_Chr05	NC_021164.1	4213199	AA	GG	GG	NON_SYNONYMOUS_CODING	101514915	uncharacterized LOC101514915
SNP_22842B_4219744	Ca_Kabuli_Chr05	NC_021164.1	4219744	AA	GG	GG	INTERGENIC		
SNP_22843B_4219809	Ca_Kabuli_Chr05	NC_021164.1	4219809	CC	AA	AA	INTERGENIC		
SNP_22844B_4219843	Ca_Kabuli_Chr05	NC_021164.1	4219843	GG	AA	AA	INTERGENIC		
SNP_22845B_4219858	Ca_Kabuli_Chr05	NC_021164.1	4219858	GG	TT	TT	INTERGENIC		
SNP_22846B_4219867	Ca_Kabuli_Chr05	NC_021164.1	4219867	AA	CC	CC	INTERGENIC		
SNP_22847B_4219913	Ca_Kabuli_Chr05	NC_021164.1	4219913	AA	CC	CC	INTERGENIC		
SNP_22848B_4220114	Ca_Kabuli_Chr05	NC_021164.1	4220114	AA	GG	GG	INTERGENIC		
SNP_22849B_4220212	Ca_Kabuli_Chr05	NC_021164.1	4220212	CC	TT	TT	INTERGENIC		
SNP_22850B_4221019	Ca_Kabuli_Chr05	NC_021164.1	4221019	AA	GG	GG	INTERGENIC		
SNP_22851B_4221096	Ca_Kabuli_Chr05	NC_021164.1	4221096	AA	GG	GG	INTERGENIC		
SNP_22852B_4222649	Ca_Kabuli_Chr05	NC_021164.1	4222649	AA	GG	GG	INTERGENIC		
SNP_22853B_4222661	Ca_Kabuli_Chr05	NC_021164.1	4222661	AA	CC	CC	INTERGENIC		
SNP_22854B_4222754	Ca_Kabuli_Chr05	NC_021164.1	4222754	GG	AA	AA	INTERGENIC		
SNP_22855B_4222770	Ca_Kabuli_Chr05	NC_021164.1	4222770	AA	GG	GG	INTERGENIC		
SNP_22856B_4222836	Ca_Kabuli_Chr05	NC_021164.1	4222836	CC	TT	TT	INTERGENIC		
SNP_22857B_4223052	Ca_Kabuli_Chr05	NC_021164.1	4223052	AA	GG	GG	INTERGENIC		
SNP_22858B_4223064	Ca_Kabuli_Chr05	NC_021164.1	4223064	GG	AA	AA	INTERGENIC		
SNP_22859B_4231668	Ca_Kabuli_Chr05	NC_021164.1	4231668	AA	GG	GG	INTERGENIC		
SNP_22860B_4231739	Ca_Kabuli_Chr05	NC_021164.1	4231739	GG	AA	AA	INTERGENIC		
SNP_22861B_4231900	Ca_Kabuli_Chr05	NC_021164.1	4231900	TT	CC	CC	INTERGENIC		
SNP_22862B_4231918	Ca_Kabuli_Chr05	NC_021164.1	4231918	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_22863B_4237407	Ca_Kabuli_Chr05	NC_021164.1	4237407	TT	AA	AA	INTERGENIC		
SNP_22864B_4238251	Ca_Kabuli_Chr05	NC_021164.1	4238251	GG	AA	AA	INTERGENIC		
SNP_22865B_4242265	Ca_Kabuli_Chr05	NC_021164.1	4242265	GG	AA	AA	INTERGENIC		
SNP_22866B_4247753	Ca_Kabuli_Chr05	NC_021164.1	4247753	GG	TT	TT	INTERGENIC		
SNP_22867B_4250201	Ca_Kabuli_Chr05	NC_021164.1	4250201	GG	AA	AA	INTERGENIC		
SNP_22868B_4257261	Ca_Kabuli_Chr05	NC_021164.1	4257261	GG	AA	AA	INTERGENIC		
SNP_22869B_4257285	Ca_Kabuli_Chr05	NC_021164.1	4257285	TT	CC	CC	INTERGENIC		
SNP_22870B_4257286	Ca_Kabuli_Chr05	NC_021164.1	4257286	GG	AA	AA	INTERGENIC		
SNP_22871B_4264060	Ca_Kabuli_Chr05	NC_021164.1	4264060	TT	CC	CC	INTERGENIC		
SNP_22873B_4280725	Ca_Kabuli_Chr05	NC_021164.1	4280725	CC	AA	AA	INTERGENIC		
SNP_22874B_4297732	Ca_Kabuli_Chr05	NC_021164.1	4297732	AA	CC	CC	INTERGENIC		
SNP_22875B_4297737	Ca_Kabuli_Chr05	NC_021164.1	4297737	CC	TT	TT	INTERGENIC		
SNP_22876B_4297870	Ca_Kabuli_Chr05	NC_021164.1	4297870	CC	TT	TT	INTERGENIC		
SNP_22877B_4297914	Ca_Kabuli_Chr05	NC_021164.1	4297914	CC	TT	TT	INTERGENIC		
SNP_22878B_4297967	Ca_Kabuli_Chr05	NC_021164.1	4297967	AA	GG	GG	INTERGENIC		
SNP_22879B_4298054	Ca_Kabuli_Chr05	NC_021164.1	4298054	AA	GG	GG	INTERGENIC		
SNP_22880B_4298070	Ca_Kabuli_Chr05	NC_021164.1	4298070	TT	CC	CC	INTERGENIC		
SNP_22881B_4313525	Ca_Kabuli_Chr05	NC_021164.1	4313525	CC	TT	TT	INTERGENIC		
SNP_22882B_4313563	Ca_Kabuli_Chr05	NC_021164.1	4313563	TT	CC	CC	INTERGENIC		
SNP_22883B_4314623	Ca_Kabuli_Chr05	NC_021164.1	4314623	GG	AA	AA	INTERGENIC		
SNP_22884B_4314908	Ca_Kabuli_Chr05	NC_021164.1	4314908	GG	TT	TT	INTERGENIC		
SNP_22885B_4314909	Ca_Kabuli_Chr05	NC_021164.1	4314909	TT	AA	AA	INTERGENIC		
SNP_22886B_4315393	Ca_Kabuli_Chr05	NC_021164.1	4315393	AA	GG	GG	INTERGENIC		
SNP_22887B_4315683	Ca_Kabuli_Chr05	NC_021164.1	4315683	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_22888B_4375937	Ca_Kabuli_Chr05	NC_021164.1	4375937	GG	AA	AA	INTERGENIC		
SNP_22889B_4379477	Ca_Kabuli_Chr05	NC_021164.1	4379477	CC	AA	AA	INTERGENIC		
SNP_22890B_4398803	Ca_Kabuli_Chr05	NC_021164.1	4398803	GG	AA	AA	INTERGENIC		
SNP_22891B_4433503	Ca_Kabuli_Chr05	NC_021164.1	4433503	CC	AA	AA	INTERGENIC		
SNP_22892B_4433506	Ca_Kabuli_Chr05	NC_021164.1	4433506	TT	CC	CC	INTERGENIC		
SNP_22893B_4433515	Ca_Kabuli_Chr05	NC_021164.1	4433515	AA	TT	TT	INTERGENIC		
SNP_22894B_4433759	Ca_Kabuli_Chr05	NC_021164.1	4433759	TT	CC	CC	INTERGENIC		
SNP_22895B_4433783	Ca_Kabuli_Chr05	NC_021164.1	4433783	TT	AA	AA	INTERGENIC		
SNP_22896B_4433829	Ca_Kabuli_Chr05	NC_021164.1	4433829	GG	AA	AA	INTERGENIC		
SNP_22897B_4434019	Ca_Kabuli_Chr05	NC_021164.1	4434019	TT	GG	GG	INTERGENIC		
SNP_22898B_4437038	Ca_Kabuli_Chr05	NC_021164.1	4437038	GG	CC	CC	INTERGENIC		
SNP_22899B_4483791	Ca_Kabuli_Chr05	NC_021164.1	4483791	CC	AA	AA	INTERGENIC		
SNP_22900B_4487227	Ca_Kabuli_Chr05	NC_021164.1	4487227	AA	GG	GG	INTERGENIC		
SNP_22901B_4521983	Ca_Kabuli_Chr05	NC_021164.1	4521983	GG	AA	AA	INTERGENIC		
SNP_22902B_4536055	Ca_Kabuli_Chr05	NC_021164.1	4536055	AA	GG	GG	INTERGENIC		
SNP_22903B_4542198	Ca_Kabuli_Chr05	NC_021164.1	4542198	CC	GG	GG	INTERGENIC		
SNP_22904B_4542224	Ca_Kabuli_Chr05	NC_021164.1	4542224	TT	CC	CC	INTERGENIC		
SNP_22905B_4542230	Ca_Kabuli_Chr05	NC_021164.1	4542230	GG	TT	TT	INTERGENIC		
SNP_22907B_4552588	Ca_Kabuli_Chr05	NC_021164.1	4552588	GG	AA	AA	INTERGENIC		
SNP_22909B_4616014	Ca_Kabuli_Chr05	NC_021164.1	4616014	TT	CC	CC	INTERGENIC		
SNP_22910B_4616269	Ca_Kabuli_Chr05	NC_021164.1	4616269	AA	CC	CC	INTERGENIC		
SNP_22911B_4616270	Ca_Kabuli_Chr05	NC_021164.1	4616270	AA	GG	GG	INTERGENIC		
SNP_22912B_4616298	Ca_Kabuli_Chr05	NC_021164.1	4616298	AA	CC	CC	INTERGENIC		
SNP_22913B_4616303	Ca_Kabuli_Chr05	NC_021164.1	4616303	AA	GG	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_22914B_4616334	Ca_Kabuli_Chr05	NC_021164.1	4616334	AA	GG	GG	INTERGENIC		
SNP_22915B_4620723	Ca_Kabuli_Chr05	NC_021164.1	4620723	GG	AA	AA	URR	101491041	glycine-rich cell wall structural protein 1-like
SNP_22916B_4681520	Ca_Kabuli_Chr05	NC_021164.1	4681520	GG	CC	CC	INTERGENIC		
SNP_22917B_4689578	Ca_Kabuli_Chr05	NC_021164.1	4689578	TT	GG	GG	INTERGENIC		
SNP_22918B_4711673	Ca_Kabuli_Chr05	NC_021164.1	4711673	GG	AA	AA	INTERGENIC		
SNP_22919B_4713707	Ca_Kabuli_Chr05	NC_021164.1	4713707	TT	GG	GG	INTERGENIC		
SNP_22920B_4730928	Ca_Kabuli_Chr05	NC_021164.1	4730928	TT	CC	CC	INTERGENIC		
SNP_22921B_4731052	Ca_Kabuli_Chr05	NC_021164.1	4731052	GG	AA	AA	INTERGENIC		
SNP_22922B_4731379	Ca_Kabuli_Chr05	NC_021164.1	4731379	TT	CC	CC	INTERGENIC		
SNP_22923B_4731615	Ca_Kabuli_Chr05	NC_021164.1	4731615	AA	GG	GG	INTERGENIC		
SNP_22924B_4747911	Ca_Kabuli_Chr05	NC_021164.1	4747911	TT	CC	CC	INTERGENIC		
SNP_22925B_4748102	Ca_Kabuli_Chr05	NC_021164.1	4748102	TT	CC	CC	INTERGENIC		
SNP_22926B_4748760	Ca_Kabuli_Chr05	NC_021164.1	4748760	TT	AA	AA	INTERGENIC		
SNP_22927B_4751874	Ca_Kabuli_Chr05	NC_021164.1	4751874	TT	GG	GG	INTERGENIC		
SNP_22928B_4762755	Ca_Kabuli_Chr05	NC_021164.1	4762755	AA	GG	GG	INTERGENIC		
SNP_22929B_4763141	Ca_Kabuli_Chr05	NC_021164.1	4763141	CC	GG	GG	INTERGENIC		
SNP_22930B_4763170	Ca_Kabuli_Chr05	NC_021164.1	4763170	CC	TT	TT	INTERGENIC		
SNP_22931B_4767646	Ca_Kabuli_Chr05	NC_021164.1	4767646	AA	GG	GG	INTERGENIC		
SNP_22932B_4767713	Ca_Kabuli_Chr05	NC_021164.1	4767713	TT	CC	CC	INTERGENIC		
SNP_22933B_4768004	Ca_Kabuli_Chr05	NC_021164.1	4768004	AA	TT	TT	INTERGENIC		
SNP_22934B_4768020	Ca_Kabuli_Chr05	NC_021164.1	4768020	GG	TT	TT	INTERGENIC		
SNP_22935B_4768040	Ca_Kabuli_Chr05	NC_021164.1	4768040	AA	GG	GG	INTERGENIC		
SNP_22936B_4768427	Ca_Kabuli_Chr05	NC_021164.1	4768427	TT	CC	CC	INTERGENIC		
SNP_22937B_4768442	Ca_Kabuli_Chr05	NC_021164.1	4768442	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_22938B_4768638	Ca_Kabuli_Chr05	NC_021164.1	4768638	GG	TT	TT	INTERGENIC		
SNP_22939B_4768668	Ca_Kabuli_Chr05	NC_021164.1	4768668	AA	TT	TT	INTERGENIC		
SNP_22940B_4768706	Ca_Kabuli_Chr05	NC_021164.1	4768706	CC	TT	TT	INTERGENIC		
SNP_22941B_4768709	Ca_Kabuli_Chr05	NC_021164.1	4768709	TT	CC	CC	INTERGENIC		
SNP_22942B_4768723	Ca_Kabuli_Chr05	NC_021164.1	4768723	GG	AA	AA	INTERGENIC		
SNP_22943B_4768730	Ca_Kabuli_Chr05	NC_021164.1	4768730	CC	TT	TT	INTERGENIC		
SNP_22944B_4768802	Ca_Kabuli_Chr05	NC_021164.1	4768802	TT	CC	CC	INTERGENIC		
SNP_22945B_4793965	Ca_Kabuli_Chr05	NC_021164.1	4793965	CC	TT	TT	INTERGENIC		
SNP_22946B_4794656	Ca_Kabuli_Chr05	NC_021164.1	4794656	TT	CC	CC	INTERGENIC		
SNP_22947B_4794657	Ca_Kabuli_Chr05	NC_021164.1	4794657	GG	TT	TT	INTERGENIC		
SNP_22948B_4794743	Ca_Kabuli_Chr05	NC_021164.1	4794743	GG	AA	AA	INTERGENIC		
SNP_22949B_4830568	Ca_Kabuli_Chr05	NC_021164.1	4830568	TT	CC	CC	INTERGENIC		
SNP_22950B_4833910	Ca_Kabuli_Chr05	NC_021164.1	4833910	AA	GG	GG	INTERGENIC		
SNP_22951B_4856044	Ca_Kabuli_Chr05	NC_021164.1	4856044	GG	AA	AA	INTERGENIC		
SNP_22952B_4856228	Ca_Kabuli_Chr05	NC_021164.1	4856228	GG	TT	TT	INTERGENIC		
SNP_22953B_4856977	Ca_Kabuli_Chr05	NC_021164.1	4856977	AA	GG	GG	INTERGENIC		
SNP_22955B_4857288	Ca_Kabuli_Chr05	NC_021164.1	4857288	AA	CC	CC	INTERGENIC		
SNP_22956B_4869275	Ca_Kabuli_Chr05	NC_021164.1	4869275	AA	GG	GG	INTERGENIC		
SNP_22957B_4869298	Ca_Kabuli_Chr05	NC_021164.1	4869298	TT	CC	CC	INTERGENIC		
SNP_22958B_4869935	Ca_Kabuli_Chr05	NC_021164.1	4869935	CC	TT	TT	INTERGENIC		
SNP_22959B_4870492	Ca_Kabuli_Chr05	NC_021164.1	4870492	CC	TT	TT	INTERGENIC		
SNP_22960B_4885274	Ca_Kabuli_Chr05	NC_021164.1	4885274	GG	TT	TT	DRR	101491675	Unknown function
SNP_22961B_4955590	Ca_Kabuli_Chr05	NC_021164.1	4955590	CC	AA	AA	INTERGENIC		
SNP_22962B_4955609	Ca_Kabuli_Chr05	NC_021164.1	4955609	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_22963B_4959519	Ca_Kabuli_Chr05	NC_021164.1	4959519	AA	CC	CC	URR	101495991	Unknown function
SNP_22964B_4961707	Ca_Kabuli_Chr05	NC_021164.1	4961707	GG	AA	AA	DRR	101496326	uncharacterized LOC101496326
SNP_22965B_4962394	Ca_Kabuli_Chr05	NC_021164.1	4962394	CC	AA	AA	DRR	101496326	uncharacterized LOC101496326
SNP_22966B_4969350	Ca_Kabuli_Chr05	NC_021164.1	4969350	TT	CC	CC	INTERGENIC		
SNP_22967B_4969579	Ca_Kabuli_Chr05	NC_021164.1	4969579	CC	TT	TT	INTERGENIC		
SNP_22968B_4969686	Ca_Kabuli_Chr05	NC_021164.1	4969686	AA	TT	TT	INTERGENIC		
SNP_22969B_4969758	Ca_Kabuli_Chr05	NC_021164.1	4969758	AA	GG	GG	INTERGENIC		
SNP_22970B_4969792	Ca_Kabuli_Chr05	NC_021164.1	4969792	AA	GG	GG	INTERGENIC		
SNP_22972B_5083388	Ca_Kabuli_Chr05	NC_021164.1	5083388	GG	AA	AA	INTRON	101497298	Unknown function
SNP_22973B_5133905	Ca_Kabuli_Chr05	NC_021164.1	5133905	GG	AA	AA	INTERGENIC		
SNP_22975B_5193962	Ca_Kabuli_Chr05	NC_021164.1	5193962	CC	TT	TT	INTERGENIC		
SNP_22976B_5194011	Ca_Kabuli_Chr05	NC_021164.1	5194011	AA	GG	GG	INTERGENIC		
SNP_22977B_5194030	Ca_Kabuli_Chr05	NC_021164.1	5194030	GG	TT	TT	INTERGENIC		
SNP_22978B_5194031	Ca_Kabuli_Chr05	NC_021164.1	5194031	AA	GG	GG	INTERGENIC		
SNP_22979B_5194049	Ca_Kabuli_Chr05	NC_021164.1	5194049	AA	GG	GG	INTERGENIC		
SNP_22980B_5194096	Ca_Kabuli_Chr05	NC_021164.1	5194096	TT	CC	CC	INTERGENIC		
SNP_22981B_5194103	Ca_Kabuli_Chr05	NC_021164.1	5194103	TT	CC	CC	INTERGENIC		
SNP_22982B_5194128	Ca_Kabuli_Chr05	NC_021164.1	5194128	TT	CC	CC	INTERGENIC		
SNP_22983B_5194140	Ca_Kabuli_Chr05	NC_021164.1	5194140	TT	GG	GG	INTERGENIC		
SNP_22984B_5194142	Ca_Kabuli_Chr05	NC_021164.1	5194142	TT	AA	AA	INTERGENIC		
SNP_22985B_5194168	Ca_Kabuli_Chr05	NC_021164.1	5194168	TT	CC	CC	INTERGENIC		
SNP_22987B_5269149	Ca_Kabuli_Chr05	NC_021164.1	5269149	GG	TT	TT	INTERGENIC		
SNP_22988B_5269228	Ca_Kabuli_Chr05	NC_021164.1	5269228	TT	AA	AA	INTERGENIC		
SNP_22989B_5269291	Ca_Kabuli_Chr05	NC_021164.1	5269291	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_22990B_5299414	Ca_Kabuli_Chr05	NC_021164.1	5299414	CC	GG	GG	INTERGENIC		
SNP_22991B_5299472	Ca_Kabuli_Chr05	NC_021164.1	5299472	CC	TT	TT	INTERGENIC		
SNP_22992B_5299505	Ca_Kabuli_Chr05	NC_021164.1	5299505	CC	TT	TT	INTERGENIC		
SNP_22993B_5299520	Ca_Kabuli_Chr05	NC_021164.1	5299520	TT	CC	CC	INTERGENIC		
SNP_22994B_5299767	Ca_Kabuli_Chr05	NC_021164.1	5299767	TT	CC	CC	INTERGENIC		
SNP_22995B_5299771	Ca_Kabuli_Chr05	NC_021164.1	5299771	TT	CC	CC	INTERGENIC		
SNP_22996B_5299830	Ca_Kabuli_Chr05	NC_021164.1	5299830	AA	GG	GG	INTERGENIC		
SNP_22997B_5299870	Ca_Kabuli_Chr05	NC_021164.1	5299870	AA	CC	CC	INTERGENIC		
SNP_22998B_5299871	Ca_Kabuli_Chr05	NC_021164.1	5299871	TT	AA	AA	INTERGENIC		
SNP_22999B_5299883	Ca_Kabuli_Chr05	NC_021164.1	5299883	TT	CC	CC	INTERGENIC		
SNP_23000B_5299898	Ca_Kabuli_Chr05	NC_021164.1	5299898	TT	CC	CC	INTERGENIC		
SNP_23001B_5299936	Ca_Kabuli_Chr05	NC_021164.1	5299936	AA	GG	GG	INTERGENIC		
SNP_23002B_5300036	Ca_Kabuli_Chr05	NC_021164.1	5300036	TT	CC	CC	INTERGENIC		
SNP_23004B_5318972	Ca_Kabuli_Chr05	NC_021164.1	5318972	CC	GG	GG	INTERGENIC		
SNP_23005B_5363215	Ca_Kabuli_Chr05	NC_021164.1	5363215	TT	GG	GG	INTERGENIC		
SNP_23006B_5363260	Ca_Kabuli_Chr05	NC_021164.1	5363260	TT	GG	GG	INTERGENIC		
SNP_23007B_5363282	Ca_Kabuli_Chr05	NC_021164.1	5363282	TT	CC	CC	INTERGENIC		
SNP_23008B_5363286	Ca_Kabuli_Chr05	NC_021164.1	5363286	CC	GG	GG	INTERGENIC		
SNP_23009B_5363375	Ca_Kabuli_Chr05	NC_021164.1	5363375	AA	CC	CC	INTERGENIC		
SNP_23010B_5363524	Ca_Kabuli_Chr05	NC_021164.1	5363524	TT	GG	GG	INTERGENIC		
SNP_23011B_5363545	Ca_Kabuli_Chr05	NC_021164.1	5363545	AA	CC	CC	INTERGENIC		
SNP_23012B_5363665	Ca_Kabuli_Chr05	NC_021164.1	5363665	GG	AA	AA	INTERGENIC		
SNP_23013B_5366159	Ca_Kabuli_Chr05	NC_021164.1	5366159	CC	TT	TT	NON_SYNONYMOUS_CODING	101502244	Unknown function
SNP_23014B_5422053	Ca_Kabuli_Chr05	NC_021164.1	5422053	CC	TT	TT	DRR	101500112	uncharacterized LOC101500112

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_23015B_5458039	Ca_Kabuli_Chr05	NC_021164.1	5458039	GG	AA	AA	INTERGENIC		
SNP_23017B_5504068	Ca_Kabuli_Chr05	NC_021164.1	5504068	TT	CC	CC	INTERGENIC		
SNP_23018B_5534153	Ca_Kabuli_Chr05	NC_021164.1	5534153	AA	GG	GG	INTERGENIC		
SNP_23019B_5534354	Ca_Kabuli_Chr05	NC_021164.1	5534354	TT	GG	GG	INTERGENIC		
SNP_23020B_5586003	Ca_Kabuli_Chr05	NC_021164.1	5586003	TT	CC	CC	INTERGENIC		
SNP_23021B_5586104	Ca_Kabuli_Chr05	NC_021164.1	5586104	AA	GG	GG	INTERGENIC		
SNP_23022B_5586111	Ca_Kabuli_Chr05	NC_021164.1	5586111	CC	GG	GG	INTERGENIC		
SNP_23023B_5586245	Ca_Kabuli_Chr05	NC_021164.1	5586245	GG	TT	TT	INTERGENIC		
SNP_23024B_5586247	Ca_Kabuli_Chr05	NC_021164.1	5586247	TT	CC	CC	INTERGENIC		
SNP_23025B_5586251	Ca_Kabuli_Chr05	NC_021164.1	5586251	CC	TT	TT	INTERGENIC		
SNP_23026B_5590827	Ca_Kabuli_Chr05	NC_021164.1	5590827	TT	GG	GG	INTERGENIC		
SNP_23027B_5590860	Ca_Kabuli_Chr05	NC_021164.1	5590860	AA	GG	GG	INTERGENIC		
SNP_23028B_5591035	Ca_Kabuli_Chr05	NC_021164.1	5591035	TT	GG	GG	INTERGENIC		
SNP_23029B_5631208	Ca_Kabuli_Chr05	NC_021164.1	5631208	AA	GG	GG	URR	101501381	uncharacterized LOC101501381
SNP_23030B_5702989	Ca_Kabuli_Chr05	NC_021164.1	5702989	AA	GG	GG	INTERGENIC		
SNP_23032B_5735419	Ca_Kabuli_Chr05	NC_021164.1	5735419	AA	TT	TT	INTERGENIC		
SNP_23033B_5735426	Ca_Kabuli_Chr05	NC_021164.1	5735426	TT	CC	CC	INTERGENIC		
SNP_23034B_5769866	Ca_Kabuli_Chr05	NC_021164.1	5769866	TT	GG	GG	INTERGENIC		
SNP_23035B_5786947	Ca_Kabuli_Chr05	NC_021164.1	5786947	AA	GG	GG	INTERGENIC		
SNP_23036B_5787031	Ca_Kabuli_Chr05	NC_021164.1	5787031	CC	TT	TT	INTERGENIC		
SNP_23038B_5823553	Ca_Kabuli_Chr05	NC_021164.1	5823553	AA	TT	TT	INTERGENIC		
SNP_23039B_5825113	Ca_Kabuli_Chr05	NC_021164.1	5825113	GG	AA	AA	INTERGENIC		
SNP_23040B_5825142	Ca_Kabuli_Chr05	NC_021164.1	5825142	TT	GG	GG	INTERGENIC		
SNP_23041B_5825443	Ca_Kabuli_Chr05	NC_021164.1	5825443	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_23042B_5825469	Ca_Kabuli_Chr05	NC_021164.1	5825469	TT	GG	GG	INTERGENIC		
SNP_23043B_5825577	Ca_Kabuli_Chr05	NC_021164.1	5825577	GG	AA	AA	INTERGENIC		
SNP_23044B_5825774	Ca_Kabuli_Chr05	NC_021164.1	5825774	GG	TT	TT	INTERGENIC		
SNP_23045B_5825819	Ca_Kabuli_Chr05	NC_021164.1	5825819	AA	CC	CC	INTERGENIC		
SNP_23046B_5825906	Ca_Kabuli_Chr05	NC_021164.1	5825906	GG	AA	AA	INTERGENIC		
SNP_23047B_5825910	Ca_Kabuli_Chr05	NC_021164.1	5825910	AA	CC	CC	INTERGENIC		
SNP_23048B_5825997	Ca_Kabuli_Chr05	NC_021164.1	5825997	TT	AA	AA	INTERGENIC		
SNP_23049B_5826207	Ca_Kabuli_Chr05	NC_021164.1	5826207	AA	CC	CC	INTERGENIC		
SNP_23050B_5827337	Ca_Kabuli_Chr05	NC_021164.1	5827337	CC	TT	TT	INTERGENIC		
SNP_23051B_5827357	Ca_Kabuli_Chr05	NC_021164.1	5827357	TT	CC	CC	INTERGENIC		
SNP_23052B_5827402	Ca_Kabuli_Chr05	NC_021164.1	5827402	AA	TT	TT	INTERGENIC		
SNP_23053B_5827525	Ca_Kabuli_Chr05	NC_021164.1	5827525	CC	TT	TT	INTERGENIC		
SNP_23054B_5827550	Ca_Kabuli_Chr05	NC_021164.1	5827550	AA	CC	CC	INTERGENIC		
SNP_23055B_5827556	Ca_Kabuli_Chr05	NC_021164.1	5827556	AA	GG	GG	INTERGENIC		
SNP_23056B_5827585	Ca_Kabuli_Chr05	NC_021164.1	5827585	TT	GG	GG	INTERGENIC		
SNP_23057B_5827634	Ca_Kabuli_Chr05	NC_021164.1	5827634	CC	TT	TT	INTERGENIC		
SNP_23058B_5827823	Ca_Kabuli_Chr05	NC_021164.1	5827823	CC	TT	TT	INTERGENIC		
SNP_23059B_5827833	Ca_Kabuli_Chr05	NC_021164.1	5827833	GG	AA	AA	INTERGENIC		
SNP_23060B_5827835	Ca_Kabuli_Chr05	NC_021164.1	5827835	CC	TT	TT	INTERGENIC		
SNP_23061B_5827837	Ca_Kabuli_Chr05	NC_021164.1	5827837	AA	GG	GG	INTERGENIC		
SNP_23062B_5828199	Ca_Kabuli_Chr05	NC_021164.1	5828199	TT	AA	AA	INTERGENIC		
SNP_23063B_5831378	Ca_Kabuli_Chr05	NC_021164.1	5831378	TT	GG	GG	INTERGENIC		
SNP_23064B_5831442	Ca_Kabuli_Chr05	NC_021164.1	5831442	CC	GG	GG	INTERGENIC		
SNP_23065B_5831649	Ca_Kabuli_Chr05	NC_021164.1	5831649	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_23066B_5835354	Ca_Kabuli_Chr05	NC_021164.1	5835354	AA	TT	TT	INTERGENIC		
SNP_23067B_5835422	Ca_Kabuli_Chr05	NC_021164.1	5835422	TT	AA	AA	INTERGENIC		
SNP_23068B_5835428	Ca_Kabuli_Chr05	NC_021164.1	5835428	TT	AA	AA	INTERGENIC		
SNP_23069B_5835517	Ca_Kabuli_Chr05	NC_021164.1	5835517	AA	GG	GG	INTERGENIC		
SNP_23070B_5835725	Ca_Kabuli_Chr05	NC_021164.1	5835725	GG	TT	TT	INTERGENIC		
SNP_23071B_5836376	Ca_Kabuli_Chr05	NC_021164.1	5836376	CC	TT	TT	INTERGENIC		
SNP_23072B_5836473	Ca_Kabuli_Chr05	NC_021164.1	5836473	CC	TT	TT	INTERGENIC		
SNP_23073B_5836479	Ca_Kabuli_Chr05	NC_021164.1	5836479	CC	AA	AA	INTERGENIC		
SNP_23074B_5836528	Ca_Kabuli_Chr05	NC_021164.1	5836528	AA	CC	CC	INTERGENIC		
SNP_23075B_5836709	Ca_Kabuli_Chr05	NC_021164.1	5836709	CC	AA	AA	INTERGENIC		
SNP_23076B_5836718	Ca_Kabuli_Chr05	NC_021164.1	5836718	GG	AA	AA	INTERGENIC		
SNP_23077B_5836721	Ca_Kabuli_Chr05	NC_021164.1	5836721	GG	AA	AA	INTERGENIC		
SNP_23079B_5836913	Ca_Kabuli_Chr05	NC_021164.1	5836913	CC	GG	GG	INTERGENIC		
SNP_23080B_5836920	Ca_Kabuli_Chr05	NC_021164.1	5836920	TT	GG	GG	INTERGENIC		
SNP_23081B_5836955	Ca_Kabuli_Chr05	NC_021164.1	5836955	TT	GG	GG	INTERGENIC		
SNP_23082B_5836999	Ca_Kabuli_Chr05	NC_021164.1	5836999	TT	AA	AA	INTERGENIC		
SNP_23083B_5837024	Ca_Kabuli_Chr05	NC_021164.1	5837024	GG	AA	AA	INTERGENIC		
SNP_23085B_5837131	Ca_Kabuli_Chr05	NC_021164.1	5837131	TT	CC	CC	INTERGENIC		
SNP_23086B_5837271	Ca_Kabuli_Chr05	NC_021164.1	5837271	TT	CC	CC	INTERGENIC		
SNP_23087B_5837283	Ca_Kabuli_Chr05	NC_021164.1	5837283	AA	GG	GG	INTERGENIC		
SNP_23088B_5837327	Ca_Kabuli_Chr05	NC_021164.1	5837327	TT	AA	AA	INTERGENIC		
SNP_23089B_5837444	Ca_Kabuli_Chr05	NC_021164.1	5837444	CC	AA	AA	INTERGENIC		
SNP_23090B_5855011	Ca_Kabuli_Chr05	NC_021164.1	5855011	TT	GG	GG	INTERGENIC		
SNP_23091B_5855829	Ca_Kabuli_Chr05	NC_021164.1	5855829	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_23092B_5855840	Ca_Kabuli_Chr05	NC_021164.1	5855840	GG	AA	AA	INTERGENIC		
SNP_23093B_5857839	Ca_Kabuli_Chr05	NC_021164.1	5857839	TT	CC	CC	INTERGENIC		
SNP_23094B_5869851	Ca_Kabuli_Chr05	NC_021164.1	5869851	AA	GG	GG	INTERGENIC		
SNP_23095B_5870240	Ca_Kabuli_Chr05	NC_021164.1	5870240	GG	TT	TT	INTERGENIC		
SNP_23096B_5870259	Ca_Kabuli_Chr05	NC_021164.1	5870259	AA	GG	GG	INTERGENIC		
SNP_23097B_5870288	Ca_Kabuli_Chr05	NC_021164.1	5870288	GG	TT	TT	INTERGENIC		
SNP_23098B_5870303	Ca_Kabuli_Chr05	NC_021164.1	5870303	CC	AA	AA	INTERGENIC		
SNP_23101B_5969749	Ca_Kabuli_Chr05	NC_021164.1	5969749	TT	AA	AA	INTERGENIC		
SNP_23102B_5969770	Ca_Kabuli_Chr05	NC_021164.1	5969770	AA	TT	TT	INTERGENIC		
SNP_23103B_5969798	Ca_Kabuli_Chr05	NC_021164.1	5969798	TT	CC	CC	INTERGENIC		
SNP_23104B_5969870	Ca_Kabuli_Chr05	NC_021164.1	5969870	AA	CC	CC	INTERGENIC		
SNP_23105B_5969957	Ca_Kabuli_Chr05	NC_021164.1	5969957	AA	CC	CC	INTERGENIC		
SNP_23106B_5969974	Ca_Kabuli_Chr05	NC_021164.1	5969974	GG	TT	TT	INTERGENIC		
SNP_23107B_5969978	Ca_Kabuli_Chr05	NC_021164.1	5969978	GG	TT	TT	INTERGENIC		
SNP_23108B_5970030	Ca_Kabuli_Chr05	NC_021164.1	5970030	AA	GG	GG	INTERGENIC		
SNP_23109B_5970043	Ca_Kabuli_Chr05	NC_021164.1	5970043	AA	CC	CC	INTERGENIC		
SNP_23110B_5970132	Ca_Kabuli_Chr05	NC_021164.1	5970132	TT	CC	CC	INTERGENIC		
SNP_23111B_5970184	Ca_Kabuli_Chr05	NC_021164.1	5970184	CC	GG	GG	INTERGENIC		
SNP_23112B_5970238	Ca_Kabuli_Chr05	NC_021164.1	5970238	GG	AA	AA	INTERGENIC		
SNP_23113B_5970262	Ca_Kabuli_Chr05	NC_021164.1	5970262	CC	TT	TT	INTERGENIC		
SNP_23114B_5970267	Ca_Kabuli_Chr05	NC_021164.1	5970267	CC	AA	AA	INTERGENIC		
SNP_23115B_5970295	Ca_Kabuli_Chr05	NC_021164.1	5970295	TT	CC	CC	INTERGENIC		
SNP_23116B_5970396	Ca_Kabuli_Chr05	NC_021164.1	5970396	AA	CC	CC	INTERGENIC		
SNP_23117B_5970402	Ca_Kabuli_Chr05	NC_021164.1	5970402	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_23118B_5970526	Ca_Kabuli_Chr05	NC_021164.1	5970526	TT	CC	CC	INTERGENIC		
SNP_23119B_5975265	Ca_Kabuli_Chr05	NC_021164.1	5975265	AA	TT	TT	INTERGENIC		
SNP_23120B_5991485	Ca_Kabuli_Chr05	NC_021164.1	5991485	GG	AA	AA	INTERGENIC		
SNP_23121B_5991840	Ca_Kabuli_Chr05	NC_021164.1	5991840	CC	TT	TT	INTERGENIC		
SNP_23122B_5994806	Ca_Kabuli_Chr05	NC_021164.1	5994806	TT	AA	AA	INTERGENIC		
SNP_23123B_5994944	Ca_Kabuli_Chr05	NC_021164.1	5994944	AA	CC	CC	INTERGENIC		
SNP_23124B_6045846	Ca_Kabuli_Chr05	NC_021164.1	6045846	GG	TT	TT	INTERGENIC		
SNP_23125B_6045852	Ca_Kabuli_Chr05	NC_021164.1	6045852	AA	GG	GG	INTERGENIC		
SNP_23126B_6045875	Ca_Kabuli_Chr05	NC_021164.1	6045875	AA	GG	GG	INTERGENIC		
SNP_23127B_6045913	Ca_Kabuli_Chr05	NC_021164.1	6045913	AA	CC	CC	INTERGENIC		
SNP_23128B_6045918	Ca_Kabuli_Chr05	NC_021164.1	6045918	CC	AA	AA	INTERGENIC		
SNP_23129B_6045923	Ca_Kabuli_Chr05	NC_021164.1	6045923	TT	CC	CC	INTERGENIC		
SNP_23130B_6045944	Ca_Kabuli_Chr05	NC_021164.1	6045944	AA	GG	GG	INTERGENIC		
SNP_23131B_6124817	Ca_Kabuli_Chr05	NC_021164.1	6124817	TT	CC	CC	INTERGENIC		
SNP_23132B_6198275	Ca_Kabuli_Chr05	NC_021164.1	6198275	GG	AA	AA	INTERGENIC		
SNP_23133B_6199901	Ca_Kabuli_Chr05	NC_021164.1	6199901	TT	CC	CC	INTERGENIC		
SNP_23134B_6199908	Ca_Kabuli_Chr05	NC_021164.1	6199908	TT	CC	CC	INTERGENIC		
SNP_23136B_6200128	Ca_Kabuli_Chr05	NC_021164.1	6200128	CC	TT	TT	INTERGENIC		
SNP_23137B_6200225	Ca_Kabuli_Chr05	NC_021164.1	6200225	CC	TT	TT	INTERGENIC		
SNP_23138B_6200347	Ca_Kabuli_Chr05	NC_021164.1	6200347	GG	TT	TT	INTERGENIC		
SNP_23139B_6200375	Ca_Kabuli_Chr05	NC_021164.1	6200375	TT	GG	GG	INTERGENIC		
SNP_23140B_6200468	Ca_Kabuli_Chr05	NC_021164.1	6200468	AA	GG	GG	INTERGENIC		
SNP_23141B_6200526	Ca_Kabuli_Chr05	NC_021164.1	6200526	TT	AA	AA	INTERGENIC		
SNP_23142B_6263252	Ca_Kabuli_Chr05	NC_021164.1	6263252	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_23143B_6263471	Ca_Kabuli_Chr05	NC_021164.1	6263471	TT	CC	CC	INTERGENIC		
SNP_23144B_6263884	Ca_Kabuli_Chr05	NC_021164.1	6263884	AA	GG	GG	INTERGENIC		
SNP_23146B_6310463	Ca_Kabuli_Chr05	NC_021164.1	6310463	TT	GG	GG	INTRON	101505448	formin-like protein 20
SNP_23147B_6310483	Ca_Kabuli_Chr05	NC_021164.1	6310483	GG	CC	CC	INTRON	101505448	formin-like protein 20
SNP_23148B_6310498	Ca_Kabuli_Chr05	NC_021164.1	6310498	AA	GG	GG	INTRON	101505448	formin-like protein 20
SNP_23149B_6310538	Ca_Kabuli_Chr05	NC_021164.1	6310538	AA	GG	GG	INTRON	101505448	formin-like protein 20
SNP_23150B_6310740	Ca_Kabuli_Chr05	NC_021164.1	6310740	AA	CC	CC	INTRON	101505448	formin-like protein 20
SNP_23151B_6310934	Ca_Kabuli_Chr05	NC_021164.1	6310934	GG	AA	AA	INTRON	101505448	formin-like protein 20
SNP_23152B_6311053	Ca_Kabuli_Chr05	NC_021164.1	6311053	GG	AA	AA	INTRON	101505448	formin-like protein 20
SNP_23153B_6369197	Ca_Kabuli_Chr05	NC_021164.1	6369197	TT	AA	AA	INTERGENIC		
SNP_23154B_6369404	Ca_Kabuli_Chr05	NC_021164.1	6369404	GG	AA	AA	INTERGENIC		
SNP_23155B_6369424	Ca_Kabuli_Chr05	NC_021164.1	6369424	TT	GG	GG	INTERGENIC		
SNP_23156B_6369431	Ca_Kabuli_Chr05	NC_021164.1	6369431	TT	CC	CC	INTERGENIC		
SNP_23157B_6369432	Ca_Kabuli_Chr05	NC_021164.1	6369432	GG	AA	AA	INTERGENIC		
SNP_23158B_6369543	Ca_Kabuli_Chr05	NC_021164.1	6369543	AA	CC	CC	INTERGENIC		
SNP_23160B_6369679	Ca_Kabuli_Chr05	NC_021164.1	6369679	CC	TT	TT	INTERGENIC		
SNP_23161B_6369731	Ca_Kabuli_Chr05	NC_021164.1	6369731	GG	AA	AA	INTERGENIC		
SNP_23162B_6369742	Ca_Kabuli_Chr05	NC_021164.1	6369742	GG	TT	TT	INTERGENIC		
SNP_23163B_6369878	Ca_Kabuli_Chr05	NC_021164.1	6369878	CC	AA	AA	INTERGENIC		
SNP_23164B_6416355	Ca_Kabuli_Chr05	NC_021164.1	6416355	AA	CC	CC	INTERGENIC		
SNP_23165B_6416673	Ca_Kabuli_Chr05	NC_021164.1	6416673	AA	GG	GG	INTERGENIC		
SNP_23166B_6416698	Ca_Kabuli_Chr05	NC_021164.1	6416698	TT	CC	CC	INTERGENIC		
SNP_23167B_6421051	Ca_Kabuli_Chr05	NC_021164.1	6421051	TT	CC	CC	INTERGENIC		
SNP_23168B_6421484	Ca_Kabuli_Chr05	NC_021164.1	6421484	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_23169B_6421534	Ca_Kabuli_Chr05	NC_021164.1	6421534	TT	CC	CC	INTERGENIC		
SNP_23170B_6421573	Ca_Kabuli_Chr05	NC_021164.1	6421573	GG	AA	AA	INTERGENIC		
SNP_23171B_6421867	Ca_Kabuli_Chr05	NC_021164.1	6421867	TT	GG	GG	INTERGENIC		
SNP_23172B_6474806	Ca_Kabuli_Chr05	NC_021164.1	6474806	TT	GG	GG	INTERGENIC		
SNP_23173B_6474808	Ca_Kabuli_Chr05	NC_021164.1	6474808	TT	CC	CC	INTERGENIC		
SNP_23175B_6494037	Ca_Kabuli_Chr05	NC_021164.1	6494037	TT	CC	CC	INTERGENIC		
SNP_23176B_6494040	Ca_Kabuli_Chr05	NC_021164.1	6494040	GG	TT	TT	INTERGENIC		
SNP_23177B_6494063	Ca_Kabuli_Chr05	NC_021164.1	6494063	AA	GG	GG	INTERGENIC		
SNP_23178B_6494099	Ca_Kabuli_Chr05	NC_021164.1	6494099	GG	AA	AA	INTERGENIC		
SNP_23179B_6494111	Ca_Kabuli_Chr05	NC_021164.1	6494111	TT	CC	CC	INTERGENIC		
SNP_23180B_6494123	Ca_Kabuli_Chr05	NC_021164.1	6494123	AA	GG	GG	INTERGENIC		
SNP_23181B_6494150	Ca_Kabuli_Chr05	NC_021164.1	6494150	CC	TT	TT	INTERGENIC		
SNP_23182B_6494152	Ca_Kabuli_Chr05	NC_021164.1	6494152	TT	CC	CC	INTERGENIC		
SNP_23183B_6494156	Ca_Kabuli_Chr05	NC_021164.1	6494156	TT	GG	GG	INTERGENIC		
SNP_23184B_6494159	Ca_Kabuli_Chr05	NC_021164.1	6494159	TT	CC	CC	INTERGENIC		
SNP_23185B_6494162	Ca_Kabuli_Chr05	NC_021164.1	6494162	TT	CC	CC	INTERGENIC		
SNP_23186B_6494189	Ca_Kabuli_Chr05	NC_021164.1	6494189	TT	CC	CC	INTERGENIC		
SNP_23187B_6494257	Ca_Kabuli_Chr05	NC_021164.1	6494257	GG	AA	AA	INTERGENIC		
SNP_23188B_6494494	Ca_Kabuli_Chr05	NC_021164.1	6494494	TT	CC	CC	INTERGENIC		
SNP_23189B_6494548	Ca_Kabuli_Chr05	NC_021164.1	6494548	TT	GG	GG	INTERGENIC		
SNP_23190B_6494566	Ca_Kabuli_Chr05	NC_021164.1	6494566	GG	AA	AA	INTERGENIC		
SNP_23192B_6530924	Ca_Kabuli_Chr05	NC_021164.1	6530924	TT	AA	AA	INTERGENIC		
SNP_23193B_6532183	Ca_Kabuli_Chr05	NC_021164.1	6532183	GG	AA	AA	INTERGENIC		
SNP_23195B_6535218	Ca_Kabuli_Chr05	NC_021164.1	6535218	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_23196B_6535226	Ca_Kabuli_Chr05	NC_021164.1	6535226	CC	TT	TT	INTERGENIC		
SNP_23197B_6535261	Ca_Kabuli_Chr05	NC_021164.1	6535261	TT	CC	CC	INTERGENIC		
SNP_23198B_6535322	Ca_Kabuli_Chr05	NC_021164.1	6535322	AA	GG	GG	INTERGENIC		
SNP_23199B_6535340	Ca_Kabuli_Chr05	NC_021164.1	6535340	AA	TT	TT	INTERGENIC		
SNP_23200B_6535353	Ca_Kabuli_Chr05	NC_021164.1	6535353	AA	GG	GG	INTERGENIC		
SNP_23201B_6535363	Ca_Kabuli_Chr05	NC_021164.1	6535363	TT	AA	AA	INTERGENIC		
SNP_23202B_6535385	Ca_Kabuli_Chr05	NC_021164.1	6535385	AA	CC	CC	INTERGENIC		
SNP_23203B_6535391	Ca_Kabuli_Chr05	NC_021164.1	6535391	AA	GG	GG	INTERGENIC		
SNP_23204B_6535439	Ca_Kabuli_Chr05	NC_021164.1	6535439	CC	TT	TT	INTERGENIC		
SNP_23205B_6535535	Ca_Kabuli_Chr05	NC_021164.1	6535535	AA	GG	GG	INTERGENIC		
SNP_23206B_6535594	Ca_Kabuli_Chr05	NC_021164.1	6535594	TT	CC	CC	INTERGENIC		
SNP_23207B_6535747	Ca_Kabuli_Chr05	NC_021164.1	6535747	AA	CC	CC	INTERGENIC		
SNP_23208B_6535765	Ca_Kabuli_Chr05	NC_021164.1	6535765	AA	TT	TT	INTERGENIC		
SNP_23209B_6535780	Ca_Kabuli_Chr05	NC_021164.1	6535780	TT	AA	AA	INTERGENIC		
SNP_23210B_6535801	Ca_Kabuli_Chr05	NC_021164.1	6535801	AA	TT	TT	INTERGENIC		
SNP_23211B_6535835	Ca_Kabuli_Chr05	NC_021164.1	6535835	TT	CC	CC	INTERGENIC		
SNP_23212B_6535837	Ca_Kabuli_Chr05	NC_021164.1	6535837	AA	GG	GG	INTERGENIC		
SNP_23213B_6535843	Ca_Kabuli_Chr05	NC_021164.1	6535843	AA	GG	GG	INTERGENIC		
SNP_23214B_6535868	Ca_Kabuli_Chr05	NC_021164.1	6535868	CC	AA	AA	INTERGENIC		
SNP_23215B_6535888	Ca_Kabuli_Chr05	NC_021164.1	6535888	TT	CC	CC	INTERGENIC		
SNP_23216B_6535919	Ca_Kabuli_Chr05	NC_021164.1	6535919	AA	GG	GG	INTERGENIC		
SNP_23217B_6535932	Ca_Kabuli_Chr05	NC_021164.1	6535932	AA	GG	GG	INTERGENIC		
SNP_23218B_6535935	Ca_Kabuli_Chr05	NC_021164.1	6535935	TT	CC	CC	INTERGENIC		
SNP_23219B_6536202	Ca_Kabuli_Chr05	NC_021164.1	6536202	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_23220B_6536207	Ca_Kabuli_Chr05	NC_021164.1	6536207	AA	CC	CC	INTERGENIC		
SNP_23221B_6536258	Ca_Kabuli_Chr05	NC_021164.1	6536258	CC	AA	AA	INTERGENIC		
SNP_23222B_6536265	Ca_Kabuli_Chr05	NC_021164.1	6536265	AA	GG	GG	INTERGENIC		
SNP_23223B_6536303	Ca_Kabuli_Chr05	NC_021164.1	6536303	AA	CC	CC	INTERGENIC		
SNP_23224B_6536372	Ca_Kabuli_Chr05	NC_021164.1	6536372	GG	AA	AA	INTERGENIC		
SNP_23225B_6536595	Ca_Kabuli_Chr05	NC_021164.1	6536595	AA	TT	TT	INTERGENIC		
SNP_23226B_6536597	Ca_Kabuli_Chr05	NC_021164.1	6536597	CC	TT	TT	INTERGENIC		
SNP_23227B_6536750	Ca_Kabuli_Chr05	NC_021164.1	6536750	GG	AA	AA	INTERGENIC		
SNP_23228B_6536761	Ca_Kabuli_Chr05	NC_021164.1	6536761	CC	AA	AA	INTERGENIC		
SNP_23229B_6589954	Ca_Kabuli_Chr05	NC_021164.1	6589954	GG	AA	AA	INTERGENIC		
SNP_23230B_6590144	Ca_Kabuli_Chr05	NC_021164.1	6590144	CC	AA	AA	INTERGENIC		
SNP_23231B_6590167	Ca_Kabuli_Chr05	NC_021164.1	6590167	GG	AA	AA	INTERGENIC		
SNP_23232B_6590220	Ca_Kabuli_Chr05	NC_021164.1	6590220	AA	GG	GG	INTERGENIC		
SNP_23233B_6590284	Ca_Kabuli_Chr05	NC_021164.1	6590284	GG	CC	CC	INTERGENIC		
SNP_23234B_6590329	Ca_Kabuli_Chr05	NC_021164.1	6590329	CC	AA	AA	INTERGENIC		
SNP_23235B_6590415	Ca_Kabuli_Chr05	NC_021164.1	6590415	CC	AA	AA	INTERGENIC		
SNP_23236B_6590548	Ca_Kabuli_Chr05	NC_021164.1	6590548	GG	CC	CC	INTERGENIC		
SNP_23237B_6590755	Ca_Kabuli_Chr05	NC_021164.1	6590755	TT	AA	AA	INTERGENIC		
SNP_23238B_6591493	Ca_Kabuli_Chr05	NC_021164.1	6591493	TT	CC	CC	INTERGENIC		
SNP_23239B_6591590	Ca_Kabuli_Chr05	NC_021164.1	6591590	TT	GG	GG	INTERGENIC		
SNP_23240B_6607971	Ca_Kabuli_Chr05	NC_021164.1	6607971	AA	CC	CC	INTERGENIC		
SNP_23241B_6609715	Ca_Kabuli_Chr05	NC_021164.1	6609715	CC	GG	GG	INTERGENIC		
SNP_23242B_6609993	Ca_Kabuli_Chr05	NC_021164.1	6609993	TT	CC	CC	INTERGENIC		
SNP_23243B_6610002	Ca_Kabuli_Chr05	NC_021164.1	6610002	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_23244B_6622833	Ca_Kabuli_Chr05	NC_021164.1	6622833	AA	CC	CC	INTERGENIC		
SNP_23245B_6646569	Ca_Kabuli_Chr05	NC_021164.1	6646569	CC	GG	GG	INTERGENIC		
SNP_23246B_6646910	Ca_Kabuli_Chr05	NC_021164.1	6646910	AA	TT	TT	INTERGENIC		
SNP_23247B_6646921	Ca_Kabuli_Chr05	NC_021164.1	6646921	GG	TT	TT	INTERGENIC		
SNP_23248B_6647311	Ca_Kabuli_Chr05	NC_021164.1	6647311	TT	GG	GG	INTERGENIC		
SNP_23249B_6647492	Ca_Kabuli_Chr05	NC_021164.1	6647492	CC	GG	GG	INTERGENIC		
SNP_23250B_6647799	Ca_Kabuli_Chr05	NC_021164.1	6647799	AA	CC	CC	INTERGENIC		
SNP_23251B_6647844	Ca_Kabuli_Chr05	NC_021164.1	6647844	CC	TT	TT	INTERGENIC		
SNP_23252B_6647860	Ca_Kabuli_Chr05	NC_021164.1	6647860	AA	TT	TT	INTERGENIC		
SNP_23253B_6647861	Ca_Kabuli_Chr05	NC_021164.1	6647861	CC	TT	TT	INTERGENIC		
SNP_23255B_6674895	Ca_Kabuli_Chr05	NC_021164.1	6674895	GG	AA	AA	INTERGENIC		
SNP_23256B_6675300	Ca_Kabuli_Chr05	NC_021164.1	6675300	CC	GG	GG	INTERGENIC		
SNP_23257B_6715042	Ca_Kabuli_Chr05	NC_021164.1	6715042	AA	CC	CC	INTERGENIC		
SNP_23258B_6723702	Ca_Kabuli_Chr05	NC_021164.1	6723702	GG	TT	TT	INTERGENIC		
SNP_23259B_6723706	Ca_Kabuli_Chr05	NC_021164.1	6723706	TT	CC	CC	INTERGENIC		
SNP_23260B_6723707	Ca_Kabuli_Chr05	NC_021164.1	6723707	TT	AA	AA	INTERGENIC		
SNP_23261B_6739607	Ca_Kabuli_Chr05	NC_021164.1	6739607	GG	AA	AA	INTERGENIC		
SNP_23262B_6739681	Ca_Kabuli_Chr05	NC_021164.1	6739681	TT	CC	CC	INTERGENIC		
SNP_23263B_6739719	Ca_Kabuli_Chr05	NC_021164.1	6739719	CC	TT	TT	INTERGENIC		
SNP_23264B_6739736	Ca_Kabuli_Chr05	NC_021164.1	6739736	CC	TT	TT	INTERGENIC		
SNP_23265B_6739921	Ca_Kabuli_Chr05	NC_021164.1	6739921	TT	CC	CC	INTERGENIC		
SNP_23266B_6740034	Ca_Kabuli_Chr05	NC_021164.1	6740034	AA	GG	GG	INTERGENIC		
SNP_23267B_6740080	Ca_Kabuli_Chr05	NC_021164.1	6740080	CC	TT	TT	INTERGENIC		
SNP_23268B_6740120	Ca_Kabuli_Chr05	NC_021164.1	6740120	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_23269B_6740122	Ca_Kabuli_Chr05	NC_021164.1	6740122	TT	GG	GG	INTERGENIC		
SNP_23270B_6753920	Ca_Kabuli_Chr05	NC_021164.1	6753920	TT	CC	CC	INTERGENIC		
SNP_23271B_6753953	Ca_Kabuli_Chr05	NC_021164.1	6753953	CC	GG	GG	INTERGENIC		
SNP_23272B_6753973	Ca_Kabuli_Chr05	NC_021164.1	6753973	CC	TT	TT	INTERGENIC		
SNP_23273B_6761059	Ca_Kabuli_Chr05	NC_021164.1	6761059	CC	AA	AA	INTERGENIC		
SNP_23274B_6761099	Ca_Kabuli_Chr05	NC_021164.1	6761099	TT	CC	CC	INTERGENIC		
SNP_23277B_6764239	Ca_Kabuli_Chr05	NC_021164.1	6764239	CC	TT	TT	INTERGENIC		
SNP_23278B_6764258	Ca_Kabuli_Chr05	NC_021164.1	6764258	TT	AA	AA	INTERGENIC		
SNP_23280B_6769194	Ca_Kabuli_Chr05	NC_021164.1	6769194	TT	CC	CC	INTERGENIC		
SNP_23281B_6771981	Ca_Kabuli_Chr05	NC_021164.1	6771981	TT	CC	CC	INTERGENIC		
SNP_23282B_6772186	Ca_Kabuli_Chr05	NC_021164.1	6772186	AA	TT	TT	INTERGENIC		
SNP_23283B_6772228	Ca_Kabuli_Chr05	NC_021164.1	6772228	TT	GG	GG	INTERGENIC		
SNP_23284B_6772253	Ca_Kabuli_Chr05	NC_021164.1	6772253	AA	TT	TT	INTERGENIC		
SNP_23285B_6772313	Ca_Kabuli_Chr05	NC_021164.1	6772313	TT	CC	CC	INTERGENIC		
SNP_23286B_6772366	Ca_Kabuli_Chr05	NC_021164.1	6772366	CC	TT	TT	INTERGENIC		
SNP_23287B_6772374	Ca_Kabuli_Chr05	NC_021164.1	6772374	TT	CC	CC	INTERGENIC		
SNP_23289B_6772502	Ca_Kabuli_Chr05	NC_021164.1	6772502	AA	CC	CC	INTERGENIC		
SNP_23290B_6772506	Ca_Kabuli_Chr05	NC_021164.1	6772506	CC	GG	GG	INTERGENIC		
SNP_23291B_6772577	Ca_Kabuli_Chr05	NC_021164.1	6772577	CC	GG	GG	INTERGENIC		
SNP_23292B_6772781	Ca_Kabuli_Chr05	NC_021164.1	6772781	TT	CC	CC	INTERGENIC		
SNP_23293B_6772856	Ca_Kabuli_Chr05	NC_021164.1	6772856	GG	AA	AA	INTERGENIC		
SNP_23294B_6772898	Ca_Kabuli_Chr05	NC_021164.1	6772898	CC	TT	TT	INTERGENIC		
SNP_23295B_6772974	Ca_Kabuli_Chr05	NC_021164.1	6772974	GG	AA	AA	INTERGENIC		
SNP_23296B_6772983	Ca_Kabuli_Chr05	NC_021164.1	6772983	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_23297B_6773134	Ca_Kabuli_Chr05	NC_021164.1	6773134	AA	GG	GG	INTERGENIC		
SNP_23298B_6773245	Ca_Kabuli_Chr05	NC_021164.1	6773245	GG	TT	TT	INTERGENIC		
SNP_23299B_6773348	Ca_Kabuli_Chr05	NC_021164.1	6773348	TT	AA	AA	INTERGENIC		
SNP_23300B_6773487	Ca_Kabuli_Chr05	NC_021164.1	6773487	AA	GG	GG	INTERGENIC		
SNP_23301B_6773602	Ca_Kabuli_Chr05	NC_021164.1	6773602	AA	GG	GG	INTERGENIC		
SNP_23302B_6773783	Ca_Kabuli_Chr05	NC_021164.1	6773783	TT	GG	GG	INTERGENIC		
SNP_23303B_6830206	Ca_Kabuli_Chr05	NC_021164.1	6830206	CC	GG	GG	INTERGENIC		
SNP_23304B_6830293	Ca_Kabuli_Chr05	NC_021164.1	6830293	TT	GG	GG	INTERGENIC		
SNP_23305B_6830429	Ca_Kabuli_Chr05	NC_021164.1	6830429	TT	GG	GG	INTERGENIC		
SNP_23306B_6830446	Ca_Kabuli_Chr05	NC_021164.1	6830446	CC	TT	TT	INTERGENIC		
SNP_23307B_6830539	Ca_Kabuli_Chr05	NC_021164.1	6830539	GG	AA	AA	INTERGENIC		
SNP_23308B_6830578	Ca_Kabuli_Chr05	NC_021164.1	6830578	CC	TT	TT	INTERGENIC		
SNP_23309B_6830589	Ca_Kabuli_Chr05	NC_021164.1	6830589	CC	TT	TT	INTERGENIC		
SNP_23310B_6830797	Ca_Kabuli_Chr05	NC_021164.1	6830797	AA	GG	GG	INTERGENIC		
SNP_23311B_6830875	Ca_Kabuli_Chr05	NC_021164.1	6830875	TT	GG	GG	INTERGENIC		
SNP_23312B_6830893	Ca_Kabuli_Chr05	NC_021164.1	6830893	AA	GG	GG	INTERGENIC		
SNP_23313B_6830920	Ca_Kabuli_Chr05	NC_021164.1	6830920	AA	GG	GG	INTERGENIC		
SNP_23314B_6830930	Ca_Kabuli_Chr05	NC_021164.1	6830930	CC	AA	AA	INTERGENIC		
SNP_23315B_6830933	Ca_Kabuli_Chr05	NC_021164.1	6830933	CC	TT	TT	INTERGENIC		
SNP_23316B_6830948	Ca_Kabuli_Chr05	NC_021164.1	6830948	AA	GG	GG	INTERGENIC		
SNP_23318B_6831456	Ca_Kabuli_Chr05	NC_021164.1	6831456	AA	GG	GG	INTERGENIC		
SNP_23319B_6831507	Ca_Kabuli_Chr05	NC_021164.1	6831507	GG	AA	AA	INTERGENIC		
SNP_23320B_6831715	Ca_Kabuli_Chr05	NC_021164.1	6831715	AA	GG	GG	INTERGENIC		
SNP_23321B_6832854	Ca_Kabuli_Chr05	NC_021164.1	6832854	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_23322B_6832855	Ca_Kabuli_Chr05	NC_021164.1	6832855	CC	TT	TT	INTERGENIC		
SNP_23323B_6832958	Ca_Kabuli_Chr05	NC_021164.1	6832958	GG	AA	AA	INTERGENIC		
SNP_23324B_6832968	Ca_Kabuli_Chr05	NC_021164.1	6832968	TT	AA	AA	INTERGENIC		
SNP_23325B_6833658	Ca_Kabuli_Chr05	NC_021164.1	6833658	TT	AA	AA	INTERGENIC		
SNP_23327B_6833713	Ca_Kabuli_Chr05	NC_021164.1	6833713	GG	CC	CC	INTERGENIC		
SNP_23328B_6833769	Ca_Kabuli_Chr05	NC_021164.1	6833769	CC	TT	TT	INTERGENIC		
SNP_23330B_6833877	Ca_Kabuli_Chr05	NC_021164.1	6833877	GG	AA	AA	INTERGENIC		
SNP_23333B_6834233	Ca_Kabuli_Chr05	NC_021164.1	6834233	TT	CC	CC	INTERGENIC		
SNP_23335B_6834319	Ca_Kabuli_Chr05	NC_021164.1	6834319	AA	TT	TT	INTERGENIC		
SNP_23336B_6834393	Ca_Kabuli_Chr05	NC_021164.1	6834393	TT	GG	GG	INTERGENIC		
SNP_23337B_6834482	Ca_Kabuli_Chr05	NC_021164.1	6834482	AA	TT	TT	INTERGENIC		
SNP_23338B_6834492	Ca_Kabuli_Chr05	NC_021164.1	6834492	TT	CC	CC	INTERGENIC		
SNP_23339B_6834577	Ca_Kabuli_Chr05	NC_021164.1	6834577	GG	AA	AA	INTERGENIC		
SNP_23340B_6834614	Ca_Kabuli_Chr05	NC_021164.1	6834614	CC	TT	TT	INTERGENIC		
SNP_23341B_6834624	Ca_Kabuli_Chr05	NC_021164.1	6834624	GG	TT	TT	INTERGENIC		
SNP_23342B_6834675	Ca_Kabuli_Chr05	NC_021164.1	6834675	AA	CC	CC	INTERGENIC		
SNP_23343B_6834690	Ca_Kabuli_Chr05	NC_021164.1	6834690	TT	CC	CC	INTERGENIC		
SNP_23344B_6834698	Ca_Kabuli_Chr05	NC_021164.1	6834698	AA	CC	CC	INTERGENIC		
SNP_23346B_6834723	Ca_Kabuli_Chr05	NC_021164.1	6834723	TT	GG	GG	INTERGENIC		
SNP_23347B_6834755	Ca_Kabuli_Chr05	NC_021164.1	6834755	AA	TT	TT	INTERGENIC		
SNP_23348B_6834775	Ca_Kabuli_Chr05	NC_021164.1	6834775	TT	AA	AA	INTERGENIC		
SNP_23349B_6834835	Ca_Kabuli_Chr05	NC_021164.1	6834835	TT	AA	AA	INTERGENIC		
SNP_23350B_6834887	Ca_Kabuli_Chr05	NC_021164.1	6834887	CC	TT	TT	INTERGENIC		
SNP_23351B_6834888	Ca_Kabuli_Chr05	NC_021164.1	6834888	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_23353B_6835547	Ca_Kabuli_Chr05	NC_021164.1	6835547	CC	AA	AA	INTERGENIC		
SNP_23354B_6835690	Ca_Kabuli_Chr05	NC_021164.1	6835690	TT	AA	AA	INTERGENIC		
SNP_23355B_6835695	Ca_Kabuli_Chr05	NC_021164.1	6835695	TT	GG	GG	INTERGENIC		
SNP_23356B_6835750	Ca_Kabuli_Chr05	NC_021164.1	6835750	GG	AA	AA	INTERGENIC		
SNP_23357B_6835751	Ca_Kabuli_Chr05	NC_021164.1	6835751	TT	CC	CC	INTERGENIC		
SNP_23358B_6835784	Ca_Kabuli_Chr05	NC_021164.1	6835784	GG	AA	AA	INTERGENIC		
SNP_23359B_6835863	Ca_Kabuli_Chr05	NC_021164.1	6835863	TT	CC	CC	INTERGENIC		
SNP_23360B_6835878	Ca_Kabuli_Chr05	NC_021164.1	6835878	CC	TT	TT	INTERGENIC		
SNP_23361B_6836020	Ca_Kabuli_Chr05	NC_021164.1	6836020	CC	TT	TT	INTERGENIC		
SNP_23362B_6836141	Ca_Kabuli_Chr05	NC_021164.1	6836141	AA	GG	GG	INTERGENIC		
SNP_23363B_6836160	Ca_Kabuli_Chr05	NC_021164.1	6836160	TT	CC	CC	INTERGENIC		
SNP_23364B_6836214	Ca_Kabuli_Chr05	NC_021164.1	6836214	CC	GG	GG	INTERGENIC		
SNP_23365B_6836450	Ca_Kabuli_Chr05	NC_021164.1	6836450	CC	GG	GG	INTERGENIC		
SNP_23366B_6836513	Ca_Kabuli_Chr05	NC_021164.1	6836513	CC	TT	TT	INTERGENIC		
SNP_23367B_6836567	Ca_Kabuli_Chr05	NC_021164.1	6836567	CC	TT	TT	INTERGENIC		
SNP_23368B_6836571	Ca_Kabuli_Chr05	NC_021164.1	6836571	AA	CC	CC	INTERGENIC		
SNP_23369B_6836615	Ca_Kabuli_Chr05	NC_021164.1	6836615	AA	GG	GG	INTERGENIC		
SNP_23370B_6837180	Ca_Kabuli_Chr05	NC_021164.1	6837180	TT	CC	CC	INTERGENIC		
SNP_23371B_6837235	Ca_Kabuli_Chr05	NC_021164.1	6837235	GG	AA	AA	INTERGENIC		
SNP_23372B_6837352	Ca_Kabuli_Chr05	NC_021164.1	6837352	AA	CC	CC	INTERGENIC		
SNP_23373B_6837415	Ca_Kabuli_Chr05	NC_021164.1	6837415	AA	TT	TT	INTERGENIC		
SNP_23374B_6837425	Ca_Kabuli_Chr05	NC_021164.1	6837425	AA	GG	GG	INTERGENIC		
SNP_23375B_6837905	Ca_Kabuli_Chr05	NC_021164.1	6837905	GG	AA	AA	INTERGENIC		
SNP_23376B_6837956	Ca_Kabuli_Chr05	NC_021164.1	6837956	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_23378B_6838027	Ca_Kabuli_Chr05	NC_021164.1	6838027	AA	GG	GG	INTERGENIC		
SNP_23379B_6849305	Ca_Kabuli_Chr05	NC_021164.1	6849305	CC	TT	TT	INTERGENIC		
SNP_23380B_6872417	Ca_Kabuli_Chr05	NC_021164.1	6872417	GG	AA	AA	DRR	101490061	uncharacterized LOC101490061
SNP_23381B_6872508	Ca_Kabuli_Chr05	NC_021164.1	6872508	CC	TT	TT	DRR	101490061	uncharacterized LOC101490061
SNP_23383B_6875422	Ca_Kabuli_Chr05	NC_021164.1	6875422	GG	TT	TT	URR	101490061	uncharacterized LOC101490061
SNP_23384B_6875426	Ca_Kabuli_Chr05	NC_021164.1	6875426	AA	GG	GG	URR	101490061	uncharacterized LOC101490061
SNP_23385B_6897083	Ca_Kabuli_Chr05	NC_021164.1	6897083	TT	GG	GG	INTERGENIC		
SNP_23386B_6897825	Ca_Kabuli_Chr05	NC_021164.1	6897825	TT	GG	GG	INTERGENIC		
SNP_23387B_6897939	Ca_Kabuli_Chr05	NC_021164.1	6897939	AA	TT	TT	INTERGENIC		
SNP_23388B_6897958	Ca_Kabuli_Chr05	NC_021164.1	6897958	GG	AA	AA	INTERGENIC		
SNP_23389B_6901712	Ca_Kabuli_Chr05	NC_021164.1	6901712	CC	TT	TT	INTERGENIC		
SNP_23390B_6906629	Ca_Kabuli_Chr05	NC_021164.1	6906629	CC	TT	TT	INTRON	101490721	uncharacterized LOC101490721
SNP_23391B_6906636	Ca_Kabuli_Chr05	NC_021164.1	6906636	AA	GG	GG	INTRON	101490721	uncharacterized LOC101490721
SNP_23392B_6906774	Ca_Kabuli_Chr05	NC_021164.1	6906774	GG	CC	CC	INTRON	101490721	uncharacterized LOC101490721
SNP_23393B_6906811	Ca_Kabuli_Chr05	NC_021164.1	6906811	AA	TT	TT	INTRON	101490721	uncharacterized LOC101490721
SNP_23394B_6906930	Ca_Kabuli_Chr05	NC_021164.1	6906930	GG	TT	TT	INTRON	101490721	uncharacterized LOC101490721
SNP_23395B_6907067	Ca_Kabuli_Chr05	NC_021164.1	6907067	CC	GG	GG	INTRON	101490721	uncharacterized LOC101490721
SNP_23396B_6907236	Ca_Kabuli_Chr05	NC_021164.1	6907236	GG	AA	AA	INTRON	101490721	uncharacterized LOC101490721
SNP_23397B_6907237	Ca_Kabuli_Chr05	NC_021164.1	6907237	TT	AA	AA	INTRON	101490721	uncharacterized LOC101490721
SNP_23398B_6907238	Ca_Kabuli_Chr05	NC_021164.1	6907238	TT	AA	AA	INTRON	101490721	uncharacterized LOC101490721
SNP_23399B_6907329	Ca_Kabuli_Chr05	NC_021164.1	6907329	TT	CC	CC	INTRON	101490721	uncharacterized LOC101490721
SNP_23400B_6907335	Ca_Kabuli_Chr05	NC_021164.1	6907335	AA	GG	GG	INTRON	101490721	uncharacterized LOC101490721
SNP_23401B_6907399	Ca_Kabuli_Chr05	NC_021164.1	6907399	GG	TT	TT	INTRON	101490721	uncharacterized LOC101490721
SNP_23402B_6907407	Ca_Kabuli_Chr05	NC_021164.1	6907407	AA	CC	CC	INTRON	101490721	uncharacterized LOC101490721

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SNP_23403B_6907409	Ca_Kabuli_Chr05	NC_021164.1	6907409	AA	GG	GG	INTRON	101490721	uncharacterized LOC101490721
SNP_23404B_6907474	Ca_Kabuli_Chr05	NC_021164.1	6907474	TT	CC	CC	INTRON	101490721	uncharacterized LOC101490721
SNP_23405B_6907524	Ca_Kabuli_Chr05	NC_021164.1	6907524	GG	AA	AA	INTRON	101490721	uncharacterized LOC101490721
SNP_23406B_6907546	Ca_Kabuli_Chr05	NC_021164.1	6907546	AA	GG	GG	INTRON	101490721	uncharacterized LOC101490721
SNP_23408B_6907661	Ca_Kabuli_Chr05	NC_021164.1	6907661	CC	TT	TT	INTRON	101490721	uncharacterized LOC101490721
SNP_23409B_6907712	Ca_Kabuli_Chr05	NC_021164.1	6907712	GG	CC	CC	INTRON	101490721	uncharacterized LOC101490721
SNP_23410B_6907713	Ca_Kabuli_Chr05	NC_021164.1	6907713	AA	GG	GG	INTRON	101490721	uncharacterized LOC101490721
SNP_23411B_6907720	Ca_Kabuli_Chr05	NC_021164.1	6907720	GG	AA	AA	INTRON	101490721	uncharacterized LOC101490721
SNP_23412B_6907781	Ca_Kabuli_Chr05	NC_021164.1	6907781	AA	GG	GG	INTRON	101490721	uncharacterized LOC101490721
SNP_23413B_6908161	Ca_Kabuli_Chr05	NC_021164.1	6908161	TT	CC	CC	INTRON	101490721	uncharacterized LOC101490721
SNP_23414B_6908174	Ca_Kabuli_Chr05	NC_021164.1	6908174	TT	CC	CC	INTRON	101490721	uncharacterized LOC101490721
SNP_23415B_6908242	Ca_Kabuli_Chr05	NC_021164.1	6908242	AA	GG	GG	INTRON	101490721	uncharacterized LOC101490721
SNP_23419B_6909720	Ca_Kabuli_Chr05	NC_021164.1	6909720	GG	AA	AA	INTRON	101490721	uncharacterized LOC101490721
SNP_23420B_6909722	Ca_Kabuli_Chr05	NC_021164.1	6909722	TT	CC	CC	INTRON	101490721	uncharacterized LOC101490721
SNP_23421B_6909725	Ca_Kabuli_Chr05	NC_021164.1	6909725	TT	CC	CC	INTRON	101490721	uncharacterized LOC101490721
SNP_23422B_6909817	Ca_Kabuli_Chr05	NC_021164.1	6909817	GG	AA	AA	INTRON	101490721	uncharacterized LOC101490721
SNP_23423B_6909903	Ca_Kabuli_Chr05	NC_021164.1	6909903	CC	TT	TT	INTRON	101490721	uncharacterized LOC101490721
SNP_23424B_6909912	Ca_Kabuli_Chr05	NC_021164.1	6909912	CC	TT	TT	INTRON	101490721	uncharacterized LOC101490721
SNP_23425B_6909931	Ca_Kabuli_Chr05	NC_021164.1	6909931	TT	GG	GG	INTRON	101490721	uncharacterized LOC101490721
SNP_23427B_6909995	Ca_Kabuli_Chr05	NC_021164.1	6909995	AA	GG	GG	INTRON	101490721	uncharacterized LOC101490721
SNP_23428B_6910707	Ca_Kabuli_Chr05	NC_021164.1	6910707	GG	TT	TT	INTRON	101490721	uncharacterized LOC101490721
SNP_23429B_6910732	Ca_Kabuli_Chr05	NC_021164.1	6910732	TT	AA	AA	INTRON	101490721	uncharacterized LOC101490721
SNP_23430B_6911925	Ca_Kabuli_Chr05	NC_021164.1	6911925	AA	GG	GG	INTRON	101490721	uncharacterized LOC101490721
SNP_23431B_6913570	Ca_Kabuli_Chr05	NC_021164.1	6913570	CC	TT	TT	INTRON	101490721	uncharacterized LOC101490721

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_23432B_6913609	Ca_Kabuli_Chr05	NC_021164.1	6913609	AA	GG	GG	INTRON	101490721	uncharacterized LOC101490721
SNP_23433B_6913632	Ca_Kabuli_Chr05	NC_021164.1	6913632	CC	AA	AA	INTRON	101490721	uncharacterized LOC101490721
SNP_23434B_6913635	Ca_Kabuli_Chr05	NC_021164.1	6913635	CC	GG	GG	INTRON	101490721	uncharacterized LOC101490721
SNP_23435B_6913861	Ca_Kabuli_Chr05	NC_021164.1	6913861	TT	GG	GG	INTRON	101490721	uncharacterized LOC101490721
SNP_23436B_6914049	Ca_Kabuli_Chr05	NC_021164.1	6914049	CC	TT	TT	INTRON	101490721	uncharacterized LOC101490721
SNP_23437B_6914052	Ca_Kabuli_Chr05	NC_021164.1	6914052	AA	GG	GG	INTRON	101490721	uncharacterized LOC101490721
SNP_23438B_6914194	Ca_Kabuli_Chr05	NC_021164.1	6914194	TT	CC	CC	INTRON	101490721	uncharacterized LOC101490721
SNP_23439B_6914729	Ca_Kabuli_Chr05	NC_021164.1	6914729	AA	GG	GG	INTRON	101490721	uncharacterized LOC101490721
SNP_23440B_6914776	Ca_Kabuli_Chr05	NC_021164.1	6914776	CC	AA	AA	INTRON	101490721	uncharacterized LOC101490721
SNP_23441B_6914793	Ca_Kabuli_Chr05	NC_021164.1	6914793	CC	TT	TT	INTRON	101490721	uncharacterized LOC101490721
SNP_23442B_6914913	Ca_Kabuli_Chr05	NC_021164.1	6914913	CC	TT	TT	INTRON	101490721	uncharacterized LOC101490721
SNP_23443B_6914934	Ca_Kabuli_Chr05	NC_021164.1	6914934	GG	TT	TT	INTRON	101490721	uncharacterized LOC101490721
SNP_23444B_6915081	Ca_Kabuli_Chr05	NC_021164.1	6915081	CC	TT	TT	INTRON	101490721	uncharacterized LOC101490721
SNP_23445B_6915088	Ca_Kabuli_Chr05	NC_021164.1	6915088	GG	AA	AA	INTRON	101490721	uncharacterized LOC101490721
SNP_23446B_6915112	Ca_Kabuli_Chr05	NC_021164.1	6915112	GG	AA	AA	INTRON	101490721	uncharacterized LOC101490721
SNP_23447B_6915173	Ca_Kabuli_Chr05	NC_021164.1	6915173	TT	GG	GG	INTRON	101490721	uncharacterized LOC101490721
SNP_23448B_6915178	Ca_Kabuli_Chr05	NC_021164.1	6915178	CC	GG	GG	INTRON	101490721	uncharacterized LOC101490721
SNP_23449B_6915186	Ca_Kabuli_Chr05	NC_021164.1	6915186	GG	AA	AA	INTRON	101490721	uncharacterized LOC101490721
SNP_23450B_6915187	Ca_Kabuli_Chr05	NC_021164.1	6915187	TT	AA	AA	INTRON	101490721	uncharacterized LOC101490721
SNP_23451B_6915191	Ca_Kabuli_Chr05	NC_021164.1	6915191	TT	CC	CC	INTRON	101490721	uncharacterized LOC101490721
SNP_23452B_6915211	Ca_Kabuli_Chr05	NC_021164.1	6915211	GG	AA	AA	INTRON	101490721	uncharacterized LOC101490721
SNP_23453B_7000860	Ca_Kabuli_Chr05	NC_021164.1	7000860	GG	AA	AA	INTERGENIC		
SNP_23454B_7003273	Ca_Kabuli_Chr05	NC_021164.1	7003273	TT	CC	CC	INTERGENIC		
SNP_23455B_7023675	Ca_Kabuli_Chr05	NC_021164.1	7023675	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_23456B_7023682	Ca_Kabuli_Chr05	NC_021164.1	7023682	TT	CC	CC	INTERGENIC		
SNP_23457B_7092535	Ca_Kabuli_Chr05	NC_021164.1	7092535	AA	CC	CC	INTERGENIC		
SNP_23458B_7092556	Ca_Kabuli_Chr05	NC_021164.1	7092556	TT	CC	CC	INTERGENIC		
SNP_23459B_7092589	Ca_Kabuli_Chr05	NC_021164.1	7092589	AA	GG	GG	INTERGENIC		
SNP_23460B_7092636	Ca_Kabuli_Chr05	NC_021164.1	7092636	AA	TT	TT	INTERGENIC		
SNP_23461B_7092763	Ca_Kabuli_Chr05	NC_021164.1	7092763	TT	CC	CC	INTERGENIC		
SNP_23462B_7092866	Ca_Kabuli_Chr05	NC_021164.1	7092866	TT	CC	CC	INTERGENIC		
SNP_23463B_7092870	Ca_Kabuli_Chr05	NC_021164.1	7092870	AA	GG	GG	INTERGENIC		
SNP_23464B_7103654	Ca_Kabuli_Chr05	NC_021164.1	7103654	AA	TT	TT	INTERGENIC		
SNP_23465B_7107072	Ca_Kabuli_Chr05	NC_021164.1	7107072	CC	GG	GG	INTERGENIC		
SNP_23466B_7107075	Ca_Kabuli_Chr05	NC_021164.1	7107075	AA	GG	GG	INTERGENIC		
SNP_23467B_7107342	Ca_Kabuli_Chr05	NC_021164.1	7107342	AA	CC	CC	INTERGENIC		
SNP_23468B_7107804	Ca_Kabuli_Chr05	NC_021164.1	7107804	CC	TT	TT	INTERGENIC		
SNP_23470B_7114454	Ca_Kabuli_Chr05	NC_021164.1	7114454	GG	AA	AA	INTERGENIC		
SNP_23471B_7114487	Ca_Kabuli_Chr05	NC_021164.1	7114487	TT	CC	CC	INTERGENIC		
SNP_23472B_7114509	Ca_Kabuli_Chr05	NC_021164.1	7114509	CC	TT	TT	INTERGENIC		
SNP_23473B_7114510	Ca_Kabuli_Chr05	NC_021164.1	7114510	TT	CC	CC	INTERGENIC		
SNP_23474B_7120141	Ca_Kabuli_Chr05	NC_021164.1	7120141	CC	TT	TT	INTERGENIC		
SNP_23475B_7125503	Ca_Kabuli_Chr05	NC_021164.1	7125503	TT	CC	CC	INTERGENIC		
SNP_23476B_7125570	Ca_Kabuli_Chr05	NC_021164.1	7125570	AA	TT	TT	INTERGENIC		
SNP_23477B_7227493	Ca_Kabuli_Chr05	NC_021164.1	7227493	AA	GG	GG	INTERGENIC		
SNP_23478B_7227497	Ca_Kabuli_Chr05	NC_021164.1	7227497	TT	GG	GG	INTERGENIC		
SNP_23479B_7227719	Ca_Kabuli_Chr05	NC_021164.1	7227719	GG	CC	CC	INTERGENIC		
SNP_23480B_7232850	Ca_Kabuli_Chr05	NC_021164.1	7232850	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_23481B_7236372	Ca_Kabuli_Chr05	NC_021164.1	7236372	CC	AA	AA	INTERGENIC		
SNP_23482B_7236374	Ca_Kabuli_Chr05	NC_021164.1	7236374	TT	GG	GG	INTERGENIC		
SNP_23483B_7236695	Ca_Kabuli_Chr05	NC_021164.1	7236695	TT	GG	GG	INTERGENIC		
SNP_23484B_7263182	Ca_Kabuli_Chr05	NC_021164.1	7263182	GG	AA	AA	INTERGENIC		
SNP_23485B_7264054	Ca_Kabuli_Chr05	NC_021164.1	7264054	CC	GG	GG	INTERGENIC		
SNP_23486B_7264067	Ca_Kabuli_Chr05	NC_021164.1	7264067	TT	CC	CC	INTERGENIC		
SNP_23487B_7293480	Ca_Kabuli_Chr05	NC_021164.1	7293480	AA	GG	GG	INTERGENIC		
SNP_23488B_7326932	Ca_Kabuli_Chr05	NC_021164.1	7326932	AA	TT	TT	INTERGENIC		
SNP_23489B_7327274	Ca_Kabuli_Chr05	NC_021164.1	7327274	AA	GG	GG	INTERGENIC		
SNP_23490B_7327349	Ca_Kabuli_Chr05	NC_021164.1	7327349	TT	AA	AA	INTERGENIC		
SNP_23491B_7359142	Ca_Kabuli_Chr05	NC_021164.1	7359142	AA	GG	GG	INTERGENIC		
SNP_23492B_7359185	Ca_Kabuli_Chr05	NC_021164.1	7359185	TT	CC	CC	INTERGENIC		
SNP_23493B_7359222	Ca_Kabuli_Chr05	NC_021164.1	7359222	TT	CC	CC	INTERGENIC		
SNP_23494B_7359550	Ca_Kabuli_Chr05	NC_021164.1	7359550	TT	GG	GG	INTERGENIC		
SNP_23495B_7359610	Ca_Kabuli_Chr05	NC_021164.1	7359610	AA	GG	GG	INTERGENIC		
SNP_23496B_7365464	Ca_Kabuli_Chr05	NC_021164.1	7365464	TT	CC	CC	INTERGENIC		
SNP_23497B_7388214	Ca_Kabuli_Chr05	NC_021164.1	7388214	GG	TT	TT	INTERGENIC		
SNP_23498B_7404116	Ca_Kabuli_Chr05	NC_021164.1	7404116	TT	GG	GG	INTERGENIC		
SNP_23499B_7498661	Ca_Kabuli_Chr05	NC_021164.1	7498661	CC	TT	TT	URR	101505224	vacuolar-processing enzyme delta-isozyme-like
SNP_23500B_7502924	Ca_Kabuli_Chr05	NC_021164.1	7502924	AA	CC	CC	INTERGENIC		
SNP_23501B_7617640	Ca_Kabuli_Chr05	NC_021164.1	7617640	GG	CC	CC	INTERGENIC		
SNP_23502B_7624127	Ca_Kabuli_Chr05	NC_021164.1	7624127	GG	AA	AA	INTERGENIC		
SNP_23503B_7648988	Ca_Kabuli_Chr05	NC_021164.1	7648988	TT	CC	CC	INTRON	101505880	proline-rich receptor-like protein kinase PERK10
SNP_23504B_7649078	Ca_Kabuli_Chr05	NC_021164.1	7649078	GG	AA	AA	INTRON	101505880	proline-rich receptor-like protein kinase PERK10

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_23505B_7649112	Ca_Kabuli_Chr05	NC_021164.1	7649112	CC	TT	TT	INTRON	101505880	proline-rich receptor-like protein kinase PERK10
SNP_23506B_7649114	Ca_Kabuli_Chr05	NC_021164.1	7649114	GG	AA	AA	INTRON	101505880	proline-rich receptor-like protein kinase PERK10
SNP_23507B_7654385	Ca_Kabuli_Chr05	NC_021164.1	7654385	TT	CC	CC	INTRON	101505880	proline-rich receptor-like protein kinase PERK10
SNP_23508B_7688085	Ca_Kabuli_Chr05	NC_021164.1	7688085	GG	TT	TT	INTERGENIC		
SNP_23509B_7707536	Ca_Kabuli_Chr05	NC_021164.1	7707536	AA	GG	GG	INTERGENIC		
SNP_23510B_7707558	Ca_Kabuli_Chr05	NC_021164.1	7707558	AA	GG	GG	INTERGENIC		
SNP_23511B_7707569	Ca_Kabuli_Chr05	NC_021164.1	7707569	AA	CC	CC	INTERGENIC		
SNP_23512B_7707599	Ca_Kabuli_Chr05	NC_021164.1	7707599	TT	CC	CC	INTERGENIC		
SNP_23513B_7707637	Ca_Kabuli_Chr05	NC_021164.1	7707637	AA	GG	GG	INTERGENIC		
SNP_23514B_7707650	Ca_Kabuli_Chr05	NC_021164.1	7707650	AA	CC	CC	INTERGENIC		
SNP_23515B_7707665	Ca_Kabuli_Chr05	NC_021164.1	7707665	AA	GG	GG	INTERGENIC		
SNP_23516B_7708050	Ca_Kabuli_Chr05	NC_021164.1	7708050	GG	CC	CC	INTERGENIC		
SNP_23517B_7710685	Ca_Kabuli_Chr05	NC_021164.1	7710685	GG	AA	AA	INTERGENIC		
SNP_23518B_7710692	Ca_Kabuli_Chr05	NC_021164.1	7710692	GG	AA	AA	INTERGENIC		
SNP_23519B_7752108	Ca_Kabuli_Chr05	NC_021164.1	7752108	AA	GG	GG	URR	101506196	Unknown function
SNP_23520B_7752256	Ca_Kabuli_Chr05	NC_021164.1	7752256	GG	AA	AA	URR	101506196	Unknown function
SNP_23521B_7752284	Ca_Kabuli_Chr05	NC_021164.1	7752284	TT	AA	AA	URR	101506196	Unknown function
SNP_23522B_7775055	Ca_Kabuli_Chr05	NC_021164.1	7775055	GG	AA	AA	NON_SYNONYMOUS_CODING	101499997	putative disease resistance protein At3g14460
SNP_23523B_7775065	Ca_Kabuli_Chr05	NC_021164.1	7775065	AA	CC	CC	NON_SYNONYMOUS_CODING	101499997	putative disease resistance protein At3g14460
SNP_23524B_7775100	Ca_Kabuli_Chr05	NC_021164.1	7775100	GG	AA	AA	NON_SYNONYMOUS_CODING	101499997	putative disease resistance protein At3g14460
SNP_23525B_7775172	Ca_Kabuli_Chr05	NC_021164.1	7775172	TT	CC	CC	NON_SYNONYMOUS_CODING	101499997	putative disease resistance protein At3g14460
SNP_23526B_7775219	Ca_Kabuli_Chr05	NC_021164.1	7775219	CC	GG	GG	SYNONYMOUS_CODING	101499997	putative disease resistance protein At3g14460
SNP_23527B_7775298	Ca_Kabuli_Chr05	NC_021164.1	7775298	AA	TT	TT	INTRON	101499997	putative disease resistance protein At3g14460
SNP_23528B_7805208	Ca_Kabuli_Chr05	NC_021164.1	7805208	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_23529B_7808088	Ca_Kabuli_Chr05	NC_021164.1	7808088	GG	TT	TT	INTERGENIC		
SNP_23530B_7808148	Ca_Kabuli_Chr05	NC_021164.1	7808148	CC	AA	AA	INTERGENIC		
SNP_23531B_7808154	Ca_Kabuli_Chr05	NC_021164.1	7808154	CC	TT	TT	INTERGENIC		
SNP_23532B_7808179	Ca_Kabuli_Chr05	NC_021164.1	7808179	TT	CC	CC	INTERGENIC		
SNP_23533B_7823450	Ca_Kabuli_Chr05	NC_021164.1	7823450	GG	AA	AA	INTERGENIC		
SNP_23534B_7823487	Ca_Kabuli_Chr05	NC_021164.1	7823487	AA	GG	GG	INTERGENIC		
SNP_23535B_7883611	Ca_Kabuli_Chr05	NC_021164.1	7883611	TT	CC	CC	INTERGENIC		
SNP_23536B_7929683	Ca_Kabuli_Chr05	NC_021164.1	7929683	AA	GG	GG	INTERGENIC		
SNP_23538B_7929826	Ca_Kabuli_Chr05	NC_021164.1	7929826	CC	AA	AA	INTERGENIC		
SNP_23539B_7930155	Ca_Kabuli_Chr05	NC_021164.1	7930155	AA	GG	GG	INTERGENIC		
SNP_23540B_7937594	Ca_Kabuli_Chr05	NC_021164.1	7937594	CC	AA	AA	INTERGENIC		
SNP_23541B_7937607	Ca_Kabuli_Chr05	NC_021164.1	7937607	AA	GG	GG	INTERGENIC		
SNP_23542B_7941007	Ca_Kabuli_Chr05	NC_021164.1	7941007	GG	AA	AA	INTERGENIC		
SNP_23544B_7941072	Ca_Kabuli_Chr05	NC_021164.1	7941072	AA	GG	GG	INTERGENIC		
SNP_23545B_7941361	Ca_Kabuli_Chr05	NC_021164.1	7941361	CC	TT	TT	INTERGENIC		
SNP_23546B_7941440	Ca_Kabuli_Chr05	NC_021164.1	7941440	TT	AA	AA	INTERGENIC		
SNP_23547B_7941907	Ca_Kabuli_Chr05	NC_021164.1	7941907	GG	TT	TT	INTERGENIC		
SNP_23548B_8035642	Ca_Kabuli_Chr05	NC_021164.1	8035642	CC	TT	TT	INTERGENIC		
SNP_23549B_8040292	Ca_Kabuli_Chr05	NC_021164.1	8040292	AA	GG	GG	INTERGENIC		
SNP_23550B_8040389	Ca_Kabuli_Chr05	NC_021164.1	8040389	TT	CC	CC	INTERGENIC		
SNP_23551B_8040438	Ca_Kabuli_Chr05	NC_021164.1	8040438	TT	CC	CC	INTERGENIC		
SNP_23552B_8040483	Ca_Kabuli_Chr05	NC_021164.1	8040483	AA	GG	GG	INTERGENIC		
SNP_23553B_8040643	Ca_Kabuli_Chr05	NC_021164.1	8040643	TT	GG	GG	INTERGENIC		
SNP_23554B_8040673	Ca_Kabuli_Chr05	NC_021164.1	8040673	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_23555B_8040703	Ca_Kabuli_Chr05	NC_021164.1	8040703	TT	GG	GG	INTERGENIC		
SNP_23556B_8051471	Ca_Kabuli_Chr05	NC_021164.1	8051471	AA	CC	CC	INTERGENIC		
SNP_23557B_8138709	Ca_Kabuli_Chr05	NC_021164.1	8138709	AA	CC	CC	INTERGENIC		
SNP_23558B_8138733	Ca_Kabuli_Chr05	NC_021164.1	8138733	TT	CC	CC	INTERGENIC		
SNP_23559B_8164630	Ca_Kabuli_Chr05	NC_021164.1	8164630	AA	GG	GG	INTERGENIC		
SNP_23560B_8164632	Ca_Kabuli_Chr05	NC_021164.1	8164632	AA	TT	TT	INTERGENIC		
SNP_23561B_8164726	Ca_Kabuli_Chr05	NC_021164.1	8164726	AA	TT	TT	INTERGENIC		
SNP_23562B_8173546	Ca_Kabuli_Chr05	NC_021164.1	8173546	CC	TT	TT	INTERGENIC		
SNP_23563B_8185966	Ca_Kabuli_Chr05	NC_021164.1	8185966	AA	GG	GG	INTERGENIC		
SNP_23564B_8186229	Ca_Kabuli_Chr05	NC_021164.1	8186229	CC	TT	TT	INTERGENIC		
SNP_23565B_8186271	Ca_Kabuli_Chr05	NC_021164.1	8186271	TT	GG	GG	INTERGENIC		
SNP_23566B_8186585	Ca_Kabuli_Chr05	NC_021164.1	8186585	TT	GG	GG	INTERGENIC		
SNP_23567B_8186631	Ca_Kabuli_Chr05	NC_021164.1	8186631	GG	CC	CC	INTERGENIC		
SNP_23568B_8198563	Ca_Kabuli_Chr05	NC_021164.1	8198563	CC	TT	TT	INTERGENIC		
SNP_23569B_8222906	Ca_Kabuli_Chr05	NC_021164.1	8222906	GG	AA	AA	INTERGENIC		
SNP_23571B_8241625	Ca_Kabuli_Chr05	NC_021164.1	8241625	GG	AA	AA	DRR	101507191	uncharacterized LOC101507191
SNP_23572B_8241683	Ca_Kabuli_Chr05	NC_021164.1	8241683	CC	TT	TT	DRR	101507191	uncharacterized LOC101507191
SNP_23573B_8259061	Ca_Kabuli_Chr05	NC_021164.1	8259061	CC	AA	AA	INTERGENIC		
SNP_23574B_8263214	Ca_Kabuli_Chr05	NC_021164.1	8263214	CC	TT	TT	INTERGENIC		
SNP_23575B_8263249	Ca_Kabuli_Chr05	NC_021164.1	8263249	TT	CC	CC	INTERGENIC		
SNP_23576B_8263304	Ca_Kabuli_Chr05	NC_021164.1	8263304	AA	GG	GG	INTERGENIC		
SNP_23577B_8263310	Ca_Kabuli_Chr05	NC_021164.1	8263310	AA	TT	TT	INTERGENIC		
SNP_23578B_8263421	Ca_Kabuli_Chr05	NC_021164.1	8263421	CC	TT	TT	INTERGENIC		
SNP_23579B_8263447	Ca_Kabuli_Chr05	NC_021164.1	8263447	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_23580B_8263483	Ca_Kabuli_Chr05	NC_021164.1	8263483	GG	AA	AA	INTERGENIC		
SNP_23581B_8263617	Ca_Kabuli_Chr05	NC_021164.1	8263617	AA	GG	GG	INTERGENIC		
SNP_23582B_8264941	Ca_Kabuli_Chr05	NC_021164.1	8264941	CC	AA	AA	INTERGENIC		
SNP_23583B_8264942	Ca_Kabuli_Chr05	NC_021164.1	8264942	GG	AA	AA	INTERGENIC		
SNP_23584B_8284074	Ca_Kabuli_Chr05	NC_021164.1	8284074	TT	CC	CC	URR	101505028	uncharacterized LOC101505028
SNP_23585B_8284168	Ca_Kabuli_Chr05	NC_021164.1	8284168	AA	CC	CC	URR	101505028	uncharacterized LOC101505028
SNP_23586B_8293302	Ca_Kabuli_Chr05	NC_021164.1	8293302	TT	CC	CC	INTERGENIC		
SNP_23587B_8293354	Ca_Kabuli_Chr05	NC_021164.1	8293354	TT	AA	AA	INTERGENIC		
SNP_23588B_8293355	Ca_Kabuli_Chr05	NC_021164.1	8293355	TT	CC	CC	INTERGENIC		
SNP_23589B_8293444	Ca_Kabuli_Chr05	NC_021164.1	8293444	CC	TT	TT	INTERGENIC		
SNP_23590B_8293468	Ca_Kabuli_Chr05	NC_021164.1	8293468	TT	CC	CC	INTERGENIC		
SNP_23591B_8293510	Ca_Kabuli_Chr05	NC_021164.1	8293510	CC	TT	TT	INTERGENIC		
SNP_23592B_8293520	Ca_Kabuli_Chr05	NC_021164.1	8293520	AA	GG	GG	INTERGENIC		
SNP_23593B_8293572	Ca_Kabuli_Chr05	NC_021164.1	8293572	GG	AA	AA	INTERGENIC		
SNP_23594B_8314228	Ca_Kabuli_Chr05	NC_021164.1	8314228	AA	GG	GG	INTERGENIC		
SNP_23595B_8314239	Ca_Kabuli_Chr05	NC_021164.1	8314239	GG	AA	AA	INTERGENIC		
SNP_23597B_8314353	Ca_Kabuli_Chr05	NC_021164.1	8314353	CC	TT	TT	INTERGENIC		
SNP_23598B_8314359	Ca_Kabuli_Chr05	NC_021164.1	8314359	TT	CC	CC	INTERGENIC		
SNP_23599B_8314368	Ca_Kabuli_Chr05	NC_021164.1	8314368	CC	GG	GG	INTERGENIC		
SNP_23600B_8314395	Ca_Kabuli_Chr05	NC_021164.1	8314395	CC	TT	TT	INTERGENIC		
SNP_23601B_8314448	Ca_Kabuli_Chr05	NC_021164.1	8314448	TT	CC	CC	INTERGENIC		
SNP_23602B_8346490	Ca_Kabuli_Chr05	NC_021164.1	8346490	TT	GG	GG	INTERGENIC		
SNP_23603B_8387195	Ca_Kabuli_Chr05	NC_021164.1	8387195	TT	GG	GG	INTERGENIC		
SNP_23604B_8413204	Ca_Kabuli_Chr05	NC_021164.1	8413204	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_23605B_8413487	Ca_Kabuli_Chr05	NC_021164.1	8413487	AA	GG	GG	INTERGENIC		
SNP_23606B_8413754	Ca_Kabuli_Chr05	NC_021164.1	8413754	CC	TT	TT	INTERGENIC		
SNP_23607B_8413758	Ca_Kabuli_Chr05	NC_021164.1	8413758	GG	AA	AA	INTERGENIC		
SNP_23608B_8473090	Ca_Kabuli_Chr05	NC_021164.1	8473090	TT	AA	AA	INTERGENIC		
SNP_23609B_8480965	Ca_Kabuli_Chr05	NC_021164.1	8480965	TT	CC	CC	INTERGENIC		
SNP_23610B_8485640	Ca_Kabuli_Chr05	NC_021164.1	8485640	AA	GG	GG	INTERGENIC		
SNP_23611B_8485665	Ca_Kabuli_Chr05	NC_021164.1	8485665	GG	AA	AA	INTERGENIC		
SNP_23612B_8485797	Ca_Kabuli_Chr05	NC_021164.1	8485797	GG	CC	CC	INTERGENIC		
SNP_23613B_8485909	Ca_Kabuli_Chr05	NC_021164.1	8485909	AA	GG	GG	INTERGENIC		
SNP_23614B_8485920	Ca_Kabuli_Chr05	NC_021164.1	8485920	CC	TT	TT	INTERGENIC		
SNP_23615B_8485926	Ca_Kabuli_Chr05	NC_021164.1	8485926	CC	GG	GG	INTERGENIC		
SNP_23616B_8486002	Ca_Kabuli_Chr05	NC_021164.1	8486002	GG	AA	AA	INTERGENIC		
SNP_23617B_8512612	Ca_Kabuli_Chr05	NC_021164.1	8512612	GG	AA	AA	INTRON	101509080	disease resistance protein RPS5-like
SNP_23618B_8531185	Ca_Kabuli_Chr05	NC_021164.1	8531185	TT	AA	AA	INTERGENIC		
SNP_23622B_8998862	Ca_Kabuli_Chr05	NC_021164.1	8998862	TT	CC	CC	INTERGENIC		
SNP_23623B_8998951	Ca_Kabuli_Chr05	NC_021164.1	8998951	AA	GG	GG	INTERGENIC		
SNP_23625B_8999002	Ca_Kabuli_Chr05	NC_021164.1	8999002	TT	AA	AA	INTERGENIC		
SNP_23626B_8999030	Ca_Kabuli_Chr05	NC_021164.1	8999030	TT	CC	CC	INTERGENIC		
SNP_23627B_8999459	Ca_Kabuli_Chr05	NC_021164.1	8999459	CC	GG	GG	INTERGENIC		
SNP_23628B_8999610	Ca_Kabuli_Chr05	NC_021164.1	8999610	CC	TT	TT	INTERGENIC		
SNP_23629B_8999612	Ca_Kabuli_Chr05	NC_021164.1	8999612	CC	AA	AA	INTERGENIC		
SNP_23630B_8999629	Ca_Kabuli_Chr05	NC_021164.1	8999629	CC	AA	AA	INTERGENIC		
SNP_23631B_8999636	Ca_Kabuli_Chr05	NC_021164.1	8999636	GG	AA	AA	INTERGENIC		
SNP_23633B_8999842	Ca_Kabuli_Chr05	NC_021164.1	8999842	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_23634B_8999930	Ca_Kabuli_Chr05	NC_021164.1	8999930	GG	AA	AA	INTERGENIC		
SNP_23635B_8999946	Ca_Kabuli_Chr05	NC_021164.1	8999946	GG	AA	AA	INTERGENIC		
SNP_23636B_8999967	Ca_Kabuli_Chr05	NC_021164.1	8999967	GG	AA	AA	INTERGENIC		
SNP_23638B_9000017	Ca_Kabuli_Chr05	NC_021164.1	9000017	AA	GG	GG	INTERGENIC		
SNP_23639B_9000338	Ca_Kabuli_Chr05	NC_021164.1	9000338	CC	TT	TT	INTERGENIC		
SNP_23640B_9092324	Ca_Kabuli_Chr05	NC_021164.1	9092324	CC	GG	GG	INTERGENIC		
SNP_23641B_9092328	Ca_Kabuli_Chr05	NC_021164.1	9092328	TT	CC	CC	INTERGENIC		
SNP_23642B_9187776	Ca_Kabuli_Chr05	NC_021164.1	9187776	AA	GG	GG	INTERGENIC		
SNP_23643B_9201874	Ca_Kabuli_Chr05	NC_021164.1	9201874	TT	AA	AA	INTERGENIC		
SNP_23644B_9202471	Ca_Kabuli_Chr05	NC_021164.1	9202471	TT	GG	GG	INTERGENIC		
SNP_23645B_9202647	Ca_Kabuli_Chr05	NC_021164.1	9202647	CC	TT	TT	INTERGENIC		
SNP_23646B_9203027	Ca_Kabuli_Chr05	NC_021164.1	9203027	GG	AA	AA	INTERGENIC		
SNP_23648B_9294143	Ca_Kabuli_Chr05	NC_021164.1	9294143	GG	AA	AA	URR	101496767	cytosolic sulfotransferase 15-like
SNP_23649B_9294161	Ca_Kabuli_Chr05	NC_021164.1	9294161	TT	GG	GG	URR	101496767	cytosolic sulfotransferase 15-like
SNP_23650B_9365889	Ca_Kabuli_Chr05	NC_021164.1	9365889	TT	CC	CC	INTERGENIC		
SNP_23651B_9365934	Ca_Kabuli_Chr05	NC_021164.1	9365934	GG	AA	AA	INTERGENIC		
SNP_23652B_9366003	Ca_Kabuli_Chr05	NC_021164.1	9366003	GG	AA	AA	DRR	101500965	Unknown function
SNP_23653B_9366053	Ca_Kabuli_Chr05	NC_021164.1	9366053	AA	TT	TT	DRR	101500965	Unknown function
SNP_23654B_9366183	Ca_Kabuli_Chr05	NC_021164.1	9366183	AA	TT	TT	DRR	101500965	Unknown function
SNP_23655B_9366210	Ca_Kabuli_Chr05	NC_021164.1	9366210	TT	AA	AA	DRR	101500965	Unknown function
SNP_23656B_9366262	Ca_Kabuli_Chr05	NC_021164.1	9366262	AA	GG	GG	DRR	101500965	Unknown function
SNP_23657B_9366291	Ca_Kabuli_Chr05	NC_021164.1	9366291	TT	CC	CC	DRR	101500965	Unknown function
SNP_23658B_9366330	Ca_Kabuli_Chr05	NC_021164.1	9366330	TT	AA	AA	DRR	101500965	Unknown function
SNP_23659B_9374297	Ca_Kabuli_Chr05	NC_021164.1	9374297	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_23660B_9374487	Ca_Kabuli_Chr05	NC_021164.1	9374487	TT	GG	GG	INTERGENIC		
SNP_23661B_9374500	Ca_Kabuli_Chr05	NC_021164.1	9374500	TT	AA	AA	INTERGENIC		
SNP_23662B_9384808	Ca_Kabuli_Chr05	NC_021164.1	9384808	AA	CC	CC	INTERGENIC		
SNP_23663B_9403081	Ca_Kabuli_Chr05	NC_021164.1	9403081	AA	GG	GG	URR	101501283	receptor-like protein kinase FERONIA
SNP_23664B_9403160	Ca_Kabuli_Chr05	NC_021164.1	9403160	GG	AA	AA	INTERGENIC		
SNP_23665B_9403389	Ca_Kabuli_Chr05	NC_021164.1	9403389	TT	CC	CC	INTERGENIC		
SNP_23666B_9403409	Ca_Kabuli_Chr05	NC_021164.1	9403409	AA	TT	TT	INTERGENIC		
SNP_23667B_9403491	Ca_Kabuli_Chr05	NC_021164.1	9403491	TT	CC	CC	INTERGENIC		
SNP_23668B_9403605	Ca_Kabuli_Chr05	NC_021164.1	9403605	AA	CC	CC	INTERGENIC		
SNP_23669B_9403641	Ca_Kabuli_Chr05	NC_021164.1	9403641	CC	AA	AA	INTERGENIC		
SNP_23670B_9403713	Ca_Kabuli_Chr05	NC_021164.1	9403713	CC	TT	GG	INTERGENIC		
SNP_23671B_9403722	Ca_Kabuli_Chr05	NC_021164.1	9403722	GG	AA	AA	INTERGENIC		
SNP_23672B_9433577	Ca_Kabuli_Chr05	NC_021164.1	9433577	TT	CC	CC	INTERGENIC		
SNP_23673B_9433587	Ca_Kabuli_Chr05	NC_021164.1	9433587	TT	GG	GG	INTERGENIC		
SNP_23674B_9433683	Ca_Kabuli_Chr05	NC_021164.1	9433683	AA	GG	GG	INTERGENIC		
SNP_23675B_9433699	Ca_Kabuli_Chr05	NC_021164.1	9433699	AA	CC	CC	INTERGENIC		
SNP_23676B_9440120	Ca_Kabuli_Chr05	NC_021164.1	9440120	AA	GG	GG	URR	101501914	QWRF motif-containing protein 7
SNP_23678B_9441794	Ca_Kabuli_Chr05	NC_021164.1	9441794	TT	CC	CC	INTERGENIC		
SNP_23679B_9467206	Ca_Kabuli_Chr05	NC_021164.1	9467206	GG	TT	TT	INTERGENIC		
SNP_23680B_9467215	Ca_Kabuli_Chr05	NC_021164.1	9467215	GG	AA	AA	INTERGENIC		
SNP_23681B_9467217	Ca_Kabuli_Chr05	NC_021164.1	9467217	GG	TT	TT	INTERGENIC		
SNP_23682B_9467705	Ca_Kabuli_Chr05	NC_021164.1	9467705	AA	GG	GG	INTERGENIC		
SNP_23683B_9467778	Ca_Kabuli_Chr05	NC_021164.1	9467778	TT	AA	AA	INTERGENIC		
SNP_23684B_9467818	Ca_Kabuli_Chr05	NC_021164.1	9467818	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_23685B_9467905	Ca_Kabuli_Chr05	NC_021164.1	9467905	AA	GG	GG	INTERGENIC		
SNP_23686B_9467998	Ca_Kabuli_Chr05	NC_021164.1	9467998	AA	GG	GG	INTERGENIC		
SNP_23687B_9468232	Ca_Kabuli_Chr05	NC_021164.1	9468232	TT	CC	CC	INTERGENIC		
SNP_23688B_9553069	Ca_Kabuli_Chr05	NC_021164.1	9553069	GG	TT	TT	INTERGENIC		
SNP_23689B_9625659	Ca_Kabuli_Chr05	NC_021164.1	9625659	GG	CC	CC	URR	101507922	Unknown function
SNP_23690B_9625705	Ca_Kabuli_Chr05	NC_021164.1	9625705	AA	CC	CC	URR	101507922	Unknown function
SNP_23691B_9626089	Ca_Kabuli_Chr05	NC_021164.1	9626089	GG	CC	CC	INTERGENIC		
SNP_23692B_9626230	Ca_Kabuli_Chr05	NC_021164.1	9626230	CC	AA	AA	INTERGENIC		
SNP_23693B_9690596	Ca_Kabuli_Chr05	NC_021164.1	9690596	AA	GG	GG	INTERGENIC		
SNP_23694B_9690623	Ca_Kabuli_Chr05	NC_021164.1	9690623	CC	AA	AA	INTERGENIC		
SNP_23695B_9690625	Ca_Kabuli_Chr05	NC_021164.1	9690625	TT	CC	CC	INTERGENIC		
SNP_23696B_9690872	Ca_Kabuli_Chr05	NC_021164.1	9690872	AA	GG	GG	INTERGENIC		
SNP_23698B_9713854	Ca_Kabuli_Chr05	NC_021164.1	9713854	CC	TT	TT	INTRON	101508234	probable glucan 1,3-beta-glucosidase A
SNP_23699B_9746188	Ca_Kabuli_Chr05	NC_021164.1	9746188	AA	GG	GG	INTERGENIC		
SNP_23700B_9746461	Ca_Kabuli_Chr05	NC_021164.1	9746461	AA	GG	GG	INTERGENIC		
SNP_23701B_9921190	Ca_Kabuli_Chr05	NC_021164.1	9921190	GG	AA	AA	INTERGENIC		
SNP_23702B_9921411	Ca_Kabuli_Chr05	NC_021164.1	9921411	TT	CC	CC	INTERGENIC		
SNP_23703B_9936203	Ca_Kabuli_Chr05	NC_021164.1	9936203	AA	TT	TT	INTERGENIC		
SNP_23704B_9937433	Ca_Kabuli_Chr05	NC_021164.1	9937433	TT	AA	AA	INTERGENIC		
SNP_23705B_10021506	Ca_Kabuli_Chr05	NC_021164.1	10021506	CC	TT	TT	INTERGENIC		
SNP_23706B_10056571	Ca_Kabuli_Chr05	NC_021164.1	10056571	TT	AA	AA	URR	101513494	uncharacterized LOC101513494
SNP_23707B_10076960	Ca_Kabuli_Chr05	NC_021164.1	10076960	TT	GG	GG	URR	101513797	choline/ethanolaminephosphotransferase 1-like
SNP_23708B_10253770	Ca_Kabuli_Chr05	NC_021164.1	10253770	CC	TT	TT	INTERGENIC		
SNP_23709B_10287151	Ca_Kabuli_Chr05	NC_021164.1	10287151	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_23710B_10287153	Ca_Kabuli_Chr05	NC_021164.1	10287153	AA	GG	GG	INTERGENIC		
SNP_23711B_10312564	Ca_Kabuli_Chr05	NC_021164.1	10312564	CC	TT	TT	URR	101494070	probable VAMP-like protein At1g33475
SNP_23712B_10331288	Ca_Kabuli_Chr05	NC_021164.1	10331288	CC	TT	TT	INTRON	101495784	14-3-3-like protein
SNP_23713B_10333050	Ca_Kabuli_Chr05	NC_021164.1	10333050	GG	AA	AA	INTRON	101495784	14-3-3-like protein
SNP_23714B_10348759	Ca_Kabuli_Chr05	NC_021164.1	10348759	TT	GG	GG	INTERGENIC		
SNP_23715B_10348765	Ca_Kabuli_Chr05	NC_021164.1	10348765	CC	TT	TT	INTERGENIC		
SNP_23716B_10349158	Ca_Kabuli_Chr05	NC_021164.1	10349158	GG	CC	CC	INTERGENIC		
SNP_23717B_10349164	Ca_Kabuli_Chr05	NC_021164.1	10349164	AA	CC	CC	INTERGENIC		
SNP_23718B_10349191	Ca_Kabuli_Chr05	NC_021164.1	10349191	AA	GG	GG	INTERGENIC		
SNP_23719B_10362889	Ca_Kabuli_Chr05	NC_021164.1	10362889	TT	CC	CC	DRR	101496106	dual specificity protein phosphatase PHS1-like
SNP_23722B_10451704	Ca_Kabuli_Chr05	NC_021164.1	10451704	TT	CC	CC	INTERGENIC		
SNP_23723B_10475930	Ca_Kabuli_Chr05	NC_021164.1	10475930	TT	GG	GG	INTERGENIC		
SNP_23724B_10526035	Ca_Kabuli_Chr05	NC_021164.1	10526035	CC	TT	TT	INTRON	101502023	uncharacterized LOC101502023
SNP_23725B_10526133	Ca_Kabuli_Chr05	NC_021164.1	10526133	CC	AA	AA	INTRON	101502023	uncharacterized LOC101502023
SNP_23726B_10545265	Ca_Kabuli_Chr05	NC_021164.1	10545265	CC	AA	AA	INTRON	101498072	glyoxylate/hydroxypyruvate reductase HPR3
SNP_23728B_10604599	Ca_Kabuli_Chr05	NC_021164.1	10604599	TT	AA	AA	INTERGENIC		
SNP_23729B_10604953	Ca_Kabuli_Chr05	NC_021164.1	10604953	AA	GG	GG	INTERGENIC		
SNP_23730B_10616912	Ca_Kabuli_Chr05	NC_021164.1	10616912	AA	TT	TT	INTERGENIC		
SNP_23731B_10617760	Ca_Kabuli_Chr05	NC_021164.1	10617760	GG	AA	AA	INTERGENIC		
SNP_23732B_10623982	Ca_Kabuli_Chr05	NC_021164.1	10623982	TT	AA	AA	INTERGENIC		
SNP_23733B_10634191	Ca_Kabuli_Chr05	NC_021164.1	10634191	CC	TT	TT	INTERGENIC		
SNP_23735B_10634346	Ca_Kabuli_Chr05	NC_021164.1	10634346	TT	CC	CC	INTERGENIC		
SNP_23736B_10634489	Ca_Kabuli_Chr05	NC_021164.1	10634489	AA	GG	GG	INTERGENIC		
SNP_23737B_10646516	Ca_Kabuli_Chr05	NC_021164.1	10646516	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_23738B_10646750	Ca_Kabuli_Chr05	NC_021164.1	10646750	CC	AA	AA	INTERGENIC		
SNP_23739B_10646908	Ca_Kabuli_Chr05	NC_021164.1	10646908	CC	TT	TT	INTERGENIC		
SNP_23740B_10646944	Ca_Kabuli_Chr05	NC_021164.1	10646944	TT	AA	AA	INTERGENIC		
SNP_23741B_10646951	Ca_Kabuli_Chr05	NC_021164.1	10646951	TT	GG	GG	INTERGENIC		
SNP_23742B_10650234	Ca_Kabuli_Chr05	NC_021164.1	10650234	GG	CC	CC	INTERGENIC		
SNP_23743B_10671984	Ca_Kabuli_Chr05	NC_021164.1	10671984	TT	CC	CC	INTERGENIC		
SNP_23744B_10672091	Ca_Kabuli_Chr05	NC_021164.1	10672091	AA	GG	GG	INTERGENIC		
SNP_23745B_10672102	Ca_Kabuli_Chr05	NC_021164.1	10672102	CC	TT	TT	INTERGENIC		
SNP_23746B_10672108	Ca_Kabuli_Chr05	NC_021164.1	10672108	TT	CC	CC	INTERGENIC		
SNP_23747B_10672242	Ca_Kabuli_Chr05	NC_021164.1	10672242	GG	TT	TT	INTERGENIC		
SNP_23748B_10672246	Ca_Kabuli_Chr05	NC_021164.1	10672246	CC	AA	AA	INTERGENIC		
SNP_23749B_10672313	Ca_Kabuli_Chr05	NC_021164.1	10672313	AA	GG	GG	INTERGENIC		
SNP_23750B_10672325	Ca_Kabuli_Chr05	NC_021164.1	10672325	CC	TT	TT	INTERGENIC		
SNP_23751B_10672377	Ca_Kabuli_Chr05	NC_021164.1	10672377	GG	CC	CC	INTERGENIC		
SNP_23752B_10672510	Ca_Kabuli_Chr05	NC_021164.1	10672510	CC	TT	TT	INTERGENIC		
SNP_23753B_10672635	Ca_Kabuli_Chr05	NC_021164.1	10672635	GG	AA	AA	INTERGENIC		
SNP_23754B_10672825	Ca_Kabuli_Chr05	NC_021164.1	10672825	CC	TT	TT	INTERGENIC		
SNP_23755B_10672969	Ca_Kabuli_Chr05	NC_021164.1	10672969	TT	CC	CC	INTERGENIC		
SNP_23756B_10673009	Ca_Kabuli_Chr05	NC_021164.1	10673009	TT	CC	CC	INTERGENIC		
SNP_23757B_10673403	Ca_Kabuli_Chr05	NC_021164.1	10673403	CC	TT	TT	INTERGENIC		
SNP_23758B_10673605	Ca_Kabuli_Chr05	NC_021164.1	10673605	TT	CC	CC	INTERGENIC		
SNP_23759B_10673819	Ca_Kabuli_Chr05	NC_021164.1	10673819	GG	TT	TT	INTERGENIC		
SNP_23760B_10673820	Ca_Kabuli_Chr05	NC_021164.1	10673820	TT	GG	GG	INTERGENIC		
SNP_23761B_10673821	Ca_Kabuli_Chr05	NC_021164.1	10673821	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_23762B_10673831	Ca_Kabuli_Chr05	NC_021164.1	10673831	GG	TT	TT	INTERGENIC		
SNP_23763B_10673882	Ca_Kabuli_Chr05	NC_021164.1	10673882	TT	AA	AA	INTERGENIC		
SNP_23764B_10673913	Ca_Kabuli_Chr05	NC_021164.1	10673913	AA	TT	TT	INTERGENIC		
SNP_23765B_10674136	Ca_Kabuli_Chr05	NC_021164.1	10674136	GG	TT	TT	INTERGENIC		
SNP_23766B_10674158	Ca_Kabuli_Chr05	NC_021164.1	10674158	GG	AA	AA	INTERGENIC		
SNP_23767B_10674211	Ca_Kabuli_Chr05	NC_021164.1	10674211	CC	TT	TT	INTERGENIC		
SNP_23768B_10674506	Ca_Kabuli_Chr05	NC_021164.1	10674506	GG	TT	TT	INTERGENIC		
SNP_23769B_10674546	Ca_Kabuli_Chr05	NC_021164.1	10674546	AA	GG	GG	INTERGENIC		
SNP_23770B_10674718	Ca_Kabuli_Chr05	NC_021164.1	10674718	AA	GG	GG	INTERGENIC		
SNP_23771B_10674808	Ca_Kabuli_Chr05	NC_021164.1	10674808	CC	AA	AA	INTERGENIC		
SNP_23772B_10676063	Ca_Kabuli_Chr05	NC_021164.1	10676063	GG	CC	CC	INTERGENIC		
SNP_23773B_10676093	Ca_Kabuli_Chr05	NC_021164.1	10676093	CC	TT	TT	INTERGENIC		
SNP_23774B_10676159	Ca_Kabuli_Chr05	NC_021164.1	10676159	GG	AA	AA	INTERGENIC		
SNP_23775B_10676416	Ca_Kabuli_Chr05	NC_021164.1	10676416	GG	AA	AA	INTERGENIC		
SNP_23776B_10676548	Ca_Kabuli_Chr05	NC_021164.1	10676548	AA	TT	TT	INTERGENIC		
SNP_23777B_10676603	Ca_Kabuli_Chr05	NC_021164.1	10676603	TT	CC	CC	INTERGENIC		
SNP_23778B_10676608	Ca_Kabuli_Chr05	NC_021164.1	10676608	AA	GG	GG	INTERGENIC		
SNP_23779B_10676761	Ca_Kabuli_Chr05	NC_021164.1	10676761	TT	GG	GG	INTERGENIC		
SNP_23780B_10677868	Ca_Kabuli_Chr05	NC_021164.1	10677868	GG	AA	AA	INTERGENIC		
SNP_23781B_10678076	Ca_Kabuli_Chr05	NC_021164.1	10678076	GG	CC	CC	INTERGENIC		
SNP_23782B_10678201	Ca_Kabuli_Chr05	NC_021164.1	10678201	CC	TT	TT	INTERGENIC		
SNP_23783B_10678206	Ca_Kabuli_Chr05	NC_021164.1	10678206	AA	GG	GG	INTERGENIC		
SNP_23784B_10678331	Ca_Kabuli_Chr05	NC_021164.1	10678331	GG	AA	AA	INTERGENIC		
SNP_23785B_10679884	Ca_Kabuli_Chr05	NC_021164.1	10679884	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_23786B_10679910	Ca_Kabuli_Chr05	NC_021164.1	10679910	CC	TT	TT	INTERGENIC		
SNP_23787B_10679919	Ca_Kabuli_Chr05	NC_021164.1	10679919	TT	CC	CC	INTERGENIC		
SNP_23788B_10679957	Ca_Kabuli_Chr05	NC_021164.1	10679957	CC	TT	TT	INTERGENIC		
SNP_23789B_10679967	Ca_Kabuli_Chr05	NC_021164.1	10679967	TT	GG	GG	INTERGENIC		
SNP_23790B_10679989	Ca_Kabuli_Chr05	NC_021164.1	10679989	GG	CC	CC	INTERGENIC		
SNP_23791B_10679991	Ca_Kabuli_Chr05	NC_021164.1	10679991	CC	AA	AA	INTERGENIC		
SNP_23792B_10680016	Ca_Kabuli_Chr05	NC_021164.1	10680016	CC	TT	TT	INTERGENIC		
SNP_23793B_10680056	Ca_Kabuli_Chr05	NC_021164.1	10680056	GG	AA	AA	INTERGENIC		
SNP_23794B_10680063	Ca_Kabuli_Chr05	NC_021164.1	10680063	GG	TT	TT	INTERGENIC		
SNP_23795B_10680066	Ca_Kabuli_Chr05	NC_021164.1	10680066	TT	CC	CC	INTERGENIC		
SNP_23796B_10680067	Ca_Kabuli_Chr05	NC_021164.1	10680067	CC	TT	TT	INTERGENIC		
SNP_23797B_10680100	Ca_Kabuli_Chr05	NC_021164.1	10680100	CC	AA	AA	INTERGENIC		
SNP_23798B_10680107	Ca_Kabuli_Chr05	NC_021164.1	10680107	AA	GG	GG	INTERGENIC		
SNP_23799B_10680109	Ca_Kabuli_Chr05	NC_021164.1	10680109	CC	AA	AA	INTERGENIC		
SNP_23800B_10680152	Ca_Kabuli_Chr05	NC_021164.1	10680152	AA	TT	TT	INTERGENIC		
SNP_23801B_10680168	Ca_Kabuli_Chr05	NC_021164.1	10680168	AA	TT	TT	INTERGENIC		
SNP_23802B_10680170	Ca_Kabuli_Chr05	NC_021164.1	10680170	GG	AA	AA	INTERGENIC		
SNP_23803B_10680185	Ca_Kabuli_Chr05	NC_021164.1	10680185	CC	TT	TT	INTERGENIC		
SNP_23804B_10680193	Ca_Kabuli_Chr05	NC_021164.1	10680193	TT	GG	GG	INTERGENIC		
SNP_23805B_10686889	Ca_Kabuli_Chr05	NC_021164.1	10686889	AA	GG	GG	INTERGENIC		
SNP_23806B_10686922	Ca_Kabuli_Chr05	NC_021164.1	10686922	CC	TT	TT	INTERGENIC		
SNP_23807B_10686957	Ca_Kabuli_Chr05	NC_021164.1	10686957	TT	CC	CC	INTERGENIC		
SNP_23808B_10686975	Ca_Kabuli_Chr05	NC_021164.1	10686975	TT	CC	CC	INTERGENIC		
SNP_23810B_10687100	Ca_Kabuli_Chr05	NC_021164.1	10687100	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_23811B_10687131	Ca_Kabuli_Chr05	NC_021164.1	10687131	AA	GG	GG	INTERGENIC		
SNP_23812B_10687204	Ca_Kabuli_Chr05	NC_021164.1	10687204	TT	GG	GG	INTERGENIC		
SNP_23813B_10687251	Ca_Kabuli_Chr05	NC_021164.1	10687251	GG	AA	AA	INTERGENIC		
SNP_23814B_10687320	Ca_Kabuli_Chr05	NC_021164.1	10687320	GG	TT	TT	INTERGENIC		
SNP_23815B_10687375	Ca_Kabuli_Chr05	NC_021164.1	10687375	TT	GG	GG	INTERGENIC		
SNP_23816B_10687455	Ca_Kabuli_Chr05	NC_021164.1	10687455	AA	CC	CC	INTERGENIC		
SNP_23817B_10687490	Ca_Kabuli_Chr05	NC_021164.1	10687490	TT	CC	CC	INTERGENIC		
SNP_23818B_10687500	Ca_Kabuli_Chr05	NC_021164.1	10687500	TT	AA	AA	INTERGENIC		
SNP_23819B_10687502	Ca_Kabuli_Chr05	NC_021164.1	10687502	CC	TT	TT	INTERGENIC		
SNP_23820B_10687823	Ca_Kabuli_Chr05	NC_021164.1	10687823	TT	AA	AA	INTERGENIC		
SNP_23822B_10688182	Ca_Kabuli_Chr05	NC_021164.1	10688182	AA	TT	TT	INTERGENIC		
SNP_23823B_10688185	Ca_Kabuli_Chr05	NC_021164.1	10688185	GG	TT	TT	INTERGENIC		
SNP_23824B_10688278	Ca_Kabuli_Chr05	NC_021164.1	10688278	GG	AA	AA	INTERGENIC		
SNP_23825B_10688368	Ca_Kabuli_Chr05	NC_021164.1	10688368	TT	GG	GG	INTERGENIC		
SNP_23826B_10688549	Ca_Kabuli_Chr05	NC_021164.1	10688549	GG	CC	CC	INTERGENIC		
SNP_23828B_10688585	Ca_Kabuli_Chr05	NC_021164.1	10688585	CC	TT	TT	INTERGENIC		
SNP_23829B_10688847	Ca_Kabuli_Chr05	NC_021164.1	10688847	GG	TT	TT	INTERGENIC		
SNP_23830B_10688886	Ca_Kabuli_Chr05	NC_021164.1	10688886	CC	TT	TT	INTERGENIC		
SNP_23831B_10688896	Ca_Kabuli_Chr05	NC_021164.1	10688896	TT	AA	AA	INTERGENIC		
SNP_23832B_10688907	Ca_Kabuli_Chr05	NC_021164.1	10688907	AA	CC	CC	INTERGENIC		
SNP_23834B_10689336	Ca_Kabuli_Chr05	NC_021164.1	10689336	AA	TT	TT	INTERGENIC		
SNP_23835B_10689387	Ca_Kabuli_Chr05	NC_021164.1	10689387	TT	AA	AA	INTERGENIC		
SNP_23836B_10689433	Ca_Kabuli_Chr05	NC_021164.1	10689433	TT	CC	CC	INTERGENIC		
SNP_23838B_10689693	Ca_Kabuli_Chr05	NC_021164.1	10689693	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_23839B_10690245	Ca_Kabuli_Chr05	NC_021164.1	10690245	AA	TT	TT	INTERGENIC		
SNP_23840B_10692068	Ca_Kabuli_Chr05	NC_021164.1	10692068	AA	GG	GG	INTERGENIC		
SNP_23841B_10693715	Ca_Kabuli_Chr05	NC_021164.1	10693715	TT	GG	GG	INTERGENIC		
SNP_23843B_10759855	Ca_Kabuli_Chr05	NC_021164.1	10759855	GG	TT	TT	URR	101507718	uncharacterized LOC101507718
SNP_23844B_10794946	Ca_Kabuli_Chr05	NC_021164.1	10794946	TT	AA	AA	INTERGENIC		
SNP_23845B_11075430	Ca_Kabuli_Chr05	NC_021164.1	11075430	AA	GG	GG	URR	101506422	putative pectinesterase/pectinesterase inhibitor 24
SNP_23846B_11075471	Ca_Kabuli_Chr05	NC_021164.1	11075471	AA	GG	GG	URR	101506422	putative pectinesterase/pectinesterase inhibitor 24
SNP_23847B_11075490	Ca_Kabuli_Chr05	NC_021164.1	11075490	AA	GG	GG	URR	101506422	putative pectinesterase/pectinesterase inhibitor 24
SNP_23848B_11075517	Ca_Kabuli_Chr05	NC_021164.1	11075517	AA	CC	CC	URR	101506422	putative pectinesterase/pectinesterase inhibitor 24
SNP_23849B_11075547	Ca_Kabuli_Chr05	NC_021164.1	11075547	CC	TT	TT	URR	101506422	putative pectinesterase/pectinesterase inhibitor 24
SNP_23850B_11131266	Ca_Kabuli_Chr05	NC_021164.1	11131266	GG	TT	TT	INTERGENIC		
SNP_23851B_11131292	Ca_Kabuli_Chr05	NC_021164.1	11131292	TT	AA	AA	INTERGENIC		
SNP_23852B_11131344	Ca_Kabuli_Chr05	NC_021164.1	11131344	GG	AA	AA	INTERGENIC		
SNP_23853B_11131345	Ca_Kabuli_Chr05	NC_021164.1	11131345	TT	GG	GG	INTERGENIC		
SNP_23854B_11131348	Ca_Kabuli_Chr05	NC_021164.1	11131348	AA	GG	GG	INTERGENIC		
SNP_23855B_11131356	Ca_Kabuli_Chr05	NC_021164.1	11131356	TT	CC	CC	INTERGENIC		
SNP_23856B_11131364	Ca_Kabuli_Chr05	NC_021164.1	11131364	CC	AA	AA	INTERGENIC		
SNP_23857B_11131368	Ca_Kabuli_Chr05	NC_021164.1	11131368	GG	AA	AA	INTERGENIC		
SNP_23858B_11132450	Ca_Kabuli_Chr05	NC_021164.1	11132450	AA	TT	TT	INTERGENIC		
SNP_23859B_11132502	Ca_Kabuli_Chr05	NC_021164.1	11132502	CC	GG	GG	INTERGENIC		
SNP_23860B_11132616	Ca_Kabuli_Chr05	NC_021164.1	11132616	AA	TT	TT	INTERGENIC		
SNP_23861B_11132747	Ca_Kabuli_Chr05	NC_021164.1	11132747	TT	CC	CC	INTERGENIC		
SNP_23862B_11132778	Ca_Kabuli_Chr05	NC_021164.1	11132778	CC	TT	TT	INTERGENIC		
SNP_23863B_11132945	Ca_Kabuli_Chr05	NC_021164.1	11132945	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_23865B_11167551	Ca_Kabuli_Chr05	NC_021164.1	11167551	TT	AA	AA	NON_SYNONYMOUS_CODING	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23866B_11167607	Ca_Kabuli_Chr05	NC_021164.1	11167607	AA	GG	GG	NON_SYNONYMOUS_CODING	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23867B_11167791	Ca_Kabuli_Chr05	NC_021164.1	11167791	AA	GG	GG	INTRON	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23868B_11167841	Ca_Kabuli_Chr05	NC_021164.1	11167841	TT	AA	AA	INTRON	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23869B_11167868	Ca_Kabuli_Chr05	NC_021164.1	11167868	GG	CC	CC	INTRON	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23870B_11167878	Ca_Kabuli_Chr05	NC_021164.1	11167878	TT	CC	CC	INTRON	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23871B_11167883	Ca_Kabuli_Chr05	NC_021164.1	11167883	AA	CC	CC	INTRON	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23872B_11167887	Ca_Kabuli_Chr05	NC_021164.1	11167887	TT	CC	CC	INTRON	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23873B_11167891	Ca_Kabuli_Chr05	NC_021164.1	11167891	GG	AA	AA	INTRON	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23874B_11167892	Ca_Kabuli_Chr05	NC_021164.1	11167892	TT	CC	CC	INTRON	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23875B_11167898	Ca_Kabuli_Chr05	NC_021164.1	11167898	AA	GG	GG	INTRON	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23876B_11167900	Ca_Kabuli_Chr05	NC_021164.1	11167900	TT	GG	GG	INTRON	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23877B_11167944	Ca_Kabuli_Chr05	NC_021164.1	11167944	GG	CC	CC	INTRON	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23878B_11167948	Ca_Kabuli_Chr05	NC_021164.1	11167948	CC	TT	TT	INTRON	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23879B_11167975	Ca_Kabuli_Chr05	NC_021164.1	11167975	TT	CC	CC	INTRON	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23880B_11167977	Ca_Kabuli_Chr05	NC_021164.1	11167977	CC	AA	AA	INTRON	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23881B_11167986	Ca_Kabuli_Chr05	NC_021164.1	11167986	TT	GG	GG	INTRON	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23882B_11167997	Ca_Kabuli_Chr05	NC_021164.1	11167997	CC	GG	GG	INTRON	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23883B_11168012	Ca_Kabuli_Chr05	NC_021164.1	11168012	GG	AA	AA	INTRON	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23884B_11168022	Ca_Kabuli_Chr05	NC_021164.1	11168022	TT	CC	CC	INTRON	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23885B_11168046	Ca_Kabuli_Chr05	NC_021164.1	11168046	TT	AA	AA	INTRON	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23886B_11168052	Ca_Kabuli_Chr05	NC_021164.1	11168052	TT	CC	CC	INTRON	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23887B_11168115	Ca_Kabuli_Chr05	NC_021164.1	11168115	CC	TT	TT	INTRON	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23888B_11168142	Ca_Kabuli_Chr05	NC_021164.1	11168142	AA	TT	TT	INTRON	101509622	probable CCR4-associated factor 1 homolog 11

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_23889B_11168165	Ca_Kabuli_Chr05	NC_021164.1	11168165	GG	CC	CC	INTRON	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23890B_11168237	Ca_Kabuli_Chr05	NC_021164.1	11168237	AA	CC	CC	INTRON	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23891B_11168238	Ca_Kabuli_Chr05	NC_021164.1	11168238	AA	TT	TT	INTRON	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23893B_11168454	Ca_Kabuli_Chr05	NC_021164.1	11168454	TT	CC	CC	INTRON	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23894B_11168514	Ca_Kabuli_Chr05	NC_021164.1	11168514	GG	AA	AA	INTRON	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23895B_11168544	Ca_Kabuli_Chr05	NC_021164.1	11168544	GG	TT	TT	INTRON	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23896B_11168644	Ca_Kabuli_Chr05	NC_021164.1	11168644	TT	CC	CC	INTRON	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23897B_11168668	Ca_Kabuli_Chr05	NC_021164.1	11168668	GG	TT	TT	INTRON	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23898B_11168669	Ca_Kabuli_Chr05	NC_021164.1	11168669	AA	GG	GG	INTRON	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23899B_11168754	Ca_Kabuli_Chr05	NC_021164.1	11168754	AA	GG	GG	INTRON	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23900B_11168861	Ca_Kabuli_Chr05	NC_021164.1	11168861	GG	AA	AA	INTRON	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23901B_11168864	Ca_Kabuli_Chr05	NC_021164.1	11168864	TT	AA	AA	INTRON	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23902B_11168881	Ca_Kabuli_Chr05	NC_021164.1	11168881	CC	TT	TT	INTRON	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23903B_11168882	Ca_Kabuli_Chr05	NC_021164.1	11168882	CC	TT	TT	INTRON	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23905B_11168984	Ca_Kabuli_Chr05	NC_021164.1	11168984	AA	TT	TT	INTRON	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23906B_11168986	Ca_Kabuli_Chr05	NC_021164.1	11168986	CC	AA	AA	INTRON	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23908B_11169069	Ca_Kabuli_Chr05	NC_021164.1	11169069	GG	AA	AA	INTRON	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23909B_11169094	Ca_Kabuli_Chr05	NC_021164.1	11169094	GG	TT	TT	NON_SYNONYMOUS_CODING	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23910B_11169151	Ca_Kabuli_Chr05	NC_021164.1	11169151	AA	GG	GG	NON_SYNONYMOUS_CODING	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23911B_11169198	Ca_Kabuli_Chr05	NC_021164.1	11169198	CC	AA	AA	SYNONYMOUS_CODING	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23912B_11169218	Ca_Kabuli_Chr05	NC_021164.1	11169218	TT	CC	CC	NON_SYNONYMOUS_CODING	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23913B_11169228	Ca_Kabuli_Chr05	NC_021164.1	11169228	CC	TT	TT	SYNONYMOUS_CODING	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23914B_11169234	Ca_Kabuli_Chr05	NC_021164.1	11169234	AA	CC	CC	SYNONYMOUS_CODING	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23915B_11169282	Ca_Kabuli_Chr05	NC_021164.1	11169282	GG	AA	AA	SYNONYMOUS_CODING	101509622	probable CCR4-associated factor 1 homolog 11

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_23916B_11169372	Ca_Kabuli_Chr05	NC_021164.1	11169372	TT	CC	CC	SYNONYMOUS_CODING	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23917B_11169396	Ca_Kabuli_Chr05	NC_021164.1	11169396	CC	AA	AA	NON_SYNONYMOUS_CODING	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23918B_11169409	Ca_Kabuli_Chr05	NC_021164.1	11169409	AA	GG	GG	NON_SYNONYMOUS_CODING	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23919B_11169531	Ca_Kabuli_Chr05	NC_021164.1	11169531	TT	GG	GG	SYNONYMOUS_CODING	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23921B_11169550	Ca_Kabuli_Chr05	NC_021164.1	11169550	GG	TT	TT	NON_SYNONYMOUS_CODING	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23922B_11169552	Ca_Kabuli_Chr05	NC_021164.1	11169552	AA	GG	GG	SYNONYMOUS_CODING	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23923B_11169578	Ca_Kabuli_Chr05	NC_021164.1	11169578	CC	GG	GG	NON_SYNONYMOUS_CODING	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23924B_11169588	Ca_Kabuli_Chr05	NC_021164.1	11169588	CC	TT	TT	SYNONYMOUS_CODING	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23926B_11169627	Ca_Kabuli_Chr05	NC_021164.1	11169627	AA	CC	CC	SYNONYMOUS_CODING	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23927B_11169638	Ca_Kabuli_Chr05	NC_021164.1	11169638	AA	GG	GG	NON_SYNONYMOUS_CODING	101509622	probable CCR4-associated factor 1 homolog 11
SNP_23928B_11180493	Ca_Kabuli_Chr05	NC_021164.1	11180493	CC	TT	TT	INTERGENIC		
SNP_23929B_11181747	Ca_Kabuli_Chr05	NC_021164.1	11181747	TT	AA	AA	INTERGENIC		
SNP_23930B_11181769	Ca_Kabuli_Chr05	NC_021164.1	11181769	TT	AA	AA	INTERGENIC		
SNP_23931B_11181788	Ca_Kabuli_Chr05	NC_021164.1	11181788	CC	GG	GG	INTERGENIC		
SNP_23932B_11181865	Ca_Kabuli_Chr05	NC_021164.1	11181865	TT	CC	CC	INTERGENIC		
SNP_23933B_11182020	Ca_Kabuli_Chr05	NC_021164.1	11182020	AA	GG	GG	INTERGENIC		
SNP_23934B_11182140	Ca_Kabuli_Chr05	NC_021164.1	11182140	GG	TT	TT	INTERGENIC		
SNP_23935B_11182235	Ca_Kabuli_Chr05	NC_021164.1	11182235	CC	AA	AA	INTERGENIC		
SNP_23936B_11182506	Ca_Kabuli_Chr05	NC_021164.1	11182506	AA	TT	TT	INTERGENIC		
SNP_23937B_11182561	Ca_Kabuli_Chr05	NC_021164.1	11182561	TT	AA	AA	INTERGENIC		
SNP_23938B_11230713	Ca_Kabuli_Chr05	NC_021164.1	11230713	TT	CC	CC	INTERGENIC		
SNP_23939B_11232966	Ca_Kabuli_Chr05	NC_021164.1	11232966	GG	AA	AA	INTERGENIC		
SNP_23940B_11232984	Ca_Kabuli_Chr05	NC_021164.1	11232984	CC	AA	AA	INTERGENIC		
SNP_23941B_11233259	Ca_Kabuli_Chr05	NC_021164.1	11233259	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_23942B_11233456	Ca_Kabuli_Chr05	NC_021164.1	11233456	GG	TT	TT	INTERGENIC		
SNP_23943B_11235459	Ca_Kabuli_Chr05	NC_021164.1	11235459	CC	TT	TT	INTERGENIC		
SNP_23944B_11243728	Ca_Kabuli_Chr05	NC_021164.1	11243728	TT	CC	CC	INTERGENIC		
SNP_23945B_11243886	Ca_Kabuli_Chr05	NC_021164.1	11243886	CC	TT	TT	INTERGENIC		
SNP_23946B_11244028	Ca_Kabuli_Chr05	NC_021164.1	11244028	AA	CC	CC	INTERGENIC		
SNP_23947B_11244064	Ca_Kabuli_Chr05	NC_021164.1	11244064	GG	TT	TT	INTERGENIC		
SNP_23948B_11244084	Ca_Kabuli_Chr05	NC_021164.1	11244084	TT	CC	CC	INTERGENIC		
SNP_23949B_11244182	Ca_Kabuli_Chr05	NC_021164.1	11244182	AA	TT	TT	INTERGENIC		
SNP_23950B_11244241	Ca_Kabuli_Chr05	NC_021164.1	11244241	TT	GG	GG	INTERGENIC		
SNP_23951B_11271174	Ca_Kabuli_Chr05	NC_021164.1	11271174	GG	TT	TT	INTERGENIC		
SNP_23953B_11324668	Ca_Kabuli_Chr05	NC_021164.1	11324668	CC	TT	TT	INTERGENIC		
SNP_23954B_11346317	Ca_Kabuli_Chr05	NC_021164.1	11346317	TT	GG	GG	INTERGENIC		
SNP_23955B_11346428	Ca_Kabuli_Chr05	NC_021164.1	11346428	GG	CC	CC	INTERGENIC		
SNP_23956B_11346441	Ca_Kabuli_Chr05	NC_021164.1	11346441	TT	CC	CC	INTERGENIC		
SNP_23957B_11346647	Ca_Kabuli_Chr05	NC_021164.1	11346647	TT	CC	CC	INTERGENIC		
SNP_23958B_11346677	Ca_Kabuli_Chr05	NC_021164.1	11346677	AA	CC	CC	INTERGENIC		
SNP_23959B_11346683	Ca_Kabuli_Chr05	NC_021164.1	11346683	TT	CC	CC	INTERGENIC		
SNP_23960B_11346704	Ca_Kabuli_Chr05	NC_021164.1	11346704	GG	AA	AA	INTERGENIC		
SNP_23961B_11346760	Ca_Kabuli_Chr05	NC_021164.1	11346760	GG	TT	TT	INTERGENIC		
SNP_23962B_11346766	Ca_Kabuli_Chr05	NC_021164.1	11346766	AA	GG	GG	INTERGENIC		
SNP_23963B_11346825	Ca_Kabuli_Chr05	NC_021164.1	11346825	TT	CC	CC	INTERGENIC		
SNP_23965B_11420751	Ca_Kabuli_Chr05	NC_021164.1	11420751	AA	CC	CC	INTERGENIC		
SNP_23966B_11512541	Ca_Kabuli_Chr05	NC_021164.1	11512541	TT	CC	CC	INTERGENIC		
SNP_23967B_11512560	Ca_Kabuli_Chr05	NC_021164.1	11512560	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_23968B_11512585	Ca_Kabuli_Chr05	NC_021164.1	11512585	CC	TT	TT	INTERGENIC		
SNP_23969B_11512589	Ca_Kabuli_Chr05	NC_021164.1	11512589	AA	CC	CC	INTERGENIC		
SNP_23970B_11512617	Ca_Kabuli_Chr05	NC_021164.1	11512617	TT	CC	CC	INTERGENIC		
SNP_23971B_11512715	Ca_Kabuli_Chr05	NC_021164.1	11512715	GG	TT	TT	INTERGENIC		
SNP_23972B_11516009	Ca_Kabuli_Chr05	NC_021164.1	11516009	AA	GG	GG	INTERGENIC		
SNP_23973B_11516014	Ca_Kabuli_Chr05	NC_021164.1	11516014	CC	GG	GG	INTERGENIC		
SNP_23974B_11516070	Ca_Kabuli_Chr05	NC_021164.1	11516070	AA	CC	CC	INTERGENIC		
SNP_23975B_11516472	Ca_Kabuli_Chr05	NC_021164.1	11516472	GG	AA	AA	INTERGENIC		
SNP_23976B_11545381	Ca_Kabuli_Chr05	NC_021164.1	11545381	TT	AA	AA	INTERGENIC		
SNP_23977B_11572403	Ca_Kabuli_Chr05	NC_021164.1	11572403	TT	AA	AA	URR	101489196	Unknown function
SNP_23978B_11582978	Ca_Kabuli_Chr05	NC_021164.1	11582978	TT	GG	GG	INTERGENIC		
SNP_23979B_11582991	Ca_Kabuli_Chr05	NC_021164.1	11582991	CC	TT	TT	INTERGENIC		
SNP_23980B_11582994	Ca_Kabuli_Chr05	NC_021164.1	11582994	CC	AA	AA	INTERGENIC		
SNP_23981B_11605069	Ca_Kabuli_Chr05	NC_021164.1	11605069	TT	AA	AA	INTERGENIC		
SNP_23982B_11648799	Ca_Kabuli_Chr05	NC_021164.1	11648799	GG	AA	AA	INTERGENIC		
SNP_23983B_11667517	Ca_Kabuli_Chr05	NC_021164.1	11667517	TT	CC	CC	INTERGENIC		
SNP_23984B_11667531	Ca_Kabuli_Chr05	NC_021164.1	11667531	AA	GG	GG	INTERGENIC		
SNP_23985B_11667574	Ca_Kabuli_Chr05	NC_021164.1	11667574	TT	CC	CC	INTERGENIC		
SNP_23986B_11667919	Ca_Kabuli_Chr05	NC_021164.1	11667919	TT	GG	GG	INTERGENIC		
SNP_23987B_11687588	Ca_Kabuli_Chr05	NC_021164.1	11687588	AA	GG	GG	INTERGENIC		
SNP_23988B_11703849	Ca_Kabuli_Chr05	NC_021164.1	11703849	TT	AA	AA	INTERGENIC		
SNP_23989B_11703852	Ca_Kabuli_Chr05	NC_021164.1	11703852	AA	GG	GG	INTERGENIC		
SNP_23990B_11703872	Ca_Kabuli_Chr05	NC_021164.1	11703872	AA	GG	GG	INTERGENIC		
SNP_23991B_11703923	Ca_Kabuli_Chr05	NC_021164.1	11703923	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_23992B_11703947	Ca_Kabuli_Chr05	NC_021164.1	11703947	AA	TT	TT	INTERGENIC		
SNP_23993B_11703953	Ca_Kabuli_Chr05	NC_021164.1	11703953	GG	TT	TT	INTERGENIC		
SNP_23994B_11704287	Ca_Kabuli_Chr05	NC_021164.1	11704287	TT	CC	CC	INTERGENIC		
SNP_23995B_11704294	Ca_Kabuli_Chr05	NC_021164.1	11704294	CC	TT	TT	INTERGENIC		
SNP_23996B_11704315	Ca_Kabuli_Chr05	NC_021164.1	11704315	CC	TT	TT	INTERGENIC		
SNP_23997B_11721060	Ca_Kabuli_Chr05	NC_021164.1	11721060	GG	AA	AA	INTERGENIC		
SNP_23998B_11722285	Ca_Kabuli_Chr05	NC_021164.1	11722285	TT	AA	AA	INTERGENIC		
SNP_23999B_11727515	Ca_Kabuli_Chr05	NC_021164.1	11727515	TT	GG	GG	INTERGENIC		
SNP_24000B_11727588	Ca_Kabuli_Chr05	NC_021164.1	11727588	AA	GG	GG	INTERGENIC		
SNP_24001B_11727710	Ca_Kabuli_Chr05	NC_021164.1	11727710	CC	TT	TT	INTERGENIC		
SNP_24003B_11729551	Ca_Kabuli_Chr05	NC_021164.1	11729551	AA	GG	GG	INTERGENIC		
SNP_24004B_11729556	Ca_Kabuli_Chr05	NC_021164.1	11729556	AA	TT	TT	INTERGENIC		
SNP_24006B_11729839	Ca_Kabuli_Chr05	NC_021164.1	11729839	AA	GG	GG	INTERGENIC		
SNP_24007B_11823098	Ca_Kabuli_Chr05	NC_021164.1	11823098	GG	AA	AA	URR	101489523	ABC transporter C family member 12-like
SNP_24008B_11878903	Ca_Kabuli_Chr05	NC_021164.1	11878903	GG	TT	TT	INTERGENIC		
SNP_24010B_11900472	Ca_Kabuli_Chr05	NC_021164.1	11900472	TT	CC	CC	INTERGENIC		
SNP_24011B_11913322	Ca_Kabuli_Chr05	NC_021164.1	11913322	TT	CC	CC	INTERGENIC		
SNP_24012B_11913362	Ca_Kabuli_Chr05	NC_021164.1	11913362	TT	GG	GG	INTERGENIC		
SNP_24013B_11913390	Ca_Kabuli_Chr05	NC_021164.1	11913390	AA	GG	GG	INTERGENIC		
SNP_24014B_11913391	Ca_Kabuli_Chr05	NC_021164.1	11913391	GG	CC	CC	INTERGENIC		
SNP_24015B_11913408	Ca_Kabuli_Chr05	NC_021164.1	11913408	CC	TT	TT	INTERGENIC		
SNP_24016B_11927562	Ca_Kabuli_Chr05	NC_021164.1	11927562	CC	TT	TT	INTERGENIC		
SNP_24017B_11927570	Ca_Kabuli_Chr05	NC_021164.1	11927570	TT	CC	CC	INTERGENIC		
SNP_24018B_11979625	Ca_Kabuli_Chr05	NC_021164.1	11979625	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24020B_12091099	Ca_Kabuli_Chr05	NC_021164.1	12091099	AA	GG	GG	INTERGENIC		
SNP_24021B_12091100	Ca_Kabuli_Chr05	NC_021164.1	12091100	CC	TT	TT	INTERGENIC		
SNP_24022B_12091153	Ca_Kabuli_Chr05	NC_021164.1	12091153	GG	AA	AA	INTERGENIC		
SNP_24023B_12091167	Ca_Kabuli_Chr05	NC_021164.1	12091167	AA	GG	GG	INTERGENIC		
SNP_24024B_12091408	Ca_Kabuli_Chr05	NC_021164.1	12091408	AA	GG	GG	INTERGENIC		
SNP_24025B_12093621	Ca_Kabuli_Chr05	NC_021164.1	12093621	CC	AA	AA	INTERGENIC		
SNP_24026B_12093637	Ca_Kabuli_Chr05	NC_021164.1	12093637	TT	CC	CC	INTERGENIC		
SNP_24027B_12093639	Ca_Kabuli_Chr05	NC_021164.1	12093639	GG	AA	AA	INTERGENIC		
SNP_24028B_12093643	Ca_Kabuli_Chr05	NC_021164.1	12093643	TT	GG	GG	INTERGENIC		
SNP_24029B_12093649	Ca_Kabuli_Chr05	NC_021164.1	12093649	AA	GG	GG	INTERGENIC		
SNP_24030B_12093706	Ca_Kabuli_Chr05	NC_021164.1	12093706	TT	CC	CC	INTERGENIC		
SNP_24031B_12093747	Ca_Kabuli_Chr05	NC_021164.1	12093747	GG	AA	AA	INTERGENIC		
SNP_24032B_12093764	Ca_Kabuli_Chr05	NC_021164.1	12093764	GG	TT	TT	INTERGENIC		
SNP_24033B_12095769	Ca_Kabuli_Chr05	NC_021164.1	12095769	TT	CC	CC	INTERGENIC		
SNP_24035B_12095849	Ca_Kabuli_Chr05	NC_021164.1	12095849	TT	CC	CC	INTERGENIC		
SNP_24036B_12101420	Ca_Kabuli_Chr05	NC_021164.1	12101420	AA	GG	GG	URR	101505030	uncharacterized LOC101505030
SNP_24038B_12161736	Ca_Kabuli_Chr05	NC_021164.1	12161736	TT	CC	CC	INTERGENIC		
SNP_24039B_12161802	Ca_Kabuli_Chr05	NC_021164.1	12161802	GG	AA	AA	INTERGENIC		
SNP_24040B_12161933	Ca_Kabuli_Chr05	NC_021164.1	12161933	CC	GG	GG	INTERGENIC		
SNP_24041B_12272966	Ca_Kabuli_Chr05	NC_021164.1	12272966	TT	AA	AA	INTERGENIC		
SNP_24042B_12273385	Ca_Kabuli_Chr05	NC_021164.1	12273385	AA	CC	CC	INTERGENIC		
SNP_24043B_12273390	Ca_Kabuli_Chr05	NC_021164.1	12273390	CC	TT	TT	INTERGENIC		
SNP_24044B_12318714	Ca_Kabuli_Chr05	NC_021164.1	12318714	GG	AA	AA	INTERGENIC		
SNP_24045B_12318880	Ca_Kabuli_Chr05	NC_021164.1	12318880	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24046B_12360829	Ca_Kabuli_Chr05	NC_021164.1	12360829	GG	AA	AA	INTERGENIC		
SNP_24047B_12442308	Ca_Kabuli_Chr05	NC_021164.1	12442308	AA	GG	GG	URR	101497863	uncharacterized LOC101497863
SNP_24048B_12462023	Ca_Kabuli_Chr05	NC_021164.1	12462023	TT	CC	CC	INTERGENIC		
SNP_24049B_12473858	Ca_Kabuli_Chr05	NC_021164.1	12473858	GG	TT	TT	INTERGENIC		
SNP_24050B_12496390	Ca_Kabuli_Chr05	NC_021164.1	12496390	TT	GG	GG	DRR	101499379	protein RADIALIS-like 3
SNP_24051B_12496391	Ca_Kabuli_Chr05	NC_021164.1	12496391	TT	GG	GG	DRR	101499379	protein RADIALIS-like 3
SNP_24052B_12588682	Ca_Kabuli_Chr05	NC_021164.1	12588682	AA	CC	CC	INTRON	101500543	glycerophosphodiester phosphodiesterase GDPDL3-like
SNP_24053B_12588822	Ca_Kabuli_Chr05	NC_021164.1	12588822	AA	CC	CC	SYNONYMOUS_CODING	101500543	glycerophosphodiester phosphodiesterase GDPDL3-like
SNP_24054B_12588847	Ca_Kabuli_Chr05	NC_021164.1	12588847	GG	AA	AA	INTRON	101500543	glycerophosphodiester phosphodiesterase GDPDL3-like
SNP_24055B_12628453	Ca_Kabuli_Chr05	NC_021164.1	12628453	CC	TT	TT	DRR	101510809	receptor-like protein kinase FERONIA
SNP_24056B_12635305	Ca_Kabuli_Chr05	NC_021164.1	12635305	TT	CC	CC	INTERGENIC		
SNP_24057B_12658854	Ca_Kabuli_Chr05	NC_021164.1	12658854	AA	TT	TT	URR	101511439	receptor-like protein kinase FERONIA
SNP_24058B_12658868	Ca_Kabuli_Chr05	NC_021164.1	12658868	AA	TT	TT	URR	101511439	receptor-like protein kinase FERONIA
SNP_24059B_12658882	Ca_Kabuli_Chr05	NC_021164.1	12658882	CC	TT	TT	URR	101511439	receptor-like protein kinase FERONIA
SNP_24060B_12659177	Ca_Kabuli_Chr05	NC_021164.1	12659177	TT	GG	GG	URR	101511439	receptor-like protein kinase FERONIA
SNP_24061B_12659178	Ca_Kabuli_Chr05	NC_021164.1	12659178	AA	TT	TT	URR	101511439	receptor-like protein kinase FERONIA
SNP_24062B_12672873	Ca_Kabuli_Chr05	NC_021164.1	12672873	GG	AA	AA	INTERGENIC		
SNP_24063B_12672886	Ca_Kabuli_Chr05	NC_021164.1	12672886	CC	TT	TT	INTERGENIC		
SNP_24064B_12673242	Ca_Kabuli_Chr05	NC_021164.1	12673242	TT	CC	CC	INTERGENIC		
SNP_24065B_12673256	Ca_Kabuli_Chr05	NC_021164.1	12673256	AA	GG	GG	INTERGENIC		
SNP_24066B_12673284	Ca_Kabuli_Chr05	NC_021164.1	12673284	CC	TT	TT	INTERGENIC		
SNP_24067B_12673305	Ca_Kabuli_Chr05	NC_021164.1	12673305	AA	CC	CC	INTERGENIC		
SNP_24068B_13611760	Ca_Kabuli_Chr05	NC_021164.1	13611760	AA	GG	GG	INTERGENIC		
SNP_24069B_13611775	Ca_Kabuli_Chr05	NC_021164.1	13611775	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24070B_13611853	Ca_Kabuli_Chr05	NC_021164.1	13611853	AA	TT	TT	INTERGENIC		
SNP_24071B_13611905	Ca_Kabuli_Chr05	NC_021164.1	13611905	GG	AA	AA	INTERGENIC		
SNP_24072B_13612084	Ca_Kabuli_Chr05	NC_021164.1	13612084	CC	GG	GG	INTERGENIC		
SNP_24073B_13612107	Ca_Kabuli_Chr05	NC_021164.1	13612107	CC	TT	TT	INTERGENIC		
SNP_24074B_13612168	Ca_Kabuli_Chr05	NC_021164.1	13612168	GG	AA	AA	INTERGENIC		
SNP_24075B_13612188	Ca_Kabuli_Chr05	NC_021164.1	13612188	TT	CC	CC	INTERGENIC		
SNP_24076B_13612192	Ca_Kabuli_Chr05	NC_021164.1	13612192	GG	AA	AA	INTERGENIC		
SNP_24077B_13612212	Ca_Kabuli_Chr05	NC_021164.1	13612212	TT	CC	CC	INTERGENIC		
SNP_24078B_13612221	Ca_Kabuli_Chr05	NC_021164.1	13612221	AA	GG	GG	INTERGENIC		
SNP_24079B_13616029	Ca_Kabuli_Chr05	NC_021164.1	13616029	CC	TT	TT	INTERGENIC		
SNP_24080B_13623728	Ca_Kabuli_Chr05	NC_021164.1	13623728	AA	TT	TT	INTERGENIC		
SNP_24081B_13623833	Ca_Kabuli_Chr05	NC_021164.1	13623833	GG	AA	AA	INTERGENIC		
SNP_24082B_13623877	Ca_Kabuli_Chr05	NC_021164.1	13623877	AA	GG	GG	INTERGENIC		
SNP_24083B_13623898	Ca_Kabuli_Chr05	NC_021164.1	13623898	TT	GG	GG	INTERGENIC		
SNP_24084B_13623983	Ca_Kabuli_Chr05	NC_021164.1	13623983	GG	AA	AA	INTERGENIC		
SNP_24085B_13623989	Ca_Kabuli_Chr05	NC_021164.1	13623989	GG	CC	CC	INTERGENIC		
SNP_24086B_13624047	Ca_Kabuli_Chr05	NC_021164.1	13624047	AA	GG	GG	INTERGENIC		
SNP_24087B_13624077	Ca_Kabuli_Chr05	NC_021164.1	13624077	GG	AA	AA	INTERGENIC		
SNP_24089B_13624305	Ca_Kabuli_Chr05	NC_021164.1	13624305	TT	CC	CC	INTERGENIC		
SNP_24090B_13624307	Ca_Kabuli_Chr05	NC_021164.1	13624307	TT	AA	AA	INTERGENIC		
SNP_24091B_13628536	Ca_Kabuli_Chr05	NC_021164.1	13628536	GG	TT	TT	INTERGENIC		
SNP_24092B_13628746	Ca_Kabuli_Chr05	NC_021164.1	13628746	CC	AA	AA	INTERGENIC		
SNP_24093B_13628773	Ca_Kabuli_Chr05	NC_021164.1	13628773	CC	TT	TT	INTERGENIC		
SNP_24094B_13628789	Ca_Kabuli_Chr05	NC_021164.1	13628789	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24095B_13628974	Ca_Kabuli_Chr05	NC_021164.1	13628974	TT	AA	AA	INTERGENIC		
SNP_24096B_13629051	Ca_Kabuli_Chr05	NC_021164.1	13629051	CC	GG	GG	INTERGENIC		
SNP_24098B_13636558	Ca_Kabuli_Chr05	NC_021164.1	13636558	AA	CC	CC	INTERGENIC		
SNP_24099B_13636815	Ca_Kabuli_Chr05	NC_021164.1	13636815	TT	CC	CC	INTERGENIC		
SNP_24100B_13636910	Ca_Kabuli_Chr05	NC_021164.1	13636910	CC	GG	GG	INTERGENIC		
SNP_24102B_13637051	Ca_Kabuli_Chr05	NC_021164.1	13637051	AA	TT	TT	INTERGENIC		
SNP_24103B_13647436	Ca_Kabuli_Chr05	NC_021164.1	13647436	CC	AA	AA	INTERGENIC		
SNP_24104B_13650977	Ca_Kabuli_Chr05	NC_021164.1	13650977	TT	GG	AA	INTERGENIC		
SNP_24105B_13651179	Ca_Kabuli_Chr05	NC_021164.1	13651179	CC	TT	TT	INTERGENIC		
SNP_24106B_13651264	Ca_Kabuli_Chr05	NC_021164.1	13651264	AA	GG	GG	INTERGENIC		
SNP_24107B_13651299	Ca_Kabuli_Chr05	NC_021164.1	13651299	AA	GG	GG	INTERGENIC		
SNP_24108B_13675438	Ca_Kabuli_Chr05	NC_021164.1	13675438	GG	AA	AA	INTERGENIC		
SNP_24109B_13683442	Ca_Kabuli_Chr05	NC_021164.1	13683442	AA	TT	TT	INTERGENIC		
SNP_24110B_13695676	Ca_Kabuli_Chr05	NC_021164.1	13695676	TT	CC	CC	INTERGENIC		
SNP_24111B_13737536	Ca_Kabuli_Chr05	NC_021164.1	13737536	AA	GG	GG	INTERGENIC		
SNP_24112B_13737550	Ca_Kabuli_Chr05	NC_021164.1	13737550	TT	CC	CC	INTERGENIC		
SNP_24114B_13826378	Ca_Kabuli_Chr05	NC_021164.1	13826378	AA	GG	GG	INTERGENIC		
SNP_24115B_13826400	Ca_Kabuli_Chr05	NC_021164.1	13826400	AA	TT	TT	INTERGENIC		
SNP_24116B_13826404	Ca_Kabuli_Chr05	NC_021164.1	13826404	TT	AA	AA	INTERGENIC		
SNP_24117B_13826406	Ca_Kabuli_Chr05	NC_021164.1	13826406	AA	TT	TT	INTERGENIC		
SNP_24118B_13826413	Ca_Kabuli_Chr05	NC_021164.1	13826413	TT	GG	GG	INTERGENIC		
SNP_24119B_13826419	Ca_Kabuli_Chr05	NC_021164.1	13826419	AA	CC	CC	INTERGENIC		
SNP_24120B_13837553	Ca_Kabuli_Chr05	NC_021164.1	13837553	AA	GG	GG	URR	101513386	uncharacterized LOC101513386
SNP_24121B_13838445	Ca_Kabuli_Chr05	NC_021164.1	13838445	AA	GG	GG	URR	101494381	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24122B_13838453	Ca_Kabuli_Chr05	NC_021164.1	13838453	TT	CC	CC	URR	101494381	Unknown function
SNP_24123B_13854583	Ca_Kabuli_Chr05	NC_021164.1	13854583	TT	CC	CC	INTERGENIC		
SNP_24124B_13854592	Ca_Kabuli_Chr05	NC_021164.1	13854592	TT	CC	CC	INTERGENIC		
SNP_24125B_13854614	Ca_Kabuli_Chr05	NC_021164.1	13854614	AA	GG	GG	INTERGENIC		
SNP_24126B_13854627	Ca_Kabuli_Chr05	NC_021164.1	13854627	AA	GG	GG	INTERGENIC		
SNP_24127B_13854631	Ca_Kabuli_Chr05	NC_021164.1	13854631	GG	AA	AA	INTERGENIC		
SNP_24128B_13854652	Ca_Kabuli_Chr05	NC_021164.1	13854652	GG	AA	AA	INTERGENIC		
SNP_24129B_13854655	Ca_Kabuli_Chr05	NC_021164.1	13854655	TT	CC	CC	INTERGENIC		
SNP_24130B_13854663	Ca_Kabuli_Chr05	NC_021164.1	13854663	TT	GG	GG	INTERGENIC		
SNP_24131B_13854694	Ca_Kabuli_Chr05	NC_021164.1	13854694	CC	AA	AA	INTERGENIC		
SNP_24132B_13854730	Ca_Kabuli_Chr05	NC_021164.1	13854730	GG	AA	AA	INTERGENIC		
SNP_24134B_13854751	Ca_Kabuli_Chr05	NC_021164.1	13854751	CC	AA	AA	INTERGENIC		
SNP_24135B_13854757	Ca_Kabuli_Chr05	NC_021164.1	13854757	CC	TT	TT	INTERGENIC		
SNP_24136B_13854775	Ca_Kabuli_Chr05	NC_021164.1	13854775	TT	AA	AA	INTERGENIC		
SNP_24137B_13855484	Ca_Kabuli_Chr05	NC_021164.1	13855484	AA	GG	GG	INTERGENIC		
SNP_24138B_13855569	Ca_Kabuli_Chr05	NC_021164.1	13855569	TT	AA	AA	INTERGENIC		
SNP_24139B_13855650	Ca_Kabuli_Chr05	NC_021164.1	13855650	TT	CC	CC	INTERGENIC		
SNP_24140B_13855720	Ca_Kabuli_Chr05	NC_021164.1	13855720	CC	AA	AA	INTERGENIC		
SNP_24141B_13855736	Ca_Kabuli_Chr05	NC_021164.1	13855736	AA	TT	TT	INTERGENIC		
SNP_24142B_13855892	Ca_Kabuli_Chr05	NC_021164.1	13855892	TT	CC	CC	INTERGENIC		
SNP_24143B_13856038	Ca_Kabuli_Chr05	NC_021164.1	13856038	TT	GG	GG	INTERGENIC		
SNP_24144B_13856113	Ca_Kabuli_Chr05	NC_021164.1	13856113	AA	GG	GG	INTERGENIC		
SNP_24145B_13856199	Ca_Kabuli_Chr05	NC_021164.1	13856199	AA	GG	GG	INTERGENIC		
SNP_24146B_13856393	Ca_Kabuli_Chr05	NC_021164.1	13856393	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24147B_13858149	Ca_Kabuli_Chr05	NC_021164.1	13858149	GG	AA	AA	INTERGENIC		
SNP_24148B_13858475	Ca_Kabuli_Chr05	NC_021164.1	13858475	GG	AA	AA	INTERGENIC		
SNP_24149B_13892549	Ca_Kabuli_Chr05	NC_021164.1	13892549	CC	TT	TT	INTERGENIC		
SNP_24150B_13892575	Ca_Kabuli_Chr05	NC_021164.1	13892575	AA	GG	GG	INTERGENIC		
SNP_24151B_13892590	Ca_Kabuli_Chr05	NC_021164.1	13892590	AA	GG	GG	INTERGENIC		
SNP_24152B_13892637	Ca_Kabuli_Chr05	NC_021164.1	13892637	TT	CC	CC	INTERGENIC		
SNP_24153B_13892648	Ca_Kabuli_Chr05	NC_021164.1	13892648	GG	TT	TT	INTERGENIC		
SNP_24154B_13892670	Ca_Kabuli_Chr05	NC_021164.1	13892670	CC	TT	TT	INTERGENIC		
SNP_24155B_13892699	Ca_Kabuli_Chr05	NC_021164.1	13892699	AA	GG	GG	INTERGENIC		
SNP_24156B_13892711	Ca_Kabuli_Chr05	NC_021164.1	13892711	AA	GG	GG	INTERGENIC		
SNP_24157B_13892969	Ca_Kabuli_Chr05	NC_021164.1	13892969	CC	TT	TT	INTERGENIC		
SNP_24158B_13893013	Ca_Kabuli_Chr05	NC_021164.1	13893013	TT	CC	CC	INTERGENIC		
SNP_24159B_13893036	Ca_Kabuli_Chr05	NC_021164.1	13893036	TT	CC	CC	INTERGENIC		
SNP_24160B_13893112	Ca_Kabuli_Chr05	NC_021164.1	13893112	GG	AA	AA	INTERGENIC		
SNP_24161B_13893161	Ca_Kabuli_Chr05	NC_021164.1	13893161	AA	CC	CC	INTERGENIC		
SNP_24162B_13936232	Ca_Kabuli_Chr05	NC_021164.1	13936232	AA	CC	CC	INTERGENIC		
SNP_24163B_13936250	Ca_Kabuli_Chr05	NC_021164.1	13936250	AA	GG	GG	INTERGENIC		
SNP_24164B_13936923	Ca_Kabuli_Chr05	NC_021164.1	13936923	GG	AA	AA	INTERGENIC		
SNP_24165B_13939179	Ca_Kabuli_Chr05	NC_021164.1	13939179	GG	CC	CC	INTERGENIC		
SNP_24166B_13939195	Ca_Kabuli_Chr05	NC_021164.1	13939195	TT	AA	AA	INTERGENIC		
SNP_24167B_13939232	Ca_Kabuli_Chr05	NC_021164.1	13939232	AA	CC	CC	INTERGENIC		
SNP_24168B_13939251	Ca_Kabuli_Chr05	NC_021164.1	13939251	GG	CC	CC	INTERGENIC		
SNP_24169B_13939270	Ca_Kabuli_Chr05	NC_021164.1	13939270	AA	GG	GG	INTERGENIC		
SNP_24170B_13939286	Ca_Kabuli_Chr05	NC_021164.1	13939286	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24171B_13939383	Ca_Kabuli_Chr05	NC_021164.1	13939383	GG	CC	CC	INTERGENIC		
SNP_24172B_13939465	Ca_Kabuli_Chr05	NC_021164.1	13939465	AA	CC	CC	INTERGENIC		
SNP_24175B_13972029	Ca_Kabuli_Chr05	NC_021164.1	13972029	TT	CC	CC	INTRON	101513699	G-type lectin S-receptor-like serine/threonine-protein kinase SD1-1
SNP_24176B_13972686	Ca_Kabuli_Chr05	NC_021164.1	13972686	AA	GG	GG	INTRON	101513699	G-type lectin S-receptor-like serine/threonine-protein kinase SD1-1
SNP_24177B_14018190	Ca_Kabuli_Chr05	NC_021164.1	14018190	AA	GG	GG	INTERGENIC		
SNP_24178B_14020378	Ca_Kabuli_Chr05	NC_021164.1	14020378	AA	GG	GG	INTERGENIC		
SNP_24180B_14022690	Ca_Kabuli_Chr05	NC_021164.1	14022690	TT	CC	CC	INTERGENIC		
SNP_24181B_14022906	Ca_Kabuli_Chr05	NC_021164.1	14022906	AA	GG	GG	INTERGENIC		
SNP_24182B_14058224	Ca_Kabuli_Chr05	NC_021164.1	14058224	CC	TT	TT	INTERGENIC		
SNP_24183B_14058233	Ca_Kabuli_Chr05	NC_021164.1	14058233	CC	TT	TT	INTERGENIC		
SNP_24184B_14058275	Ca_Kabuli_Chr05	NC_021164.1	14058275	TT	AA	AA	INTERGENIC		
SNP_24185B_14058299	Ca_Kabuli_Chr05	NC_021164.1	14058299	TT	CC	CC	INTERGENIC		
SNP_24186B_14058315	Ca_Kabuli_Chr05	NC_021164.1	14058315	CC	TT	TT	INTERGENIC		
SNP_24187B_14058329	Ca_Kabuli_Chr05	NC_021164.1	14058329	GG	AA	AA	INTERGENIC		
SNP_24188B_14058360	Ca_Kabuli_Chr05	NC_021164.1	14058360	GG	AA	AA	INTERGENIC		
SNP_24189B_14058363	Ca_Kabuli_Chr05	NC_021164.1	14058363	TT	CC	CC	INTERGENIC		
SNP_24190B_14058380	Ca_Kabuli_Chr05	NC_021164.1	14058380	TT	AA	AA	INTERGENIC		
SNP_24191B_14058384	Ca_Kabuli_Chr05	NC_021164.1	14058384	CC	AA	AA	INTERGENIC		
SNP_24192B_14058398	Ca_Kabuli_Chr05	NC_021164.1	14058398	CC	TT	TT	INTERGENIC		
SNP_24193B_14058557	Ca_Kabuli_Chr05	NC_021164.1	14058557	CC	AA	AA	INTERGENIC		
SNP_24194B_14058678	Ca_Kabuli_Chr05	NC_021164.1	14058678	AA	CC	CC	INTERGENIC		
SNP_24195B_14059493	Ca_Kabuli_Chr05	NC_021164.1	14059493	GG	TT	TT	INTERGENIC		
SNP_24196B_14272964	Ca_Kabuli_Chr05	NC_021164.1	14272964	GG	AA	AA	INTERGENIC		
SNP_24197B_14273342	Ca_Kabuli_Chr05	NC_021164.1	14273342	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24198B_14273343	Ca_Kabuli_Chr05	NC_021164.1	14273343	AA	GG	GG	INTERGENIC		
SNP_24201B_14394944	Ca_Kabuli_Chr05	NC_021164.1	14394944	CC	TT	TT	INTERGENIC		
SNP_24202B_14394979	Ca_Kabuli_Chr05	NC_021164.1	14394979	TT	CC	CC	INTERGENIC		
SNP_24203B_14395026	Ca_Kabuli_Chr05	NC_021164.1	14395026	TT	CC	CC	INTERGENIC		
SNP_24204B_14395028	Ca_Kabuli_Chr05	NC_021164.1	14395028	TT	CC	CC	INTERGENIC		
SNP_24205B_14395043	Ca_Kabuli_Chr05	NC_021164.1	14395043	AA	CC	CC	INTERGENIC		
SNP_24206B_14395108	Ca_Kabuli_Chr05	NC_021164.1	14395108	AA	CC	CC	INTERGENIC		
SNP_24207B_14395132	Ca_Kabuli_Chr05	NC_021164.1	14395132	TT	CC	CC	INTERGENIC		
SNP_24208B_14395139	Ca_Kabuli_Chr05	NC_021164.1	14395139	TT	CC	CC	INTERGENIC		
SNP_24209B_14395217	Ca_Kabuli_Chr05	NC_021164.1	14395217	CC	TT	TT	INTERGENIC		
SNP_24210B_14395272	Ca_Kabuli_Chr05	NC_021164.1	14395272	TT	CC	CC	INTERGENIC		
SNP_24211B_14395286	Ca_Kabuli_Chr05	NC_021164.1	14395286	CC	TT	TT	INTERGENIC		
SNP_24212B_14395334	Ca_Kabuli_Chr05	NC_021164.1	14395334	TT	AA	AA	INTERGENIC		
SNP_24213B_14395347	Ca_Kabuli_Chr05	NC_021164.1	14395347	AA	TT	TT	INTERGENIC		
SNP_24214B_14395372	Ca_Kabuli_Chr05	NC_021164.1	14395372	CC	GG	GG	INTERGENIC		
SNP_24215B_14395437	Ca_Kabuli_Chr05	NC_021164.1	14395437	CC	TT	TT	INTERGENIC		
SNP_24216B_15126450	Ca_Kabuli_Chr05	NC_021164.1	15126450	GG	TT	TT	INTERGENIC		
SNP_24217B_15126573	Ca_Kabuli_Chr05	NC_021164.1	15126573	TT	AA	AA	INTERGENIC		
SNP_24218B_15162884	Ca_Kabuli_Chr05	NC_021164.1	15162884	GG	AA	AA	INTERGENIC		
SNP_24219B_15166612	Ca_Kabuli_Chr05	NC_021164.1	15166612	TT	CC	CC	DRR	101501284	Unknown function
SNP_24220B_15166626	Ca_Kabuli_Chr05	NC_021164.1	15166626	AA	CC	CC	DRR	101501284	Unknown function
SNP_24221B_15170912	Ca_Kabuli_Chr05	NC_021164.1	15170912	GG	AA	AA	URR	101501284	Unknown function
SNP_24222B_15205030	Ca_Kabuli_Chr05	NC_021164.1	15205030	AA	GG	GG	INTERGENIC		
SNP_24223B_15205033	Ca_Kabuli_Chr05	NC_021164.1	15205033	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24224B_15205070	Ca_Kabuli_Chr05	NC_021164.1	15205070	AA	GG	GG	INTERGENIC		
SNP_24225B_15205076	Ca_Kabuli_Chr05	NC_021164.1	15205076	GG	TT	TT	INTERGENIC		
SNP_24226B_15205145	Ca_Kabuli_Chr05	NC_021164.1	15205145	GG	AA	AA	INTERGENIC		
SNP_24227B_15205166	Ca_Kabuli_Chr05	NC_021164.1	15205166	CC	AA	AA	INTERGENIC		
SNP_24228B_15205180	Ca_Kabuli_Chr05	NC_021164.1	15205180	CC	TT	TT	INTERGENIC		
SNP_24229B_15205486	Ca_Kabuli_Chr05	NC_021164.1	15205486	TT	GG	GG	INTERGENIC		
SNP_24230B_15205493	Ca_Kabuli_Chr05	NC_021164.1	15205493	AA	GG	GG	INTERGENIC		
SNP_24231B_15205659	Ca_Kabuli_Chr05	NC_021164.1	15205659	GG	CC	CC	INTERGENIC		
SNP_24232B_15205736	Ca_Kabuli_Chr05	NC_021164.1	15205736	TT	GG	GG	INTERGENIC		
SNP_24233B_15205767	Ca_Kabuli_Chr05	NC_021164.1	15205767	GG	TT	TT	INTERGENIC		
SNP_24234B_15205786	Ca_Kabuli_Chr05	NC_021164.1	15205786	TT	GG	GG	INTERGENIC		
SNP_24235B_15362485	Ca_Kabuli_Chr05	NC_021164.1	15362485	TT	AA	AA	INTERGENIC		
SNP_24236B_15362529	Ca_Kabuli_Chr05	NC_021164.1	15362529	GG	AA	AA	INTERGENIC		
SNP_24237B_15363023	Ca_Kabuli_Chr05	NC_021164.1	15363023	CC	TT	TT	INTERGENIC		
SNP_24238B_15363031	Ca_Kabuli_Chr05	NC_021164.1	15363031	TT	CC	CC	INTERGENIC		
SNP_24239B_15417246	Ca_Kabuli_Chr05	NC_021164.1	15417246	CC	GG	GG	INTERGENIC		
SNP_24240B_15417248	Ca_Kabuli_Chr05	NC_021164.1	15417248	GG	TT	TT	INTERGENIC		
SNP_24241B_15417251	Ca_Kabuli_Chr05	NC_021164.1	15417251	AA	CC	CC	INTERGENIC		
SNP_24242B_15417274	Ca_Kabuli_Chr05	NC_021164.1	15417274	CC	GG	GG	INTERGENIC		
SNP_24243B_15417286	Ca_Kabuli_Chr05	NC_021164.1	15417286	TT	CC	CC	INTERGENIC		
SNP_24244B_15417313	Ca_Kabuli_Chr05	NC_021164.1	15417313	GG	AA	AA	INTERGENIC		
SNP_24245B_15417315	Ca_Kabuli_Chr05	NC_021164.1	15417315	TT	AA	AA	INTERGENIC		
SNP_24246B_15417317	Ca_Kabuli_Chr05	NC_021164.1	15417317	TT	CC	CC	INTERGENIC		
SNP_24247B_15417363	Ca_Kabuli_Chr05	NC_021164.1	15417363	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24248B_15417981	Ca_Kabuli_Chr05	NC_021164.1	15417981	CC	TT	TT	INTERGENIC		
SNP_24249B_15422625	Ca_Kabuli_Chr05	NC_021164.1	15422625	TT	GG	GG	URR	101502246	uncharacterized LOC101502246
SNP_24250B_15422985	Ca_Kabuli_Chr05	NC_021164.1	15422985	AA	GG	GG	URR	101502246	uncharacterized LOC101502246
SNP_24251B_15424560	Ca_Kabuli_Chr05	NC_021164.1	15424560	CC	TT	TT	DRR	101498617	Unknown function
SNP_24252B_15424561	Ca_Kabuli_Chr05	NC_021164.1	15424561	AA	GG	GG	DRR	101498617	Unknown function
SNP_24253B_15424586	Ca_Kabuli_Chr05	NC_021164.1	15424586	GG	CC	CC	DRR	101498617	Unknown function
SNP_24254B_15424626	Ca_Kabuli_Chr05	NC_021164.1	15424626	AA	GG	GG	DRR	101498617	Unknown function
SNP_24255B_15424649	Ca_Kabuli_Chr05	NC_021164.1	15424649	AA	GG	GG	DRR	101498617	Unknown function
SNP_24256B_15424705	Ca_Kabuli_Chr05	NC_021164.1	15424705	TT	GG	GG	DRR	101498617	Unknown function
SNP_24257B_15424728	Ca_Kabuli_Chr05	NC_021164.1	15424728	AA	GG	GG	DRR	101498617	Unknown function
SNP_24258B_15424974	Ca_Kabuli_Chr05	NC_021164.1	15424974	AA	GG	GG	DRR	101498617	Unknown function
SNP_24259B_15424997	Ca_Kabuli_Chr05	NC_021164.1	15424997	CC	AA	AA	DRR	101498617	Unknown function
SNP_24260B_15448131	Ca_Kabuli_Chr05	NC_021164.1	15448131	GG	AA	AA	INTERGENIC		
SNP_24261B_15503474	Ca_Kabuli_Chr05	NC_021164.1	15503474	GG	AA	AA	INTRON	101503207	anthranilate synthase alpha subunit 1, chloroplastic-like
SNP_24262B_15503491	Ca_Kabuli_Chr05	NC_021164.1	15503491	GG	AA	AA	INTRON	101503207	anthranilate synthase alpha subunit 1, chloroplastic-like
SNP_24263B_15511389	Ca_Kabuli_Chr05	NC_021164.1	15511389	TT	AA	AA	INTERGENIC		
SNP_24264B_15511983	Ca_Kabuli_Chr05	NC_021164.1	15511983	AA	GG	GG	INTERGENIC		
SNP_24265B_15526431	Ca_Kabuli_Chr05	NC_021164.1	15526431	TT	AA	AA	INTERGENIC		
SNP_24266B_15526483	Ca_Kabuli_Chr05	NC_021164.1	15526483	TT	CC	CC	INTERGENIC		
SNP_24267B_15533821	Ca_Kabuli_Chr05	NC_021164.1	15533821	TT	AA	AA	INTERGENIC		
SNP_24268B_15535240	Ca_Kabuli_Chr05	NC_021164.1	15535240	GG	AA	AA	INTERGENIC		
SNP_24269B_15545994	Ca_Kabuli_Chr05	NC_021164.1	15545994	GG	AA	AA	INTERGENIC		
SNP_24270B_15546009	Ca_Kabuli_Chr05	NC_021164.1	15546009	TT	CC	CC	INTERGENIC		
SNP_24271B_15570853	Ca_Kabuli_Chr05	NC_021164.1	15570853	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24272B_15587146	Ca_Kabuli_Chr05	NC_021164.1	15587146	TT	AA	AA	INTERGENIC		
SNP_24273B_15754804	Ca_Kabuli_Chr05	NC_021164.1	15754804	CC	AA	AA	INTERGENIC		
SNP_24275B_15795284	Ca_Kabuli_Chr05	NC_021164.1	15795284	AA	GG	GG	INTERGENIC		
SNP_24276B_15803978	Ca_Kabuli_Chr05	NC_021164.1	15803978	AA	CC	CC	INTERGENIC		
SNP_24277B_15835203	Ca_Kabuli_Chr05	NC_021164.1	15835203	CC	AA	AA	INTERGENIC		
SNP_24278B_15835278	Ca_Kabuli_Chr05	NC_021164.1	15835278	TT	CC	CC	INTERGENIC		
SNP_24279B_15835338	Ca_Kabuli_Chr05	NC_021164.1	15835338	AA	GG	GG	INTERGENIC		
SNP_24280B_15835352	Ca_Kabuli_Chr05	NC_021164.1	15835352	TT	CC	CC	INTERGENIC		
SNP_24281B_15862598	Ca_Kabuli_Chr05	NC_021164.1	15862598	TT	AA	AA	INTERGENIC		
SNP_24282B_15877053	Ca_Kabuli_Chr05	NC_021164.1	15877053	GG	CC	CC	INTERGENIC		
SNP_24283B_15877056	Ca_Kabuli_Chr05	NC_021164.1	15877056	GG	CC	CC	INTERGENIC		
SNP_24284B_15877077	Ca_Kabuli_Chr05	NC_021164.1	15877077	AA	GG	GG	INTERGENIC		
SNP_24285B_15877242	Ca_Kabuli_Chr05	NC_021164.1	15877242	TT	AA	AA	INTERGENIC		
SNP_24286B_15877335	Ca_Kabuli_Chr05	NC_021164.1	15877335	TT	CC	CC	INTERGENIC		
SNP_24287B_15893308	Ca_Kabuli_Chr05	NC_021164.1	15893308	CC	TT	TT	INTERGENIC		
SNP_24288B_15893411	Ca_Kabuli_Chr05	NC_021164.1	15893411	CC	TT	TT	INTERGENIC		
SNP_24289B_15894720	Ca_Kabuli_Chr05	NC_021164.1	15894720	TT	AA	AA	INTERGENIC		
SNP_24290B_15908497	Ca_Kabuli_Chr05	NC_021164.1	15908497	AA	GG	GG	INTERGENIC		
SNP_24291B_15908521	Ca_Kabuli_Chr05	NC_021164.1	15908521	CC	TT	TT	INTERGENIC		
SNP_24292B_15908523	Ca_Kabuli_Chr05	NC_021164.1	15908523	CC	TT	TT	INTERGENIC		
SNP_24293B_15908535	Ca_Kabuli_Chr05	NC_021164.1	15908535	GG	AA	AA	INTERGENIC		
SNP_24294B_15910620	Ca_Kabuli_Chr05	NC_021164.1	15910620	GG	AA	AA	INTERGENIC		
SNP_24295B_15910628	Ca_Kabuli_Chr05	NC_021164.1	15910628	GG	AA	AA	INTERGENIC		
SNP_24296B_15910634	Ca_Kabuli_Chr05	NC_021164.1	15910634	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24297B_15910869	Ca_Kabuli_Chr05	NC_021164.1	15910869	CC	AA	AA	INTERGENIC		
SNP_24298B_15910947	Ca_Kabuli_Chr05	NC_021164.1	15910947	GG	AA	AA	INTERGENIC		
SNP_24300B_15929285	Ca_Kabuli_Chr05	NC_021164.1	15929285	CC	TT	TT	INTERGENIC		
SNP_24301B_15929288	Ca_Kabuli_Chr05	NC_021164.1	15929288	TT	AA	AA	INTERGENIC		
SNP_24302B_15929617	Ca_Kabuli_Chr05	NC_021164.1	15929617	AA	CC	CC	INTERGENIC		
SNP_24303B_15929658	Ca_Kabuli_Chr05	NC_021164.1	15929658	AA	TT	TT	INTERGENIC		
SNP_24304B_15931178	Ca_Kabuli_Chr05	NC_021164.1	15931178	AA	GG	GG	INTERGENIC		
SNP_24305B_15936778	Ca_Kabuli_Chr05	NC_021164.1	15936778	CC	TT	TT	INTERGENIC		
SNP_24306B_16005498	Ca_Kabuli_Chr05	NC_021164.1	16005498	TT	CC	CC	INTERGENIC		
SNP_24307B_16005551	Ca_Kabuli_Chr05	NC_021164.1	16005551	TT	CC	CC	INTERGENIC		
SNP_24308B_16022067	Ca_Kabuli_Chr05	NC_021164.1	16022067	TT	CC	CC	INTERGENIC		
SNP_24309B_16022728	Ca_Kabuli_Chr05	NC_021164.1	16022728	TT	CC	CC	INTERGENIC		
SNP_24310B_16083241	Ca_Kabuli_Chr05	NC_021164.1	16083241	AA	GG	GG	INTERGENIC		
SNP_24311B_16083267	Ca_Kabuli_Chr05	NC_021164.1	16083267	GG	AA	AA	INTERGENIC		
SNP_24312B_16083460	Ca_Kabuli_Chr05	NC_021164.1	16083460	TT	CC	CC	INTERGENIC		
SNP_24313B_16083503	Ca_Kabuli_Chr05	NC_021164.1	16083503	TT	GG	GG	INTERGENIC		
SNP_24314B_16083504	Ca_Kabuli_Chr05	NC_021164.1	16083504	TT	CC	CC	INTERGENIC		
SNP_24315B_16083549	Ca_Kabuli_Chr05	NC_021164.1	16083549	TT	AA	AA	INTERGENIC		
SNP_24316B_16083613	Ca_Kabuli_Chr05	NC_021164.1	16083613	AA	GG	GG	INTERGENIC		
SNP_24317B_16113664	Ca_Kabuli_Chr05	NC_021164.1	16113664	TT	CC	CC	INTERGENIC		
SNP_24318B_16152144	Ca_Kabuli_Chr05	NC_021164.1	16152144	GG	TT	TT	INTERGENIC		
SNP_24319B_16152239	Ca_Kabuli_Chr05	NC_021164.1	16152239	GG	AA	AA	INTERGENIC		
SNP_24320B_16152299	Ca_Kabuli_Chr05	NC_021164.1	16152299	AA	TT	TT	INTERGENIC		
SNP_24321B_16152304	Ca_Kabuli_Chr05	NC_021164.1	16152304	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24322B_16152340	Ca_Kabuli_Chr05	NC_021164.1	16152340	AA	GG	GG	INTERGENIC		
SNP_24323B_16152444	Ca_Kabuli_Chr05	NC_021164.1	16152444	TT	CC	CC	INTERGENIC		
SNP_24324B_16230576	Ca_Kabuli_Chr05	NC_021164.1	16230576	AA	CC	CC	INTERGENIC		
SNP_24325B_16230633	Ca_Kabuli_Chr05	NC_021164.1	16230633	CC	AA	AA	INTERGENIC		
SNP_24326B_16319742	Ca_Kabuli_Chr05	NC_021164.1	16319742	TT	CC	CC	INTERGENIC		
SNP_24327B_16319897	Ca_Kabuli_Chr05	NC_021164.1	16319897	GG	CC	CC	INTERGENIC		
SNP_24329B_16320123	Ca_Kabuli_Chr05	NC_021164.1	16320123	AA	CC	CC	INTERGENIC		
SNP_24330B_16322032	Ca_Kabuli_Chr05	NC_021164.1	16322032	AA	GG	GG	INTERGENIC		
SNP_24331B_16322048	Ca_Kabuli_Chr05	NC_021164.1	16322048	AA	TT	TT	INTERGENIC		
SNP_24332B_16322082	Ca_Kabuli_Chr05	NC_021164.1	16322082	TT	CC	CC	INTERGENIC		
SNP_24333B_16361368	Ca_Kabuli_Chr05	NC_021164.1	16361368	AA	GG	GG	INTERGENIC		
SNP_24334B_16361532	Ca_Kabuli_Chr05	NC_021164.1	16361532	GG	AA	AA	INTERGENIC		
SNP_24336B_16500064	Ca_Kabuli_Chr05	NC_021164.1	16500064	TT	CC	CC	INTERGENIC		
SNP_24337B_16551859	Ca_Kabuli_Chr05	NC_021164.1	16551859	TT	CC	CC	INTERGENIC		
SNP_24338B_16636111	Ca_Kabuli_Chr05	NC_021164.1	16636111	AA	GG	GG	INTERGENIC		
SNP_24339B_16650646	Ca_Kabuli_Chr05	NC_021164.1	16650646	AA	GG	GG	INTERGENIC		
SNP_24340B_16663245	Ca_Kabuli_Chr05	NC_021164.1	16663245	AA	GG	GG	INTERGENIC		
SNP_24341B_16703465	Ca_Kabuli_Chr05	NC_021164.1	16703465	AA	GG	GG	INTERGENIC		
SNP_24342B_16703469	Ca_Kabuli_Chr05	NC_021164.1	16703469	AA	GG	GG	INTERGENIC		
SNP_24343B_16703494	Ca_Kabuli_Chr05	NC_021164.1	16703494	TT	CC	CC	INTERGENIC		
SNP_24344B_16703701	Ca_Kabuli_Chr05	NC_021164.1	16703701	TT	CC	CC	INTERGENIC		
SNP_24347B_16766060	Ca_Kabuli_Chr05	NC_021164.1	16766060	GG	TT	TT	URR	101493641	pentatricopeptide repeat-containing protein At1g80270, mitochondrial-like
SNP_24348B_16766130	Ca_Kabuli_Chr05	NC_021164.1	16766130	AA	TT	TT	INTERGENIC		
SNP_24349B_16766132	Ca_Kabuli_Chr05	NC_021164.1	16766132	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24350B_16766167	Ca_Kabuli_Chr05	NC_021164.1	16766167	CC	GG	GG	INTERGENIC		
SNP_24351B_16766978	Ca_Kabuli_Chr05	NC_021164.1	16766978	AA	TT	TT	INTERGENIC		
SNP_24352B_16767958	Ca_Kabuli_Chr05	NC_021164.1	16767958	GG	TT	TT	INTERGENIC		
SNP_24353B_16767965	Ca_Kabuli_Chr05	NC_021164.1	16767965	AA	GG	GG	INTERGENIC		
SNP_24354B_16863799	Ca_Kabuli_Chr05	NC_021164.1	16863799	AA	CC	CC	INTERGENIC		
SNP_24355B_16863986	Ca_Kabuli_Chr05	NC_021164.1	16863986	TT	CC	CC	INTERGENIC		
SNP_24356B_16865795	Ca_Kabuli_Chr05	NC_021164.1	16865795	CC	TT	TT	INTERGENIC		
SNP_24357B_16878790	Ca_Kabuli_Chr05	NC_021164.1	16878790	AA	CC	CC	INTERGENIC		
SNP_24358B_16920589	Ca_Kabuli_Chr05	NC_021164.1	16920589	CC	TT	TT	INTERGENIC		
SNP_24360B_16948672	Ca_Kabuli_Chr05	NC_021164.1	16948672	AA	CC	CC	INTERGENIC		
SNP_24361B_16949252	Ca_Kabuli_Chr05	NC_021164.1	16949252	AA	GG	GG	INTERGENIC		
SNP_24362B_16957706	Ca_Kabuli_Chr05	NC_021164.1	16957706	GG	AA	AA	INTERGENIC		
SNP_24363B_16958100	Ca_Kabuli_Chr05	NC_021164.1	16958100	GG	AA	AA	INTERGENIC		
SNP_24364B_16995629	Ca_Kabuli_Chr05	NC_021164.1	16995629	CC	TT	TT	INTERGENIC		
SNP_24365B_17012385	Ca_Kabuli_Chr05	NC_021164.1	17012385	GG	AA	AA	INTERGENIC		
SNP_24366B_17012608	Ca_Kabuli_Chr05	NC_021164.1	17012608	GG	AA	AA	INTERGENIC		
SNP_24367B_17012635	Ca_Kabuli_Chr05	NC_021164.1	17012635	TT	CC	CC	INTERGENIC		
SNP_24368B_17012653	Ca_Kabuli_Chr05	NC_021164.1	17012653	AA	GG	GG	INTERGENIC		
SNP_24369B_17012665	Ca_Kabuli_Chr05	NC_021164.1	17012665	GG	AA	AA	INTERGENIC		
SNP_24370B_17012686	Ca_Kabuli_Chr05	NC_021164.1	17012686	TT	AA	AA	INTERGENIC		
SNP_24371B_17012701	Ca_Kabuli_Chr05	NC_021164.1	17012701	CC	TT	TT	INTERGENIC		
SNP_24372B_17012708	Ca_Kabuli_Chr05	NC_021164.1	17012708	CC	TT	TT	INTERGENIC		
SNP_24373B_17012740	Ca_Kabuli_Chr05	NC_021164.1	17012740	AA	GG	GG	INTERGENIC		
SNP_24374B_17020456	Ca_Kabuli_Chr05	NC_021164.1	17020456	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24375B_17035780	Ca_Kabuli_Chr05	NC_021164.1	17035780	GG	AA	AA	INTERGENIC		
SNP_24377B_17056653	Ca_Kabuli_Chr05	NC_021164.1	17056653	TT	GG	GG	INTERGENIC		
SNP_24378B_17062990	Ca_Kabuli_Chr05	NC_021164.1	17062990	CC	TT	TT	INTERGENIC		
SNP_24379B_17063013	Ca_Kabuli_Chr05	NC_021164.1	17063013	AA	GG	GG	INTERGENIC		
SNP_24380B_17063047	Ca_Kabuli_Chr05	NC_021164.1	17063047	AA	GG	GG	INTERGENIC		
SNP_24381B_17063048	Ca_Kabuli_Chr05	NC_021164.1	17063048	AA	GG	GG	INTERGENIC		
SNP_24382B_17063068	Ca_Kabuli_Chr05	NC_021164.1	17063068	AA	GG	GG	INTERGENIC		
SNP_24383B_17063129	Ca_Kabuli_Chr05	NC_021164.1	17063129	TT	AA	AA	INTERGENIC		
SNP_24384B_17233803	Ca_Kabuli_Chr05	NC_021164.1	17233803	AA	GG	GG	INTERGENIC		
SNP_24385B_17233854	Ca_Kabuli_Chr05	NC_021164.1	17233854	AA	TT	TT	INTERGENIC		
SNP_24386B_17233872	Ca_Kabuli_Chr05	NC_021164.1	17233872	CC	TT	TT	INTERGENIC		
SNP_24387B_17233881	Ca_Kabuli_Chr05	NC_021164.1	17233881	CC	TT	TT	INTERGENIC		
SNP_24388B_17233897	Ca_Kabuli_Chr05	NC_021164.1	17233897	AA	GG	GG	INTERGENIC		
SNP_24389B_17233907	Ca_Kabuli_Chr05	NC_021164.1	17233907	GG	AA	AA	INTERGENIC		
SNP_24390B_17233968	Ca_Kabuli_Chr05	NC_021164.1	17233968	AA	GG	GG	INTERGENIC		
SNP_24391B_17233976	Ca_Kabuli_Chr05	NC_021164.1	17233976	GG	AA	AA	INTERGENIC		
SNP_24392B_17233989	Ca_Kabuli_Chr05	NC_021164.1	17233989	TT	CC	CC	INTERGENIC		
SNP_24393B_17233995	Ca_Kabuli_Chr05	NC_021164.1	17233995	AA	GG	GG	INTERGENIC		
SNP_24394B_17234235	Ca_Kabuli_Chr05	NC_021164.1	17234235	CC	TT	TT	INTERGENIC		
SNP_24395B_17234361	Ca_Kabuli_Chr05	NC_021164.1	17234361	CC	AA	AA	INTERGENIC		
SNP_24396B_17234362	Ca_Kabuli_Chr05	NC_021164.1	17234362	AA	GG	GG	INTERGENIC		
SNP_24397B_17234704	Ca_Kabuli_Chr05	NC_021164.1	17234704	GG	AA	AA	INTERGENIC		
SNP_24398B_17234740	Ca_Kabuli_Chr05	NC_021164.1	17234740	TT	CC	CC	INTERGENIC		
SNP_24399B_17234746	Ca_Kabuli_Chr05	NC_021164.1	17234746	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24400B_17239539	Ca_Kabuli_Chr05	NC_021164.1	17239539	CC	TT	TT	INTERGENIC		
SNP_24401B_17239623	Ca_Kabuli_Chr05	NC_021164.1	17239623	GG	AA	AA	INTERGENIC		
SNP_24402B_17241041	Ca_Kabuli_Chr05	NC_021164.1	17241041	GG	AA	AA	INTERGENIC		
SNP_24403B_17244321	Ca_Kabuli_Chr05	NC_021164.1	17244321	AA	TT	TT	INTERGENIC		
SNP_24405B_17254721	Ca_Kabuli_Chr05	NC_021164.1	17254721	TT	GG	GG	INTERGENIC		
SNP_24406B_17254791	Ca_Kabuli_Chr05	NC_021164.1	17254791	TT	CC	CC	INTERGENIC		
SNP_24407B_17254825	Ca_Kabuli_Chr05	NC_021164.1	17254825	TT	AA	AA	INTERGENIC		
SNP_24409B_17323827	Ca_Kabuli_Chr05	NC_021164.1	17323827	AA	GG	GG	INTERGENIC		
SNP_24410B_17324019	Ca_Kabuli_Chr05	NC_021164.1	17324019	AA	TT	CC	INTERGENIC		
SNP_24411B_17324112	Ca_Kabuli_Chr05	NC_021164.1	17324112	CC	TT	TT	INTERGENIC		
SNP_24412B_17324113	Ca_Kabuli_Chr05	NC_021164.1	17324113	AA	TT	TT	INTERGENIC		
SNP_24413B_17324168	Ca_Kabuli_Chr05	NC_021164.1	17324168	GG	TT	TT	INTERGENIC		
SNP_24414B_17324224	Ca_Kabuli_Chr05	NC_021164.1	17324224	TT	CC	CC	INTERGENIC		
SNP_24415B_17369906	Ca_Kabuli_Chr05	NC_021164.1	17369906	CC	TT	TT	INTERGENIC		
SNP_24416B_17369908	Ca_Kabuli_Chr05	NC_021164.1	17369908	AA	TT	TT	INTERGENIC		
SNP_24417B_17369954	Ca_Kabuli_Chr05	NC_021164.1	17369954	GG	AA	AA	INTERGENIC		
SNP_24418B_17382597	Ca_Kabuli_Chr05	NC_021164.1	17382597	AA	GG	GG	INTERGENIC		
SNP_24420B_17450330	Ca_Kabuli_Chr05	NC_021164.1	17450330	AA	TT	TT	INTERGENIC		
SNP_24421B_17463174	Ca_Kabuli_Chr05	NC_021164.1	17463174	AA	GG	GG	INTERGENIC		
SNP_24422B_17482654	Ca_Kabuli_Chr05	NC_021164.1	17482654	AA	GG	GG	INTERGENIC		
SNP_24423B_17494731	Ca_Kabuli_Chr05	NC_021164.1	17494731	AA	CC	CC	INTERGENIC		
SNP_24424B_17494742	Ca_Kabuli_Chr05	NC_021164.1	17494742	TT	GG	GG	INTERGENIC		
SNP_24425B_17494750	Ca_Kabuli_Chr05	NC_021164.1	17494750	GG	AA	AA	INTERGENIC		
SNP_24426B_17494840	Ca_Kabuli_Chr05	NC_021164.1	17494840	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24428B_17494898	Ca_Kabuli_Chr05	NC_021164.1	17494898	AA	GG	GG	INTERGENIC		
SNP_24429B_17510319	Ca_Kabuli_Chr05	NC_021164.1	17510319	CC	TT	TT	INTERGENIC		
SNP_24431B_17542853	Ca_Kabuli_Chr05	NC_021164.1	17542853	AA	TT	TT	INTERGENIC		
SNP_24432B_17543069	Ca_Kabuli_Chr05	NC_021164.1	17543069	AA	TT	TT	INTERGENIC		
SNP_24433B_17575494	Ca_Kabuli_Chr05	NC_021164.1	17575494	CC	TT	TT	INTERGENIC		
SNP_24434B_17575524	Ca_Kabuli_Chr05	NC_021164.1	17575524	AA	CC	CC	INTERGENIC		
SNP_24435B_17575527	Ca_Kabuli_Chr05	NC_021164.1	17575527	AA	GG	GG	INTERGENIC		
SNP_24436B_17595567	Ca_Kabuli_Chr05	NC_021164.1	17595567	GG	AA	AA	INTERGENIC		
SNP_24438B_17595840	Ca_Kabuli_Chr05	NC_021164.1	17595840	AA	GG	GG	INTERGENIC		
SNP_24439B_17612347	Ca_Kabuli_Chr05	NC_021164.1	17612347	TT	AA	AA	INTERGENIC		
SNP_24440B_17612381	Ca_Kabuli_Chr05	NC_021164.1	17612381	AA	GG	GG	INTERGENIC		
SNP_24441B_17612405	Ca_Kabuli_Chr05	NC_021164.1	17612405	CC	AA	AA	INTERGENIC		
SNP_24442B_17612495	Ca_Kabuli_Chr05	NC_021164.1	17612495	CC	TT	TT	INTERGENIC		
SNP_24443B_17612559	Ca_Kabuli_Chr05	NC_021164.1	17612559	GG	AA	AA	INTERGENIC		
SNP_24444B_17612680	Ca_Kabuli_Chr05	NC_021164.1	17612680	TT	AA	AA	INTERGENIC		
SNP_24445B_17612718	Ca_Kabuli_Chr05	NC_021164.1	17612718	TT	AA	AA	INTERGENIC		
SNP_24446B_17612758	Ca_Kabuli_Chr05	NC_021164.1	17612758	AA	GG	GG	INTERGENIC		
SNP_24447B_17633202	Ca_Kabuli_Chr05	NC_021164.1	17633202	AA	GG	GG	INTERGENIC		
SNP_24448B_17672076	Ca_Kabuli_Chr05	NC_021164.1	17672076	CC	GG	GG	URR	101498503	pentatricopeptide repeat-containing protein At3g53170-like
SNP_24449B_17672092	Ca_Kabuli_Chr05	NC_021164.1	17672092	GG	AA	AA	URR	101498503	pentatricopeptide repeat-containing protein At3g53170-like
SNP_24450B_17672137	Ca_Kabuli_Chr05	NC_021164.1	17672137	AA	GG	GG	URR	101498503	pentatricopeptide repeat-containing protein At3g53170-like
SNP_24451B_17672148	Ca_Kabuli_Chr05	NC_021164.1	17672148	TT	CC	CC	URR	101498503	pentatricopeptide repeat-containing protein At3g53170-like
SNP_24452B_17672406	Ca_Kabuli_Chr05	NC_021164.1	17672406	GG	AA	AA	INTERGENIC		
SNP_24453B_17672420	Ca_Kabuli_Chr05	NC_021164.1	17672420	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24454B_17693889	Ca_Kabuli_Chr05	NC_021164.1	17693889	TT	CC	CC	INTERGENIC		
SNP_24455B_17693891	Ca_Kabuli_Chr05	NC_021164.1	17693891	TT	CC	CC	INTERGENIC		
SNP_24456B_17693892	Ca_Kabuli_Chr05	NC_021164.1	17693892	TT	CC	CC	INTERGENIC		
SNP_24457B_17693909	Ca_Kabuli_Chr05	NC_021164.1	17693909	CC	TT	TT	INTERGENIC		
SNP_24458B_17693922	Ca_Kabuli_Chr05	NC_021164.1	17693922	CC	AA	AA	INTERGENIC		
SNP_24459B_17694337	Ca_Kabuli_Chr05	NC_021164.1	17694337	AA	CC	CC	INTERGENIC		
SNP_24461B_17797996	Ca_Kabuli_Chr05	NC_021164.1	17797996	AA	GG	GG	DRR	101499173	polyamine oxidase 1
SNP_24462B_17848749	Ca_Kabuli_Chr05	NC_021164.1	17848749	AA	CC	CC	INTERGENIC		
SNP_24463B_17867151	Ca_Kabuli_Chr05	NC_021164.1	17867151	AA	CC	CC	INTRON	id100317	Unknown function
SNP_24464B_17867384	Ca_Kabuli_Chr05	NC_021164.1	17867384	CC	TT	TT	INTRON	id100317	Unknown function
SNP_24465B_17867397	Ca_Kabuli_Chr05	NC_021164.1	17867397	CC	TT	TT	INTRON	id100317	Unknown function
SNP_24466B_17867556	Ca_Kabuli_Chr05	NC_021164.1	17867556	TT	CC	AA	INTRON	id100317	Unknown function
SNP_24467B_17867787	Ca_Kabuli_Chr05	NC_021164.1	17867787	CC	AA	AA	INTRON	id100317	Unknown function
SNP_24468B_17867916	Ca_Kabuli_Chr05	NC_021164.1	17867916	GG	TT	TT	INTRON	id100317	Unknown function
SNP_24470B_17876545	Ca_Kabuli_Chr05	NC_021164.1	17876545	GG	AA	AA	URR	101504268	Unknown function
SNP_24471B_17876608	Ca_Kabuli_Chr05	NC_021164.1	17876608	AA	CC	CC	URR	101504268	Unknown function
SNP_24472B_17876611	Ca_Kabuli_Chr05	NC_021164.1	17876611	TT	AA	AA	URR	101504268	Unknown function
SNP_24474B_17877144	Ca_Kabuli_Chr05	NC_021164.1	17877144	TT	CC	CC	URR	101504268	Unknown function
SNP_24475B_17899682	Ca_Kabuli_Chr05	NC_021164.1	17899682	TT	AA	AA	INTERGENIC		
SNP_24476B_17899727	Ca_Kabuli_Chr05	NC_021164.1	17899727	AA	TT	TT	INTERGENIC		
SNP_24477B_17900074	Ca_Kabuli_Chr05	NC_021164.1	17900074	AA	TT	TT	INTERGENIC		
SNP_24478B_17922055	Ca_Kabuli_Chr05	NC_021164.1	17922055	TT	AA	AA	INTERGENIC		
SNP_24480B_18062620	Ca_Kabuli_Chr05	NC_021164.1	18062620	CC	TT	TT	DRR	101509081	uncharacterized LOC101509081
SNP_24481B_18078976	Ca_Kabuli_Chr05	NC_021164.1	18078976	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24482B_18079120	Ca_Kabuli_Chr05	NC_021164.1	18079120	CC	TT	TT	INTERGENIC		
SNP_24484B_18201139	Ca_Kabuli_Chr05	NC_021164.1	18201139	AA	CC	CC	INTERGENIC		
SNP_24485B_18258033	Ca_Kabuli_Chr05	NC_021164.1	18258033	TT	CC	CC	URR	101510710	uncharacterized LOC101510710
SNP_24486B_18258035	Ca_Kabuli_Chr05	NC_021164.1	18258035	AA	GG	GG	URR	101510710	uncharacterized LOC101510710
SNP_24487B_18258041	Ca_Kabuli_Chr05	NC_021164.1	18258041	CC	TT	TT	URR	101510710	uncharacterized LOC101510710
SNP_24488B_18282873	Ca_Kabuli_Chr05	NC_021164.1	18282873	AA	CC	CC	INTERGENIC		
SNP_24489B_18282875	Ca_Kabuli_Chr05	NC_021164.1	18282875	TT	GG	GG	INTERGENIC		
SNP_24490B_18282916	Ca_Kabuli_Chr05	NC_021164.1	18282916	TT	CC	CC	INTERGENIC		
SNP_24491B_18282944	Ca_Kabuli_Chr05	NC_021164.1	18282944	TT	CC	CC	INTERGENIC		
SNP_24492B_18282952	Ca_Kabuli_Chr05	NC_021164.1	18282952	CC	TT	TT	INTERGENIC		
SNP_24493B_18282985	Ca_Kabuli_Chr05	NC_021164.1	18282985	CC	TT	TT	INTERGENIC		
SNP_24494B_18282988	Ca_Kabuli_Chr05	NC_021164.1	18282988	GG	AA	AA	INTERGENIC		
SNP_24495B_18282997	Ca_Kabuli_Chr05	NC_021164.1	18282997	TT	CC	CC	INTERGENIC		
SNP_24496B_18283009	Ca_Kabuli_Chr05	NC_021164.1	18283009	GG	AA	AA	INTERGENIC		
SNP_24497B_18283197	Ca_Kabuli_Chr05	NC_021164.1	18283197	TT	CC	CC	INTERGENIC		
SNP_24498B_18283237	Ca_Kabuli_Chr05	NC_021164.1	18283237	AA	GG	GG	INTERGENIC		
SNP_24499B_18285826	Ca_Kabuli_Chr05	NC_021164.1	18285826	CC	TT	TT	INTERGENIC		
SNP_24500B_18285911	Ca_Kabuli_Chr05	NC_021164.1	18285911	AA	CC	TT	INTERGENIC		
SNP_24501B_18314132	Ca_Kabuli_Chr05	NC_021164.1	18314132	CC	TT	TT	INTERGENIC		
SNP_24502B_18314465	Ca_Kabuli_Chr05	NC_021164.1	18314465	TT	CC	CC	INTERGENIC		
SNP_24503B_18314495	Ca_Kabuli_Chr05	NC_021164.1	18314495	TT	GG	GG	INTERGENIC		
SNP_24504B_18314500	Ca_Kabuli_Chr05	NC_021164.1	18314500	GG	CC	CC	INTERGENIC		
SNP_24505B_18314599	Ca_Kabuli_Chr05	NC_021164.1	18314599	CC	TT	AA	INTERGENIC		
SNP_24506B_18319890	Ca_Kabuli_Chr05	NC_021164.1	18319890	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24507B_18320214	Ca_Kabuli_Chr05	NC_021164.1	18320214	GG	AA	AA	INTERGENIC		
SNP_24508B_18320245	Ca_Kabuli_Chr05	NC_021164.1	18320245	TT	AA	AA	INTERGENIC		
SNP_24509B_18320280	Ca_Kabuli_Chr05	NC_021164.1	18320280	AA	GG	GG	INTERGENIC		
SNP_24510B_18325015	Ca_Kabuli_Chr05	NC_021164.1	18325015	AA	GG	GG	INTERGENIC		
SNP_24511B_18325448	Ca_Kabuli_Chr05	NC_021164.1	18325448	TT	CC	CC	INTERGENIC		
SNP_24512B_18325955	Ca_Kabuli_Chr05	NC_021164.1	18325955	GG	TT	TT	INTERGENIC		
SNP_24513B_18327177	Ca_Kabuli_Chr05	NC_021164.1	18327177	AA	GG	GG	INTERGENIC		
SNP_24514B_18327194	Ca_Kabuli_Chr05	NC_021164.1	18327194	AA	GG	GG	INTERGENIC		
SNP_24515B_18327231	Ca_Kabuli_Chr05	NC_021164.1	18327231	GG	TT	TT	INTERGENIC		
SNP_24516B_18556712	Ca_Kabuli_Chr05	NC_021164.1	18556712	GG	TT	TT	URR	101512314	pentatricopeptide repeat-containing protein At4g32430, mitochondrial-like
SNP_24517B_18562039	Ca_Kabuli_Chr05	NC_021164.1	18562039	GG	AA	AA	INTERGENIC		
SNP_24518B_18590368	Ca_Kabuli_Chr05	NC_021164.1	18590368	TT	AA	AA	INTERGENIC		
SNP_24519B_18590395	Ca_Kabuli_Chr05	NC_021164.1	18590395	TT	AA	AA	INTERGENIC		
SNP_24520B_18590427	Ca_Kabuli_Chr05	NC_021164.1	18590427	GG	TT	TT	INTERGENIC		
SNP_24521B_18590661	Ca_Kabuli_Chr05	NC_021164.1	18590661	CC	TT	TT	INTERGENIC		
SNP_24522B_18590833	Ca_Kabuli_Chr05	NC_021164.1	18590833	TT	CC	CC	INTERGENIC		
SNP_24523B_18592479	Ca_Kabuli_Chr05	NC_021164.1	18592479	TT	CC	CC	INTERGENIC		
SNP_24524B_18593104	Ca_Kabuli_Chr05	NC_021164.1	18593104	AA	GG	GG	INTERGENIC		
SNP_24525B_18593110	Ca_Kabuli_Chr05	NC_021164.1	18593110	AA	GG	GG	INTERGENIC		
SNP_24526B_18593146	Ca_Kabuli_Chr05	NC_021164.1	18593146	AA	GG	GG	INTERGENIC		
SNP_24527B_18593178	Ca_Kabuli_Chr05	NC_021164.1	18593178	TT	GG	GG	INTERGENIC		
SNP_24528B_18593202	Ca_Kabuli_Chr05	NC_021164.1	18593202	AA	GG	GG	INTERGENIC		
SNP_24529B_18593223	Ca_Kabuli_Chr05	NC_021164.1	18593223	TT	GG	GG	INTERGENIC		
SNP_24530B_18593365	Ca_Kabuli_Chr05	NC_021164.1	18593365	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24531B_18593403	Ca_Kabuli_Chr05	NC_021164.1	18593403	AA	GG	GG	INTERGENIC		
SNP_24532B_18593649	Ca_Kabuli_Chr05	NC_021164.1	18593649	GG	CC	CC	INTERGENIC		
SNP_24533B_18593736	Ca_Kabuli_Chr05	NC_021164.1	18593736	AA	GG	GG	INTERGENIC		
SNP_24534B_18593780	Ca_Kabuli_Chr05	NC_021164.1	18593780	AA	GG	GG	INTERGENIC		
SNP_24535B_18593830	Ca_Kabuli_Chr05	NC_021164.1	18593830	GG	AA	AA	INTERGENIC		
SNP_24536B_18593958	Ca_Kabuli_Chr05	NC_021164.1	18593958	AA	GG	GG	INTERGENIC		
SNP_24537B_18594132	Ca_Kabuli_Chr05	NC_021164.1	18594132	GG	TT	TT	INTERGENIC		
SNP_24538B_18678592	Ca_Kabuli_Chr05	NC_021164.1	18678592	TT	GG	GG	URR	101489841	Unknown function
SNP_24539B_18678615	Ca_Kabuli_Chr05	NC_021164.1	18678615	TT	CC	CC	URR	101489841	Unknown function
SNP_24540B_18678649	Ca_Kabuli_Chr05	NC_021164.1	18678649	AA	GG	GG	URR	101489841	Unknown function
SNP_24541B_18678701	Ca_Kabuli_Chr05	NC_021164.1	18678701	AA	CC	CC	URR	101489841	Unknown function
SNP_24542B_18678703	Ca_Kabuli_Chr05	NC_021164.1	18678703	GG	CC	CC	URR	101489841	Unknown function
SNP_24543B_18678723	Ca_Kabuli_Chr05	NC_021164.1	18678723	AA	CC	CC	URR	101489841	Unknown function
SNP_24544B_18678736	Ca_Kabuli_Chr05	NC_021164.1	18678736	AA	CC	CC	URR	101489841	Unknown function
SNP_24545B_18678773	Ca_Kabuli_Chr05	NC_021164.1	18678773	GG	CC	CC	URR	101489841	Unknown function
SNP_24546B_18679655	Ca_Kabuli_Chr05	NC_021164.1	18679655	AA	GG	GG	URR	101489841	Unknown function
SNP_24547B_18679660	Ca_Kabuli_Chr05	NC_021164.1	18679660	GG	CC	CC	URR	101489841	Unknown function
SNP_24548B_18682979	Ca_Kabuli_Chr05	NC_021164.1	18682979	AA	CC	CC	INTERGENIC		
SNP_24549B_18683064	Ca_Kabuli_Chr05	NC_021164.1	18683064	TT	CC	CC	INTERGENIC		
SNP_24550B_18683156	Ca_Kabuli_Chr05	NC_021164.1	18683156	TT	CC	CC	NON_SYNONYMOUS_CODING	id100502	Unknown function
SNP_24551B_18683174	Ca_Kabuli_Chr05	NC_021164.1	18683174	AA	GG	GG	NON_SYNONYMOUS_CODING	id100502	Unknown function
SNP_24553B_18683922	Ca_Kabuli_Chr05	NC_021164.1	18683922	AA	TT	TT	NON_SYNONYMOUS_CODING	id100502	Unknown function
SNP_24554B_18683950	Ca_Kabuli_Chr05	NC_021164.1	18683950	TT	CC	CC	NON_SYNONYMOUS_CODING	id100502	Unknown function
SNP_24555B_18684021	Ca_Kabuli_Chr05	NC_021164.1	18684021	CC	TT	TT	NON_SYNONYMOUS_CODING	id100502	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24556B_18684035	Ca_Kabuli_Chr05	NC_021164.1	18684035	AA	GG	GG	SYNONYMOUS_CODING	id100502	Unknown function
SNP_24557B_18694592	Ca_Kabuli_Chr05	NC_021164.1	18694592	CC	TT	TT	INTERGENIC		
SNP_24558B_18794069	Ca_Kabuli_Chr05	NC_021164.1	18794069	AA	GG	GG	INTERGENIC		
SNP_24559B_18794142	Ca_Kabuli_Chr05	NC_021164.1	18794142	TT	CC	CC	INTERGENIC		
SNP_24560B_18794162	Ca_Kabuli_Chr05	NC_021164.1	18794162	TT	CC	CC	INTERGENIC		
SNP_24561B_18820942	Ca_Kabuli_Chr05	NC_021164.1	18820942	TT	CC	CC	URR	101490170	uncharacterized LOC101490170
SNP_24562B_18820952	Ca_Kabuli_Chr05	NC_021164.1	18820952	TT	AA	AA	URR	101490170	uncharacterized LOC101490170
SNP_24563B_18869370	Ca_Kabuli_Chr05	NC_021164.1	18869370	TT	CC	CC	INTERGENIC		
SNP_24564B_18898511	Ca_Kabuli_Chr05	NC_021164.1	18898511	CC	TT	TT	URR	101489524	cleavage and polyadenylation specificity factor subunit 2
SNP_24565B_18923780	Ca_Kabuli_Chr05	NC_021164.1	18923780	AA	GG	GG	INTERGENIC		
SNP_24566B_18944209	Ca_Kabuli_Chr05	NC_021164.1	18944209	CC	TT	TT	INTERGENIC		
SNP_24567B_18944273	Ca_Kabuli_Chr05	NC_021164.1	18944273	GG	AA	AA	INTERGENIC		
SNP_24568B_18944292	Ca_Kabuli_Chr05	NC_021164.1	18944292	AA	TT	TT	INTERGENIC		
SNP_24569B_18944340	Ca_Kabuli_Chr05	NC_021164.1	18944340	CC	TT	TT	INTERGENIC		
SNP_24570B_18944364	Ca_Kabuli_Chr05	NC_021164.1	18944364	TT	GG	GG	INTERGENIC		
SNP_24571B_18944501	Ca_Kabuli_Chr05	NC_021164.1	18944501	CC	TT	TT	INTERGENIC		
SNP_24572B_18944543	Ca_Kabuli_Chr05	NC_021164.1	18944543	AA	CC	CC	INTERGENIC		
SNP_24573B_18944547	Ca_Kabuli_Chr05	NC_021164.1	18944547	GG	CC	CC	INTERGENIC		
SNP_24575B_18944719	Ca_Kabuli_Chr05	NC_021164.1	18944719	TT	AA	AA	INTERGENIC		
SNP_24576B_18944725	Ca_Kabuli_Chr05	NC_021164.1	18944725	TT	GG	GG	INTERGENIC		
SNP_24578B_19305394	Ca_Kabuli_Chr05	NC_021164.1	19305394	GG	AA	AA	INTERGENIC		
SNP_24579B_19375013	Ca_Kabuli_Chr05	NC_021164.1	19375013	GG	CC	CC	INTERGENIC		
SNP_24580B_19375042	Ca_Kabuli_Chr05	NC_021164.1	19375042	CC	AA	AA	INTERGENIC		
SNP_24581B_19375062	Ca_Kabuli_Chr05	NC_021164.1	19375062	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24582B_19375063	Ca_Kabuli_Chr05	NC_021164.1	19375063	AA	CC	CC	INTERGENIC		
SNP_24583B_19386682	Ca_Kabuli_Chr05	NC_021164.1	19386682	TT	AA	AA	INTERGENIC		
SNP_24584B_19399641	Ca_Kabuli_Chr05	NC_021164.1	19399641	GG	AA	AA	INTERGENIC		
SNP_24585B_19458061	Ca_Kabuli_Chr05	NC_021164.1	19458061	CC	TT	TT	URR	101492093	uncharacterized LOC101492093
SNP_24586B_19477902	Ca_Kabuli_Chr05	NC_021164.1	19477902	AA	GG	GG	INTERGENIC		
SNP_24587B_19477905	Ca_Kabuli_Chr05	NC_021164.1	19477905	AA	TT	TT	INTERGENIC		
SNP_24588B_19478219	Ca_Kabuli_Chr05	NC_021164.1	19478219	TT	AA	AA	INTERGENIC		
SNP_24589B_19482511	Ca_Kabuli_Chr05	NC_021164.1	19482511	AA	GG	GG	INTERGENIC		
SNP_24590B_19482888	Ca_Kabuli_Chr05	NC_021164.1	19482888	AA	GG	GG	INTERGENIC		
SNP_24591B_19498331	Ca_Kabuli_Chr05	NC_021164.1	19498331	GG	TT	TT	INTERGENIC		
SNP_24592B_19498586	Ca_Kabuli_Chr05	NC_021164.1	19498586	AA	GG	GG	INTERGENIC		
SNP_24593B_19498588	Ca_Kabuli_Chr05	NC_021164.1	19498588	AA	GG	GG	INTERGENIC		
SNP_24594B_19498610	Ca_Kabuli_Chr05	NC_021164.1	19498610	CC	TT	TT	INTERGENIC		
SNP_24595B_19498649	Ca_Kabuli_Chr05	NC_021164.1	19498649	TT	CC	CC	INTERGENIC		
SNP_24596B_19498692	Ca_Kabuli_Chr05	NC_021164.1	19498692	AA	GG	GG	INTERGENIC		
SNP_24597B_19516883	Ca_Kabuli_Chr05	NC_021164.1	19516883	TT	GG	GG	INTERGENIC		
SNP_24598B_19528633	Ca_Kabuli_Chr05	NC_021164.1	19528633	AA	TT	TT	INTERGENIC		
SNP_24599B_19531083	Ca_Kabuli_Chr05	NC_021164.1	19531083	AA	GG	GG	INTERGENIC		
SNP_24600B_19533810	Ca_Kabuli_Chr05	NC_021164.1	19533810	TT	GG	GG	INTERGENIC		
SNP_24601B_19533992	Ca_Kabuli_Chr05	NC_021164.1	19533992	CC	TT	TT	INTERGENIC		
SNP_24602B_19534218	Ca_Kabuli_Chr05	NC_021164.1	19534218	CC	TT	TT	INTERGENIC		
SNP_24603B_19542846	Ca_Kabuli_Chr05	NC_021164.1	19542846	CC	TT	TT	DRR	101494801	Unknown function
SNP_24604B_19545066	Ca_Kabuli_Chr05	NC_021164.1	19545066	TT	AA	AA	INTRON	101494801	Unknown function
SNP_24605B_19545067	Ca_Kabuli_Chr05	NC_021164.1	19545067	GG	AA	AA	INTRON	101494801	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24606B_19545068	Ca_Kabuli_Chr05	NC_021164.1	19545068	GG	CC	CC	INTRON	101494801	Unknown function
SNP_24607B_19590673	Ca_Kabuli_Chr05	NC_021164.1	19590673	TT	CC	CC	INTERGENIC		
SNP_24608B_19590750	Ca_Kabuli_Chr05	NC_021164.1	19590750	GG	TT	TT	INTERGENIC		
SNP_24609B_19590759	Ca_Kabuli_Chr05	NC_021164.1	19590759	TT	CC	CC	INTERGENIC		
SNP_24610B_19590856	Ca_Kabuli_Chr05	NC_021164.1	19590856	AA	TT	TT	INTERGENIC		
SNP_24611B_19591054	Ca_Kabuli_Chr05	NC_021164.1	19591054	TT	AA	AA	INTERGENIC		
SNP_24612B_19591147	Ca_Kabuli_Chr05	NC_021164.1	19591147	TT	CC	CC	INTERGENIC		
SNP_24613B_19591367	Ca_Kabuli_Chr05	NC_021164.1	19591367	TT	CC	CC	INTERGENIC		
SNP_24614B_19591429	Ca_Kabuli_Chr05	NC_021164.1	19591429	GG	TT	TT	INTERGENIC		
SNP_24615B_19667587	Ca_Kabuli_Chr05	NC_021164.1	19667587	GG	TT	TT	INTERGENIC		
SNP_24616B_19667626	Ca_Kabuli_Chr05	NC_021164.1	19667626	AA	GG	GG	INTERGENIC		
SNP_24617B_19669598	Ca_Kabuli_Chr05	NC_021164.1	19669598	AA	GG	GG	INTERGENIC		
SNP_24618B_19669602	Ca_Kabuli_Chr05	NC_021164.1	19669602	TT	CC	CC	INTERGENIC		
SNP_24619B_19703017	Ca_Kabuli_Chr05	NC_021164.1	19703017	GG	AA	AA	INTERGENIC		
SNP_24620B_19725589	Ca_Kabuli_Chr05	NC_021164.1	19725589	AA	GG	GG	INTERGENIC		
SNP_24621B_19725742	Ca_Kabuli_Chr05	NC_021164.1	19725742	TT	GG	GG	INTERGENIC		
SNP_24622B_19729749	Ca_Kabuli_Chr05	NC_021164.1	19729749	GG	AA	AA	INTERGENIC		
SNP_24623B_19729785	Ca_Kabuli_Chr05	NC_021164.1	19729785	CC	TT	TT	INTERGENIC		
SNP_24624B_19729788	Ca_Kabuli_Chr05	NC_021164.1	19729788	CC	TT	TT	INTERGENIC		
SNP_24625B_19777085	Ca_Kabuli_Chr05	NC_021164.1	19777085	AA	CC	CC	INTERGENIC		
SNP_24626B_19830784	Ca_Kabuli_Chr05	NC_021164.1	19830784	GG	AA	AA	INTERGENIC		
SNP_24627B_19830806	Ca_Kabuli_Chr05	NC_021164.1	19830806	TT	CC	CC	INTERGENIC		
SNP_24628B_19830985	Ca_Kabuli_Chr05	NC_021164.1	19830985	GG	AA	AA	INTERGENIC		
SNP_24629B_19830997	Ca_Kabuli_Chr05	NC_021164.1	19830997	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24630B_19908777	Ca_Kabuli_Chr05	NC_021164.1	19908777	TT	GG	GG	INTERGENIC		
SNP_24631B_19908788	Ca_Kabuli_Chr05	NC_021164.1	19908788	CC	AA	AA	INTERGENIC		
SNP_24632B_19908815	Ca_Kabuli_Chr05	NC_021164.1	19908815	AA	TT	TT	INTERGENIC		
SNP_24633B_19908818	Ca_Kabuli_Chr05	NC_021164.1	19908818	TT	CC	CC	INTERGENIC		
SNP_24634B_19908926	Ca_Kabuli_Chr05	NC_021164.1	19908926	AA	CC	CC	INTERGENIC		
SNP_24635B_19908957	Ca_Kabuli_Chr05	NC_021164.1	19908957	TT	AA	AA	INTERGENIC		
SNP_24636B_19909123	Ca_Kabuli_Chr05	NC_021164.1	19909123	TT	CC	CC	INTERGENIC		
SNP_24637B_19912815	Ca_Kabuli_Chr05	NC_021164.1	19912815	TT	CC	CC	INTERGENIC		
SNP_24638B_19914453	Ca_Kabuli_Chr05	NC_021164.1	19914453	GG	CC	CC	INTERGENIC		
SNP_24639B_19914536	Ca_Kabuli_Chr05	NC_021164.1	19914536	TT	CC	CC	INTERGENIC		
SNP_24640B_19914578	Ca_Kabuli_Chr05	NC_021164.1	19914578	GG	AA	AA	INTERGENIC		
SNP_24642B_19914599	Ca_Kabuli_Chr05	NC_021164.1	19914599	CC	TT	TT	INTERGENIC		
SNP_24643B_19914602	Ca_Kabuli_Chr05	NC_021164.1	19914602	GG	AA	AA	INTERGENIC		
SNP_24644B_19914604	Ca_Kabuli_Chr05	NC_021164.1	19914604	CC	TT	TT	INTERGENIC		
SNP_24645B_19914611	Ca_Kabuli_Chr05	NC_021164.1	19914611	TT	AA	AA	INTERGENIC		
SNP_24646B_19922077	Ca_Kabuli_Chr05	NC_021164.1	19922077	AA	CC	CC	INTERGENIC		
SNP_24647B_19922129	Ca_Kabuli_Chr05	NC_021164.1	19922129	AA	GG	GG	INTERGENIC		
SNP_24648B_19922157	Ca_Kabuli_Chr05	NC_021164.1	19922157	TT	CC	CC	INTERGENIC		
SNP_24649B_19922350	Ca_Kabuli_Chr05	NC_021164.1	19922350	GG	TT	TT	INTERGENIC		
SNP_24650B_19922486	Ca_Kabuli_Chr05	NC_021164.1	19922486	AA	GG	GG	INTERGENIC		
SNP_24651B_19922498	Ca_Kabuli_Chr05	NC_021164.1	19922498	TT	AA	AA	INTERGENIC		
SNP_24652B_19922506	Ca_Kabuli_Chr05	NC_021164.1	19922506	CC	TT	TT	INTERGENIC		
SNP_24653B_19998269	Ca_Kabuli_Chr05	NC_021164.1	19998269	GG	AA	AA	DRR	101503075	uncharacterized LOC101503075
SNP_24654B_19998317	Ca_Kabuli_Chr05	NC_021164.1	19998317	TT	CC	CC	DRR	101503075	uncharacterized LOC101503075

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24655B_19998359	Ca_Kabuli_Chr05	NC_021164.1	19998359	TT	CC	CC	DRR	101503075	uncharacterized LOC101503075
SNP_24656B_19998437	Ca_Kabuli_Chr05	NC_021164.1	19998437	TT	CC	CC	DRR	101503075	uncharacterized LOC101503075
SNP_24657B_19998479	Ca_Kabuli_Chr05	NC_021164.1	19998479	AA	GG	GG	DRR	101503075	uncharacterized LOC101503075
SNP_24658B_20073961	Ca_Kabuli_Chr05	NC_021164.1	20073961	AA	GG	GG	INTERGENIC		
SNP_24659B_20074004	Ca_Kabuli_Chr05	NC_021164.1	20074004	TT	CC	CC	INTERGENIC		
SNP_24661B_20374674	Ca_Kabuli_Chr05	NC_021164.1	20374674	TT	CC	CC	DRR	101505681	uncharacterized LOC101505681
SNP_24662B_20392292	Ca_Kabuli_Chr05	NC_021164.1	20392292	AA	GG	GG	INTERGENIC		
SNP_24663B_20394374	Ca_Kabuli_Chr05	NC_021164.1	20394374	TT	CC	CC	INTERGENIC		
SNP_24664B_20394434	Ca_Kabuli_Chr05	NC_021164.1	20394434	TT	AA	AA	INTERGENIC		
SNP_24665B_20394441	Ca_Kabuli_Chr05	NC_021164.1	20394441	AA	GG	GG	INTERGENIC		
SNP_24666B_20394445	Ca_Kabuli_Chr05	NC_021164.1	20394445	AA	GG	GG	INTERGENIC		
SNP_24667B_20394465	Ca_Kabuli_Chr05	NC_021164.1	20394465	TT	CC	CC	INTERGENIC		
SNP_24668B_20394499	Ca_Kabuli_Chr05	NC_021164.1	20394499	TT	CC	CC	INTERGENIC		
SNP_24669B_20394694	Ca_Kabuli_Chr05	NC_021164.1	20394694	CC	TT	TT	INTERGENIC		
SNP_24670B_20394872	Ca_Kabuli_Chr05	NC_021164.1	20394872	AA	GG	GG	INTERGENIC		
SNP_24671B_20399044	Ca_Kabuli_Chr05	NC_021164.1	20399044	TT	AA	AA	INTERGENIC		
SNP_24672B_20399211	Ca_Kabuli_Chr05	NC_021164.1	20399211	TT	CC	CC	INTERGENIC		
SNP_24673B_20399441	Ca_Kabuli_Chr05	NC_021164.1	20399441	AA	TT	TT	INTERGENIC		
SNP_24674B_20402581	Ca_Kabuli_Chr05	NC_021164.1	20402581	TT	CC	CC	INTERGENIC		
SNP_24675B_20402624	Ca_Kabuli_Chr05	NC_021164.1	20402624	TT	GG	GG	INTERGENIC		
SNP_24676B_20402838	Ca_Kabuli_Chr05	NC_021164.1	20402838	GG	CC	CC	INTERGENIC		
SNP_24678B_20406364	Ca_Kabuli_Chr05	NC_021164.1	20406364	TT	GG	GG	INTERGENIC		
SNP_24679B_20406370	Ca_Kabuli_Chr05	NC_021164.1	20406370	TT	GG	GG	INTERGENIC		
SNP_24680B_20420798	Ca_Kabuli_Chr05	NC_021164.1	20420798	TT	CC	CC	URR	101488318	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24681B_20433646	Ca_Kabuli_Chr05	NC_021164.1	20433646	TT	CC	CC	INTERGENIC		
SNP_24682B_20433864	Ca_Kabuli_Chr05	NC_021164.1	20433864	AA	CC	CC	INTERGENIC		
SNP_24683B_20433892	Ca_Kabuli_Chr05	NC_021164.1	20433892	GG	CC	CC	INTERGENIC		
SNP_24684B_20433926	Ca_Kabuli_Chr05	NC_021164.1	20433926	AA	GG	GG	INTERGENIC		
SNP_24685B_20433946	Ca_Kabuli_Chr05	NC_021164.1	20433946	AA	TT	TT	INTERGENIC		
SNP_24687B_20438984	Ca_Kabuli_Chr05	NC_021164.1	20438984	GG	TT	TT	INTERGENIC		
SNP_24688B_20439692	Ca_Kabuli_Chr05	NC_021164.1	20439692	AA	GG	GG	INTERGENIC		
SNP_24689B_20453168	Ca_Kabuli_Chr05	NC_021164.1	20453168	CC	TT	TT	INTERGENIC		
SNP_24690B_20520198	Ca_Kabuli_Chr05	NC_021164.1	20520198	GG	CC	CC	INTERGENIC		
SNP_24691B_20520488	Ca_Kabuli_Chr05	NC_021164.1	20520488	CC	TT	TT	INTERGENIC		
SNP_24692B_20520638	Ca_Kabuli_Chr05	NC_021164.1	20520638	AA	GG	GG	INTERGENIC		
SNP_24693B_20520673	Ca_Kabuli_Chr05	NC_021164.1	20520673	CC	TT	TT	INTERGENIC		
SNP_24695B_20547373	Ca_Kabuli_Chr05	NC_021164.1	20547373	GG	AA	AA	INTERGENIC		
SNP_24696B_20547724	Ca_Kabuli_Chr05	NC_021164.1	20547724	AA	GG	GG	INTERGENIC		
SNP_24697B_20547725	Ca_Kabuli_Chr05	NC_021164.1	20547725	GG	AA	AA	INTERGENIC		
SNP_24698B_20548242	Ca_Kabuli_Chr05	NC_021164.1	20548242	TT	GG	GG	INTERGENIC		
SNP_24699B_20654590	Ca_Kabuli_Chr05	NC_021164.1	20654590	GG	AA	AA	INTERGENIC		
SNP_24700B_20700186	Ca_Kabuli_Chr05	NC_021164.1	20700186	AA	GG	GG	INTERGENIC		
SNP_24701B_20701061	Ca_Kabuli_Chr05	NC_021164.1	20701061	GG	TT	TT	INTERGENIC		
SNP_24702B_20701118	Ca_Kabuli_Chr05	NC_021164.1	20701118	TT	GG	GG	INTERGENIC		
SNP_24703B_20701152	Ca_Kabuli_Chr05	NC_021164.1	20701152	CC	TT	TT	INTERGENIC		
SNP_24704B_20701157	Ca_Kabuli_Chr05	NC_021164.1	20701157	CC	TT	TT	INTERGENIC		
SNP_24705B_20763503	Ca_Kabuli_Chr05	NC_021164.1	20763503	AA	CC	CC	INTERGENIC		
SNP_24707B_20845062	Ca_Kabuli_Chr05	NC_021164.1	20845062	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24708B_20856693	Ca_Kabuli_Chr05	NC_021164.1	20856693	TT	CC	CC	INTERGENIC		
SNP_24709B_20856696	Ca_Kabuli_Chr05	NC_021164.1	20856696	TT	AA	AA	INTERGENIC		
SNP_24710B_20856701	Ca_Kabuli_Chr05	NC_021164.1	20856701	TT	CC	CC	INTERGENIC		
SNP_24711B_20856775	Ca_Kabuli_Chr05	NC_021164.1	20856775	TT	CC	CC	INTERGENIC		
SNP_24712B_20856826	Ca_Kabuli_Chr05	NC_021164.1	20856826	CC	TT	TT	INTERGENIC		
SNP_24713B_20857028	Ca_Kabuli_Chr05	NC_021164.1	20857028	TT	GG	GG	INTERGENIC		
SNP_24715B_21088836	Ca_Kabuli_Chr05	NC_021164.1	21088836	GG	TT	TT	INTERGENIC		
SNP_24716B_21116806	Ca_Kabuli_Chr05	NC_021164.1	21116806	TT	AA	AA	INTRON	101496438	uncharacterized LOC101496438
SNP_24717B_21117105	Ca_Kabuli_Chr05	NC_021164.1	21117105	AA	GG	GG	INTRON	101496438	uncharacterized LOC101496438
SNP_24718B_21267551	Ca_Kabuli_Chr05	NC_021164.1	21267551	TT	AA	AA	INTERGENIC		
SNP_24719B_21416688	Ca_Kabuli_Chr05	NC_021164.1	21416688	GG	AA	AA	INTERGENIC		
SNP_24720B_21448692	Ca_Kabuli_Chr05	NC_021164.1	21448692	TT	CC	CC	INTERGENIC		
SNP_24721B_21498128	Ca_Kabuli_Chr05	NC_021164.1	21498128	TT	AA	AA	URR	101499381	serine/threonine-protein phosphatase 7 long form homolog
SNP_24722B_21498147	Ca_Kabuli_Chr05	NC_021164.1	21498147	GG	TT	TT	URR	101499381	serine/threonine-protein phosphatase 7 long form homolog
SNP_24723B_21498312	Ca_Kabuli_Chr05	NC_021164.1	21498312	TT	GG	GG	URR	101499381	serine/threonine-protein phosphatase 7 long form homolog
SNP_24725B_21623168	Ca_Kabuli_Chr05	NC_021164.1	21623168	CC	TT	TT	INTERGENIC		
SNP_24726B_21623397	Ca_Kabuli_Chr05	NC_021164.1	21623397	AA	TT	TT	INTERGENIC		
SNP_24728B_21623842	Ca_Kabuli_Chr05	NC_021164.1	21623842	AA	TT	TT	INTERGENIC		
SNP_24729B_21623847	Ca_Kabuli_Chr05	NC_021164.1	21623847	TT	GG	GG	INTERGENIC		
SNP_24730B_21623986	Ca_Kabuli_Chr05	NC_021164.1	21623986	AA	GG	GG	INTERGENIC		
SNP_24731B_21624086	Ca_Kabuli_Chr05	NC_021164.1	21624086	GG	CC	CC	INTERGENIC		
SNP_24732B_21624281	Ca_Kabuli_Chr05	NC_021164.1	21624281	AA	CC	CC	INTERGENIC		
SNP_24733B_21658675	Ca_Kabuli_Chr05	NC_021164.1	21658675	TT	AA	AA	INTERGENIC		
SNP_24734B_21658682	Ca_Kabuli_Chr05	NC_021164.1	21658682	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24735B_21658842	Ca_Kabuli_Chr05	NC_021164.1	21658842	TT	AA	AA	INTERGENIC		
SNP_24736B_21663556	Ca_Kabuli_Chr05	NC_021164.1	21663556	CC	TT	TT	INTERGENIC		
SNP_24737B_21665898	Ca_Kabuli_Chr05	NC_021164.1	21665898	TT	CC	CC	INTERGENIC		
SNP_24738B_21665906	Ca_Kabuli_Chr05	NC_021164.1	21665906	GG	AA	AA	INTERGENIC		
SNP_24739B_21665931	Ca_Kabuli_Chr05	NC_021164.1	21665931	GG	TT	TT	INTERGENIC		
SNP_24740B_21666258	Ca_Kabuli_Chr05	NC_021164.1	21666258	TT	CC	CC	INTERGENIC		
SNP_24741B_21670974	Ca_Kabuli_Chr05	NC_021164.1	21670974	CC	TT	TT	INTERGENIC		
SNP_24742B_21670976	Ca_Kabuli_Chr05	NC_021164.1	21670976	AA	GG	GG	INTERGENIC		
SNP_24743B_21671052	Ca_Kabuli_Chr05	NC_021164.1	21671052	CC	AA	AA	INTERGENIC		
SNP_24744B_21684389	Ca_Kabuli_Chr05	NC_021164.1	21684389	AA	GG	GG	INTERGENIC		
SNP_24745B_21684507	Ca_Kabuli_Chr05	NC_021164.1	21684507	CC	GG	GG	INTERGENIC		
SNP_24746B_21684529	Ca_Kabuli_Chr05	NC_021164.1	21684529	AA	GG	GG	INTERGENIC		
SNP_24747B_21684537	Ca_Kabuli_Chr05	NC_021164.1	21684537	TT	CC	CC	INTERGENIC		
SNP_24748B_21684553	Ca_Kabuli_Chr05	NC_021164.1	21684553	CC	AA	AA	INTERGENIC		
SNP_24749B_21684825	Ca_Kabuli_Chr05	NC_021164.1	21684825	GG	AA	AA	INTERGENIC		
SNP_24750B_21684929	Ca_Kabuli_Chr05	NC_021164.1	21684929	CC	TT	TT	INTERGENIC		
SNP_24751B_21692711	Ca_Kabuli_Chr05	NC_021164.1	21692711	AA	GG	GG	INTERGENIC		
SNP_24752B_21693382	Ca_Kabuli_Chr05	NC_021164.1	21693382	AA	GG	GG	INTERGENIC		
SNP_24753B_21693399	Ca_Kabuli_Chr05	NC_021164.1	21693399	AA	TT	TT	INTERGENIC		
SNP_24754B_21693530	Ca_Kabuli_Chr05	NC_021164.1	21693530	TT	GG	GG	INTERGENIC		
SNP_24755B_21693671	Ca_Kabuli_Chr05	NC_021164.1	21693671	GG	AA	AA	INTERGENIC		
SNP_24756B_21693672	Ca_Kabuli_Chr05	NC_021164.1	21693672	TT	GG	GG	INTERGENIC		
SNP_24757B_21699491	Ca_Kabuli_Chr05	NC_021164.1	21699491	CC	AA	AA	INTERGENIC		
SNP_24758B_21699522	Ca_Kabuli_Chr05	NC_021164.1	21699522	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24759B_21714085	Ca_Kabuli_Chr05	NC_021164.1	21714085	CC	TT	TT	INTERGENIC		
SNP_24760B_21714096	Ca_Kabuli_Chr05	NC_021164.1	21714096	AA	GG	GG	INTERGENIC		
SNP_24761B_21714097	Ca_Kabuli_Chr05	NC_021164.1	21714097	AA	TT	TT	INTERGENIC		
SNP_24762B_21720786	Ca_Kabuli_Chr05	NC_021164.1	21720786	CC	TT	TT	INTERGENIC		
SNP_24763B_21721001	Ca_Kabuli_Chr05	NC_021164.1	21721001	CC	TT	TT	INTERGENIC		
SNP_24764B_21723302	Ca_Kabuli_Chr05	NC_021164.1	21723302	TT	CC	CC	INTERGENIC		
SNP_24765B_21740920	Ca_Kabuli_Chr05	NC_021164.1	21740920	TT	CC	CC	INTERGENIC		
SNP_24766B_21740939	Ca_Kabuli_Chr05	NC_021164.1	21740939	TT	CC	CC	INTERGENIC		
SNP_24767B_21740948	Ca_Kabuli_Chr05	NC_021164.1	21740948	CC	TT	TT	INTERGENIC		
SNP_24768B_21740970	Ca_Kabuli_Chr05	NC_021164.1	21740970	TT	CC	CC	INTERGENIC		
SNP_24769B_21740972	Ca_Kabuli_Chr05	NC_021164.1	21740972	TT	AA	AA	INTERGENIC		
SNP_24770B_21740990	Ca_Kabuli_Chr05	NC_021164.1	21740990	CC	TT	TT	INTERGENIC		
SNP_24771B_21741001	Ca_Kabuli_Chr05	NC_021164.1	21741001	AA	CC	CC	INTERGENIC		
SNP_24772B_21741063	Ca_Kabuli_Chr05	NC_021164.1	21741063	CC	TT	TT	INTERGENIC		
SNP_24773B_21745782	Ca_Kabuli_Chr05	NC_021164.1	21745782	AA	TT	TT	INTERGENIC		
SNP_24774B_21746170	Ca_Kabuli_Chr05	NC_021164.1	21746170	TT	CC	CC	INTERGENIC		
SNP_24775B_21746172	Ca_Kabuli_Chr05	NC_021164.1	21746172	TT	CC	CC	INTERGENIC		
SNP_24776B_21746181	Ca_Kabuli_Chr05	NC_021164.1	21746181	TT	CC	CC	INTERGENIC		
SNP_24777B_21746241	Ca_Kabuli_Chr05	NC_021164.1	21746241	TT	GG	GG	INTERGENIC		
SNP_24778B_21822475	Ca_Kabuli_Chr05	NC_021164.1	21822475	GG	AA	AA	INTERGENIC		
SNP_24779B_21822477	Ca_Kabuli_Chr05	NC_021164.1	21822477	TT	CC	CC	INTERGENIC		
SNP_24780B_21822478	Ca_Kabuli_Chr05	NC_021164.1	21822478	GG	AA	AA	INTERGENIC		
SNP_24781B_21822479	Ca_Kabuli_Chr05	NC_021164.1	21822479	AA	GG	GG	INTERGENIC		
SNP_24782B_21822501	Ca_Kabuli_Chr05	NC_021164.1	21822501	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24783B_21845212	Ca_Kabuli_Chr05	NC_021164.1	21845212	GG	AA	AA	INTERGENIC		
SNP_24784B_21845225	Ca_Kabuli_Chr05	NC_021164.1	21845225	TT	CC	CC	INTERGENIC		
SNP_24785B_21846422	Ca_Kabuli_Chr05	NC_021164.1	21846422	GG	AA	AA	INTERGENIC		
SNP_24786B_21846444	Ca_Kabuli_Chr05	NC_021164.1	21846444	TT	AA	AA	INTERGENIC		
SNP_24787B_21846449	Ca_Kabuli_Chr05	NC_021164.1	21846449	AA	GG	GG	INTERGENIC		
SNP_24788B_21846567	Ca_Kabuli_Chr05	NC_021164.1	21846567	AA	TT	TT	INTERGENIC		
SNP_24789B_21846662	Ca_Kabuli_Chr05	NC_021164.1	21846662	TT	GG	GG	INTERGENIC		
SNP_24790B_21846677	Ca_Kabuli_Chr05	NC_021164.1	21846677	TT	CC	CC	INTERGENIC		
SNP_24791B_21846685	Ca_Kabuli_Chr05	NC_021164.1	21846685	AA	GG	GG	INTERGENIC		
SNP_24792B_21846807	Ca_Kabuli_Chr05	NC_021164.1	21846807	AA	TT	TT	INTERGENIC		
SNP_24793B_21851286	Ca_Kabuli_Chr05	NC_021164.1	21851286	GG	TT	TT	DRR	101503629	Unknown function
SNP_24794B_21851290	Ca_Kabuli_Chr05	NC_021164.1	21851290	GG	AA	AA	DRR	101503629	Unknown function
SNP_24795B_21865103	Ca_Kabuli_Chr05	NC_021164.1	21865103	TT	CC	CC	INTERGENIC		
SNP_24796B_21865444	Ca_Kabuli_Chr05	NC_021164.1	21865444	TT	CC	CC	INTERGENIC		
SNP_24797B_21865490	Ca_Kabuli_Chr05	NC_021164.1	21865490	TT	CC	CC	INTERGENIC		
SNP_24798B_21865540	Ca_Kabuli_Chr05	NC_021164.1	21865540	AA	GG	GG	INTERGENIC		
SNP_24799B_21865543	Ca_Kabuli_Chr05	NC_021164.1	21865543	AA	GG	GG	INTERGENIC		
SNP_24800B_21867725	Ca_Kabuli_Chr05	NC_021164.1	21867725	TT	CC	CC	INTERGENIC		
SNP_24801B_21867734	Ca_Kabuli_Chr05	NC_021164.1	21867734	AA	GG	GG	INTERGENIC		
SNP_24802B_21867963	Ca_Kabuli_Chr05	NC_021164.1	21867963	AA	GG	GG	INTERGENIC		
SNP_24803B_21867965	Ca_Kabuli_Chr05	NC_021164.1	21867965	AA	GG	GG	INTERGENIC		
SNP_24804B_21867967	Ca_Kabuli_Chr05	NC_021164.1	21867967	TT	CC	CC	INTERGENIC		
SNP_24805B_21891815	Ca_Kabuli_Chr05	NC_021164.1	21891815	AA	GG	GG	INTERGENIC		
SNP_24806B_21892004	Ca_Kabuli_Chr05	NC_021164.1	21892004	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24807B_21898491	Ca_Kabuli_Chr05	NC_021164.1	21898491	GG	CC	CC	INTERGENIC		
SNP_24808B_21899296	Ca_Kabuli_Chr05	NC_021164.1	21899296	AA	GG	GG	INTERGENIC		
SNP_24810B_21901094	Ca_Kabuli_Chr05	NC_021164.1	21901094	GG	AA	AA	INTERGENIC		
SNP_24811B_21901113	Ca_Kabuli_Chr05	NC_021164.1	21901113	TT	CC	CC	INTERGENIC		
SNP_24812B_21901124	Ca_Kabuli_Chr05	NC_021164.1	21901124	GG	TT	TT	INTERGENIC		
SNP_24813B_21901149	Ca_Kabuli_Chr05	NC_021164.1	21901149	AA	CC	CC	INTERGENIC		
SNP_24814B_21901206	Ca_Kabuli_Chr05	NC_021164.1	21901206	AA	CC	CC	INTERGENIC		
SNP_24815B_21901207	Ca_Kabuli_Chr05	NC_021164.1	21901207	TT	GG	GG	INTERGENIC		
SNP_24816B_21901208	Ca_Kabuli_Chr05	NC_021164.1	21901208	GG	AA	AA	INTERGENIC		
SNP_24817B_21901224	Ca_Kabuli_Chr05	NC_021164.1	21901224	GG	TT	TT	INTERGENIC		
SNP_24818B_21908414	Ca_Kabuli_Chr05	NC_021164.1	21908414	TT	CC	CC	INTERGENIC		
SNP_24819B_21909051	Ca_Kabuli_Chr05	NC_021164.1	21909051	CC	TT	TT	INTERGENIC		
SNP_24820B_21918804	Ca_Kabuli_Chr05	NC_021164.1	21918804	AA	CC	CC	INTERGENIC		
SNP_24821B_21918813	Ca_Kabuli_Chr05	NC_021164.1	21918813	AA	GG	GG	INTERGENIC		
SNP_24822B_21918846	Ca_Kabuli_Chr05	NC_021164.1	21918846	TT	CC	CC	INTERGENIC		
SNP_24823B_21918863	Ca_Kabuli_Chr05	NC_021164.1	21918863	CC	GG	GG	INTERGENIC		
SNP_24824B_21918870	Ca_Kabuli_Chr05	NC_021164.1	21918870	CC	TT	TT	INTERGENIC		
SNP_24825B_21918876	Ca_Kabuli_Chr05	NC_021164.1	21918876	AA	GG	GG	INTERGENIC		
SNP_24826B_21921362	Ca_Kabuli_Chr05	NC_021164.1	21921362	TT	GG	GG	DRR	101504921	probable polygalacturonase At3g15720
SNP_24827B_21921387	Ca_Kabuli_Chr05	NC_021164.1	21921387	GG	AA	AA	NON_SYNONYMOUS_CODING	101504921	probable polygalacturonase At3g15720
SNP_24828B_21921388	Ca_Kabuli_Chr05	NC_021164.1	21921388	TT	GG	GG	NON_SYNONYMOUS_CODING	101504921	probable polygalacturonase At3g15720
SNP_24829B_21921402	Ca_Kabuli_Chr05	NC_021164.1	21921402	CC	AA	AA	NON_SYNONYMOUS_CODING	101504921	probable polygalacturonase At3g15720
SNP_24830B_21921472	Ca_Kabuli_Chr05	NC_021164.1	21921472	TT	AA	AA	SYNONYMOUS_CODING	101504921	probable polygalacturonase At3g15720
SNP_24831B_21921543	Ca_Kabuli_Chr05	NC_021164.1	21921543	TT	AA	AA	NON_SYNONYMOUS_CODING	101504921	probable polygalacturonase At3g15720

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24832B_21921547	Ca_Kabuli_Chr05	NC_021164.1	21921547	GG	CC	CC	SYNONYMOUS_CODING	101504921	probable polygalacturonase At3g15720
SNP_24833B_21921590	Ca_Kabuli_Chr05	NC_021164.1	21921590	TT	GG	GG	INTRON	101504921	probable polygalacturonase At3g15720
SNP_24834B_21921609	Ca_Kabuli_Chr05	NC_021164.1	21921609	TT	CC	CC	INTRON	101504921	probable polygalacturonase At3g15720
SNP_24835B_21921665	Ca_Kabuli_Chr05	NC_021164.1	21921665	AA	GG	GG	INTRON	101504921	probable polygalacturonase At3g15720
SNP_24836B_21921783	Ca_Kabuli_Chr05	NC_021164.1	21921783	TT	AA	AA	INTRON	101504921	probable polygalacturonase At3g15720
SNP_24837B_21921803	Ca_Kabuli_Chr05	NC_021164.1	21921803	TT	AA	AA	INTRON	101504921	probable polygalacturonase At3g15720
SNP_24838B_21944872	Ca_Kabuli_Chr05	NC_021164.1	21944872	GG	AA	AA	INTERGENIC		
SNP_24840B_22058575	Ca_Kabuli_Chr05	NC_021164.1	22058575	AA	GG	GG	INTERGENIC		
SNP_24841B_22144960	Ca_Kabuli_Chr05	NC_021164.1	22144960	AA	CC	CC	INTERGENIC		
SNP_24842B_22205934	Ca_Kabuli_Chr05	NC_021164.1	22205934	TT	GG	GG	INTERGENIC		
SNP_24843B_22210180	Ca_Kabuli_Chr05	NC_021164.1	22210180	TT	CC	CC	INTERGENIC		
SNP_24844B_22279101	Ca_Kabuli_Chr05	NC_021164.1	22279101	GG	AA	AA	INTERGENIC		
SNP_24845B_22293909	Ca_Kabuli_Chr05	NC_021164.1	22293909	TT	AA	AA	INTERGENIC		
SNP_24846B_22294175	Ca_Kabuli_Chr05	NC_021164.1	22294175	GG	AA	AA	INTERGENIC		
SNP_24847B_22294247	Ca_Kabuli_Chr05	NC_021164.1	22294247	CC	TT	TT	INTERGENIC		
SNP_24848B_22340812	Ca_Kabuli_Chr05	NC_021164.1	22340812	CC	TT	TT	INTERGENIC		
SNP_24850B_22413301	Ca_Kabuli_Chr05	NC_021164.1	22413301	GG	AA	AA	INTERGENIC		
SNP_24851B_22616048	Ca_Kabuli_Chr05	NC_021164.1	22616048	TT	AA	AA	INTERGENIC		
SNP_24852B_22659218	Ca_Kabuli_Chr05	NC_021164.1	22659218	CC	GG	GG	INTERGENIC		
SNP_24854B_22667893	Ca_Kabuli_Chr05	NC_021164.1	22667893	CC	TT	TT	INTERGENIC		
SNP_24855B_22691809	Ca_Kabuli_Chr05	NC_021164.1	22691809	GG	CC	CC	DRR	101491144	Unknown function
SNP_24856B_22691819	Ca_Kabuli_Chr05	NC_021164.1	22691819	GG	TT	TT	DRR	101491144	Unknown function
SNP_24857B_22691820	Ca_Kabuli_Chr05	NC_021164.1	22691820	AA	TT	TT	DRR	101491144	Unknown function
SNP_24858B_22691831	Ca_Kabuli_Chr05	NC_021164.1	22691831	TT	GG	GG	DRR	101491144	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24859B_22691832	Ca_Kabuli_Chr05	NC_021164.1	22691832	GG	CC	CC	DRR	101491144	Unknown function
SNP_24860B_22691844	Ca_Kabuli_Chr05	NC_021164.1	22691844	CC	GG	GG	DRR	101491144	Unknown function
SNP_24861B_22691874	Ca_Kabuli_Chr05	NC_021164.1	22691874	CC	AA	AA	DRR	101491144	Unknown function
SNP_24862B_22691876	Ca_Kabuli_Chr05	NC_021164.1	22691876	TT	GG	GG	DRR	101491144	Unknown function
SNP_24863B_22691880	Ca_Kabuli_Chr05	NC_021164.1	22691880	GG	AA	AA	DRR	101491144	Unknown function
SNP_24864B_22691910	Ca_Kabuli_Chr05	NC_021164.1	22691910	TT	CC	CC	DRR	101491144	Unknown function
SNP_24865B_22691957	Ca_Kabuli_Chr05	NC_021164.1	22691957	CC	GG	GG	DRR	101491144	Unknown function
SNP_24866B_22691958	Ca_Kabuli_Chr05	NC_021164.1	22691958	AA	GG	GG	DRR	101491144	Unknown function
SNP_24867B_22692002	Ca_Kabuli_Chr05	NC_021164.1	22692002	TT	CC	CC	DRR	101491144	Unknown function
SNP_24868B_22693505	Ca_Kabuli_Chr05	NC_021164.1	22693505	AA	TT	TT	DRR	101490819	NADH-ubiquinone oxidoreductase chain 1
SNP_24869B_22693788	Ca_Kabuli_Chr05	NC_021164.1	22693788	GG	TT	TT	URR	101491144	Unknown function
SNP_24870B_22693789	Ca_Kabuli_Chr05	NC_021164.1	22693789	AA	CC	CC	URR	101491144	Unknown function
SNP_24871B_22693936	Ca_Kabuli_Chr05	NC_021164.1	22693936	CC	AA	AA	URR	101491144	Unknown function
SNP_24872B_22694037	Ca_Kabuli_Chr05	NC_021164.1	22694037	CC	AA	AA	URR	101491144	Unknown function
SNP_24873B_22694063	Ca_Kabuli_Chr05	NC_021164.1	22694063	AA	GG	GG	URR	101491144	Unknown function
SNP_24874B_22695590	Ca_Kabuli_Chr05	NC_021164.1	22695590	TT	CC	CC	DRR	101498853	Unknown function
SNP_24875B_22726987	Ca_Kabuli_Chr05	NC_021164.1	22726987	AA	TT	TT	URR	101492655	GDSL esterase/lipase At5g55050-like
SNP_24876B_22752254	Ca_Kabuli_Chr05	NC_021164.1	22752254	CC	TT	TT	INTERGENIC		
SNP_24877B_22864595	Ca_Kabuli_Chr05	NC_021164.1	22864595	TT	CC	CC	INTRON	101499492	serine/threonine-protein phosphatase 7 long form homolog
SNP_24878B_22864643	Ca_Kabuli_Chr05	NC_021164.1	22864643	AA	GG	GG	NON_SYNONYMOUS_CODING	101499492	serine/threonine-protein phosphatase 7 long form homolog
SNP_24879B_22865575	Ca_Kabuli_Chr05	NC_021164.1	22865575	TT	CC	CC	URR	101499492	serine/threonine-protein phosphatase 7 long form homolog
SNP_24880B_22868003	Ca_Kabuli_Chr05	NC_021164.1	22868003	GG	AA	AA	INTERGENIC		
SNP_24881B_22918209	Ca_Kabuli_Chr05	NC_021164.1	22918209	AA	GG	GG	INTERGENIC		
SNP_24882B_22918293	Ca_Kabuli_Chr05	NC_021164.1	22918293	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24883B_22918353	Ca_Kabuli_Chr05	NC_021164.1	22918353	TT	CC	CC	INTERGENIC		
SNP_24884B_22918357	Ca_Kabuli_Chr05	NC_021164.1	22918357	CC	TT	TT	INTERGENIC		
SNP_24885B_22918439	Ca_Kabuli_Chr05	NC_021164.1	22918439	CC	GG	GG	INTERGENIC		
SNP_24887B_22918579	Ca_Kabuli_Chr05	NC_021164.1	22918579	AA	TT	TT	INTERGENIC		
SNP_24888B_22918580	Ca_Kabuli_Chr05	NC_021164.1	22918580	TT	GG	GG	INTERGENIC		
SNP_24889B_22918582	Ca_Kabuli_Chr05	NC_021164.1	22918582	AA	GG	GG	INTERGENIC		
SNP_24890B_22918600	Ca_Kabuli_Chr05	NC_021164.1	22918600	CC	GG	GG	INTERGENIC		
SNP_24891B_22918622	Ca_Kabuli_Chr05	NC_021164.1	22918622	CC	TT	TT	INTERGENIC		
SNP_24892B_22918640	Ca_Kabuli_Chr05	NC_021164.1	22918640	AA	TT	TT	INTERGENIC		
SNP_24893B_22918677	Ca_Kabuli_Chr05	NC_021164.1	22918677	AA	GG	GG	INTERGENIC		
SNP_24894B_22918684	Ca_Kabuli_Chr05	NC_021164.1	22918684	TT	CC	CC	INTERGENIC		
SNP_24895B_22918685	Ca_Kabuli_Chr05	NC_021164.1	22918685	CC	AA	AA	INTERGENIC		
SNP_24896B_22918694	Ca_Kabuli_Chr05	NC_021164.1	22918694	TT	CC	CC	INTERGENIC		
SNP_24897B_22919314	Ca_Kabuli_Chr05	NC_021164.1	22919314	TT	AA	AA	INTERGENIC		
SNP_24898B_22919387	Ca_Kabuli_Chr05	NC_021164.1	22919387	AA	GG	GG	INTERGENIC		
SNP_24899B_22919393	Ca_Kabuli_Chr05	NC_021164.1	22919393	TT	AA	AA	INTERGENIC		
SNP_24900B_22919430	Ca_Kabuli_Chr05	NC_021164.1	22919430	AA	GG	GG	INTERGENIC		
SNP_24901B_22919484	Ca_Kabuli_Chr05	NC_021164.1	22919484	TT	CC	CC	INTERGENIC		
SNP_24903B_22919703	Ca_Kabuli_Chr05	NC_021164.1	22919703	GG	AA	AA	INTERGENIC		
SNP_24905B_22919734	Ca_Kabuli_Chr05	NC_021164.1	22919734	GG	AA	AA	INTERGENIC		
SNP_24906B_22919760	Ca_Kabuli_Chr05	NC_021164.1	22919760	TT	CC	CC	INTERGENIC		
SNP_24907B_22928381	Ca_Kabuli_Chr05	NC_021164.1	22928381	TT	CC	CC	INTERGENIC		
SNP_24908B_22928382	Ca_Kabuli_Chr05	NC_021164.1	22928382	GG	TT	TT	INTERGENIC		
SNP_24909B_22954113	Ca_Kabuli_Chr05	NC_021164.1	22954113	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24910B_23085223	Ca_Kabuli_Chr05	NC_021164.1	23085223	AA	GG	GG	INTERGENIC		
SNP_24911B_23096939	Ca_Kabuli_Chr05	NC_021164.1	23096939	CC	TT	TT	INTERGENIC		
SNP_24912B_23099260	Ca_Kabuli_Chr05	NC_021164.1	23099260	GG	TT	TT	INTERGENIC		
SNP_24913B_23246623	Ca_Kabuli_Chr05	NC_021164.1	23246623	TT	AA	AA	INTERGENIC		
SNP_24915B_23336109	Ca_Kabuli_Chr05	NC_021164.1	23336109	TT	AA	AA	INTERGENIC		
SNP_24916B_23336212	Ca_Kabuli_Chr05	NC_021164.1	23336212	AA	CC	CC	INTERGENIC		
SNP_24917B_23336462	Ca_Kabuli_Chr05	NC_021164.1	23336462	GG	TT	TT	INTERGENIC		
SNP_24918B_23336547	Ca_Kabuli_Chr05	NC_021164.1	23336547	TT	AA	AA	INTERGENIC		
SNP_24919B_23336556	Ca_Kabuli_Chr05	NC_021164.1	23336556	AA	GG	GG	INTERGENIC		
SNP_24920B_23336615	Ca_Kabuli_Chr05	NC_021164.1	23336615	AA	GG	GG	INTERGENIC		
SNP_24921B_23352449	Ca_Kabuli_Chr05	NC_021164.1	23352449	GG	AA	AA	INTERGENIC		
SNP_24922B_23352485	Ca_Kabuli_Chr05	NC_021164.1	23352485	AA	TT	TT	INTERGENIC		
SNP_24923B_23462452	Ca_Kabuli_Chr05	NC_021164.1	23462452	GG	TT	TT	URR	101510274	DNA polymerase I B, chloroplastic/mitochondrial-like
SNP_24924B_23462461	Ca_Kabuli_Chr05	NC_021164.1	23462461	TT	CC	CC	URR	101510274	DNA polymerase I B, chloroplastic/mitochondrial-like
SNP_24925B_23487805	Ca_Kabuli_Chr05	NC_021164.1	23487805	GG	AA	AA	INTRON	101495787	beta-glucosidase 13-like
SNP_24926B_23487809	Ca_Kabuli_Chr05	NC_021164.1	23487809	AA	TT	TT	INTRON	101495787	beta-glucosidase 13-like
SNP_24927B_23488250	Ca_Kabuli_Chr05	NC_021164.1	23488250	CC	GG	GG	INTRON	101495787	beta-glucosidase 13-like
SNP_24928B_23544732	Ca_Kabuli_Chr05	NC_021164.1	23544732	CC	TT	TT	INTERGENIC		
SNP_24929B_23557378	Ca_Kabuli_Chr05	NC_021164.1	23557378	CC	TT	TT	DRR	101496108	Unknown function
SNP_24930B_23557651	Ca_Kabuli_Chr05	NC_021164.1	23557651	AA	GG	GG	DRR	101496108	Unknown function
SNP_24931B_23557661	Ca_Kabuli_Chr05	NC_021164.1	23557661	CC	AA	AA	DRR	101496108	Unknown function
SNP_24932B_23557662	Ca_Kabuli_Chr05	NC_021164.1	23557662	GG	TT	TT	DRR	101496108	Unknown function
SNP_24933B_23557665	Ca_Kabuli_Chr05	NC_021164.1	23557665	GG	CC	CC	DRR	101496108	Unknown function
SNP_24934B_23557666	Ca_Kabuli_Chr05	NC_021164.1	23557666	AA	GG	GG	DRR	101496108	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24935B_23557703	Ca_Kabuli_Chr05	NC_021164.1	23557703	TT	CC	CC	DRR	101496108	Unknown function
SNP_24936B_23557735	Ca_Kabuli_Chr05	NC_021164.1	23557735	TT	AA	AA	DRR	101496108	Unknown function
SNP_24937B_23557754	Ca_Kabuli_Chr05	NC_021164.1	23557754	TT	CC	CC	DRR	101496108	Unknown function
SNP_24938B_23559200	Ca_Kabuli_Chr05	NC_021164.1	23559200	TT	CC	CC	DRR	101513061	uncharacterized LOC101513061
SNP_24939B_23559208	Ca_Kabuli_Chr05	NC_021164.1	23559208	TT	AA	AA	DRR	101513061	uncharacterized LOC101513061
SNP_24940B_23559219	Ca_Kabuli_Chr05	NC_021164.1	23559219	TT	CC	CC	DRR	101513061	uncharacterized LOC101513061
SNP_24941B_23559226	Ca_Kabuli_Chr05	NC_021164.1	23559226	TT	CC	CC	DRR	101513061	uncharacterized LOC101513061
SNP_24942B_23559232	Ca_Kabuli_Chr05	NC_021164.1	23559232	CC	TT	TT	DRR	101513061	uncharacterized LOC101513061
SNP_24943B_23559237	Ca_Kabuli_Chr05	NC_021164.1	23559237	TT	AA	AA	DRR	101513061	uncharacterized LOC101513061
SNP_24944B_23559271	Ca_Kabuli_Chr05	NC_021164.1	23559271	CC	GG	GG	DRR	101513061	uncharacterized LOC101513061
SNP_24945B_23559280	Ca_Kabuli_Chr05	NC_021164.1	23559280	TT	AA	AA	DRR	101513061	uncharacterized LOC101513061
SNP_24946B_23559292	Ca_Kabuli_Chr05	NC_021164.1	23559292	TT	CC	CC	DRR	101513061	uncharacterized LOC101513061
SNP_24947B_23559294	Ca_Kabuli_Chr05	NC_021164.1	23559294	AA	CC	CC	DRR	101513061	uncharacterized LOC101513061
SNP_24948B_23559296	Ca_Kabuli_Chr05	NC_021164.1	23559296	GG	CC	CC	DRR	101513061	uncharacterized LOC101513061
SNP_24949B_23559302	Ca_Kabuli_Chr05	NC_021164.1	23559302	GG	AA	AA	DRR	101513061	uncharacterized LOC101513061
SNP_24950B_23559310	Ca_Kabuli_Chr05	NC_021164.1	23559310	AA	CC	CC	DRR	101513061	uncharacterized LOC101513061
SNP_24951B_23559311	Ca_Kabuli_Chr05	NC_021164.1	23559311	TT	CC	CC	DRR	101513061	uncharacterized LOC101513061
SNP_24952B_23567091	Ca_Kabuli_Chr05	NC_021164.1	23567091	AA	CC	CC	URR	101512416	Unknown function
SNP_24953B_23567114	Ca_Kabuli_Chr05	NC_021164.1	23567114	TT	GG	GG	URR	101512416	Unknown function
SNP_24954B_23567119	Ca_Kabuli_Chr05	NC_021164.1	23567119	GG	TT	TT	URR	101512416	Unknown function
SNP_24955B_23567130	Ca_Kabuli_Chr05	NC_021164.1	23567130	AA	TT	TT	URR	101512416	Unknown function
SNP_24956B_23573083	Ca_Kabuli_Chr05	NC_021164.1	23573083	GG	AA	AA	INTERGENIC		
SNP_24957B_23585048	Ca_Kabuli_Chr05	NC_021164.1	23585048	CC	AA	AA	INTERGENIC		
SNP_24958B_23585118	Ca_Kabuli_Chr05	NC_021164.1	23585118	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24959B_23585130	Ca_Kabuli_Chr05	NC_021164.1	23585130	GG	TT	TT	INTERGENIC		
SNP_24960B_23585491	Ca_Kabuli_Chr05	NC_021164.1	23585491	TT	CC	CC	INTERGENIC		
SNP_24961B_23588479	Ca_Kabuli_Chr05	NC_021164.1	23588479	TT	CC	CC	INTERGENIC		
SNP_24962B_23595400	Ca_Kabuli_Chr05	NC_021164.1	23595400	GG	TT	TT	INTERGENIC		
SNP_24963B_23596643	Ca_Kabuli_Chr05	NC_021164.1	23596643	AA	GG	GG	INTERGENIC		
SNP_24964B_23596690	Ca_Kabuli_Chr05	NC_021164.1	23596690	TT	CC	CC	INTERGENIC		
SNP_24965B_23596842	Ca_Kabuli_Chr05	NC_021164.1	23596842	AA	GG	GG	INTERGENIC		
SNP_24966B_23606244	Ca_Kabuli_Chr05	NC_021164.1	23606244	GG	AA	AA	INTERGENIC		
SNP_24967B_23606271	Ca_Kabuli_Chr05	NC_021164.1	23606271	TT	AA	AA	INTERGENIC		
SNP_24968B_23606472	Ca_Kabuli_Chr05	NC_021164.1	23606472	GG	AA	AA	INTERGENIC		
SNP_24969B_23606509	Ca_Kabuli_Chr05	NC_021164.1	23606509	AA	CC	CC	DRR	101497085	Unknown function
SNP_24970B_23606525	Ca_Kabuli_Chr05	NC_021164.1	23606525	CC	AA	AA	DRR	101497085	Unknown function
SNP_24971B_23606527	Ca_Kabuli_Chr05	NC_021164.1	23606527	TT	CC	CC	DRR	101497085	Unknown function
SNP_24972B_23619493	Ca_Kabuli_Chr05	NC_021164.1	23619493	TT	AA	AA	INTERGENIC		
SNP_24974B_23644704	Ca_Kabuli_Chr05	NC_021164.1	23644704	TT	CC	CC	DRR	101497752	Unknown function
SNP_24975B_23644770	Ca_Kabuli_Chr05	NC_021164.1	23644770	TT	CC	CC	DRR	101497752	Unknown function
SNP_24976B_23645018	Ca_Kabuli_Chr05	NC_021164.1	23645018	GG	AA	AA	DRR	101497752	Unknown function
SNP_24977B_23645021	Ca_Kabuli_Chr05	NC_021164.1	23645021	GG	TT	TT	DRR	101497752	Unknown function
SNP_24978B_23645153	Ca_Kabuli_Chr05	NC_021164.1	23645153	GG	AA	AA	DRR	101497752	Unknown function
SNP_24979B_23645186	Ca_Kabuli_Chr05	NC_021164.1	23645186	AA	GG	GG	DRR	101497752	Unknown function
SNP_24980B_23645206	Ca_Kabuli_Chr05	NC_021164.1	23645206	AA	TT	TT	DRR	101497752	Unknown function
SNP_24981B_23645213	Ca_Kabuli_Chr05	NC_021164.1	23645213	AA	GG	GG	DRR	101497752	Unknown function
SNP_24982B_23645228	Ca_Kabuli_Chr05	NC_021164.1	23645228	AA	GG	GG	DRR	101497752	Unknown function
SNP_24983B_23645295	Ca_Kabuli_Chr05	NC_021164.1	23645295	GG	AA	AA	DRR	101497752	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_24984B_23645961	Ca_Kabuli_Chr05	NC_021164.1	23645961	CC	GG	GG	INTRON	101497752	Unknown function
SNP_24985B_23646303	Ca_Kabuli_Chr05	NC_021164.1	23646303	AA	GG	GG	INTRON	101497752	Unknown function
SNP_24986B_23663069	Ca_Kabuli_Chr05	NC_021164.1	23663069	TT	GG	GG	INTERGENIC		
SNP_24988B_23663168	Ca_Kabuli_Chr05	NC_021164.1	23663168	AA	GG	GG	INTERGENIC		
SNP_24989B_23663195	Ca_Kabuli_Chr05	NC_021164.1	23663195	CC	AA	AA	INTERGENIC		
SNP_24990B_23664201	Ca_Kabuli_Chr05	NC_021164.1	23664201	AA	GG	GG	INTERGENIC		
SNP_24991B_23664245	Ca_Kabuli_Chr05	NC_021164.1	23664245	TT	CC	CC	INTERGENIC		
SNP_24992B_23664292	Ca_Kabuli_Chr05	NC_021164.1	23664292	AA	CC	CC	INTERGENIC		
SNP_24993B_23664301	Ca_Kabuli_Chr05	NC_021164.1	23664301	AA	GG	GG	INTERGENIC		
SNP_24994B_23664373	Ca_Kabuli_Chr05	NC_021164.1	23664373	AA	CC	CC	INTERGENIC		
SNP_24995B_23664483	Ca_Kabuli_Chr05	NC_021164.1	23664483	AA	GG	GG	INTERGENIC		
SNP_24996B_23664514	Ca_Kabuli_Chr05	NC_021164.1	23664514	AA	GG	GG	INTERGENIC		
SNP_24997B_23664561	Ca_Kabuli_Chr05	NC_021164.1	23664561	TT	CC	CC	INTERGENIC		
SNP_24999B_23668830	Ca_Kabuli_Chr05	NC_021164.1	23668830	GG	TT	TT	INTERGENIC		
SNP_25000B_23668919	Ca_Kabuli_Chr05	NC_021164.1	23668919	GG	TT	TT	INTERGENIC		
SNP_25001B_23668943	Ca_Kabuli_Chr05	NC_021164.1	23668943	GG	AA	AA	INTERGENIC		
SNP_25002B_23669358	Ca_Kabuli_Chr05	NC_021164.1	23669358	TT	CC	CC	INTERGENIC		
SNP_25003B_23669370	Ca_Kabuli_Chr05	NC_021164.1	23669370	TT	CC	CC	INTERGENIC		
SNP_25004B_23670085	Ca_Kabuli_Chr05	NC_021164.1	23670085	TT	CC	CC	INTERGENIC		
SNP_25005B_23670111	Ca_Kabuli_Chr05	NC_021164.1	23670111	AA	GG	GG	INTERGENIC		
SNP_25006B_23670171	Ca_Kabuli_Chr05	NC_021164.1	23670171	AA	CC	CC	INTERGENIC		
SNP_25007B_23670548	Ca_Kabuli_Chr05	NC_021164.1	23670548	AA	GG	GG	INTERGENIC		
SNP_25008B_23670567	Ca_Kabuli_Chr05	NC_021164.1	23670567	AA	GG	GG	INTERGENIC		
SNP_25009B_23670617	Ca_Kabuli_Chr05	NC_021164.1	23670617	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_25010B_23670762	Ca_Kabuli_Chr05	NC_021164.1	23670762	AA	GG	GG	INTERGENIC		
SNP_25011B_23670780	Ca_Kabuli_Chr05	NC_021164.1	23670780	TT	CC	CC	INTERGENIC		
SNP_25012B_23670875	Ca_Kabuli_Chr05	NC_021164.1	23670875	TT	CC	CC	INTERGENIC		
SNP_25013B_23670919	Ca_Kabuli_Chr05	NC_021164.1	23670919	TT	AA	AA	INTERGENIC		
SNP_25014B_23670932	Ca_Kabuli_Chr05	NC_021164.1	23670932	AA	CC	CC	INTERGENIC		
SNP_25015B_23671224	Ca_Kabuli_Chr05	NC_021164.1	23671224	TT	CC	CC	DRR	101514146	Unknown function
SNP_25016B_23671250	Ca_Kabuli_Chr05	NC_021164.1	23671250	AA	GG	GG	DRR	101514146	Unknown function
SNP_25017B_23671278	Ca_Kabuli_Chr05	NC_021164.1	23671278	TT	CC	CC	DRR	101514146	Unknown function
SNP_25018B_23671337	Ca_Kabuli_Chr05	NC_021164.1	23671337	TT	CC	CC	DRR	101514146	Unknown function
SNP_25019B_23671356	Ca_Kabuli_Chr05	NC_021164.1	23671356	CC	AA	AA	DRR	101514146	Unknown function
SNP_25020B_23671386	Ca_Kabuli_Chr05	NC_021164.1	23671386	TT	CC	CC	DRR	101514146	Unknown function
SNP_25022B_23673810	Ca_Kabuli_Chr05	NC_021164.1	23673810	AA	GG	GG	URR	101514146	Unknown function
SNP_25023B_23674057	Ca_Kabuli_Chr05	NC_021164.1	23674057	AA	GG	GG	URR	101514146	Unknown function
SNP_25024B_23674065	Ca_Kabuli_Chr05	NC_021164.1	23674065	AA	CC	CC	URR	101514146	Unknown function
SNP_25025B_23674462	Ca_Kabuli_Chr05	NC_021164.1	23674462	TT	CC	CC	URR	101514146	Unknown function
SNP_25026B_23674485	Ca_Kabuli_Chr05	NC_021164.1	23674485	AA	GG	GG	URR	101514146	Unknown function
SNP_25027B_23674525	Ca_Kabuli_Chr05	NC_021164.1	23674525	TT	CC	CC	URR	101514146	Unknown function
SNP_25028B_23674586	Ca_Kabuli_Chr05	NC_021164.1	23674586	TT	CC	CC	URR	101514146	Unknown function
SNP_25029B_23674595	Ca_Kabuli_Chr05	NC_021164.1	23674595	TT	CC	CC	URR	101514146	Unknown function
SNP_25030B_23674758	Ca_Kabuli_Chr05	NC_021164.1	23674758	TT	CC	CC	URR	101514146	Unknown function
SNP_25031B_23674768	Ca_Kabuli_Chr05	NC_021164.1	23674768	CC	TT	TT	URR	101514146	Unknown function
SNP_25032B_23674846	Ca_Kabuli_Chr05	NC_021164.1	23674846	TT	CC	CC	URR	101514146	Unknown function
SNP_25033B_23674893	Ca_Kabuli_Chr05	NC_021164.1	23674893	AA	GG	GG	URR	101514146	Unknown function
SNP_25035B_23689684	Ca_Kabuli_Chr05	NC_021164.1	23689684	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_25036B_23948553	Ca_Kabuli_Chr05	NC_021164.1	23948553	AA	TT	TT	URR	101492095	chaperone protein dnaJ 11, chloroplastic-like
SNP_25037B_23978688	Ca_Kabuli_Chr05	NC_021164.1	23978688	GG	AA	AA	INTERGENIC		
SNP_25039B_24007395	Ca_Kabuli_Chr05	NC_021164.1	24007395	CC	TT	TT	INTERGENIC		
SNP_25040B_24007396	Ca_Kabuli_Chr05	NC_021164.1	24007396	AA	CC	CC	INTERGENIC		
SNP_25041B_24007434	Ca_Kabuli_Chr05	NC_021164.1	24007434	GG	AA	AA	INTERGENIC		
SNP_25043B_24097291	Ca_Kabuli_Chr05	NC_021164.1	24097291	TT	CC	CC	INTERGENIC		
SNP_25045B_24124147	Ca_Kabuli_Chr05	NC_021164.1	24124147	TT	CC	CC	INTERGENIC		
SNP_25046B_24124148	Ca_Kabuli_Chr05	NC_021164.1	24124148	CC	AA	AA	INTERGENIC		
SNP_25047B_24147920	Ca_Kabuli_Chr05	NC_021164.1	24147920	GG	TT	TT	INTERGENIC		
SNP_25048B_24147951	Ca_Kabuli_Chr05	NC_021164.1	24147951	TT	GG	GG	INTERGENIC		
SNP_25050B_24157268	Ca_Kabuli_Chr05	NC_021164.1	24157268	CC	TT	TT	INTERGENIC		
SNP_25051B_24157319	Ca_Kabuli_Chr05	NC_021164.1	24157319	CC	TT	TT	INTERGENIC		
SNP_25052B_24223887	Ca_Kabuli_Chr05	NC_021164.1	24223887	TT	GG	GG	URR	101494804	Unknown function
SNP_25053B_24224156	Ca_Kabuli_Chr05	NC_021164.1	24224156	TT	CC	CC	URR	101494804	Unknown function
SNP_25054B_24235883	Ca_Kabuli_Chr05	NC_021164.1	24235883	CC	TT	TT	INTRON	id102153	Unknown function
SNP_25055B_24251813	Ca_Kabuli_Chr05	NC_021164.1	24251813	CC	TT	TT	INTERGENIC		
SNP_25056B_24261364	Ca_Kabuli_Chr05	NC_021164.1	24261364	GG	AA	AA	INTERGENIC		
SNP_25057B_24270348	Ca_Kabuli_Chr05	NC_021164.1	24270348	TT	GG	GG	INTERGENIC		
SNP_25058B_24270698	Ca_Kabuli_Chr05	NC_021164.1	24270698	AA	GG	GG	INTERGENIC		
SNP_25059B_24270727	Ca_Kabuli_Chr05	NC_021164.1	24270727	AA	GG	GG	INTERGENIC		
SNP_25060B_24270825	Ca_Kabuli_Chr05	NC_021164.1	24270825	GG	AA	AA	INTERGENIC		
SNP_25061B_24277139	Ca_Kabuli_Chr05	NC_021164.1	24277139	AA	GG	GG	INTERGENIC		
SNP_25062B_24277168	Ca_Kabuli_Chr05	NC_021164.1	24277168	AA	GG	GG	INTERGENIC		
SNP_25063B_24277172	Ca_Kabuli_Chr05	NC_021164.1	24277172	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_25065B_24300954	Ca_Kabuli_Chr05	NC_021164.1	24300954	AA	GG	GG	INTERGENIC		
SNP_25066B_24300995	Ca_Kabuli_Chr05	NC_021164.1	24300995	GG	CC	CC	INTERGENIC		
SNP_25067B_24326797	Ca_Kabuli_Chr05	NC_021164.1	24326797	GG	AA	AA	DRR	101495132	Unknown function
SNP_25068B_24327693	Ca_Kabuli_Chr05	NC_021164.1	24327693	AA	CC	CC	NON_SYNONYMOUS_CODING	101495132	Unknown function
SNP_25069B_24327708	Ca_Kabuli_Chr05	NC_021164.1	24327708	AA	GG	GG	NON_SYNONYMOUS_CODING	101495132	Unknown function
SNP_25070B_24327903	Ca_Kabuli_Chr05	NC_021164.1	24327903	CC	TT	TT	NON_SYNONYMOUS_CODING	101495132	Unknown function
SNP_25071B_24452364	Ca_Kabuli_Chr05	NC_021164.1	24452364	CC	TT	TT	URR	101506639	ruvB-like 2
SNP_25072B_24498439	Ca_Kabuli_Chr05	NC_021164.1	24498439	AA	GG	GG	INTERGENIC		
SNP_25073B_24505821	Ca_Kabuli_Chr05	NC_021164.1	24505821	CC	TT	TT	INTERGENIC		
SNP_25074B_24505836	Ca_Kabuli_Chr05	NC_021164.1	24505836	AA	GG	GG	INTERGENIC		
SNP_25076B_24532449	Ca_Kabuli_Chr05	NC_021164.1	24532449	CC	TT	TT	INTERGENIC		
SNP_25077B_24532530	Ca_Kabuli_Chr05	NC_021164.1	24532530	CC	TT	TT	INTERGENIC		
SNP_25078B_24532540	Ca_Kabuli_Chr05	NC_021164.1	24532540	AA	GG	GG	INTERGENIC		
SNP_25079B_24532548	Ca_Kabuli_Chr05	NC_021164.1	24532548	TT	CC	CC	INTERGENIC		
SNP_25080B_24532604	Ca_Kabuli_Chr05	NC_021164.1	24532604	GG	AA	AA	INTERGENIC		
SNP_25081B_24532819	Ca_Kabuli_Chr05	NC_021164.1	24532819	AA	TT	TT	INTERGENIC		
SNP_25083B_24532855	Ca_Kabuli_Chr05	NC_021164.1	24532855	TT	CC	CC	INTERGENIC		
SNP_25084B_24532883	Ca_Kabuli_Chr05	NC_021164.1	24532883	GG	AA	AA	INTERGENIC		
SNP_25085B_24532904	Ca_Kabuli_Chr05	NC_021164.1	24532904	CC	TT	TT	INTERGENIC		
SNP_25086B_24576561	Ca_Kabuli_Chr05	NC_021164.1	24576561	AA	GG	GG	INTERGENIC		
SNP_25087B_24576593	Ca_Kabuli_Chr05	NC_021164.1	24576593	TT	CC	CC	INTERGENIC		
SNP_25088B_24581367	Ca_Kabuli_Chr05	NC_021164.1	24581367	CC	TT	TT	INTERGENIC		
SNP_25090B_24639135	Ca_Kabuli_Chr05	NC_021164.1	24639135	TT	GG	GG	INTRON	101497753	disease resistance protein At4g27190-like
SNP_25091B_24639254	Ca_Kabuli_Chr05	NC_021164.1	24639254	TT	CC	CC	INTRON	101497753	disease resistance protein At4g27190-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_25093B_24755888	Ca_Kabuli_Chr05	NC_021164.1	24755888	TT	AA	AA	INTERGENIC		
SNP_25094B_24755893	Ca_Kabuli_Chr05	NC_021164.1	24755893	GG	TT	TT	INTERGENIC		
SNP_25095B_24756085	Ca_Kabuli_Chr05	NC_021164.1	24756085	GG	CC	CC	INTERGENIC		
SNP_25096B_24756401	Ca_Kabuli_Chr05	NC_021164.1	24756401	AA	TT	TT	INTERGENIC		
SNP_25097B_24764505	Ca_Kabuli_Chr05	NC_021164.1	24764505	TT	CC	CC	INTERGENIC		
SNP_25098B_24862085	Ca_Kabuli_Chr05	NC_021164.1	24862085	TT	CC	CC	INTERGENIC		
SNP_25099B_24862734	Ca_Kabuli_Chr05	NC_021164.1	24862734	TT	AA	AA	INTERGENIC		
SNP_25100B_24863994	Ca_Kabuli_Chr05	NC_021164.1	24863994	AA	CC	CC	INTERGENIC		
SNP_25101B_24922969	Ca_Kabuli_Chr05	NC_021164.1	24922969	TT	GG	GG	INTERGENIC		
SNP_25102B_24922987	Ca_Kabuli_Chr05	NC_021164.1	24922987	CC	AA	AA	INTERGENIC		
SNP_25103B_24923629	Ca_Kabuli_Chr05	NC_021164.1	24923629	TT	CC	CC	INTERGENIC		
SNP_25104B_24923632	Ca_Kabuli_Chr05	NC_021164.1	24923632	TT	AA	AA	INTERGENIC		
SNP_25105B_24928850	Ca_Kabuli_Chr05	NC_021164.1	24928850	GG	AA	AA	INTERGENIC		
SNP_25106B_24982143	Ca_Kabuli_Chr05	NC_021164.1	24982143	GG	AA	AA	INTERGENIC		
SNP_25107B_24994903	Ca_Kabuli_Chr05	NC_021164.1	24994903	AA	GG	GG	INTERGENIC		
SNP_25108B_24994939	Ca_Kabuli_Chr05	NC_021164.1	24994939	AA	GG	GG	INTERGENIC		
SNP_25109B_24994994	Ca_Kabuli_Chr05	NC_021164.1	24994994	AA	GG	GG	INTERGENIC		
SNP_25111B_25230823	Ca_Kabuli_Chr05	NC_021164.1	25230823	TT	AA	AA	INTERGENIC		
SNP_25112B_25230834	Ca_Kabuli_Chr05	NC_021164.1	25230834	GG	AA	AA	INTERGENIC		
SNP_25113B_25230835	Ca_Kabuli_Chr05	NC_021164.1	25230835	AA	CC	CC	INTERGENIC		
SNP_25114B_25230879	Ca_Kabuli_Chr05	NC_021164.1	25230879	CC	AA	AA	INTERGENIC		
SNP_25115B_25230897	Ca_Kabuli_Chr05	NC_021164.1	25230897	TT	AA	AA	INTERGENIC		
SNP_25116B_25232440	Ca_Kabuli_Chr05	NC_021164.1	25232440	TT	CC	CC	INTERGENIC		
SNP_25117B_25232455	Ca_Kabuli_Chr05	NC_021164.1	25232455	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_25118B_25232466	Ca_Kabuli_Chr05	NC_021164.1	25232466	AA	CC	CC	INTERGENIC		
SNP_25120B_25232512	Ca_Kabuli_Chr05	NC_021164.1	25232512	AA	CC	CC	INTERGENIC		
SNP_25122B_25232850	Ca_Kabuli_Chr05	NC_021164.1	25232850	GG	AA	AA	INTERGENIC		
SNP_25123B_25243049	Ca_Kabuli_Chr05	NC_021164.1	25243049	AA	TT	TT	DRR	101500342	uncharacterized LOC101500342
SNP_25124B_25243441	Ca_Kabuli_Chr05	NC_021164.1	25243441	GG	AA	AA	SYNONYMOUS_CODING	101500342	uncharacterized LOC101500342
SNP_25125B_25245845	Ca_Kabuli_Chr05	NC_021164.1	25245845	TT	CC	CC	INTRON	101500342	uncharacterized LOC101500342
SNP_25126B_25246214	Ca_Kabuli_Chr05	NC_021164.1	25246214	TT	CC	CC	NON_SYNONYMOUS_CODING	101500342	uncharacterized LOC101500342
SNP_25127B_25275121	Ca_Kabuli_Chr05	NC_021164.1	25275121	TT	AA	AA	INTERGENIC		
SNP_25128B_25287534	Ca_Kabuli_Chr05	NC_021164.1	25287534	GG	TT	TT	INTERGENIC		
SNP_25129B_25288153	Ca_Kabuli_Chr05	NC_021164.1	25288153	GG	AA	AA	INTERGENIC		
SNP_25130B_25298830	Ca_Kabuli_Chr05	NC_021164.1	25298830	GG	AA	AA	INTERGENIC		
SNP_25131B_25298833	Ca_Kabuli_Chr05	NC_021164.1	25298833	AA	TT	TT	INTERGENIC		
SNP_25132B_25298888	Ca_Kabuli_Chr05	NC_021164.1	25298888	TT	AA	AA	INTERGENIC		
SNP_25133B_25298890	Ca_Kabuli_Chr05	NC_021164.1	25298890	CC	TT	TT	INTERGENIC		
SNP_25134B_25299069	Ca_Kabuli_Chr05	NC_021164.1	25299069	CC	TT	TT	INTERGENIC		
SNP_25135B_25304290	Ca_Kabuli_Chr05	NC_021164.1	25304290	TT	GG	GG	INTERGENIC		
SNP_25136B_25304307	Ca_Kabuli_Chr05	NC_021164.1	25304307	TT	CC	CC	INTERGENIC		
SNP_25137B_25304311	Ca_Kabuli_Chr05	NC_021164.1	25304311	GG	TT	TT	INTERGENIC		
SNP_25138B_25304447	Ca_Kabuli_Chr05	NC_021164.1	25304447	TT	CC	CC	INTERGENIC		
SNP_25139B_25424056	Ca_Kabuli_Chr05	NC_021164.1	25424056	TT	CC	CC	INTERGENIC		
SNP_25140B_25491103	Ca_Kabuli_Chr05	NC_021164.1	25491103	TT	CC	CC	INTERGENIC		
SNP_25141B_25522140	Ca_Kabuli_Chr05	NC_021164.1	25522140	CC	GG	GG	INTERGENIC		
SNP_25142B_25524459	Ca_Kabuli_Chr05	NC_021164.1	25524459	AA	CC	CC	INTERGENIC		
SNP_25143B_25531157	Ca_Kabuli_Chr05	NC_021164.1	25531157	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_25146B_25578113	Ca_Kabuli_Chr05	NC_021164.1	25578113	AA	CC	CC	INTERGENIC		
SNP_25148B_25614796	Ca_Kabuli_Chr05	NC_021164.1	25614796	GG	AA	AA	INTERGENIC		
SNP_25149B_25657008	Ca_Kabuli_Chr05	NC_021164.1	25657008	TT	CC	CC	INTERGENIC		
SNP_25150B_25769500	Ca_Kabuli_Chr05	NC_021164.1	25769500	AA	GG	GG	INTERGENIC		
SNP_25151B_25802216	Ca_Kabuli_Chr05	NC_021164.1	25802216	AA	GG	GG	INTERGENIC		
SNP_25153B_25802262	Ca_Kabuli_Chr05	NC_021164.1	25802262	GG	AA	AA	INTERGENIC		
SNP_25154B_25803726	Ca_Kabuli_Chr05	NC_021164.1	25803726	CC	GG	GG	INTERGENIC		
SNP_25155B_25803731	Ca_Kabuli_Chr05	NC_021164.1	25803731	CC	TT	TT	INTERGENIC		
SNP_25157B_25803883	Ca_Kabuli_Chr05	NC_021164.1	25803883	TT	GG	GG	INTERGENIC		
SNP_25158B_25803912	Ca_Kabuli_Chr05	NC_021164.1	25803912	TT	CC	CC	INTERGENIC		
SNP_25159B_25804029	Ca_Kabuli_Chr05	NC_021164.1	25804029	GG	AA	AA	INTERGENIC		
SNP_25160B_25804093	Ca_Kabuli_Chr05	NC_021164.1	25804093	CC	TT	TT	INTERGENIC		
SNP_25161B_25810020	Ca_Kabuli_Chr05	NC_021164.1	25810020	GG	AA	AA	INTERGENIC		
SNP_25162B_25836446	Ca_Kabuli_Chr05	NC_021164.1	25836446	CC	AA	AA	INTERGENIC		
SNP_25163B_25836538	Ca_Kabuli_Chr05	NC_021164.1	25836538	TT	AA	AA	INTERGENIC		
SNP_25164B_25836635	Ca_Kabuli_Chr05	NC_021164.1	25836635	CC	TT	TT	INTERGENIC		
SNP_25165B_25836690	Ca_Kabuli_Chr05	NC_021164.1	25836690	AA	CC	CC	INTERGENIC		
SNP_25166B_25836706	Ca_Kabuli_Chr05	NC_021164.1	25836706	TT	CC	CC	INTERGENIC		
SNP_25167B_25840875	Ca_Kabuli_Chr05	NC_021164.1	25840875	CC	TT	TT	INTERGENIC		
SNP_25168B_25840887	Ca_Kabuli_Chr05	NC_021164.1	25840887	TT	CC	CC	INTERGENIC		
SNP_25169B_25847880	Ca_Kabuli_Chr05	NC_021164.1	25847880	AA	CC	CC	INTERGENIC		
SNP_25170B_25861494	Ca_Kabuli_Chr05	NC_021164.1	25861494	TT	CC	CC	INTERGENIC		
SNP_25171B_25861512	Ca_Kabuli_Chr05	NC_021164.1	25861512	TT	AA	AA	INTERGENIC		
SNP_25172B_25955187	Ca_Kabuli_Chr05	NC_021164.1	25955187	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_25173B_25985508	Ca_Kabuli_Chr05	NC_021164.1	25985508	AA	GG	GG	INTRON	101502878	isoleucine N-monooxygenase 2-like
SNP_25174B_26077290	Ca_Kabuli_Chr05	NC_021164.1	26077290	AA	GG	GG	INTERGENIC		
SNP_25175B_26077341	Ca_Kabuli_Chr05	NC_021164.1	26077341	CC	TT	TT	INTERGENIC		
SNP_25176B_26077393	Ca_Kabuli_Chr05	NC_021164.1	26077393	AA	GG	GG	INTERGENIC		
SNP_25177B_26077754	Ca_Kabuli_Chr05	NC_021164.1	26077754	GG	TT	TT	INTERGENIC		
SNP_25178B_26077808	Ca_Kabuli_Chr05	NC_021164.1	26077808	CC	TT	TT	INTERGENIC		
SNP_25179B_26077864	Ca_Kabuli_Chr05	NC_021164.1	26077864	TT	GG	GG	INTERGENIC		
SNP_25180B_26078188	Ca_Kabuli_Chr05	NC_021164.1	26078188	GG	AA	AA	INTERGENIC		
SNP_25182B_26281314	Ca_Kabuli_Chr05	NC_021164.1	26281314	TT	AA	AA	INTRON	101488643	UDP-glycosyltransferase 87A1-like
SNP_25183B_26285400	Ca_Kabuli_Chr05	NC_021164.1	26285400	TT	AA	AA	URR	101488643	UDP-glycosyltransferase 87A1-like
SNP_25184B_26285409	Ca_Kabuli_Chr05	NC_021164.1	26285409	CC	TT	TT	URR	101488643	UDP-glycosyltransferase 87A1-like
SNP_25185B_26333626	Ca_Kabuli_Chr05	NC_021164.1	26333626	TT	CC	CC	URR	101505785	uncharacterized LOC101505785
SNP_25186B_26424859	Ca_Kabuli_Chr05	NC_021164.1	26424859	AA	GG	GG	URR	101506752	uncharacterized LOC101506752
SNP_25187B_26449343	Ca_Kabuli_Chr05	NC_021164.1	26449343	CC	TT	TT	INTERGENIC		
SNP_25188B_26454077	Ca_Kabuli_Chr05	NC_021164.1	26454077	TT	GG	GG	INTERGENIC		
SNP_25189B_26454136	Ca_Kabuli_Chr05	NC_021164.1	26454136	TT	AA	AA	INTERGENIC		
SNP_25190B_26454172	Ca_Kabuli_Chr05	NC_021164.1	26454172	GG	AA	AA	INTERGENIC		
SNP_25191B_26454210	Ca_Kabuli_Chr05	NC_021164.1	26454210	GG	AA	AA	INTERGENIC		
SNP_25192B_26454469	Ca_Kabuli_Chr05	NC_021164.1	26454469	AA	TT	TT	INTERGENIC		
SNP_25193B_26454475	Ca_Kabuli_Chr05	NC_021164.1	26454475	TT	GG	GG	INTERGENIC		
SNP_25194B_26454480	Ca_Kabuli_Chr05	NC_021164.1	26454480	TT	CC	CC	INTERGENIC		
SNP_25195B_26454499	Ca_Kabuli_Chr05	NC_021164.1	26454499	AA	GG	GG	INTERGENIC		
SNP_25196B_26456545	Ca_Kabuli_Chr05	NC_021164.1	26456545	AA	GG	GG	INTERGENIC		
SNP_25197B_26456995	Ca_Kabuli_Chr05	NC_021164.1	26456995	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_25199B_26457176	Ca_Kabuli_Chr05	NC_021164.1	26457176	AA	CC	CC	INTERGENIC		
SNP_25200B_26457181	Ca_Kabuli_Chr05	NC_021164.1	26457181	TT	CC	CC	INTERGENIC		
SNP_25201B_26461676	Ca_Kabuli_Chr05	NC_021164.1	26461676	CC	TT	TT	INTERGENIC		
SNP_25203B_26799718	Ca_Kabuli_Chr05	NC_021164.1	26799718	CC	AA	AA	URR	101509313	uncharacterized LOC101509313
SNP_25204B_26856682	Ca_Kabuli_Chr05	NC_021164.1	26856682	AA	TT	TT	INTERGENIC		
SNP_25205B_26889538	Ca_Kabuli_Chr05	NC_021164.1	26889538	GG	AA	AA	INTERGENIC		
SNP_25206B_26889539	Ca_Kabuli_Chr05	NC_021164.1	26889539	TT	CC	CC	INTERGENIC		
SNP_25207B_26889555	Ca_Kabuli_Chr05	NC_021164.1	26889555	GG	AA	AA	INTERGENIC		
SNP_25208B_26889557	Ca_Kabuli_Chr05	NC_021164.1	26889557	TT	CC	CC	INTERGENIC		
SNP_25209B_26935803	Ca_Kabuli_Chr05	NC_021164.1	26935803	CC	AA	AA	INTRON	101512212	Unknown function
SNP_25210B_26987645	Ca_Kabuli_Chr05	NC_021164.1	26987645	TT	AA	AA	SYNONYMOUS_CODING	101513174	uncharacterized LOC101513174
SNP_25211B_26987679	Ca_Kabuli_Chr05	NC_021164.1	26987679	AA	GG	GG	NON_SYNONYMOUS_CODING	101513174	uncharacterized LOC101513174
SNP_25212B_26987707	Ca_Kabuli_Chr05	NC_021164.1	26987707	TT	CC	CC	NON_SYNONYMOUS_CODING	101513174	uncharacterized LOC101513174
SNP_25213B_26987788	Ca_Kabuli_Chr05	NC_021164.1	26987788	AA	GG	GG	STOP_LOST	101513174	uncharacterized LOC101513174
SNP_25214B_26988136	Ca_Kabuli_Chr05	NC_021164.1	26988136	GG	TT	TT	URR	101513174	uncharacterized LOC101513174
SNP_25215B_26988162	Ca_Kabuli_Chr05	NC_021164.1	26988162	TT	CC	CC	URR	101513174	uncharacterized LOC101513174
SNP_25216B_26988206	Ca_Kabuli_Chr05	NC_021164.1	26988206	CC	TT	TT	URR	101513174	uncharacterized LOC101513174
SNP_25217B_26988211	Ca_Kabuli_Chr05	NC_021164.1	26988211	CC	TT	TT	URR	101513174	uncharacterized LOC101513174
SNP_25218B_26988271	Ca_Kabuli_Chr05	NC_021164.1	26988271	TT	CC	CC	URR	101513174	uncharacterized LOC101513174
SNP_25219B_26988367	Ca_Kabuli_Chr05	NC_021164.1	26988367	TT	CC	CC	URR	101513174	uncharacterized LOC101513174
SNP_25220B_26988417	Ca_Kabuli_Chr05	NC_021164.1	26988417	TT	CC	CC	URR	101513174	uncharacterized LOC101513174
SNP_25221B_26988445	Ca_Kabuli_Chr05	NC_021164.1	26988445	TT	CC	CC	URR	101513174	uncharacterized LOC101513174
SNP_25222B_26989104	Ca_Kabuli_Chr05	NC_021164.1	26989104	AA	TT	TT	URR	101513174	uncharacterized LOC101513174
SNP_25223B_26989121	Ca_Kabuli_Chr05	NC_021164.1	26989121	CC	TT	TT	URR	101513174	uncharacterized LOC101513174

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_25225B_26989181	Ca_Kabuli_Chr05	NC_021164.1	26989181	TT	CC	CC	URR	101513174	uncharacterized LOC101513174
SNP_25226B_26989268	Ca_Kabuli_Chr05	NC_021164.1	26989268	TT	AA	AA	URR	101513174	uncharacterized LOC101513174
SNP_25227B_26989282	Ca_Kabuli_Chr05	NC_021164.1	26989282	AA	CC	CC	URR	101513174	uncharacterized LOC101513174
SNP_25228B_26989455	Ca_Kabuli_Chr05	NC_021164.1	26989455	TT	CC	CC	URR	101513174	uncharacterized LOC101513174
SNP_25229B_26989457	Ca_Kabuli_Chr05	NC_021164.1	26989457	GG	AA	AA	URR	101513174	uncharacterized LOC101513174
SNP_25230B_26994524	Ca_Kabuli_Chr05	NC_021164.1	26994524	AA	TT	TT	INTERGENIC		
SNP_25231B_26994526	Ca_Kabuli_Chr05	NC_021164.1	26994526	TT	AA	AA	INTERGENIC		
SNP_25233B_26994661	Ca_Kabuli_Chr05	NC_021164.1	26994661	CC	AA	AA	INTERGENIC		
SNP_25234B_26994821	Ca_Kabuli_Chr05	NC_021164.1	26994821	TT	GG	GG	INTERGENIC		
SNP_25235B_26994864	Ca_Kabuli_Chr05	NC_021164.1	26994864	TT	CC	CC	INTERGENIC		
SNP_25236B_26994930	Ca_Kabuli_Chr05	NC_021164.1	26994930	TT	CC	CC	INTERGENIC		
SNP_25237B_26994958	Ca_Kabuli_Chr05	NC_021164.1	26994958	TT	CC	CC	INTERGENIC		
SNP_25238B_26994986	Ca_Kabuli_Chr05	NC_021164.1	26994986	TT	CC	CC	INTERGENIC		
SNP_25240B_26995062	Ca_Kabuli_Chr05	NC_021164.1	26995062	AA	GG	GG	INTERGENIC		
SNP_25241B_26995118	Ca_Kabuli_Chr05	NC_021164.1	26995118	GG	AA	AA	INTERGENIC		
SNP_25242B_26995132	Ca_Kabuli_Chr05	NC_021164.1	26995132	AA	TT	TT	INTERGENIC		
SNP_25244B_26996045	Ca_Kabuli_Chr05	NC_021164.1	26996045	CC	AA	AA	DRR	101503208	Unknown function
SNP_25245B_26996074	Ca_Kabuli_Chr05	NC_021164.1	26996074	TT	CC	CC	DRR	101503208	Unknown function
SNP_25246B_26996096	Ca_Kabuli_Chr05	NC_021164.1	26996096	AA	GG	GG	DRR	101503208	Unknown function
SNP_25247B_26996104	Ca_Kabuli_Chr05	NC_021164.1	26996104	TT	CC	CC	DRR	101503208	Unknown function
SNP_25248B_26996105	Ca_Kabuli_Chr05	NC_021164.1	26996105	TT	CC	CC	DRR	101503208	Unknown function
SNP_25249B_26996106	Ca_Kabuli_Chr05	NC_021164.1	26996106	AA	GG	GG	DRR	101503208	Unknown function
SNP_25251B_26996197	Ca_Kabuli_Chr05	NC_021164.1	26996197	AA	GG	GG	DRR	101503208	Unknown function
SNP_25252B_26996207	Ca_Kabuli_Chr05	NC_021164.1	26996207	TT	CC	CC	DRR	101503208	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_25253B_26996218	Ca_Kabuli_Chr05	NC_021164.1	26996218	TT	GG	GG	DRR	101503208	Unknown function
SNP_25254B_26996352	Ca_Kabuli_Chr05	NC_021164.1	26996352	TT	CC	CC	INTERGENIC		
SNP_25255B_26996382	Ca_Kabuli_Chr05	NC_021164.1	26996382	AA	GG	GG	INTERGENIC		
SNP_25256B_26996391	Ca_Kabuli_Chr05	NC_021164.1	26996391	TT	GG	GG	INTERGENIC		
SNP_25257B_26996409	Ca_Kabuli_Chr05	NC_021164.1	26996409	AA	CC	CC	INTERGENIC		
SNP_25258B_26996436	Ca_Kabuli_Chr05	NC_021164.1	26996436	AA	GG	GG	INTERGENIC		
SNP_25259B_26996475	Ca_Kabuli_Chr05	NC_021164.1	26996475	AA	GG	GG	INTERGENIC		
SNP_25260B_26996485	Ca_Kabuli_Chr05	NC_021164.1	26996485	AA	GG	GG	INTERGENIC		
SNP_25261B_26996515	Ca_Kabuli_Chr05	NC_021164.1	26996515	TT	CC	CC	INTERGENIC		
SNP_25262B_26996536	Ca_Kabuli_Chr05	NC_021164.1	26996536	TT	GG	GG	INTERGENIC		
SNP_25263B_26996555	Ca_Kabuli_Chr05	NC_021164.1	26996555	TT	CC	CC	INTERGENIC		
SNP_25264B_26996764	Ca_Kabuli_Chr05	NC_021164.1	26996764	AA	GG	GG	INTERGENIC		
SNP_25265B_26996793	Ca_Kabuli_Chr05	NC_021164.1	26996793	AA	GG	GG	INTERGENIC		
SNP_25267B_26996819	Ca_Kabuli_Chr05	NC_021164.1	26996819	CC	TT	TT	INTERGENIC		
SNP_25268B_26996903	Ca_Kabuli_Chr05	NC_021164.1	26996903	GG	AA	AA	INTERGENIC		
SNP_25269B_26996912	Ca_Kabuli_Chr05	NC_021164.1	26996912	GG	AA	AA	INTERGENIC		
SNP_25270B_26996927	Ca_Kabuli_Chr05	NC_021164.1	26996927	AA	GG	GG	INTERGENIC		
SNP_25271B_26997057	Ca_Kabuli_Chr05	NC_021164.1	26997057	TT	CC	CC	INTERGENIC		
SNP_25272B_26997067	Ca_Kabuli_Chr05	NC_021164.1	26997067	AA	GG	GG	INTERGENIC		
SNP_25273B_26997209	Ca_Kabuli_Chr05	NC_021164.1	26997209	TT	CC	CC	INTERGENIC		
SNP_25274B_26997245	Ca_Kabuli_Chr05	NC_021164.1	26997245	TT	CC	CC	INTERGENIC		
SNP_25275B_26997263	Ca_Kabuli_Chr05	NC_021164.1	26997263	AA	CC	CC	INTERGENIC		
SNP_25276B_26997489	Ca_Kabuli_Chr05	NC_021164.1	26997489	AA	GG	GG	INTERGENIC		
SNP_25277B_26997512	Ca_Kabuli_Chr05	NC_021164.1	26997512	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_25278B_26997632	Ca_Kabuli_Chr05	NC_021164.1	26997632	TT	GG	GG	INTERGENIC		
SNP_25279B_26997647	Ca_Kabuli_Chr05	NC_021164.1	26997647	TT	CC	CC	INTERGENIC		
SNP_25280B_26997826	Ca_Kabuli_Chr05	NC_021164.1	26997826	TT	CC	CC	DRR	101502877	Unknown function
SNP_25281B_26997832	Ca_Kabuli_Chr05	NC_021164.1	26997832	TT	CC	CC	DRR	101502877	Unknown function
SNP_25282B_26997868	Ca_Kabuli_Chr05	NC_021164.1	26997868	AA	CC	CC	DRR	101502877	Unknown function
SNP_25283B_26997927	Ca_Kabuli_Chr05	NC_021164.1	26997927	AA	CC	CC	DRR	101502877	Unknown function
SNP_25284B_26997937	Ca_Kabuli_Chr05	NC_021164.1	26997937	TT	CC	CC	DRR	101502877	Unknown function
SNP_25285B_26997968	Ca_Kabuli_Chr05	NC_021164.1	26997968	AA	GG	GG	DRR	101502877	Unknown function
SNP_25286B_26997987	Ca_Kabuli_Chr05	NC_021164.1	26997987	TT	CC	CC	DRR	101502877	Unknown function
SNP_25287B_26997997	Ca_Kabuli_Chr05	NC_021164.1	26997997	TT	GG	GG	DRR	101502877	Unknown function
SNP_25288B_26998004	Ca_Kabuli_Chr05	NC_021164.1	26998004	TT	CC	CC	DRR	101502877	Unknown function
SNP_25289B_26998028	Ca_Kabuli_Chr05	NC_021164.1	26998028	TT	CC	CC	DRR	101502877	Unknown function
SNP_25290B_26998036	Ca_Kabuli_Chr05	NC_021164.1	26998036	AA	CC	CC	DRR	101502877	Unknown function
SNP_25291B_26998051	Ca_Kabuli_Chr05	NC_021164.1	26998051	AA	GG	GG	DRR	101502877	Unknown function
SNP_25292B_26998141	Ca_Kabuli_Chr05	NC_021164.1	26998141	AA	GG	GG	DRR	101502877	Unknown function
SNP_25293B_26998172	Ca_Kabuli_Chr05	NC_021164.1	26998172	AA	CC	CC	DRR	101502877	Unknown function
SNP_25294B_26998219	Ca_Kabuli_Chr05	NC_021164.1	26998219	TT	CC	CC	DRR	101502877	Unknown function
SNP_25295B_26998354	Ca_Kabuli_Chr05	NC_021164.1	26998354	TT	CC	CC	DRR	101502877	Unknown function
SNP_25296B_26998414	Ca_Kabuli_Chr05	NC_021164.1	26998414	TT	CC	CC	DRR	101502877	Unknown function
SNP_25297B_26998429	Ca_Kabuli_Chr05	NC_021164.1	26998429	TT	CC	CC	DRR	101502877	Unknown function
SNP_25298B_26998483	Ca_Kabuli_Chr05	NC_021164.1	26998483	TT	CC	CC	DRR	101502877	Unknown function
SNP_25299B_26998558	Ca_Kabuli_Chr05	NC_021164.1	26998558	GG	CC	CC	DRR	101502877	Unknown function
SNP_25300B_26998614	Ca_Kabuli_Chr05	NC_021164.1	26998614	CC	GG	GG	DRR	101502877	Unknown function
SNP_25301B_26998624	Ca_Kabuli_Chr05	NC_021164.1	26998624	TT	CC	CC	DRR	101502877	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_25302B_26998653	Ca_Kabuli_Chr05	NC_021164.1	26998653	AA	GG	GG	DRR	101502877	Unknown function
SNP_25303B_26998683	Ca_Kabuli_Chr05	NC_021164.1	26998683	TT	CC	CC	DRR	101502877	Unknown function
SNP_25304B_26998848	Ca_Kabuli_Chr05	NC_021164.1	26998848	AA	CC	CC	INTERGENIC		
SNP_25305B_26998866	Ca_Kabuli_Chr05	NC_021164.1	26998866	AA	GG	GG	INTERGENIC		
SNP_25306B_26998891	Ca_Kabuli_Chr05	NC_021164.1	26998891	AA	GG	GG	INTERGENIC		
SNP_25307B_26998900	Ca_Kabuli_Chr05	NC_021164.1	26998900	AA	GG	GG	INTERGENIC		
SNP_25308B_26998937	Ca_Kabuli_Chr05	NC_021164.1	26998937	GG	TT	TT	INTERGENIC		
SNP_25309B_26999584	Ca_Kabuli_Chr05	NC_021164.1	26999584	TT	CC	CC	URR	101503208	Unknown function
SNP_25310B_26999645	Ca_Kabuli_Chr05	NC_021164.1	26999645	GG	TT	TT	URR	101503208	Unknown function
SNP_25311B_26999681	Ca_Kabuli_Chr05	NC_021164.1	26999681	AA	CC	CC	URR	101503208	Unknown function
SNP_25312B_26999797	Ca_Kabuli_Chr05	NC_021164.1	26999797	AA	GG	GG	URR	101503208	Unknown function
SNP_25313B_26999813	Ca_Kabuli_Chr05	NC_021164.1	26999813	TT	GG	GG	URR	101503208	Unknown function
SNP_25314B_26999851	Ca_Kabuli_Chr05	NC_021164.1	26999851	CC	AA	AA	URR	101503208	Unknown function
SNP_25315B_26999898	Ca_Kabuli_Chr05	NC_021164.1	26999898	AA	GG	GG	URR	101503208	Unknown function
SNP_25316B_26999903	Ca_Kabuli_Chr05	NC_021164.1	26999903	TT	AA	AA	URR	101503208	Unknown function
SNP_25317B_26999950	Ca_Kabuli_Chr05	NC_021164.1	26999950	AA	TT	TT	URR	101503208	Unknown function
SNP_25319B_27000104	Ca_Kabuli_Chr05	NC_021164.1	27000104	AA	CC	CC	URR	101503208	Unknown function
SNP_25321B_27000280	Ca_Kabuli_Chr05	NC_021164.1	27000280	TT	GG	GG	DRR	101410558	transfer RNA methionine (anticodon CAU)
SNP_25322B_27000295	Ca_Kabuli_Chr05	NC_021164.1	27000295	AA	CC	CC	DRR	101410558	transfer RNA methionine (anticodon CAU)
SNP_25323B_27000343	Ca_Kabuli_Chr05	NC_021164.1	27000343	TT	CC	CC	DRR	101410558	transfer RNA methionine (anticodon CAU)
SNP_25324B_27000385	Ca_Kabuli_Chr05	NC_021164.1	27000385	TT	CC	CC	DRR	101410558	transfer RNA methionine (anticodon CAU)
SNP_25325B_27000509	Ca_Kabuli_Chr05	NC_021164.1	27000509	GG	AA	AA	DRR	101410558	transfer RNA methionine (anticodon CAU)
SNP_25326B_27000545	Ca_Kabuli_Chr05	NC_021164.1	27000545	GG	TT	TT	DRR	101410558	transfer RNA methionine (anticodon CAU)
SNP_25327B_27000550	Ca_Kabuli_Chr05	NC_021164.1	27000550	CC	TT	TT	DRR	101410558	transfer RNA methionine (anticodon CAU)

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_25328B_27000627	Ca_Kabuli_Chr05	NC_021164.1	27000627	AA	CC	CC	DRR	101410558	transfer RNA methionine (anticodon CAU)
SNP_25329B_27000630	Ca_Kabuli_Chr05	NC_021164.1	27000630	AA	GG	GG	DRR	101410558	transfer RNA methionine (anticodon CAU)
SNP_25330B_27000723	Ca_Kabuli_Chr05	NC_021164.1	27000723	CC	TT	TT	DRR	101410558	transfer RNA methionine (anticodon CAU)
SNP_25332B_27000810	Ca_Kabuli_Chr05	NC_021164.1	27000810	CC	TT	TT	DRR	101410558	transfer RNA methionine (anticodon CAU)
SNP_25334B_27000878	Ca_Kabuli_Chr05	NC_021164.1	27000878	TT	AA	AA	DRR	101410558	transfer RNA methionine (anticodon CAU)
SNP_25335B_27000886	Ca_Kabuli_Chr05	NC_021164.1	27000886	AA	CC	CC	DRR	101410558	transfer RNA methionine (anticodon CAU)
SNP_25336B_27000994	Ca_Kabuli_Chr05	NC_021164.1	27000994	AA	CC	CC	DRR	101410558	transfer RNA methionine (anticodon CAU)
SNP_25337B_27001020	Ca_Kabuli_Chr05	NC_021164.1	27001020	AA	CC	CC	DRR	101410558	transfer RNA methionine (anticodon CAU)
SNP_25338B_27001081	Ca_Kabuli_Chr05	NC_021164.1	27001081	AA	GG	GG	DRR	101410558	transfer RNA methionine (anticodon CAU)
SNP_25339B_27001101	Ca_Kabuli_Chr05	NC_021164.1	27001101	AA	TT	TT	DRR	101410558	transfer RNA methionine (anticodon CAU)
SNP_25340B_27001116	Ca_Kabuli_Chr05	NC_021164.1	27001116	AA	GG	GG	DRR	101410558	transfer RNA methionine (anticodon CAU)
SNP_25341B_27001118	Ca_Kabuli_Chr05	NC_021164.1	27001118	TT	CC	CC	DRR	101410558	transfer RNA methionine (anticodon CAU)
SNP_25342B_27001273	Ca_Kabuli_Chr05	NC_021164.1	27001273	CC	AA	AA	DRR	101410591	transfer RNA glutamic acid (anticodon UUC)
SNP_25343B_27083599	Ca_Kabuli_Chr05	NC_021164.1	27083599	CC	AA	AA	INTERGENIC		
SNP_25344B_27090240	Ca_Kabuli_Chr05	NC_021164.1	27090240	GG	AA	AA	INTERGENIC		
SNP_25345B_27107278	Ca_Kabuli_Chr05	NC_021164.1	27107278	AA	GG	GG	INTERGENIC		
SNP_25346B_27107343	Ca_Kabuli_Chr05	NC_021164.1	27107343	AA	TT	TT	INTERGENIC		
SNP_25347B_27107349	Ca_Kabuli_Chr05	NC_021164.1	27107349	TT	CC	CC	INTERGENIC		
SNP_25348B_27107383	Ca_Kabuli_Chr05	NC_021164.1	27107383	AA	TT	TT	INTERGENIC		
SNP_25349B_27107639	Ca_Kabuli_Chr05	NC_021164.1	27107639	CC	TT	TT	INTERGENIC		
SNP_25350B_27107725	Ca_Kabuli_Chr05	NC_021164.1	27107725	TT	AA	AA	INTERGENIC		
SNP_25351B_27164955	Ca_Kabuli_Chr05	NC_021164.1	27164955	AA	GG	GG	INTERGENIC		
SNP_25352B_27164956	Ca_Kabuli_Chr05	NC_021164.1	27164956	TT	GG	GG	INTERGENIC		
SNP_25353B_27245074	Ca_Kabuli_Chr05	NC_021164.1	27245074	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_25354B_27245099	Ca_Kabuli_Chr05	NC_021164.1	27245099	TT	CC	CC	INTERGENIC		
SNP_25355B_27245167	Ca_Kabuli_Chr05	NC_021164.1	27245167	GG	AA	AA	INTERGENIC		
SNP_25356B_27327344	Ca_Kabuli_Chr05	NC_021164.1	27327344	CC	TT	TT	INTRON	101511036	DNA primase small subunit-like
SNP_25357B_27327353	Ca_Kabuli_Chr05	NC_021164.1	27327353	CC	TT	TT	INTRON	101511036	DNA primase small subunit-like
SNP_25358B_27388096	Ca_Kabuli_Chr05	NC_021164.1	27388096	AA	GG	GG	INTERGENIC		
SNP_25359B_27392954	Ca_Kabuli_Chr05	NC_021164.1	27392954	TT	CC	CC	INTERGENIC		
SNP_25360B_27427458	Ca_Kabuli_Chr05	NC_021164.1	27427458	TT	AA	AA	INTERGENIC		
SNP_25361B_27427459	Ca_Kabuli_Chr05	NC_021164.1	27427459	GG	TT	TT	INTERGENIC		
SNP_25362B_27427694	Ca_Kabuli_Chr05	NC_021164.1	27427694	GG	AA	AA	INTERGENIC		
SNP_25363B_27427695	Ca_Kabuli_Chr05	NC_021164.1	27427695	TT	CC	CC	INTERGENIC		
SNP_25364B_27427699	Ca_Kabuli_Chr05	NC_021164.1	27427699	AA	TT	TT	INTERGENIC		
SNP_25365B_27427710	Ca_Kabuli_Chr05	NC_021164.1	27427710	CC	AA	AA	INTERGENIC		
SNP_25366B_27428266	Ca_Kabuli_Chr05	NC_021164.1	27428266	CC	TT	TT	INTERGENIC		
SNP_25367B_27428642	Ca_Kabuli_Chr05	NC_021164.1	27428642	TT	CC	CC	INTERGENIC		
SNP_25369B_27567171	Ca_Kabuli_Chr05	NC_021164.1	27567171	AA	GG	GG	INTERGENIC		
SNP_25370B_27567237	Ca_Kabuli_Chr05	NC_021164.1	27567237	TT	GG	GG	INTERGENIC		
SNP_25371B_27567254	Ca_Kabuli_Chr05	NC_021164.1	27567254	AA	CC	CC	INTERGENIC		
SNP_25372B_27567545	Ca_Kabuli_Chr05	NC_021164.1	27567545	GG	AA	AA	INTERGENIC		
SNP_25373B_27567659	Ca_Kabuli_Chr05	NC_021164.1	27567659	TT	GG	GG	INTERGENIC		
SNP_25374B_27567675	Ca_Kabuli_Chr05	NC_021164.1	27567675	TT	CC	CC	INTERGENIC		
SNP_25375B_27567681	Ca_Kabuli_Chr05	NC_021164.1	27567681	TT	CC	CC	INTERGENIC		
SNP_25376B_27567710	Ca_Kabuli_Chr05	NC_021164.1	27567710	AA	GG	GG	INTERGENIC		
SNP_25377B_27567730	Ca_Kabuli_Chr05	NC_021164.1	27567730	GG	AA	AA	INTERGENIC		
SNP_25378B_27567731	Ca_Kabuli_Chr05	NC_021164.1	27567731	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_25379B_27610388	Ca_Kabuli_Chr05	NC_021164.1	27610388	GG	AA	AA	URR	101488763	uncharacterized LOC101488763
SNP_25380B_27654801	Ca_Kabuli_Chr05	NC_021164.1	27654801	AA	TT	TT	INTERGENIC		
SNP_25381B_27654802	Ca_Kabuli_Chr05	NC_021164.1	27654802	AA	TT	TT	INTERGENIC		
SNP_25382B_27674600	Ca_Kabuli_Chr05	NC_021164.1	27674600	CC	AA	AA	DRR	101492096	deoxyuridine 5'-triphosphate nucleotidohydrolase-like
SNP_25385B_27811625	Ca_Kabuli_Chr05	NC_021164.1	27811625	CC	TT	TT	INTERGENIC		
SNP_25386B_27835135	Ca_Kabuli_Chr05	NC_021164.1	27835135	GG	AA	AA	URR	101493322	deoxyuridine 5'-triphosphate nucleotidohydrolase-like
SNP_25387B_27835141	Ca_Kabuli_Chr05	NC_021164.1	27835141	CC	TT	TT	URR	101493322	deoxyuridine 5'-triphosphate nucleotidohydrolase-like
SNP_25388B_27835228	Ca_Kabuli_Chr05	NC_021164.1	27835228	AA	GG	GG	URR	101493322	deoxyuridine 5'-triphosphate nucleotidohydrolase-like
SNP_25389B_27835250	Ca_Kabuli_Chr05	NC_021164.1	27835250	CC	AA	AA	URR	101493322	deoxyuridine 5'-triphosphate nucleotidohydrolase-like
SNP_25390B_27835545	Ca_Kabuli_Chr05	NC_021164.1	27835545	CC	TT	TT	URR	101493322	deoxyuridine 5'-triphosphate nucleotidohydrolase-like
SNP_25391B_27835663	Ca_Kabuli_Chr05	NC_021164.1	27835663	TT	CC	CC	URR	101493322	deoxyuridine 5'-triphosphate nucleotidohydrolase-like
SNP_25392B_27835712	Ca_Kabuli_Chr05	NC_021164.1	27835712	GG	AA	AA	URR	101493322	deoxyuridine 5'-triphosphate nucleotidohydrolase-like
SNP_25393B_27839604	Ca_Kabuli_Chr05	NC_021164.1	27839604	TT	CC	CC	INTERGENIC		
SNP_25394B_27923611	Ca_Kabuli_Chr05	NC_021164.1	27923611	AA	TT	TT	URR	101495791	nuclear pore complex protein NUP88
SNP_25395B_27950372	Ca_Kabuli_Chr05	NC_021164.1	27950372	GG	TT	TT	INTRON	101496972	probable amino acid permease 7
SNP_25396B_27953200	Ca_Kabuli_Chr05	NC_021164.1	27953200	GG	AA	AA	INTRON	101496972	probable amino acid permease 7
SNP_25397B_27953206	Ca_Kabuli_Chr05	NC_021164.1	27953206	TT	AA	AA	INTRON	101496972	probable amino acid permease 7
SNP_25398B_27953212	Ca_Kabuli_Chr05	NC_021164.1	27953212	TT	AA	AA	INTRON	101496972	probable amino acid permease 7
SNP_25399B_27953245	Ca_Kabuli_Chr05	NC_021164.1	27953245	GG	AA	AA	INTRON	101496972	probable amino acid permease 7
SNP_25400B_27953475	Ca_Kabuli_Chr05	NC_021164.1	27953475	GG	CC	CC	INTRON	101496972	probable amino acid permease 7
SNP_25401B_27953501	Ca_Kabuli_Chr05	NC_021164.1	27953501	TT	CC	CC	INTRON	101496972	probable amino acid permease 7
SNP_25402B_27953505	Ca_Kabuli_Chr05	NC_021164.1	27953505	CC	GG	GG	INTRON	101496972	probable amino acid permease 7
SNP_25403B_27953650	Ca_Kabuli_Chr05	NC_021164.1	27953650	TT	CC	CC	INTRON	101496972	probable amino acid permease 7
SNP_25404B_27953654	Ca_Kabuli_Chr05	NC_021164.1	27953654	AA	GG	GG	INTRON	101496972	probable amino acid permease 7

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_25406B_27954262	Ca_Kabuli_Chr05	NC_021164.1	27954262	AA	TT	TT	INTRON	101496972	probable amino acid permease 7
SNP_25407B_27954692	Ca_Kabuli_Chr05	NC_021164.1	27954692	GG	AA	AA	INTRON	101496972	probable amino acid permease 7
SNP_25408B_27954712	Ca_Kabuli_Chr05	NC_021164.1	27954712	GG	AA	AA	INTRON	101496972	probable amino acid permease 7
SNP_25409B_27954714	Ca_Kabuli_Chr05	NC_021164.1	27954714	AA	TT	TT	INTRON	101496972	probable amino acid permease 7
SNP_25410B_27954722	Ca_Kabuli_Chr05	NC_021164.1	27954722	TT	AA	AA	INTRON	101496972	probable amino acid permease 7
SNP_25411B_27954723	Ca_Kabuli_Chr05	NC_021164.1	27954723	TT	AA	AA	INTRON	101496972	probable amino acid permease 7
SNP_25412B_27954801	Ca_Kabuli_Chr05	NC_021164.1	27954801	AA	GG	GG	INTRON	101496972	probable amino acid permease 7
SNP_25413B_27954850	Ca_Kabuli_Chr05	NC_021164.1	27954850	TT	GG	GG	INTRON	101496972	probable amino acid permease 7
SNP_25414B_28021031	Ca_Kabuli_Chr05	NC_021164.1	28021031	TT	AA	AA	INTRON	101499071	phosphoinositide phospholipase C 6
SNP_25415B_28056188	Ca_Kabuli_Chr05	NC_021164.1	28056188	GG	AA	AA	NON_SYNONYMOUS_CODING	101497951	Unknown function
SNP_25416B_28064131	Ca_Kabuli_Chr05	NC_021164.1	28064131	GG	AA	AA	INTERGENIC		
SNP_25417B_28125407	Ca_Kabuli_Chr05	NC_021164.1	28125407	TT	GG	GG	INTERGENIC		
SNP_25418B_28134972	Ca_Kabuli_Chr05	NC_021164.1	28134972	AA	GG	GG	INTERGENIC		
SNP_25419B_28143069	Ca_Kabuli_Chr05	NC_021164.1	28143069	CC	GG	GG	INTRON	101501504	N-(5'-phosphoribosyl)anthranilate isomerase 1, chloroplastic
SNP_25420B_28155678	Ca_Kabuli_Chr05	NC_021164.1	28155678	TT	CC	CC	INTERGENIC		
SNP_25422B_28216712	Ca_Kabuli_Chr05	NC_021164.1	28216712	TT	AA	AA	INTERGENIC		
SNP_25424B_28305498	Ca_Kabuli_Chr05	NC_021164.1	28305498	AA	GG	GG	URR	101506972	uncharacterized protein At5g39865-like
SNP_25425B_28305499	Ca_Kabuli_Chr05	NC_021164.1	28305499	TT	GG	GG	URR	101506972	uncharacterized protein At5g39865-like
SNP_25426B_28327868	Ca_Kabuli_Chr05	NC_021164.1	28327868	GG	AA	AA	INTRON	101507300	eukaryotic translation initiation factor 2 subunit alpha-like
SNP_25429B_28409782	Ca_Kabuli_Chr05	NC_021164.1	28409782	TT	CC	CC	URR	101499592	serine/threonine-protein phosphatase 7 long form homolog
SNP_25431B_28413468	Ca_Kabuli_Chr05	NC_021164.1	28413468	TT	GG	GG	INTERGENIC		
SNP_25432B_28444799	Ca_Kabuli_Chr05	NC_021164.1	28444799	GG	AA	AA	INTERGENIC		
SNP_25434B_28478220	Ca_Kabuli_Chr05	NC_021164.1	28478220	AA	GG	GG	DRR	101500861	uncharacterized LOC101500861
SNP_25435B_28480018	Ca_Kabuli_Chr05	NC_021164.1	28480018	TT	AA	AA	NON_SYNONYMOUS_CODING	101500861	uncharacterized LOC101500861

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_25436B_28480051	Ca_Kabuli_Chr05	NC_021164.1	28480051	AA	CC	CC	NON_SYNONYMOUS_CODING	101500861	uncharacterized LOC101500861
SNP_25437B_28480125	Ca_Kabuli_Chr05	NC_021164.1	28480125	CC	TT	TT	INTRON	101500861	uncharacterized LOC101500861
SNP_25438B_28480126	Ca_Kabuli_Chr05	NC_021164.1	28480126	TT	GG	GG	INTRON	101500861	uncharacterized LOC101500861
SNP_25439B_28480396	Ca_Kabuli_Chr05	NC_021164.1	28480396	AA	GG	GG	NON_SYNONYMOUS_CODING	101500861	uncharacterized LOC101500861
SNP_25440B_28480454	Ca_Kabuli_Chr05	NC_021164.1	28480454	TT	GG	GG	NON_SYNONYMOUS_CODING	101500861	uncharacterized LOC101500861
SNP_25441B_28480455	Ca_Kabuli_Chr05	NC_021164.1	28480455	AA	GG	GG	SYNONYMOUS_CODING	101500861	uncharacterized LOC101500861
SNP_25442B_28480505	Ca_Kabuli_Chr05	NC_021164.1	28480505	TT	CC	CC	NON_SYNONYMOUS_CODING	101500861	uncharacterized LOC101500861
SNP_25443B_28480511	Ca_Kabuli_Chr05	NC_021164.1	28480511	TT	GG	GG	NON_SYNONYMOUS_CODING	101500861	uncharacterized LOC101500861
SNP_25444B_28480574	Ca_Kabuli_Chr05	NC_021164.1	28480574	TT	CC	CC	NON_SYNONYMOUS_CODING	101500861	uncharacterized LOC101500861
SNP_25445B_28480938	Ca_Kabuli_Chr05	NC_021164.1	28480938	GG	TT	TT	NON_SYNONYMOUS_CODING	101500861	uncharacterized LOC101500861
SNP_25446B_28515721	Ca_Kabuli_Chr05	NC_021164.1	28515721	AA	TT	TT	INTERGENIC		
SNP_25447B_28515723	Ca_Kabuli_Chr05	NC_021164.1	28515723	TT	AA	AA	INTERGENIC		
SNP_25448B_28525109	Ca_Kabuli_Chr05	NC_021164.1	28525109	AA	GG	GG	INTERGENIC		
SNP_25449B_28525127	Ca_Kabuli_Chr05	NC_021164.1	28525127	AA	TT	TT	INTERGENIC		
SNP_25450B_28525151	Ca_Kabuli_Chr05	NC_021164.1	28525151	AA	TT	TT	INTERGENIC		
SNP_25451B_28525158	Ca_Kabuli_Chr05	NC_021164.1	28525158	GG	AA	AA	INTERGENIC		
SNP_25452B_28525162	Ca_Kabuli_Chr05	NC_021164.1	28525162	AA	GG	GG	INTERGENIC		
SNP_25453B_28525200	Ca_Kabuli_Chr05	NC_021164.1	28525200	AA	GG	GG	INTERGENIC		
SNP_25454B_28525282	Ca_Kabuli_Chr05	NC_021164.1	28525282	AA	GG	GG	INTERGENIC		
SNP_25455B_28525415	Ca_Kabuli_Chr05	NC_021164.1	28525415	GG	AA	AA	INTERGENIC		
SNP_25456B_28525444	Ca_Kabuli_Chr05	NC_021164.1	28525444	AA	GG	GG	INTERGENIC		
SNP_25457B_28525478	Ca_Kabuli_Chr05	NC_021164.1	28525478	GG	AA	AA	INTERGENIC		
SNP_25458B_28525514	Ca_Kabuli_Chr05	NC_021164.1	28525514	GG	CC	CC	INTERGENIC		
SNP_25459B_28525527	Ca_Kabuli_Chr05	NC_021164.1	28525527	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_25460B_28525586	Ca_Kabuli_Chr05	NC_021164.1	28525586	CC	TT	TT	INTERGENIC		
SNP_25461B_28525622	Ca_Kabuli_Chr05	NC_021164.1	28525622	TT	CC	CC	INTERGENIC		
SNP_25462B_28525630	Ca_Kabuli_Chr05	NC_021164.1	28525630	AA	TT	TT	INTERGENIC		
SNP_25463B_28525635	Ca_Kabuli_Chr05	NC_021164.1	28525635	AA	GG	GG	INTERGENIC		
SNP_25464B_28525662	Ca_Kabuli_Chr05	NC_021164.1	28525662	TT	CC	CC	INTERGENIC		
SNP_25465B_28525687	Ca_Kabuli_Chr05	NC_021164.1	28525687	TT	CC	CC	INTERGENIC		
SNP_25467B_28651663	Ca_Kabuli_Chr05	NC_021164.1	28651663	GG	AA	AA	INTERGENIC		
SNP_25468B_28651771	Ca_Kabuli_Chr05	NC_021164.1	28651771	AA	GG	GG	INTERGENIC		
SNP_25469B_28651916	Ca_Kabuli_Chr05	NC_021164.1	28651916	AA	TT	TT	INTERGENIC		
SNP_25470B_28723419	Ca_Kabuli_Chr05	NC_021164.1	28723419	AA	GG	GG	URR	101489428	CBL-interacting protein kinase 2-like
SNP_25471B_28766391	Ca_Kabuli_Chr05	NC_021164.1	28766391	GG	AA	AA	INTERGENIC		
SNP_25473B_28977894	Ca_Kabuli_Chr05	NC_021164.1	28977894	TT	CC	CC	DRR	101503742	Unknown function
SNP_25476B_29423303	Ca_Kabuli_Chr05	NC_021164.1	29423303	GG	AA	AA	URR	101514591	probable trehalose-phosphate phosphatase J
SNP_25477B_29476543	Ca_Kabuli_Chr05	NC_021164.1	29476543	TT	AA	AA	INTERGENIC		
SNP_25478B_29476544	Ca_Kabuli_Chr05	NC_021164.1	29476544	GG	CC	CC	INTERGENIC		
SNP_25479B_29514470	Ca_Kabuli_Chr05	NC_021164.1	29514470	GG	TT	TT	URR	101488644	sugar transport protein 5-like
SNP_25480B_29514479	Ca_Kabuli_Chr05	NC_021164.1	29514479	GG	CC	CC	URR	101488644	sugar transport protein 5-like
SNP_25481B_29518833	Ca_Kabuli_Chr05	NC_021164.1	29518833	AA	GG	GG	INTERGENIC		
SNP_25482B_29536189	Ca_Kabuli_Chr05	NC_021164.1	29536189	TT	CC	CC	DRR	101503631	Unknown function
SNP_25483B_29536303	Ca_Kabuli_Chr05	NC_021164.1	29536303	TT	CC	CC	DRR	101503631	Unknown function
SNP_25484B_29626480	Ca_Kabuli_Chr05	NC_021164.1	29626480	AA	GG	GG	INTERGENIC		
SNP_25487B_29667351	Ca_Kabuli_Chr05	NC_021164.1	29667351	TT	CC	CC	INTERGENIC		
SNP_25488B_29759720	Ca_Kabuli_Chr05	NC_021164.1	29759720	TT	AA	AA	URR	101505555	nucleotide pyrophosphatase/phosphodiesterase
SNP_25489B_29778113	Ca_Kabuli_Chr05	NC_021164.1	29778113	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_25490B_29856975	Ca_Kabuli_Chr05	NC_021164.1	29856975	CC	AA	AA	URR	101500969	probable aspartyl aminopeptidase
SNP_25491B_29858315	Ca_Kabuli_Chr05	NC_021164.1	29858315	CC	AA	AA	INTERGENIC		
SNP_25492B_29920999	Ca_Kabuli_Chr05	NC_021164.1	29920999	AA	CC	CC	INTRON	101506201	uncharacterized LOC101506201
SNP_25493B_29932064	Ca_Kabuli_Chr05	NC_021164.1	29932064	TT	CC	CC	URR	101506530	uncharacterized LOC101506530
SNP_25494B_29932135	Ca_Kabuli_Chr05	NC_021164.1	29932135	GG	TT	TT	URR	101506530	uncharacterized LOC101506530
SNP_25495B_29932159	Ca_Kabuli_Chr05	NC_021164.1	29932159	CC	TT	TT	URR	101506530	uncharacterized LOC101506530
SNP_25496B_29932160	Ca_Kabuli_Chr05	NC_021164.1	29932160	CC	GG	GG	URR	101506530	uncharacterized LOC101506530
SNP_25497B_29932161	Ca_Kabuli_Chr05	NC_021164.1	29932161	TT	AA	AA	URR	101506530	uncharacterized LOC101506530
SNP_25498B_29932330	Ca_Kabuli_Chr05	NC_021164.1	29932330	GG	AA	AA	INTERGENIC		
SNP_25499B_29932355	Ca_Kabuli_Chr05	NC_021164.1	29932355	GG	AA	AA	INTERGENIC		
SNP_25500B_29932374	Ca_Kabuli_Chr05	NC_021164.1	29932374	GG	AA	AA	INTERGENIC		
SNP_25501B_29932515	Ca_Kabuli_Chr05	NC_021164.1	29932515	GG	AA	AA	INTERGENIC		
SNP_25502B_29933084	Ca_Kabuli_Chr05	NC_021164.1	29933084	CC	GG	GG	INTERGENIC		
SNP_25504B_29933992	Ca_Kabuli_Chr05	NC_021164.1	29933992	TT	CC	CC	INTERGENIC		
SNP_25506B_29938497	Ca_Kabuli_Chr05	NC_021164.1	29938497	TT	GG	GG	URR	101506863	uncharacterized LOC101506863
SNP_25507B_30019097	Ca_Kabuli_Chr05	NC_021164.1	30019097	GG	AA	AA	INTERGENIC		
SNP_25508B_30035410	Ca_Kabuli_Chr05	NC_021164.1	30035410	TT	CC	CC	INTRON	101510385	monosaccharide-sensing protein 2
SNP_25509B_30108652	Ca_Kabuli_Chr05	NC_021164.1	30108652	TT	GG	GG	NON_SYNONYMOUS_CODING	101513800	uncharacterized LOC101513800
SNP_25510B_30108819	Ca_Kabuli_Chr05	NC_021164.1	30108819	CC	GG	GG	NON_SYNONYMOUS_CODING	101513800	uncharacterized LOC101513800
SNP_25511B_30108824	Ca_Kabuli_Chr05	NC_021164.1	30108824	CC	GG	GG	NON_SYNONYMOUS_CODING	101513800	uncharacterized LOC101513800
SNP_25512B_30108829	Ca_Kabuli_Chr05	NC_021164.1	30108829	CC	TT	TT	NON_SYNONYMOUS_CODING	101513800	uncharacterized LOC101513800
SNP_25513B_30108842	Ca_Kabuli_Chr05	NC_021164.1	30108842	AA	GG	GG	NON_SYNONYMOUS_CODING	101513800	uncharacterized LOC101513800
SNP_25514B_30109033	Ca_Kabuli_Chr05	NC_021164.1	30109033	CC	TT	TT	NON_SYNONYMOUS_CODING	101513800	uncharacterized LOC101513800
SNP_25515B_30109034	Ca_Kabuli_Chr05	NC_021164.1	30109034	TT	CC	CC	NON_SYNONYMOUS_CODING	101513800	uncharacterized LOC101513800

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_25516B_30109040	Ca_Kabuli_Chr05	NC_021164.1	30109040	TT	CC	CC	NON_SYNONYMOUS_CODING	101513800	uncharacterized LOC101513800
SNP_25517B_30109266	Ca_Kabuli_Chr05	NC_021164.1	30109266	AA	GG	GG	SYNONYMOUS_CODING	101513800	uncharacterized LOC101513800
SNP_25518B_30109382	Ca_Kabuli_Chr05	NC_021164.1	30109382	TT	CC	CC	NON_SYNONYMOUS_CODING	101513800	uncharacterized LOC101513800
SNP_25519B_30119135	Ca_Kabuli_Chr05	NC_021164.1	30119135	CC	TT	TT	URR	101513497	endochitinase A2-like
SNP_25520B_30119743	Ca_Kabuli_Chr05	NC_021164.1	30119743	TT	GG	GG	URR	101513497	endochitinase A2-like
SNP_25521B_30120257	Ca_Kabuli_Chr05	NC_021164.1	30120257	AA	GG	GG	INTERGENIC		
SNP_25522B_30120264	Ca_Kabuli_Chr05	NC_021164.1	30120264	GG	AA	AA	INTERGENIC		
SNP_25524B_30123327	Ca_Kabuli_Chr05	NC_021164.1	30123327	CC	TT	TT	NON_SYNONYMOUS_CODING	101512317	uncharacterized LOC101512317
SNP_25525B_30123407	Ca_Kabuli_Chr05	NC_021164.1	30123407	GG	CC	CC	NON_SYNONYMOUS_CODING	101512317	uncharacterized LOC101512317
SNP_25526B_30123675	Ca_Kabuli_Chr05	NC_021164.1	30123675	GG	CC	CC	NON_SYNONYMOUS_CODING	101512317	uncharacterized LOC101512317
SNP_25527B_30123687	Ca_Kabuli_Chr05	NC_021164.1	30123687	CC	AA	AA	NON_SYNONYMOUS_CODING	101512317	uncharacterized LOC101512317
SNP_25528B_30125552	Ca_Kabuli_Chr05	NC_021164.1	30125552	AA	TT	TT	INTRON	101512317	uncharacterized LOC101512317
SNP_25530B_30127094	Ca_Kabuli_Chr05	NC_021164.1	30127094	TT	AA	AA	URR	101512317	uncharacterized LOC101512317
SNP_25531B_30128762	Ca_Kabuli_Chr05	NC_021164.1	30128762	CC	TT	TT	URR	101512317	uncharacterized LOC101512317
SNP_25533B_30129022	Ca_Kabuli_Chr05	NC_021164.1	30129022	AA	TT	TT	INTERGENIC		
SNP_25534B_30129094	Ca_Kabuli_Chr05	NC_021164.1	30129094	CC	TT	TT	INTERGENIC		
SNP_25536B_30131107	Ca_Kabuli_Chr05	NC_021164.1	30131107	TT	GG	GG	INTERGENIC		
SNP_25537B_30136055	Ca_Kabuli_Chr05	NC_021164.1	30136055	CC	TT	TT	DRR	101488429	probable alanine--tRNA ligase, chloroplastic
SNP_25538B_30147290	Ca_Kabuli_Chr05	NC_021164.1	30147290	TT	GG	GG	URR	101488429	probable alanine--tRNA ligase, chloroplastic
SNP_25540B_30396428	Ca_Kabuli_Chr05	NC_021164.1	30396428	CC	GG	GG	INTERGENIC		
SNP_25541B_30396495	Ca_Kabuli_Chr05	NC_021164.1	30396495	AA	GG	GG	INTERGENIC		
SNP_25542B_30396633	Ca_Kabuli_Chr05	NC_021164.1	30396633	AA	GG	GG	INTERGENIC		
SNP_25543B_30480146	Ca_Kabuli_Chr05	NC_021164.1	30480146	TT	CC	CC	INTERGENIC		
SNP_25544B_30542079	Ca_Kabuli_Chr05	NC_021164.1	30542079	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_25545B_30543001	Ca_Kabuli_Chr05	NC_021164.1	30543001	GG	AA	AA	INTERGENIC		
SNP_25546B_30547556	Ca_Kabuli_Chr05	NC_021164.1	30547556	AA	TT	TT	DRR	101506864	tRNA-dihydrouridine(47) synthase [NAD(P)(+)]-like
SNP_25547B_30547557	Ca_Kabuli_Chr05	NC_021164.1	30547557	CC	TT	TT	DRR	101506864	tRNA-dihydrouridine(47) synthase [NAD(P)(+)]-like
SNP_25548B_30584240	Ca_Kabuli_Chr05	NC_021164.1	30584240	TT	CC	CC	INTRON	101504927	zinc finger CCCH domain-containing protein 19
SNP_25550B_30619976	Ca_Kabuli_Chr05	NC_021164.1	30619976	GG	AA	AA	INTERGENIC		
SNP_25551B_30623658	Ca_Kabuli_Chr05	NC_021164.1	30623658	AA	GG	GG	INTRON	101510159	cytosolic Fe-S cluster assembly factor narfl
SNP_25552B_30623659	Ca_Kabuli_Chr05	NC_021164.1	30623659	AA	TT	TT	INTRON	101510159	cytosolic Fe-S cluster assembly factor narfl
SNP_25553B_30641839	Ca_Kabuli_Chr05	NC_021164.1	30641839	TT	CC	CC	INTERGENIC		
SNP_25554B_30643231	Ca_Kabuli_Chr05	NC_021164.1	30643231	TT	GG	GG	INTERGENIC		
SNP_25555B_30678899	Ca_Kabuli_Chr05	NC_021164.1	30678899	AA	GG	GG	INTERGENIC		
SNP_25556B_30684876	Ca_Kabuli_Chr05	NC_021164.1	30684876	TT	CC	CC	INTRON	101512538	bromo adjacent homology domain-containing 1 protein
SNP_25557B_30731120	Ca_Kabuli_Chr05	NC_021164.1	30731120	AA	TT	TT	INTERGENIC		
SNP_25558B_30777582	Ca_Kabuli_Chr05	NC_021164.1	30777582	GG	AA	AA	DRR	101491250	uncharacterized LOC101491250
SNP_25559B_30837244	Ca_Kabuli_Chr05	NC_021164.1	30837244	TT	CC	CC	INTERGENIC		
SNP_25560B_30904770	Ca_Kabuli_Chr05	NC_021164.1	30904770	AA	GG	GG	DRR	101495793	MATH and LRR domain-containing protein PFE0570w
SNP_25561B_30912408	Ca_Kabuli_Chr05	NC_021164.1	30912408	CC	TT	TT	INTERGENIC		
SNP_25562B_30935949	Ca_Kabuli_Chr05	NC_021164.1	30935949	AA	TT	TT	DRR	101506202	BURP domain-containing protein 17-like
SNP_25563B_31017414	Ca_Kabuli_Chr05	NC_021164.1	31017414	AA	GG	GG	INTERGENIC		
SNP_25564B_31027816	Ca_Kabuli_Chr05	NC_021164.1	31027816	TT	CC	CC	URR	101499275	RNA-binding protein 24-A
SNP_25565B_31039652	Ca_Kabuli_Chr05	NC_021164.1	31039652	CC	TT	TT	DRR	101507512	AT-hook motif nuclear-localized protein 10-like
SNP_25566B_31114917	Ca_Kabuli_Chr05	NC_021164.1	31114917	CC	TT	TT	INTERGENIC		
SNP_25567B_31129973	Ca_Kabuli_Chr05	NC_021164.1	31129973	TT	AA	AA	DRR	101504606	uncharacterized LOC101504606
SNP_25568B_31129979	Ca_Kabuli_Chr05	NC_021164.1	31129979	AA	GG	GG	DRR	101504606	uncharacterized LOC101504606
SNP_25569B_31130014	Ca_Kabuli_Chr05	NC_021164.1	31130014	AA	TT	TT	DRR	101504606	uncharacterized LOC101504606

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_25570B_31133737	Ca_Kabuli_Chr05	NC_021164.1	31133737	AA	GG	GG	URR	101504606	uncharacterized LOC101504606
SNP_25573B_31154270	Ca_Kabuli_Chr05	NC_021164.1	31154270	GG	AA	AA	INTERGENIC		
SNP_25574B_31157370	Ca_Kabuli_Chr05	NC_021164.1	31157370	AA	GG	GG	INTERGENIC		
SNP_25575B_31158582	Ca_Kabuli_Chr05	NC_021164.1	31158582	GG	AA	AA	INTERGENIC		
SNP_25576B_31160820	Ca_Kabuli_Chr05	NC_021164.1	31160820	CC	GG	GG	DRR	101507091	U-box domain-containing protein 44-like
SNP_25577B_31168221	Ca_Kabuli_Chr05	NC_021164.1	31168221	CC	TT	TT	URR	101507091	U-box domain-containing protein 44-like
SNP_25578B_31175436	Ca_Kabuli_Chr05	NC_021164.1	31175436	TT	CC	CC	INTERGENIC		
SNP_25580B_31183231	Ca_Kabuli_Chr05	NC_021164.1	31183231	TT	CC	CC	INTERGENIC		
SNP_25581B_31183243	Ca_Kabuli_Chr05	NC_021164.1	31183243	AA	TT	TT	INTERGENIC		
SNP_25582B_31184014	Ca_Kabuli_Chr05	NC_021164.1	31184014	AA	GG	GG	DRR	101507722	WUSCHEL-related homeobox 8-like
SNP_25583B_31187062	Ca_Kabuli_Chr05	NC_021164.1	31187062	GG	AA	AA	URR	101507722	WUSCHEL-related homeobox 8-like
SNP_25584B_31187069	Ca_Kabuli_Chr05	NC_021164.1	31187069	TT	AA	AA	URR	101507722	WUSCHEL-related homeobox 8-like
SNP_25586B_31317816	Ca_Kabuli_Chr05	NC_021164.1	31317816	AA	GG	GG	URR	101512737	protein NLP4
SNP_25587B_31318990	Ca_Kabuli_Chr05	NC_021164.1	31318990	CC	AA	AA	URR	101512737	protein NLP4
SNP_25588B_31409652	Ca_Kabuli_Chr05	NC_021164.1	31409652	AA	GG	GG	URR	101489430	uncharacterized LOC101489430
SNP_25589B_31507836	Ca_Kabuli_Chr05	NC_021164.1	31507836	CC	TT	TT	INTRON	101492328	L-ascorbate oxidase homolog
SNP_25591B_31719044	Ca_Kabuli_Chr05	NC_021164.1	31719044	GG	CC	CC	INTERGENIC		
SNP_25592B_31754573	Ca_Kabuli_Chr05	NC_021164.1	31754573	GG	AA	AA	URR	101509085	GDSL esterase/lipase EXL3-like
SNP_25594B_31961787	Ca_Kabuli_Chr05	NC_021164.1	31961787	AA	TT	TT	INTERGENIC		
SNP_25595B_32040708	Ca_Kabuli_Chr05	NC_021164.1	32040708	AA	CC	CC	DRR	101514275	floral homeotic protein DEFICIENS
SNP_25596B_32065972	Ca_Kabuli_Chr05	NC_021164.1	32065972	AA	CC	CC	URR	101509738	S-type anion channel SLAH4-like
SNP_25597B_32121176	Ca_Kabuli_Chr05	NC_021164.1	32121176	GG	CC	CC	INTERGENIC		
SNP_25598B_32122474	Ca_Kabuli_Chr05	NC_021164.1	32122474	CC	TT	TT	INTERGENIC		
SNP_25599B_32122723	Ca_Kabuli_Chr05	NC_021164.1	32122723	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_25600B_32122829	Ca_Kabuli_Chr05	NC_021164.1	32122829	AA	CC	CC	INTERGENIC		
SNP_25601B_32123010	Ca_Kabuli_Chr05	NC_021164.1	32123010	TT	AA	AA	INTERGENIC		
SNP_25602B_32123127	Ca_Kabuli_Chr05	NC_021164.1	32123127	AA	TT	TT	INTERGENIC		
SNP_25603B_32137370	Ca_Kabuli_Chr05	NC_021164.1	32137370	GG	CC	CC	INTERGENIC		
SNP_25604B_32138539	Ca_Kabuli_Chr05	NC_021164.1	32138539	AA	TT	TT	INTERGENIC		
SNP_25605B_32140117	Ca_Kabuli_Chr05	NC_021164.1	32140117	TT	AA	AA	DRR	101488530	zingipain-2
SNP_25606B_32239799	Ca_Kabuli_Chr05	NC_021164.1	32239799	TT	AA	AA	INTERGENIC		
SNP_25607B_32239800	Ca_Kabuli_Chr05	NC_021164.1	32239800	TT	AA	AA	INTERGENIC		
SNP_25608B_32248470	Ca_Kabuli_Chr05	NC_021164.1	32248470	AA	CC	CC	DRR	101494692	omega-hydroxypalmitate O-feruloyl transferase-like
SNP_25609B_32248485	Ca_Kabuli_Chr05	NC_021164.1	32248485	TT	CC	CC	DRR	101494692	omega-hydroxypalmitate O-feruloyl transferase-like
SNP_25610B_32259464	Ca_Kabuli_Chr05	NC_021164.1	32259464	GG	AA	AA	INTERGENIC		
SNP_25611B_32292902	Ca_Kabuli_Chr05	NC_021164.1	32292902	GG	AA	AA	SYNONYMOUS_CODING	101510387	serine/threonine-protein phosphatase 7 long form homolog
SNP_25613B_32385541	Ca_Kabuli_Chr05	NC_021164.1	32385541	GG	TT	TT	INTERGENIC		
SNP_25615B_32395519	Ca_Kabuli_Chr05	NC_021164.1	32395519	TT	CC	CC	URR	101498952	mannan endo-1,4-beta-mannosidase 7-like
SNP_25616B_32544459	Ca_Kabuli_Chr05	NC_021164.1	32544459	GG	AA	AA	SYNONYMOUS_CODING	101509315	J domain-containing protein required for chloroplast accumulation response 1
SNP_25618B_32608864	Ca_Kabuli_Chr05	NC_021164.1	32608864	CC	TT	TT	INTERGENIC		
SNP_25620B_32707094	Ca_Kabuli_Chr05	NC_021164.1	32707094	TT	AA	AA	INTERGENIC		
SNP_25621B_32709727	Ca_Kabuli_Chr05	NC_021164.1	32709727	TT	AA	AA	URR	101488985	pentatricopeptide repeat-containing protein At1g09900
SNP_25623B_32764330	Ca_Kabuli_Chr05	NC_021164.1	32764330	GG	CC	CC	INTERGENIC		
SNP_25624B_32786872	Ca_Kabuli_Chr05	NC_021164.1	32786872	CC	TT	TT	DRR	101489960	transcription factor bHLH93-like
SNP_25627B_32988636	Ca_Kabuli_Chr05	NC_021164.1	32988636	AA	GG	GG	DRR	101495138	amino acid permease 6-like
SNP_25628B_33069404	Ca_Kabuli_Chr05	NC_021164.1	33069404	AA	GG	GG	INTERGENIC		
SNP_25629B_33087711	Ca_Kabuli_Chr05	NC_021164.1	33087711	AA	GG	GG	INTRON	101497956	uncharacterized LOC101497956
SNP_25630B_33094509	Ca_Kabuli_Chr05	NC_021164.1	33094509	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_25631B_33099246	Ca_Kabuli_Chr05	NC_021164.1	33099246	AA	CC	CC	DRR	101515570	Unknown function
SNP_25632B_33099604	Ca_Kabuli_Chr05	NC_021164.1	33099604	TT	GG	GG	INTRON	101515570	Unknown function
SNP_25633B_33099608	Ca_Kabuli_Chr05	NC_021164.1	33099608	TT	CC	CC	INTRON	101515570	Unknown function
SNP_25634B_33099634	Ca_Kabuli_Chr05	NC_021164.1	33099634	AA	GG	GG	INTRON	101515570	Unknown function
SNP_25635B_33099641	Ca_Kabuli_Chr05	NC_021164.1	33099641	TT	CC	CC	INTRON	101515570	Unknown function
SNP_25636B_33099643	Ca_Kabuli_Chr05	NC_021164.1	33099643	AA	GG	GG	INTRON	101515570	Unknown function
SNP_25637B_33146742	Ca_Kabuli_Chr05	NC_021164.1	33146742	GG	AA	AA	URR	101498953	serine/threonine-protein kinase Aurora-1
SNP_25638B_33166345	Ca_Kabuli_Chr05	NC_021164.1	33166345	CC	TT	TT	INTERGENIC		
SNP_25639B_33225287	Ca_Kabuli_Chr05	NC_021164.1	33225287	AA	GG	GG	INTERGENIC		
SNP_25640B_33225329	Ca_Kabuli_Chr05	NC_021164.1	33225329	CC	TT	TT	INTERGENIC		
SNP_25641B_33225588	Ca_Kabuli_Chr05	NC_021164.1	33225588	CC	AA	AA	INTERGENIC		
SNP_25642B_33225721	Ca_Kabuli_Chr05	NC_021164.1	33225721	TT	CC	CC	INTERGENIC		
SNP_25644B_33378371	Ca_Kabuli_Chr05	NC_021164.1	33378371	AA	CC	CC	DRR	101494490	homeobox-leucine zipper protein ATHB-8
SNP_25646B_33423266	Ca_Kabuli_Chr05	NC_021164.1	33423266	CC	TT	TT	URR	101496660	ultraviolet-B receptor UVR8-like
SNP_25647B_33439192	Ca_Kabuli_Chr05	NC_021164.1	33439192	TT	CC	CC	INTERGENIC		
SNP_25650B_33457504	Ca_Kabuli_Chr05	NC_021164.1	33457504	CC	AA	AA	URR	101496444	Unknown function
SNP_25651B_33457639	Ca_Kabuli_Chr05	NC_021164.1	33457639	TT	CC	CC	URR	101496444	Unknown function
SNP_25652B_33457689	Ca_Kabuli_Chr05	NC_021164.1	33457689	CC	TT	TT	URR	101496444	Unknown function
SNP_25653B_33457884	Ca_Kabuli_Chr05	NC_021164.1	33457884	GG	TT	TT	URR	101496444	Unknown function
SNP_25655B_33457965	Ca_Kabuli_Chr05	NC_021164.1	33457965	GG	AA	AA	URR	101496444	Unknown function
SNP_25656B_33457987	Ca_Kabuli_Chr05	NC_021164.1	33457987	TT	CC	CC	INTERGENIC		
SNP_25658B_33546527	Ca_Kabuli_Chr05	NC_021164.1	33546527	TT	CC	CC	INTERGENIC		
SNP_25660B_33600032	Ca_Kabuli_Chr05	NC_021164.1	33600032	AA	CC	CC	DRR	101497756	Unknown function
SNP_25663B_33609474	Ca_Kabuli_Chr05	NC_021164.1	33609474	TT	AA	AA	DRR	101502565	probable beta-1,4-xylosyltransferase IRX9H

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_25664B_33672192	Ca_Kabuli_Chr05	NC_021164.1	33672192	CC	TT	TT	URR	101504928	protein PEROXIN-4
SNP_25665B_33728774	Ca_Kabuli_Chr05	NC_021164.1	33728774	CC	TT	TT	INTERGENIC		
SNP_25666B_33911671	Ca_Kabuli_Chr05	NC_021164.1	33911671	CC	TT	TT	DRR	101514474	protein mago nashi homolog
SNP_25667B_33940574	Ca_Kabuli_Chr05	NC_021164.1	33940574	GG	TT	TT	DRR	101515773	proteasome subunit beta type-6
SNP_25668B_34171605	Ca_Kabuli_Chr05	NC_021164.1	34171605	TT	CC	CC	INTRON	101499387	uncharacterized LOC101499387
SNP_25669B_34186144	Ca_Kabuli_Chr05	NC_021164.1	34186144	CC	TT	TT	DRR	101500346	uncharacterized protein At2g24330
SNP_25672B_34229625	Ca_Kabuli_Chr05	NC_021164.1	34229625	AA	CC	CC	INTERGENIC		
SNP_25674B_34380931	Ca_Kabuli_Chr05	NC_021164.1	34380931	CC	AA	AA	DRR	101499697	F-box/FBD/LRR-repeat protein At3g26920-like
SNP_25675B_34381022	Ca_Kabuli_Chr05	NC_021164.1	34381022	GG	AA	AA	NON_SYNONYMOUS_CODING	101499697	F-box/FBD/LRR-repeat protein At3g26920-like
SNP_25676B_34381347	Ca_Kabuli_Chr05	NC_021164.1	34381347	CC	GG	GG	INTRON	101499697	F-box/FBD/LRR-repeat protein At3g26920-like
SNP_25677B_34381463	Ca_Kabuli_Chr05	NC_021164.1	34381463	TT	CC	CC	INTRON	101499697	F-box/FBD/LRR-repeat protein At3g26920-like
SNP_25678B_34381516	Ca_Kabuli_Chr05	NC_021164.1	34381516	TT	CC	CC	NON_SYNONYMOUS_CODING	101499697	F-box/FBD/LRR-repeat protein At3g26920-like
SNP_25679B_34443716	Ca_Kabuli_Chr05	NC_021164.1	34443716	TT	AA	AA	URR	101507926	death-inducer obliterator 1-like
SNP_25680B_34521416	Ca_Kabuli_Chr05	NC_021164.1	34521416	TT	AA	AA	START_GAINED	101512419	uncharacterized LOC101512419
SNP_25682B_34777131	Ca_Kabuli_Chr05	NC_021164.1	34777131	AA	GG	GG	INTERGENIC		
SNP_25684B_34874947	Ca_Kabuli_Chr05	NC_021164.1	34874947	CC	TT	TT	INTERGENIC		
SNP_25685B_34875212	Ca_Kabuli_Chr05	NC_021164.1	34875212	AA	GG	GG	INTERGENIC		
SNP_25686B_34875286	Ca_Kabuli_Chr05	NC_021164.1	34875286	TT	CC	CC	INTERGENIC		
SNP_25687B_34875308	Ca_Kabuli_Chr05	NC_021164.1	34875308	AA	GG	GG	INTERGENIC		
SNP_25688B_34898389	Ca_Kabuli_Chr05	NC_021164.1	34898389	TT	AA	AA	INTERGENIC		
SNP_25691B_35197432	Ca_Kabuli_Chr05	NC_021164.1	35197432	GG	AA	AA	URR	101511348	26S proteasome non-ATPase regulatory subunit 12 homolog A-like
SNP_25692B_35202350	Ca_Kabuli_Chr05	NC_021164.1	35202350	TT	CC	CC	INTERGENIC		
SNP_25693B_35202352	Ca_Kabuli_Chr05	NC_021164.1	35202352	TT	GG	GG	INTERGENIC		
SNP_25695B_35410591	Ca_Kabuli_Chr05	NC_021164.1	35410591	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_25697B_35507381	Ca_Kabuli_Chr05	NC_021164.1	35507381	TT	AA	AA	DRR	101506430	uncharacterized LOC101506430
SNP_25698B_35570453	Ca_Kabuli_Chr05	NC_021164.1	35570453	GG	TT	TT	INTERGENIC		
SNP_25699B_35570533	Ca_Kabuli_Chr05	NC_021164.1	35570533	TT	AA	AA	INTERGENIC		
SNP_25700B_35571452	Ca_Kabuli_Chr05	NC_021164.1	35571452	AA	CC	CC	INTERGENIC		
SNP_25701B_35571486	Ca_Kabuli_Chr05	NC_021164.1	35571486	AA	CC	CC	INTERGENIC		
SNP_25703B_35606571	Ca_Kabuli_Chr05	NC_021164.1	35606571	GG	AA	AA	INTERGENIC		
SNP_25706B_35798219	Ca_Kabuli_Chr05	NC_021164.1	35798219	AA	TT	TT	URR	101507414	serine/threonine-protein kinase tricorner
SNP_25708B_35909420	Ca_Kabuli_Chr05	NC_021164.1	35909420	TT	GG	GG	INTERGENIC		
SNP_25709B_35909424	Ca_Kabuli_Chr05	NC_021164.1	35909424	AA	TT	TT	INTERGENIC		
SNP_25711B_35915976	Ca_Kabuli_Chr05	NC_021164.1	35915976	CC	TT	TT	INTERGENIC		
SNP_25712B_35916254	Ca_Kabuli_Chr05	NC_021164.1	35916254	GG	AA	AA	INTERGENIC		
SNP_25713B_35962399	Ca_Kabuli_Chr05	NC_021164.1	35962399	TT	CC	CC	INTERGENIC		
SNP_25714B_36052579	Ca_Kabuli_Chr05	NC_021164.1	36052579	AA	CC	CC	INTERGENIC		
SNP_25715B_36084329	Ca_Kabuli_Chr05	NC_021164.1	36084329	TT	GG	GG	INTERGENIC		
SNP_25717B_36254208	Ca_Kabuli_Chr05	NC_021164.1	36254208	CC	AA	AA	URR	101497959	calcium-transporting ATPase 3, endoplasmic reticulum-type
SNP_25718B_36276541	Ca_Kabuli_Chr05	NC_021164.1	36276541	AA	TT	TT	INTERGENIC		
SNP_25721B_36346780	Ca_Kabuli_Chr05	NC_021164.1	36346780	TT	CC	CC	INTERGENIC		
SNP_25722B_36445229	Ca_Kabuli_Chr05	NC_021164.1	36445229	TT	AA	AA	INTERGENIC		
SNP_25723B_36445324	Ca_Kabuli_Chr05	NC_021164.1	36445324	CC	TT	TT	INTERGENIC		
SNP_25724B_36445326	Ca_Kabuli_Chr05	NC_021164.1	36445326	CC	TT	TT	INTERGENIC		
SNP_25725B_36445365	Ca_Kabuli_Chr05	NC_021164.1	36445365	AA	GG	GG	INTERGENIC		
SNP_25726B_36445369	Ca_Kabuli_Chr05	NC_021164.1	36445369	CC	TT	TT	INTERGENIC		
SNP_25727B_36445372	Ca_Kabuli_Chr05	NC_021164.1	36445372	TT	CC	CC	INTERGENIC		
SNP_25728B_36492417	Ca_Kabuli_Chr05	NC_021164.1	36492417	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_25729B_36492445	Ca_Kabuli_Chr05	NC_021164.1	36492445	AA	GG	GG	INTERGENIC		
SNP_25730B_36492446	Ca_Kabuli_Chr05	NC_021164.1	36492446	AA	GG	GG	INTERGENIC		
SNP_25731B_36492753	Ca_Kabuli_Chr05	NC_021164.1	36492753	AA	GG	GG	INTERGENIC		
SNP_25732B_36492851	Ca_Kabuli_Chr05	NC_021164.1	36492851	AA	GG	GG	INTERGENIC		
SNP_25733B_36513977	Ca_Kabuli_Chr05	NC_021164.1	36513977	CC	TT	TT	INTERGENIC		
SNP_25734B_36538079	Ca_Kabuli_Chr05	NC_021164.1	36538079	AA	GG	GG	DRR	101511565	putative receptor protein kinase ZmPK1
SNP_25735B_36582005	Ca_Kabuli_Chr05	NC_021164.1	36582005	AA	GG	GG	INTERGENIC		
SNP_25737B_36670844	Ca_Kabuli_Chr05	NC_021164.1	36670844	GG	AA	AA	INTRON	id112273	Unknown function
SNP_25738B_36739511	Ca_Kabuli_Chr05	NC_021164.1	36739511	GG	AA	AA	INTERGENIC		
SNP_25740B_36957774	Ca_Kabuli_Chr05	NC_021164.1	36957774	GG	AA	AA	URR	101513503	Unknown function
SNP_25743B_37217549	Ca_Kabuli_Chr05	NC_021164.1	37217549	TT	AA	AA	INTERGENIC		
SNP_25744B_37217550	Ca_Kabuli_Chr05	NC_021164.1	37217550	CC	TT	TT	INTERGENIC		
SNP_25747B_37285532	Ca_Kabuli_Chr05	NC_021164.1	37285532	AA	TT	TT	INTERGENIC		
SNP_25748B_37285963	Ca_Kabuli_Chr05	NC_021164.1	37285963	TT	CC	CC	INTERGENIC		
SNP_25749B_37494457	Ca_Kabuli_Chr05	NC_021164.1	37494457	TT	AA	AA	INTERGENIC		
SNP_25750B_37562226	Ca_Kabuli_Chr05	NC_021164.1	37562226	GG	AA	AA	URR	101490938	protein SABRE
SNP_25751B_37567325	Ca_Kabuli_Chr05	NC_021164.1	37567325	AA	GG	GG	INTERGENIC		
SNP_25752B_37567418	Ca_Kabuli_Chr05	NC_021164.1	37567418	AA	GG	GG	INTERGENIC		
SNP_25753B_37567436	Ca_Kabuli_Chr05	NC_021164.1	37567436	AA	CC	CC	INTERGENIC		
SNP_25754B_37567915	Ca_Kabuli_Chr05	NC_021164.1	37567915	TT	CC	CC	INTERGENIC		
SNP_25757B_37686471	Ca_Kabuli_Chr05	NC_021164.1	37686471	GG	AA	AA	INTERGENIC		
SNP_25758B_37686472	Ca_Kabuli_Chr05	NC_021164.1	37686472	GG	AA	AA	INTERGENIC		
SNP_25759B_37701887	Ca_Kabuli_Chr05	NC_021164.1	37701887	AA	TT	TT	INTERGENIC		
SNP_25760B_37839251	Ca_Kabuli_Chr05	NC_021164.1	37839251	GG	AA	AA	URR	101501389	F-box protein At1g67340

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_25761B_37888337	Ca_Kabuli_Chr05	NC_021164.1	37888337	AA	GG	GG	URR	101502668	acetolactate synthase 2, chloroplastic-like
SNP_25762B_37888343	Ca_Kabuli_Chr05	NC_021164.1	37888343	AA	CC	CC	URR	101502668	acetolactate synthase 2, chloroplastic-like
SNP_25763B_37888347	Ca_Kabuli_Chr05	NC_021164.1	37888347	AA	GG	GG	URR	101502668	acetolactate synthase 2, chloroplastic-like
SNP_25765B_37919734	Ca_Kabuli_Chr05	NC_021164.1	37919734	TT	CC	CC	URR	101506101	non-specific phospholipase C6
SNP_25766B_37981030	Ca_Kabuli_Chr05	NC_021164.1	37981030	AA	TT	TT	DRR	101508771	SWI/SNF complex subunit SWI3A
SNP_25767B_37981066	Ca_Kabuli_Chr05	NC_021164.1	37981066	AA	GG	GG	DRR	101508771	SWI/SNF complex subunit SWI3A
SNP_25768B_37981131	Ca_Kabuli_Chr05	NC_021164.1	37981131	CC	AA	AA	DRR	101508771	SWI/SNF complex subunit SWI3A
SNP_25769B_37986336	Ca_Kabuli_Chr05	NC_021164.1	37986336	CC	GG	GG	URR	101508771	SWI/SNF complex subunit SWI3A
SNP_25770B_37988596	Ca_Kabuli_Chr05	NC_021164.1	37988596	AA	GG	GG	INTERGENIC		
SNP_25771B_37988632	Ca_Kabuli_Chr05	NC_021164.1	37988632	GG	TT	TT	INTERGENIC		
SNP_25772B_37988690	Ca_Kabuli_Chr05	NC_021164.1	37988690	CC	TT	TT	INTERGENIC		
SNP_25773B_37988706	Ca_Kabuli_Chr05	NC_021164.1	37988706	AA	GG	GG	INTERGENIC		
SNP_25774B_38005109	Ca_Kabuli_Chr05	NC_021164.1	38005109	CC	AA	AA	INTERGENIC		
SNP_25776B_38015026	Ca_Kabuli_Chr05	NC_021164.1	38015026	TT	GG	GG	INTERGENIC		
SNP_25777B_38015905	Ca_Kabuli_Chr05	NC_021164.1	38015905	GG	CC	CC	INTERGENIC		
SNP_25778B_38016606	Ca_Kabuli_Chr05	NC_021164.1	38016606	CC	TT	TT	INTRON	101510279	RNA pseudouridine synthase 7
SNP_25780B_38016968	Ca_Kabuli_Chr05	NC_021164.1	38016968	TT	GG	GG	NON_SYNONYMOUS_CODING	101510279	RNA pseudouridine synthase 7
SNP_25781B_38017313	Ca_Kabuli_Chr05	NC_021164.1	38017313	TT	CC	CC	INTRON	101510279	RNA pseudouridine synthase 7
SNP_25782B_38017322	Ca_Kabuli_Chr05	NC_021164.1	38017322	AA	TT	TT	INTRON	101510279	RNA pseudouridine synthase 7
SNP_25783B_38017666	Ca_Kabuli_Chr05	NC_021164.1	38017666	TT	GG	GG	INTRON	101510279	RNA pseudouridine synthase 7
SNP_25784B_38023934	Ca_Kabuli_Chr05	NC_021164.1	38023934	AA	TT	TT	INTRON	101488880	bidirectional sugar transporter SWEET10
SNP_25785B_38024283	Ca_Kabuli_Chr05	NC_021164.1	38024283	CC	GG	GG	INTRON	101488880	bidirectional sugar transporter SWEET10
SNP_25786B_38024289	Ca_Kabuli_Chr05	NC_021164.1	38024289	CC	AA	AA	INTRON	101488880	bidirectional sugar transporter SWEET10
SNP_25788B_38026752	Ca_Kabuli_Chr05	NC_021164.1	38026752	CC	GG	GG	URR	101488880	bidirectional sugar transporter SWEET10

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_25790B_38033325	Ca_Kabuli_Chr05	NC_021164.1	38033325	AA	GG	GG	URR	101510607	bidirectional sugar transporter N3
SNP_25795B_38036812	Ca_Kabuli_Chr05	NC_021164.1	38036812	TT	CC	CC	INTERGENIC		
SNP_25796B_38036831	Ca_Kabuli_Chr05	NC_021164.1	38036831	TT	CC	CC	INTERGENIC		
SNP_25797B_38043749	Ca_Kabuli_Chr05	NC_021164.1	38043749	AA	TT	TT	INTERGENIC		
SNP_25798B_38045698	Ca_Kabuli_Chr05	NC_021164.1	38045698	GG	AA	AA	INTERGENIC		
SNP_25799B_38048799	Ca_Kabuli_Chr05	NC_021164.1	38048799	TT	AA	AA	INTERGENIC		
SNP_25800B_38050413	Ca_Kabuli_Chr05	NC_021164.1	38050413	GG	TT	TT	INTERGENIC		
SNP_25801B_38050442	Ca_Kabuli_Chr05	NC_021164.1	38050442	GG	AA	AA	INTERGENIC		
SNP_25802B_38052586	Ca_Kabuli_Chr05	NC_021164.1	38052586	GG	AA	AA	INTERGENIC		
SNP_25803B_38052614	Ca_Kabuli_Chr05	NC_021164.1	38052614	CC	TT	TT	INTERGENIC		
SNP_25804B_38052826	Ca_Kabuli_Chr05	NC_021164.1	38052826	TT	AA	AA	INTERGENIC		
SNP_25805B_38057072	Ca_Kabuli_Chr05	NC_021164.1	38057072	CC	TT	TT	INTERGENIC		
SNP_25807B_38063311	Ca_Kabuli_Chr05	NC_021164.1	38063311	TT	GG	GG	DRR	101511564	NAC transcription factor 29
SNP_25808B_38067399	Ca_Kabuli_Chr05	NC_021164.1	38067399	CC	TT	TT	URR	101511894	histone-lysine N-methyltransferase SETD1A
SNP_25809B_38068301	Ca_Kabuli_Chr05	NC_021164.1	38068301	TT	AA	AA	URR	101511894	histone-lysine N-methyltransferase SETD1A
SNP_25810B_38068593	Ca_Kabuli_Chr05	NC_021164.1	38068593	GG	TT	TT	URR	101511894	histone-lysine N-methyltransferase SETD1A
SNP_25811B_38068736	Ca_Kabuli_Chr05	NC_021164.1	38068736	GG	AA	AA	URR	101511894	histone-lysine N-methyltransferase SETD1A
SNP_25812B_38076469	Ca_Kabuli_Chr05	NC_021164.1	38076469	CC	TT	TT	DRR	101512741	probable serine/threonine-protein kinase At1g54610
SNP_25813B_38076925	Ca_Kabuli_Chr05	NC_021164.1	38076925	AA	GG	GG	DRR	101512741	probable serine/threonine-protein kinase At1g54610
SNP_25814B_38076950	Ca_Kabuli_Chr05	NC_021164.1	38076950	GG	TT	TT	DRR	101512741	probable serine/threonine-protein kinase At1g54610
SNP_25816B_38094026	Ca_Kabuli_Chr05	NC_021164.1	38094026	CC	TT	TT	INTERGENIC		
SNP_25817B_38095630	Ca_Kabuli_Chr05	NC_021164.1	38095630	GG	AA	AA	INTERGENIC		
SNP_25818B_38096321	Ca_Kabuli_Chr05	NC_021164.1	38096321	TT	AA	AA	INTERGENIC		
SNP_25819B_38096493	Ca_Kabuli_Chr05	NC_021164.1	38096493	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_25820B_38098072	Ca_Kabuli_Chr05	NC_021164.1	38098072	AA	GG	GG	INTERGENIC		
SNP_25821B_38098102	Ca_Kabuli_Chr05	NC_021164.1	38098102	TT	AA	AA	INTERGENIC		
SNP_25822B_38098660	Ca_Kabuli_Chr05	NC_021164.1	38098660	AA	TT	TT	INTERGENIC		
SNP_25823B_38107737	Ca_Kabuli_Chr05	NC_021164.1	38107737	CC	TT	TT	INTERGENIC		
SNP_25824B_38116880	Ca_Kabuli_Chr05	NC_021164.1	38116880	TT	CC	CC	URR	101514475	vacuolar protein 8
SNP_25825B_38119183	Ca_Kabuli_Chr05	NC_021164.1	38119183	CC	TT	TT	INTERGENIC		
SNP_25826B_38127064	Ca_Kabuli_Chr05	NC_021164.1	38127064	TT	CC	CC	INTERGENIC		
SNP_25827B_38127511	Ca_Kabuli_Chr05	NC_021164.1	38127511	AA	GG	GG	INTERGENIC		
SNP_25828B_38127515	Ca_Kabuli_Chr05	NC_021164.1	38127515	CC	GG	GG	INTERGENIC		
SNP_25829B_38133794	Ca_Kabuli_Chr05	NC_021164.1	38133794	CC	TT	TT	DRR	101489847	serine/threonine-protein phosphatase 7 long form homolog
SNP_25830B_38137038	Ca_Kabuli_Chr05	NC_021164.1	38137038	CC	TT	TT	URR	101489847	serine/threonine-protein phosphatase 7 long form homolog
SNP_25831B_38137039	Ca_Kabuli_Chr05	NC_021164.1	38137039	TT	CC	CC	URR	101489847	serine/threonine-protein phosphatase 7 long form homolog
SNP_25832B_38137083	Ca_Kabuli_Chr05	NC_021164.1	38137083	GG	AA	AA	URR	101489847	serine/threonine-protein phosphatase 7 long form homolog
SNP_25833B_38138148	Ca_Kabuli_Chr05	NC_021164.1	38138148	TT	CC	CC	INTERGENIC		
SNP_25835B_38147773	Ca_Kabuli_Chr05	NC_021164.1	38147773	GG	AA	AA	INTERGENIC		
SNP_25836B_38147858	Ca_Kabuli_Chr05	NC_021164.1	38147858	AA	GG	GG	INTERGENIC		
SNP_25837B_38147886	Ca_Kabuli_Chr05	NC_021164.1	38147886	CC	TT	TT	INTERGENIC		
SNP_25838B_38148149	Ca_Kabuli_Chr05	NC_021164.1	38148149	CC	GG	GG	INTERGENIC		
SNP_25839B_38150389	Ca_Kabuli_Chr05	NC_021164.1	38150389	AA	CC	CC	INTRON	101515124	transcription factor bHLH137
SNP_25840B_38150426	Ca_Kabuli_Chr05	NC_021164.1	38150426	CC	TT	TT	INTRON	101515124	transcription factor bHLH137
SNP_25841B_38153143	Ca_Kabuli_Chr05	NC_021164.1	38153143	AA	CC	CC	URR	101515124	transcription factor bHLH137
SNP_25842B_38153824	Ca_Kabuli_Chr05	NC_021164.1	38153824	TT	CC	CC	URR	101515124	transcription factor bHLH137
SNP_25844B_38157659	Ca_Kabuli_Chr05	NC_021164.1	38157659	AA	GG	GG	INTERGENIC		
SNP_25845B_38159777	Ca_Kabuli_Chr05	NC_021164.1	38159777	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_25846B_38159784	Ca_Kabuli_Chr05	NC_021164.1	38159784	TT	CC	CC	INTERGENIC		
SNP_25847B_38160507	Ca_Kabuli_Chr05	NC_021164.1	38160507	AA	GG	GG	INTERGENIC		
SNP_25848B_38165057	Ca_Kabuli_Chr05	NC_021164.1	38165057	GG	CC	CC	INTERGENIC		
SNP_25849B_38210165	Ca_Kabuli_Chr05	NC_021164.1	38210165	TT	CC	CC	INTERGENIC		
SNP_25850B_38228592	Ca_Kabuli_Chr05	NC_021164.1	38228592	TT	GG	GG	INTERGENIC		
SNP_25851B_38229012	Ca_Kabuli_Chr05	NC_021164.1	38229012	TT	CC	CC	INTERGENIC		
SNP_25852B_38235664	Ca_Kabuli_Chr05	NC_021164.1	38235664	GG	CC	CC	INTERGENIC		
SNP_25854B_38285467	Ca_Kabuli_Chr05	NC_021164.1	38285467	TT	CC	CC	INTERGENIC		
SNP_25855B_38406010	Ca_Kabuli_Chr05	NC_021164.1	38406010	AA	CC	CC	URR	101495140	uncharacterized protein At4g14100-like
SNP_25857B_38407290	Ca_Kabuli_Chr05	NC_021164.1	38407290	GG	AA	AA	URR	101495140	uncharacterized protein At4g14100-like
SNP_25858B_38407302	Ca_Kabuli_Chr05	NC_021164.1	38407302	AA	GG	GG	URR	101495140	uncharacterized protein At4g14100-like
SNP_25859B_38407316	Ca_Kabuli_Chr05	NC_021164.1	38407316	CC	AA	AA	URR	101495140	uncharacterized protein At4g14100-like
SNP_25860B_38407331	Ca_Kabuli_Chr05	NC_021164.1	38407331	GG	TT	TT	URR	101495140	uncharacterized protein At4g14100-like
SNP_25861B_38407349	Ca_Kabuli_Chr05	NC_021164.1	38407349	TT	CC	CC	URR	101495140	uncharacterized protein At4g14100-like
SNP_25862B_38407362	Ca_Kabuli_Chr05	NC_021164.1	38407362	AA	GG	GG	URR	101495140	uncharacterized protein At4g14100-like
SNP_25863B_38407397	Ca_Kabuli_Chr05	NC_021164.1	38407397	TT	AA	AA	URR	101495140	uncharacterized protein At4g14100-like
SNP_25864B_38407399	Ca_Kabuli_Chr05	NC_021164.1	38407399	GG	AA	AA	URR	101495140	uncharacterized protein At4g14100-like
SNP_25865B_38407420	Ca_Kabuli_Chr05	NC_021164.1	38407420	GG	AA	AA	URR	101495140	uncharacterized protein At4g14100-like
SNP_25866B_38407428	Ca_Kabuli_Chr05	NC_021164.1	38407428	TT	CC	CC	URR	101495140	uncharacterized protein At4g14100-like
SNP_25867B_38407439	Ca_Kabuli_Chr05	NC_021164.1	38407439	GG	AA	AA	URR	101495140	uncharacterized protein At4g14100-like
SNP_25868B_38407532	Ca_Kabuli_Chr05	NC_021164.1	38407532	CC	TT	TT	URR	101495140	uncharacterized protein At4g14100-like
SNP_25869B_38407581	Ca_Kabuli_Chr05	NC_021164.1	38407581	AA	CC	CC	INTERGENIC		
SNP_25870B_38407630	Ca_Kabuli_Chr05	NC_021164.1	38407630	AA	GG	GG	INTERGENIC		
SNP_25871B_38425532	Ca_Kabuli_Chr05	NC_021164.1	38425532	CC	TT	TT	INTRON	101500452	uncharacterized LOC101500452

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_25872B_38432466	Ca_Kabuli_Chr05	NC_021164.1	38432466	TT	GG	GG	INTERGENIC		
SNP_25873B_38432585	Ca_Kabuli_Chr05	NC_021164.1	38432585	CC	GG	GG	INTERGENIC		
SNP_25874B_38432627	Ca_Kabuli_Chr05	NC_021164.1	38432627	TT	AA	AA	INTERGENIC		
SNP_25875B_38432763	Ca_Kabuli_Chr05	NC_021164.1	38432763	TT	CC	CC	INTERGENIC		
SNP_25876B_38432881	Ca_Kabuli_Chr05	NC_021164.1	38432881	AA	GG	GG	INTERGENIC		
SNP_25877B_38432936	Ca_Kabuli_Chr05	NC_021164.1	38432936	AA	CC	CC	INTERGENIC		
SNP_25878B_38433089	Ca_Kabuli_Chr05	NC_021164.1	38433089	AA	GG	GG	INTERGENIC		
SNP_25879B_38433195	Ca_Kabuli_Chr05	NC_021164.1	38433195	AA	GG	GG	INTERGENIC		
SNP_25880B_38433296	Ca_Kabuli_Chr05	NC_021164.1	38433296	TT	CC	CC	INTERGENIC		
SNP_25881B_38476431	Ca_Kabuli_Chr05	NC_021164.1	38476431	GG	AA	AA	DRR	101501076	ATP-dependent DNA helicase PIF6-like
SNP_25882B_38476563	Ca_Kabuli_Chr05	NC_021164.1	38476563	GG	AA	AA	DRR	101501076	ATP-dependent DNA helicase PIF6-like
SNP_25883B_38476621	Ca_Kabuli_Chr05	NC_021164.1	38476621	GG	TT	TT	DRR	101501076	ATP-dependent DNA helicase PIF6-like
SNP_25884B_38476789	Ca_Kabuli_Chr05	NC_021164.1	38476789	AA	GG	GG	DRR	101501076	ATP-dependent DNA helicase PIF6-like
SNP_25885B_38476801	Ca_Kabuli_Chr05	NC_021164.1	38476801	TT	CC	CC	DRR	101501076	ATP-dependent DNA helicase PIF6-like
SNP_25886B_38476869	Ca_Kabuli_Chr05	NC_021164.1	38476869	AA	GG	GG	DRR	101501076	ATP-dependent DNA helicase PIF6-like
SNP_25887B_38476879	Ca_Kabuli_Chr05	NC_021164.1	38476879	TT	CC	CC	DRR	101501076	ATP-dependent DNA helicase PIF6-like
SNP_25888B_38476894	Ca_Kabuli_Chr05	NC_021164.1	38476894	TT	AA	AA	DRR	101501076	ATP-dependent DNA helicase PIF6-like
SNP_25889B_38476895	Ca_Kabuli_Chr05	NC_021164.1	38476895	CC	TT	TT	DRR	101501076	ATP-dependent DNA helicase PIF6-like
SNP_25890B_38476934	Ca_Kabuli_Chr05	NC_021164.1	38476934	AA	CC	CC	URR	101500764	Unknown function
SNP_25891B_38476935	Ca_Kabuli_Chr05	NC_021164.1	38476935	TT	GG	GG	URR	101500764	Unknown function
SNP_25892B_38476989	Ca_Kabuli_Chr05	NC_021164.1	38476989	AA	GG	GG	URR	101500764	Unknown function
SNP_25893B_38598619	Ca_Kabuli_Chr05	NC_021164.1	38598619	TT	CC	CC	INTRON	101496976	lysine-specific demethylase JMJ705-like
SNP_25894B_38613576	Ca_Kabuli_Chr05	NC_021164.1	38613576	TT	AA	AA	INTERGENIC		
SNP_25895B_38652326	Ca_Kabuli_Chr05	NC_021164.1	38652326	AA	GG	GG	URR	101497961	probable UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase SPINDLY

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_25897B_38765085	Ca_Kabuli_Chr05	NC_021164.1	38765085	AA	CC	CC	INTERGENIC		
SNP_25898B_38815279	Ca_Kabuli_Chr05	NC_021164.1	38815279	TT	GG	GG	INTERGENIC		
SNP_25899B_38815282	Ca_Kabuli_Chr05	NC_021164.1	38815282	GG	CC	CC	INTERGENIC		
SNP_25900B_38849197	Ca_Kabuli_Chr05	NC_021164.1	38849197	AA	GG	GG	INTERGENIC		
SNP_25901B_38849207	Ca_Kabuli_Chr05	NC_021164.1	38849207	GG	TT	TT	INTERGENIC		
SNP_25902B_39040491	Ca_Kabuli_Chr05	NC_021164.1	39040491	TT	CC	CC	URR	101512220	general transcription factor 3C polypeptide 3-like
SNP_25903B_39055871	Ca_Kabuli_Chr05	NC_021164.1	39055871	TT	CC	CC	INTERGENIC		
SNP_25904B_39056208	Ca_Kabuli_Chr05	NC_021164.1	39056208	CC	GG	GG	INTERGENIC		
SNP_25905B_39056299	Ca_Kabuli_Chr05	NC_021164.1	39056299	AA	GG	GG	INTERGENIC		
SNP_25906B_39068532	Ca_Kabuli_Chr05	NC_021164.1	39068532	CC	TT	TT	INTERGENIC		
SNP_25907B_39118865	Ca_Kabuli_Chr05	NC_021164.1	39118865	AA	CC	CC	INTERGENIC		
SNP_25908B_39118874	Ca_Kabuli_Chr05	NC_021164.1	39118874	TT	CC	CC	INTERGENIC		
SNP_25909B_39118904	Ca_Kabuli_Chr05	NC_021164.1	39118904	AA	CC	CC	INTERGENIC		
SNP_25910B_39221975	Ca_Kabuli_Chr05	NC_021164.1	39221975	AA	GG	GG	DRR	101502033	short-chain dehydrogenase TIC 32, chloroplastic-like
SNP_25911B_39252590	Ca_Kabuli_Chr05	NC_021164.1	39252590	TT	CC	CC	DRR	101488646	protein MODIFIER OF SNC1 1-like
SNP_25912B_39327110	Ca_Kabuli_Chr05	NC_021164.1	39327110	AA	CC	CC	INTERGENIC		
SNP_25913B_39327116	Ca_Kabuli_Chr05	NC_021164.1	39327116	CC	TT	TT	INTERGENIC		
SNP_25914B_39327154	Ca_Kabuli_Chr05	NC_021164.1	39327154	AA	GG	GG	INTERGENIC		
SNP_25915B_39327180	Ca_Kabuli_Chr05	NC_021164.1	39327180	AA	GG	GG	INTERGENIC		
SNP_25916B_39328925	Ca_Kabuli_Chr05	NC_021164.1	39328925	GG	AA	AA	INTERGENIC		
SNP_25917B_39335879	Ca_Kabuli_Chr05	NC_021164.1	39335879	GG	AA	AA	INTERGENIC		
SNP_25918B_39360699	Ca_Kabuli_Chr05	NC_021164.1	39360699	CC	TT	TT	INTERGENIC		
SNP_25919B_39366062	Ca_Kabuli_Chr05	NC_021164.1	39366062	CC	TT	TT	URR	101493963	uncharacterized LOC101493963
SNP_25920B_39369661	Ca_Kabuli_Chr05	NC_021164.1	39369661	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_25921B_39489155	Ca_Kabuli_Chr05	NC_021164.1	39489155	GG	AA	AA	URR	101503960	Unknown function
SNP_25922B_39489160	Ca_Kabuli_Chr05	NC_021164.1	39489160	AA	CC	CC	URR	101503960	Unknown function
SNP_25923B_39525289	Ca_Kabuli_Chr05	NC_021164.1	39525289	CC	TT	TT	URR	101497757	dof zinc finger protein DOF5.6
SNP_25924B_39525519	Ca_Kabuli_Chr05	NC_021164.1	39525519	CC	TT	TT	URR	101497757	dof zinc finger protein DOF5.6
SNP_25925B_39530192	Ca_Kabuli_Chr05	NC_021164.1	39530192	AA	GG	GG	INTERGENIC		
SNP_25926B_39530200	Ca_Kabuli_Chr05	NC_021164.1	39530200	GG	CC	CC	INTERGENIC		
SNP_25927B_39530251	Ca_Kabuli_Chr05	NC_021164.1	39530251	AA	CC	CC	INTERGENIC		
SNP_25928B_39530323	Ca_Kabuli_Chr05	NC_021164.1	39530323	TT	CC	CC	INTERGENIC		
SNP_25929B_39530658	Ca_Kabuli_Chr05	NC_021164.1	39530658	TT	GG	GG	INTERGENIC		
SNP_25930B_39530670	Ca_Kabuli_Chr05	NC_021164.1	39530670	TT	CC	CC	INTERGENIC		
SNP_25931B_39537213	Ca_Kabuli_Chr05	NC_021164.1	39537213	AA	CC	CC	INTERGENIC		
SNP_25933B_39537649	Ca_Kabuli_Chr05	NC_021164.1	39537649	GG	AA	AA	INTERGENIC		
SNP_25934B_39553499	Ca_Kabuli_Chr05	NC_021164.1	39553499	TT	AA	AA	INTRON	101498080	serine/threonine-protein kinase ATM
SNP_25937B_39576384	Ca_Kabuli_Chr05	NC_021164.1	39576384	AA	GG	GG	INTRON	101498080	serine/threonine-protein kinase ATM
SNP_25938B_39706631	Ca_Kabuli_Chr05	NC_021164.1	39706631	CC	TT	TT	INTERGENIC		
SNP_25939B_39707201	Ca_Kabuli_Chr05	NC_021164.1	39707201	AA	GG	GG	DRR	101500349	CASP-like protein 4A3
SNP_25940B_39741542	Ca_Kabuli_Chr05	NC_021164.1	39741542	GG	AA	AA	INTERGENIC		
SNP_25941B_39748854	Ca_Kabuli_Chr05	NC_021164.1	39748854	GG	AA	AA	INTERGENIC		
SNP_25943B_39800613	Ca_Kabuli_Chr05	NC_021164.1	39800613	TT	CC	CC	INTERGENIC		
SNP_25944B_39856720	Ca_Kabuli_Chr05	NC_021164.1	39856720	AA	CC	CC	INTERGENIC		
SNP_25945B_39874912	Ca_Kabuli_Chr05	NC_021164.1	39874912	AA	GG	GG	INTERGENIC		
SNP_25946B_39884479	Ca_Kabuli_Chr05	NC_021164.1	39884479	AA	GG	GG	URR	101505135	uncharacterized LOC101505135
SNP_25947B_39918059	Ca_Kabuli_Chr05	NC_021164.1	39918059	CC	AA	AA	INTERGENIC		
SNP_25948B_39963301	Ca_Kabuli_Chr05	NC_021164.1	39963301	TT	CC	CC	DRR	101507930	betaine aldehyde dehydrogenase 1, chloroplastic-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_25949B_39967683	Ca_Kabuli_Chr05	NC_021164.1	39967683	AA	TT	TT	INTRON	101507930	betaine aldehyde dehydrogenase 1, chloroplastic-like
SNP_25950B_40053325	Ca_Kabuli_Chr05	NC_021164.1	40053325	AA	GG	GG	INTERGENIC		
SNP_25951B_40057624	Ca_Kabuli_Chr05	NC_021164.1	40057624	AA	TT	TT	INTRON	101511136	L-ascorbate oxidase
SNP_25952B_40206846	Ca_Kabuli_Chr05	NC_021164.1	40206846	CC	TT	TT	INTERGENIC		
SNP_25953B_40256857	Ca_Kabuli_Chr05	NC_021164.1	40256857	AA	GG	GG	INTERGENIC		
SNP_25954B_40308894	Ca_Kabuli_Chr05	NC_021164.1	40308894	TT	CC	CC	INTERGENIC		
SNP_25955B_40308906	Ca_Kabuli_Chr05	NC_021164.1	40308906	TT	CC	CC	INTERGENIC		
SNP_25956B_40328636	Ca_Kabuli_Chr05	NC_021164.1	40328636	AA	TT	TT	INTERGENIC		
SNP_25958B_40419139	Ca_Kabuli_Chr05	NC_021164.1	40419139	CC	TT	TT	DRR	101495676	AP-1 complex subunit sigma-1
SNP_25960B_40511733	Ca_Kabuli_Chr05	NC_021164.1	40511733	CC	TT	TT	INTERGENIC		
SNP_25962B_40512651	Ca_Kabuli_Chr05	NC_021164.1	40512651	AA	GG	GG	INTERGENIC		
SNP_25963B_40512655	Ca_Kabuli_Chr05	NC_021164.1	40512655	TT	CC	CC	INTERGENIC		
SNP_25965B_40600636	Ca_Kabuli_Chr05	NC_021164.1	40600636	AA	GG	GG	INTERGENIC		
SNP_25966B_40600651	Ca_Kabuli_Chr05	NC_021164.1	40600651	TT	CC	CC	INTERGENIC		
SNP_25967B_40600678	Ca_Kabuli_Chr05	NC_021164.1	40600678	TT	CC	CC	INTERGENIC		
SNP_25968B_40604063	Ca_Kabuli_Chr05	NC_021164.1	40604063	GG	AA	AA	INTERGENIC		
SNP_25969B_40604084	Ca_Kabuli_Chr05	NC_021164.1	40604084	AA	GG	GG	INTERGENIC		
SNP_25970B_40604086	Ca_Kabuli_Chr05	NC_021164.1	40604086	CC	GG	GG	INTERGENIC		
SNP_25971B_40604093	Ca_Kabuli_Chr05	NC_021164.1	40604093	AA	GG	GG	INTERGENIC		
SNP_25972B_40604098	Ca_Kabuli_Chr05	NC_021164.1	40604098	TT	AA	AA	INTERGENIC		
SNP_25973B_40693966	Ca_Kabuli_Chr05	NC_021164.1	40693966	CC	TT	TT	INTERGENIC		
SNP_25975B_40835923	Ca_Kabuli_Chr05	NC_021164.1	40835923	AA	GG	GG	INTERGENIC		
SNP_25976B_40858034	Ca_Kabuli_Chr05	NC_021164.1	40858034	GG	AA	AA	INTERGENIC		
SNP_25977B_40858046	Ca_Kabuli_Chr05	NC_021164.1	40858046	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_25978B_40858054	Ca_Kabuli_Chr05	NC_021164.1	40858054	GG	AA	AA	INTERGENIC		
SNP_25979B_40858055	Ca_Kabuli_Chr05	NC_021164.1	40858055	TT	AA	AA	INTERGENIC		
SNP_25980B_40858062	Ca_Kabuli_Chr05	NC_021164.1	40858062	AA	CC	CC	INTERGENIC		
SNP_25981B_40858166	Ca_Kabuli_Chr05	NC_021164.1	40858166	AA	TT	TT	INTERGENIC		
SNP_25983B_40904835	Ca_Kabuli_Chr05	NC_021164.1	40904835	TT	AA	AA	INTERGENIC		
SNP_25984B_40917638	Ca_Kabuli_Chr05	NC_021164.1	40917638	TT	AA	AA	URR	101512853	RING-H2 zinc finger protein RHA4a
SNP_25985B_40991573	Ca_Kabuli_Chr05	NC_021164.1	40991573	AA	TT	TT	INTERGENIC		
SNP_25987B_41257481	Ca_Kabuli_Chr05	NC_021164.1	41257481	AA	TT	TT	INTERGENIC		
SNP_25988B_41318811	Ca_Kabuli_Chr05	NC_021164.1	41318811	TT	CC	CC	INTERGENIC		
SNP_25989B_41318859	Ca_Kabuli_Chr05	NC_021164.1	41318859	CC	TT	TT	INTERGENIC		
SNP_25990B_41319216	Ca_Kabuli_Chr05	NC_021164.1	41319216	CC	TT	TT	INTERGENIC		
SNP_25991B_41334027	Ca_Kabuli_Chr05	NC_021164.1	41334027	GG	CC	CC	INTERGENIC		
SNP_25992B_41334182	Ca_Kabuli_Chr05	NC_021164.1	41334182	TT	CC	CC	INTERGENIC		
SNP_25993B_41337254	Ca_Kabuli_Chr05	NC_021164.1	41337254	GG	AA	AA	INTERGENIC		
SNP_25994B_41358333	Ca_Kabuli_Chr05	NC_021164.1	41358333	CC	TT	TT	INTERGENIC		
SNP_25995B_41358604	Ca_Kabuli_Chr05	NC_021164.1	41358604	CC	TT	TT	INTERGENIC		
SNP_25996B_41370878	Ca_Kabuli_Chr05	NC_021164.1	41370878	GG	AA	AA	INTERGENIC		
SNP_25997B_41374172	Ca_Kabuli_Chr05	NC_021164.1	41374172	GG	TT	TT	INTERGENIC		
SNP_25998B_41419987	Ca_Kabuli_Chr05	NC_021164.1	41419987	TT	AA	AA	DRR	101490072	Unknown function
SNP_25999B_41422979	Ca_Kabuli_Chr05	NC_021164.1	41422979	TT	CC	CC	URR	101490072	Unknown function
SNP_26000B_41423259	Ca_Kabuli_Chr05	NC_021164.1	41423259	CC	TT	TT	URR	101490072	Unknown function
SNP_26001B_41423291	Ca_Kabuli_Chr05	NC_021164.1	41423291	CC	GG	GG	URR	101490072	Unknown function
SNP_26002B_41428660	Ca_Kabuli_Chr05	NC_021164.1	41428660	AA	GG	GG	INTERGENIC		
SNP_26003B_41428757	Ca_Kabuli_Chr05	NC_021164.1	41428757	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_26005B_41428996	Ca_Kabuli_Chr05	NC_021164.1	41428996	AA	GG	GG	INTERGENIC		
SNP_26006B_41429016	Ca_Kabuli_Chr05	NC_021164.1	41429016	TT	AA	AA	INTERGENIC		
SNP_26007B_41429097	Ca_Kabuli_Chr05	NC_021164.1	41429097	AA	GG	GG	INTERGENIC		
SNP_26008B_41429142	Ca_Kabuli_Chr05	NC_021164.1	41429142	GG	AA	AA	INTERGENIC		
SNP_26009B_41437762	Ca_Kabuli_Chr05	NC_021164.1	41437762	CC	TT	TT	INTERGENIC		
SNP_26010B_41460606	Ca_Kabuli_Chr05	NC_021164.1	41460606	AA	TT	TT	INTRON	101501610	transcriptional adapter ADA2
SNP_26011B_41463574	Ca_Kabuli_Chr05	NC_021164.1	41463574	TT	CC	CC	INTRON	101501610	transcriptional adapter ADA2
SNP_26012B_41467616	Ca_Kabuli_Chr05	NC_021164.1	41467616	CC	AA	AA	INTRON	101501610	transcriptional adapter ADA2
SNP_26014B_41477660	Ca_Kabuli_Chr05	NC_021164.1	41477660	TT	CC	CC	INTRON	101501610	transcriptional adapter ADA2
SNP_26015B_41477692	Ca_Kabuli_Chr05	NC_021164.1	41477692	TT	GG	GG	INTRON	101501610	transcriptional adapter ADA2
SNP_26016B_41553033	Ca_Kabuli_Chr05	NC_021164.1	41553033	TT	CC	CC	URR	101492889	uncharacterized LOC101492889
SNP_26017B_41564254	Ca_Kabuli_Chr05	NC_021164.1	41564254	TT	AA	AA	INTERGENIC		
SNP_26018B_41644340	Ca_Kabuli_Chr05	NC_021164.1	41644340	AA	GG	GG	INTERGENIC		
SNP_26019B_41644364	Ca_Kabuli_Chr05	NC_021164.1	41644364	AA	GG	GG	INTERGENIC		
SNP_26020B_41672227	Ca_Kabuli_Chr05	NC_021164.1	41672227	GG	AA	AA	INTRON	101502255	uncharacterized LOC101502255
SNP_26021B_41677766	Ca_Kabuli_Chr05	NC_021164.1	41677766	CC	AA	AA	NON_SYNONYMOUS_CODING	101496222	protein argonaute 16-like
SNP_26022B_41677791	Ca_Kabuli_Chr05	NC_021164.1	41677791	AA	CC	CC	SYNONYMOUS_CODING	101496222	protein argonaute 16-like
SNP_26023B_41677966	Ca_Kabuli_Chr05	NC_021164.1	41677966	TT	GG	GG	INTRON	101496222	protein argonaute 16-like
SNP_26024B_41677967	Ca_Kabuli_Chr05	NC_021164.1	41677967	AA	TT	TT	INTRON	101496222	protein argonaute 16-like
SNP_26025B_41677979	Ca_Kabuli_Chr05	NC_021164.1	41677979	CC	AA	AA	NON_SYNONYMOUS_CODING	101496222	protein argonaute 16-like
SNP_26026B_41678072	Ca_Kabuli_Chr05	NC_021164.1	41678072	AA	TT	TT	NON_SYNONYMOUS_CODING	101496222	protein argonaute 16-like
SNP_26028B_41727327	Ca_Kabuli_Chr05	NC_021164.1	41727327	AA	GG	GG	INTERGENIC		
SNP_26029B_41778523	Ca_Kabuli_Chr05	NC_021164.1	41778523	AA	GG	GG	INTERGENIC		
SNP_26030B_41794813	Ca_Kabuli_Chr05	NC_021164.1	41794813	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_26031B_41795075	Ca_Kabuli_Chr05	NC_021164.1	41795075	CC	TT	TT	INTERGENIC		
SNP_26032B_41795326	Ca_Kabuli_Chr05	NC_021164.1	41795326	AA	GG	GG	INTERGENIC		
SNP_26033B_41795560	Ca_Kabuli_Chr05	NC_021164.1	41795560	CC	GG	GG	INTERGENIC		
SNP_26034B_41795694	Ca_Kabuli_Chr05	NC_021164.1	41795694	GG	AA	AA	INTERGENIC		
SNP_26035B_41795809	Ca_Kabuli_Chr05	NC_021164.1	41795809	CC	TT	TT	INTERGENIC		
SNP_26036B_41800062	Ca_Kabuli_Chr05	NC_021164.1	41800062	AA	GG	GG	URR	101500350	titin-like
SNP_26037B_41812775	Ca_Kabuli_Chr05	NC_021164.1	41812775	GG	TT	TT	INTERGENIC		
SNP_26038B_41813446	Ca_Kabuli_Chr05	NC_021164.1	41813446	AA	TT	TT	DRR	101505136	uncharacterized LOC101505136
SNP_26040B_42248753	Ca_Kabuli_Chr05	NC_021164.1	42248753	CC	TT	TT	INTERGENIC		
SNP_26041B_42392616	Ca_Kabuli_Chr05	NC_021164.1	42392616	AA	GG	GG	INTERGENIC		
SNP_26042B_42392768	Ca_Kabuli_Chr05	NC_021164.1	42392768	AA	TT	TT	INTERGENIC		
SNP_26045B_42593363	Ca_Kabuli_Chr05	NC_021164.1	42593363	AA	CC	CC	INTRON	101506326	putative lipid transfer protein GPI-anchored
SNP_26046B_42720153	Ca_Kabuli_Chr05	NC_021164.1	42720153	TT	CC	CC	DRR	101510393	65-kDa microtubule-associated protein 8-like
SNP_26047B_42737401	Ca_Kabuli_Chr05	NC_021164.1	42737401	AA	TT	TT	INTERGENIC		
SNP_26048B_42794032	Ca_Kabuli_Chr05	NC_021164.1	42794032	TT	CC	CC	DRR	101514697	urease
SNP_26050B_42919928	Ca_Kabuli_Chr05	NC_021164.1	42919928	TT	CC	CC	INTERGENIC		
SNP_26051B_42921669	Ca_Kabuli_Chr05	NC_021164.1	42921669	TT	GG	GG	INTERGENIC		
SNP_26052B_42924340	Ca_Kabuli_Chr05	NC_021164.1	42924340	GG	AA	AA	SYNONYMOUS_CODING	101492223	trihelix transcription factor GT-4
SNP_26053B_42996595	Ca_Kabuli_Chr05	NC_021164.1	42996595	GG	AA	AA	INTERGENIC		
SNP_26057B_43367091	Ca_Kabuli_Chr05	NC_021164.1	43367091	AA	CC	CC	INTRON	101490943	uncharacterized LOC101490943
SNP_26058B_43405206	Ca_Kabuli_Chr05	NC_021164.1	43405206	AA	TT	TT	INTERGENIC		
SNP_26060B_43481069	Ca_Kabuli_Chr05	NC_021164.1	43481069	TT	CC	CC	URR	101491778	ubiquitin carboxyl-terminal hydrolase 4-like
SNP_26061B_43481098	Ca_Kabuli_Chr05	NC_021164.1	43481098	AA	CC	CC	URR	101491778	ubiquitin carboxyl-terminal hydrolase 4-like
SNP_26062B_43481174	Ca_Kabuli_Chr05	NC_021164.1	43481174	GG	TT	TT	URR	101491778	ubiquitin carboxyl-terminal hydrolase 4-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_26063B_43481216	Ca_Kabuli_Chr05	NC_021164.1	43481216	GG	AA	AA	URR	101491778	ubiquitin carboxyl-terminal hydrolase 4-like
SNP_26064B_43481263	Ca_Kabuli_Chr05	NC_021164.1	43481263	CC	AA	AA	URR	101491778	ubiquitin carboxyl-terminal hydrolase 4-like
SNP_26066B_43574420	Ca_Kabuli_Chr05	NC_021164.1	43574420	TT	AA	AA	INTERGENIC		
SNP_26069B_43904849	Ca_Kabuli_Chr05	NC_021164.1	43904849	TT	CC	CC	INTERGENIC		
SNP_26070B_43904871	Ca_Kabuli_Chr05	NC_021164.1	43904871	TT	CC	CC	INTERGENIC		
SNP_26071B_43904941	Ca_Kabuli_Chr05	NC_021164.1	43904941	TT	GG	GG	INTERGENIC		
SNP_26072B_43905103	Ca_Kabuli_Chr05	NC_021164.1	43905103	TT	CC	CC	INTERGENIC		
SNP_26073B_43905233	Ca_Kabuli_Chr05	NC_021164.1	43905233	TT	CC	CC	URR	101507932	Unknown function
SNP_26074B_43905274	Ca_Kabuli_Chr05	NC_021164.1	43905274	TT	AA	AA	URR	101507932	Unknown function
SNP_26075B_43905358	Ca_Kabuli_Chr05	NC_021164.1	43905358	AA	GG	GG	URR	101507932	Unknown function
SNP_26076B_43910241	Ca_Kabuli_Chr05	NC_021164.1	43910241	GG	AA	AA	INTERGENIC		
SNP_26077B_43918828	Ca_Kabuli_Chr05	NC_021164.1	43918828	GG	TT	TT	INTERGENIC		
SNP_26078B_43918840	Ca_Kabuli_Chr05	NC_021164.1	43918840	TT	AA	AA	INTERGENIC		
SNP_26079B_43918865	Ca_Kabuli_Chr05	NC_021164.1	43918865	AA	TT	TT	INTERGENIC		
SNP_26080B_43918874	Ca_Kabuli_Chr05	NC_021164.1	43918874	GG	AA	AA	INTERGENIC		
SNP_26081B_43918930	Ca_Kabuli_Chr05	NC_021164.1	43918930	GG	AA	AA	INTERGENIC		
SNP_26082B_43918947	Ca_Kabuli_Chr05	NC_021164.1	43918947	CC	TT	TT	INTERGENIC		
SNP_26084B_43919249	Ca_Kabuli_Chr05	NC_021164.1	43919249	TT	AA	AA	INTERGENIC		
SNP_26085B_43919288	Ca_Kabuli_Chr05	NC_021164.1	43919288	TT	GG	GG	INTERGENIC		
SNP_26086B_43920637	Ca_Kabuli_Chr05	NC_021164.1	43920637	GG	CC	CC	INTERGENIC		
SNP_26087B_43920639	Ca_Kabuli_Chr05	NC_021164.1	43920639	GG	AA	AA	INTERGENIC		
SNP_26088B_43920646	Ca_Kabuli_Chr05	NC_021164.1	43920646	CC	TT	TT	INTERGENIC		
SNP_26089B_43920658	Ca_Kabuli_Chr05	NC_021164.1	43920658	AA	GG	GG	INTERGENIC		
SNP_26090B_43920662	Ca_Kabuli_Chr05	NC_021164.1	43920662	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_26091B_43920808	Ca_Kabuli_Chr05	NC_021164.1	43920808	AA	CC	CC	INTERGENIC		
SNP_26092B_43920809	Ca_Kabuli_Chr05	NC_021164.1	43920809	CC	TT	TT	INTERGENIC		
SNP_26093B_43920853	Ca_Kabuli_Chr05	NC_021164.1	43920853	TT	CC	CC	INTERGENIC		
SNP_26094B_43920890	Ca_Kabuli_Chr05	NC_021164.1	43920890	TT	AA	AA	INTERGENIC		
SNP_26095B_43920929	Ca_Kabuli_Chr05	NC_021164.1	43920929	AA	GG	GG	INTERGENIC		
SNP_26098B_44177885	Ca_Kabuli_Chr05	NC_021164.1	44177885	TT	CC	CC	INTERGENIC		
SNP_26099B_44211645	Ca_Kabuli_Chr05	NC_021164.1	44211645	TT	CC	CC	INTERGENIC		
SNP_26100B_44211648	Ca_Kabuli_Chr05	NC_021164.1	44211648	CC	TT	TT	INTERGENIC		
SNP_26101B_44211667	Ca_Kabuli_Chr05	NC_021164.1	44211667	GG	AA	AA	INTERGENIC		
SNP_26102B_44211673	Ca_Kabuli_Chr05	NC_021164.1	44211673	AA	GG	GG	INTERGENIC		
SNP_26103B_44211701	Ca_Kabuli_Chr05	NC_021164.1	44211701	TT	GG	GG	INTERGENIC		
SNP_26104B_44211706	Ca_Kabuli_Chr05	NC_021164.1	44211706	AA	GG	GG	INTERGENIC		
SNP_26105B_44212038	Ca_Kabuli_Chr05	NC_021164.1	44212038	TT	CC	CC	INTERGENIC		
SNP_26107B_44269323	Ca_Kabuli_Chr05	NC_021164.1	44269323	CC	TT	TT	INTERGENIC		
SNP_26108B_44411901	Ca_Kabuli_Chr05	NC_021164.1	44411901	TT	GG	GG	INTERGENIC		
SNP_26109B_44454858	Ca_Kabuli_Chr05	NC_021164.1	44454858	TT	AA	AA	DRR	101505137	UDP-sugar pyrophospharylase
SNP_26110B_44528084	Ca_Kabuli_Chr05	NC_021164.1	44528084	TT	CC	CC	INTRON	101491889	gibberellin 20 oxidase 2-like
SNP_26111B_44592097	Ca_Kabuli_Chr05	NC_021164.1	44592097	CC	AA	AA	INTERGENIC		
SNP_26112B_44596762	Ca_Kabuli_Chr05	NC_021164.1	44596762	TT	AA	AA	INTERGENIC		
SNP_26113B_44596763	Ca_Kabuli_Chr05	NC_021164.1	44596763	TT	AA	AA	INTERGENIC		
SNP_26115B_44596823	Ca_Kabuli_Chr05	NC_021164.1	44596823	TT	CC	CC	INTERGENIC		
SNP_26116B_44596933	Ca_Kabuli_Chr05	NC_021164.1	44596933	AA	CC	CC	INTERGENIC		
SNP_26118B_44597163	Ca_Kabuli_Chr05	NC_021164.1	44597163	TT	AA	AA	INTERGENIC		
SNP_26119B_44597168	Ca_Kabuli_Chr05	NC_021164.1	44597168	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_26120B_44597207	Ca_Kabuli_Chr05	NC_021164.1	44597207	TT	CC	CC	INTERGENIC		
SNP_26121B_44597222	Ca_Kabuli_Chr05	NC_021164.1	44597222	TT	CC	CC	INTERGENIC		
SNP_26122B_44744606	Ca_Kabuli_Chr05	NC_021164.1	44744606	AA	TT	TT	INTRON	101513069	transcription factor MYB44-like
SNP_26123B_44775282	Ca_Kabuli_Chr05	NC_021164.1	44775282	TT	CC	CC	URR	101513937	transcriptional corepressor SEUSS-like
SNP_26124B_44844309	Ca_Kabuli_Chr05	NC_021164.1	44844309	AA	GG	GG	DRR	101488883	alcohol dehydrogenase 1
SNP_26126B_44947416	Ca_Kabuli_Chr05	NC_021164.1	44947416	CC	TT	TT	DRR	101494912	dof zinc finger protein DOF5.1
SNP_26127B_44967759	Ca_Kabuli_Chr05	NC_021164.1	44967759	TT	CC	CC	URR	101495243	protein MKS1
SNP_26128B_45053472	Ca_Kabuli_Chr05	NC_021164.1	45053472	GG	AA	AA	INTERGENIC		
SNP_26129B_45085417	Ca_Kabuli_Chr05	NC_021164.1	45085417	TT	AA	AA	INTERGENIC		
SNP_26130B_45086457	Ca_Kabuli_Chr05	NC_021164.1	45086457	AA	GG	GG	INTERGENIC		
SNP_26131B_45086611	Ca_Kabuli_Chr05	NC_021164.1	45086611	AA	TT	TT	INTERGENIC		
SNP_26132B_45086818	Ca_Kabuli_Chr05	NC_021164.1	45086818	CC	TT	TT	INTERGENIC		
SNP_26134B_45087028	Ca_Kabuli_Chr05	NC_021164.1	45087028	CC	TT	TT	INTERGENIC		
SNP_26135B_45094324	Ca_Kabuli_Chr05	NC_021164.1	45094324	TT	AA	AA	URR	101499800	bidirectional sugar transporter SWEET3-like
SNP_26136B_45094365	Ca_Kabuli_Chr05	NC_021164.1	45094365	CC	TT	TT	URR	101499800	bidirectional sugar transporter SWEET3-like
SNP_26138B_45096025	Ca_Kabuli_Chr05	NC_021164.1	45096025	GG	AA	AA	INTERGENIC		
SNP_26139B_45096272	Ca_Kabuli_Chr05	NC_021164.1	45096272	GG	AA	AA	INTERGENIC		
SNP_26140B_45097448	Ca_Kabuli_Chr05	NC_021164.1	45097448	GG	AA	AA	INTERGENIC		
SNP_26141B_45097741	Ca_Kabuli_Chr05	NC_021164.1	45097741	AA	CC	CC	INTERGENIC		
SNP_26142B_45097789	Ca_Kabuli_Chr05	NC_021164.1	45097789	TT	AA	AA	INTERGENIC		
SNP_26143B_45206277	Ca_Kabuli_Chr05	NC_021164.1	45206277	CC	GG	GG	URR	101503750	spermine synthase-like
SNP_26144B_45209560	Ca_Kabuli_Chr05	NC_021164.1	45209560	AA	GG	GG	INTERGENIC		
SNP_26145B_45268005	Ca_Kabuli_Chr05	NC_021164.1	45268005	GG	TT	TT	INTERGENIC		
SNP_26148B_45712070	Ca_Kabuli_Chr05	NC_021164.1	45712070	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_26150B_45745864	Ca_Kabuli_Chr05	NC_021164.1	45745864	TT	CC	CC	INTERGENIC		
SNP_26151B_45746955	Ca_Kabuli_Chr05	NC_021164.1	45746955	AA	CC	CC	DRR	101501393	probable 6-phosphogluconolactonase 5, chloroplastic
SNP_26153B_45750181	Ca_Kabuli_Chr05	NC_021164.1	45750181	CC	GG	GG	INTRON	101501393	probable 6-phosphogluconolactonase 5, chloroplastic
SNP_26154B_45750222	Ca_Kabuli_Chr05	NC_021164.1	45750222	AA	GG	GG	INTRON	101501393	probable 6-phosphogluconolactonase 5, chloroplastic
SNP_26155B_45760127	Ca_Kabuli_Chr05	NC_021164.1	45760127	AA	TT	TT	URR	101501706	ubiquitin-60S ribosomal protein L40
SNP_26156B_45771267	Ca_Kabuli_Chr05	NC_021164.1	45771267	GG	AA	AA	INTERGENIC		
SNP_26157B_45821193	Ca_Kabuli_Chr05	NC_021164.1	45821193	AA	TT	TT	INTERGENIC		
SNP_26158B_45851552	Ca_Kabuli_Chr05	NC_021164.1	45851552	GG	AA	AA	URR	101505687	uncharacterized LOC101505687
SNP_26159B_45897361	Ca_Kabuli_Chr05	NC_021164.1	45897361	AA	TT	TT	INTRON	101497760	putative receptor-like protein kinase At3g47110
SNP_26160B_45929658	Ca_Kabuli_Chr05	NC_021164.1	45929658	GG	AA	AA	URR	101507727	uncharacterized LOC101507727
SNP_26161B_45963348	Ca_Kabuli_Chr05	NC_021164.1	45963348	TT	CC	CC	INTERGENIC		
SNP_26162B_46041790	Ca_Kabuli_Chr05	NC_021164.1	46041790	AA	TT	TT	INTERGENIC		
SNP_26163B_46041800	Ca_Kabuli_Chr05	NC_021164.1	46041800	CC	TT	TT	INTERGENIC		
SNP_26164B_46201740	Ca_Kabuli_Chr05	NC_021164.1	46201740	AA	TT	TT	URR	101493859	stomatin-like protein 2, mitochondrial
SNP_26165B_46208381	Ca_Kabuli_Chr05	NC_021164.1	46208381	AA	TT	TT	INTRON	101499081	uncharacterized LOC101499081
SNP_26168B_46349093	Ca_Kabuli_Chr05	NC_021164.1	46349093	GG	AA	AA	INTERGENIC		
SNP_26170B_46418383	Ca_Kabuli_Chr05	NC_021164.1	46418383	TT	CC	CC	URR	101505139	uncharacterized LOC101505139
SNP_26171B_46655029	Ca_Kabuli_Chr05	NC_021164.1	46655029	AA	TT	TT	INTERGENIC		
SNP_26174B_46870374	Ca_Kabuli_Chr05	NC_021164.1	46870374	TT	GG	GG	INTERGENIC		
SNP_26175B_46870629	Ca_Kabuli_Chr05	NC_021164.1	46870629	CC	TT	TT	INTERGENIC		
SNP_26176B_46871016	Ca_Kabuli_Chr05	NC_021164.1	46871016	AA	GG	GG	INTERGENIC		
SNP_26177B_46906351	Ca_Kabuli_Chr05	NC_021164.1	46906351	GG	AA	AA	INTERGENIC		
SNP_26180B_47156203	Ca_Kabuli_Chr05	NC_021164.1	47156203	GG	TT	TT	URR	101506760	WD repeat-containing protein 44-like
SNP_26181B_47176414	Ca_Kabuli_Chr05	NC_021164.1	47176414	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_26182B_47281193	Ca_Kabuli_Chr05	NC_021164.1	47281193	CC	TT	TT	INTERGENIC		
SNP_26183B_47304292	Ca_Kabuli_Chr05	NC_021164.1	47304292	CC	AA	AA	INTRON	101511777	phosphatidylinositol 4-kinase beta 1
SNP_26184B_47361333	Ca_Kabuli_Chr05	NC_021164.1	47361333	TT	AA	AA	INTERGENIC		
SNP_26185B_47434915	Ca_Kabuli_Chr05	NC_021164.1	47434915	TT	CC	CC	DRR	101504183	uncharacterized LOC101504183
SNP_26186B_47453352	Ca_Kabuli_Chr05	NC_021164.1	47453352	AA	TT	TT	SYNONYMOUS_CODING	101504511	flocculation protein FLO11-like
SNP_26187B_47453577	Ca_Kabuli_Chr05	NC_021164.1	47453577	CC	TT	TT	SYNONYMOUS_CODING	101504511	flocculation protein FLO11-like
SNP_26188B_47453607	Ca_Kabuli_Chr05	NC_021164.1	47453607	GG	AA	AA	SYNONYMOUS_CODING	101504511	flocculation protein FLO11-like
SNP_26189B_47453628	Ca_Kabuli_Chr05	NC_021164.1	47453628	AA	CC	CC	SYNONYMOUS_CODING	101504511	flocculation protein FLO11-like
SNP_26190B_47455240	Ca_Kabuli_Chr05	NC_021164.1	47455240	AA	CC	CC	URR	101504511	flocculation protein FLO11-like
SNP_26191B_47455417	Ca_Kabuli_Chr05	NC_021164.1	47455417	GG	AA	AA	URR	101504511	flocculation protein FLO11-like
SNP_26192B_47455494	Ca_Kabuli_Chr05	NC_021164.1	47455494	GG	CC	CC	URR	101504511	flocculation protein FLO11-like
SNP_26193B_47455509	Ca_Kabuli_Chr05	NC_021164.1	47455509	CC	TT	TT	URR	101504511	flocculation protein FLO11-like
SNP_26194B_47455578	Ca_Kabuli_Chr05	NC_021164.1	47455578	AA	TT	TT	URR	101504511	flocculation protein FLO11-like
SNP_26195B_47519942	Ca_Kabuli_Chr05	NC_021164.1	47519942	TT	AA	AA	DRR	101492775	DNA polymerase delta catalytic subunit
SNP_26196B_47557859	Ca_Kabuli_Chr05	NC_021164.1	47557859	TT	GG	GG	INTERGENIC		
SNP_26199B_47798022	Ca_Kabuli_Chr05	NC_021164.1	47798022	TT	AA	AA	INTERGENIC		
SNP_26200B_47875330	Ca_Kabuli_Chr05	NC_021164.1	47875330	TT	CC	CC	URR	101506981	probable magnesium transporter NIPA6
SNP_26201B_47875332	Ca_Kabuli_Chr05	NC_021164.1	47875332	TT	CC	CC	URR	101506981	probable magnesium transporter NIPA6
SNP_26202B_47955297	Ca_Kabuli_Chr05	NC_021164.1	47955297	TT	AA	AA	INTERGENIC		
SNP_26203B_47983754	Ca_Kabuli_Chr05	NC_021164.1	47983754	CC	GG	GG	INTERGENIC		
SNP_26204B_48157630	Ca_Kabuli_Chr05	NC_021164.1	48157630	TT	AA	AA	URR	101507728	Unknown function
SNP_26205B_48164369	Ca_Kabuli_Chr05	NC_021164.1	48164369	AA	GG	GG	INTERGENIC		
SNP_26206B_23921	Ca_Kabuli_Chr06	NC_021165.1	23921	GG	TT	TT	URR	101512549	putative cysteine proteinase inhibitor 7
SNP_26208B_112807	Ca_Kabuli_Chr06	NC_021165.1	112807	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_26209B_112843	Ca_Kabuli_Chr06	NC_021165.1	112843	TT	GG	GG	INTERGENIC		
SNP_26210B_112866	Ca_Kabuli_Chr06	NC_021165.1	112866	CC	AA	AA	INTERGENIC		
SNP_26212B_113047	Ca_Kabuli_Chr06	NC_021165.1	113047	CC	TT	TT	INTERGENIC		
SNP_26213B_113115	Ca_Kabuli_Chr06	NC_021165.1	113115	AA	GG	GG	INTERGENIC		
SNP_26214B_113222	Ca_Kabuli_Chr06	NC_021165.1	113222	TT	CC	CC	INTERGENIC		
SNP_26215B_113251	Ca_Kabuli_Chr06	NC_021165.1	113251	AA	GG	GG	INTERGENIC		
SNP_26216B_113252	Ca_Kabuli_Chr06	NC_021165.1	113252	AA	GG	GG	INTERGENIC		
SNP_26217B_120278	Ca_Kabuli_Chr06	NC_021165.1	120278	CC	AA	AA	INTERGENIC		
SNP_26218B_120556	Ca_Kabuli_Chr06	NC_021165.1	120556	CC	TT	TT	INTERGENIC		
SNP_26219B_130986	Ca_Kabuli_Chr06	NC_021165.1	130986	AA	GG	GG	DRR	101492103	type I inositol 1,4,5-trisphosphate 5-phosphatase 12-like
SNP_26220B_131003	Ca_Kabuli_Chr06	NC_021165.1	131003	TT	CC	CC	DRR	101492103	type I inositol 1,4,5-trisphosphate 5-phosphatase 12-like
SNP_26221B_140816	Ca_Kabuli_Chr06	NC_021165.1	140816	AA	CC	CC	URR	101492103	type I inositol 1,4,5-trisphosphate 5-phosphatase 12-like
SNP_26222B_159091	Ca_Kabuli_Chr06	NC_021165.1	159091	TT	AA	AA	INTERGENIC		
SNP_26223B_159101	Ca_Kabuli_Chr06	NC_021165.1	159101	CC	TT	TT	INTERGENIC		
SNP_26224B_159117	Ca_Kabuli_Chr06	NC_021165.1	159117	AA	GG	GG	INTERGENIC		
SNP_26225B_168226	Ca_Kabuli_Chr06	NC_021165.1	168226	TT	CC	CC	INTRON	101515680	CASP-like protein 2A2
SNP_26226B_168291	Ca_Kabuli_Chr06	NC_021165.1	168291	TT	CC	CC	INTRON	101515680	CASP-like protein 2A2
SNP_26227B_168304	Ca_Kabuli_Chr06	NC_021165.1	168304	CC	GG	GG	INTRON	101515680	CASP-like protein 2A2
SNP_26228B_252478	Ca_Kabuli_Chr06	NC_021165.1	252478	CC	TT	TT	INTERGENIC		
SNP_26230B_398127	Ca_Kabuli_Chr06	NC_021165.1	398127	TT	GG	GG	INTERGENIC		
SNP_26231B_474489	Ca_Kabuli_Chr06	NC_021165.1	474489	CC	AA	AA	INTERGENIC		
SNP_26232B_563656	Ca_Kabuli_Chr06	NC_021165.1	563656	AA	TT	TT	URR	101498632	NADH dehydrogenase [ubiquinone] iron-sulfur protein 1, mitochondrial
SNP_26234B_720573	Ca_Kabuli_Chr06	NC_021165.1	720573	AA	CC	CC	INTERGENIC		
SNP_26235B_850859	Ca_Kabuli_Chr06	NC_021165.1	850859	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_26237B_851212	Ca_Kabuli_Chr06	NC_021165.1	851212	CC	GG	GG	INTERGENIC		
SNP_26238B_851269	Ca_Kabuli_Chr06	NC_021165.1	851269	GG	TT	TT	INTERGENIC		
SNP_26239B_1094916	Ca_Kabuli_Chr06	NC_021165.1	1094916	TT	CC	CC	DRR	101496341	thaumatin-like protein
SNP_26240B_1095172	Ca_Kabuli_Chr06	NC_021165.1	1095172	GG	AA	AA	DRR	101496341	thaumatin-like protein
SNP_26241B_1175620	Ca_Kabuli_Chr06	NC_021165.1	1175620	GG	AA	AA	INTERGENIC		
SNP_26242B_1175626	Ca_Kabuli_Chr06	NC_021165.1	1175626	TT	GG	GG	INTERGENIC		
SNP_26243B_1175639	Ca_Kabuli_Chr06	NC_021165.1	1175639	TT	GG	GG	INTERGENIC		
SNP_26244B_1175646	Ca_Kabuli_Chr06	NC_021165.1	1175646	TT	CC	CC	INTERGENIC		
SNP_26245B_1175648	Ca_Kabuli_Chr06	NC_021165.1	1175648	CC	TT	TT	INTERGENIC		
SNP_26246B_1175719	Ca_Kabuli_Chr06	NC_021165.1	1175719	AA	CC	CC	INTERGENIC		
SNP_26247B_1175753	Ca_Kabuli_Chr06	NC_021165.1	1175753	AA	TT	TT	INTERGENIC		
SNP_26248B_1175754	Ca_Kabuli_Chr06	NC_021165.1	1175754	TT	AA	AA	INTERGENIC		
SNP_26249B_1175775	Ca_Kabuli_Chr06	NC_021165.1	1175775	CC	TT	TT	INTERGENIC		
SNP_26250B_1175780	Ca_Kabuli_Chr06	NC_021165.1	1175780	TT	CC	AA	INTERGENIC		
SNP_26251B_1175919	Ca_Kabuli_Chr06	NC_021165.1	1175919	TT	CC	CC	INTERGENIC		
SNP_26252B_1175922	Ca_Kabuli_Chr06	NC_021165.1	1175922	AA	GG	GG	INTERGENIC		
SNP_26253B_1176187	Ca_Kabuli_Chr06	NC_021165.1	1176187	TT	GG	GG	INTERGENIC		
SNP_26254B_1205668	Ca_Kabuli_Chr06	NC_021165.1	1205668	TT	CC	CC	DRR	101515254	tropinone reductase homolog At5g06060-like
SNP_26255B_1205669	Ca_Kabuli_Chr06	NC_021165.1	1205669	TT	CC	CC	DRR	101515254	tropinone reductase homolog At5g06060-like
SNP_26256B_1205678	Ca_Kabuli_Chr06	NC_021165.1	1205678	TT	AA	AA	DRR	101515254	tropinone reductase homolog At5g06060-like
SNP_26257B_1223491	Ca_Kabuli_Chr06	NC_021165.1	1223491	GG	TT	TT	INTERGENIC		
SNP_26259B_1304687	Ca_Kabuli_Chr06	NC_021165.1	1304687	TT	AA	AA	URR	101496981	wall-associated receptor kinase-like 15
SNP_26260B_1304691	Ca_Kabuli_Chr06	NC_021165.1	1304691	AA	CC	CC	URR	101496981	wall-associated receptor kinase-like 15
SNP_26261B_1337445	Ca_Kabuli_Chr06	NC_021165.1	1337445	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_26262B_1338910	Ca_Kabuli_Chr06	NC_021165.1	1338910	CC	AA	AA	INTERGENIC		
SNP_26263B_1339024	Ca_Kabuli_Chr06	NC_021165.1	1339024	CC	TT	TT	INTERGENIC		
SNP_26264B_1339032	Ca_Kabuli_Chr06	NC_021165.1	1339032	TT	GG	GG	INTERGENIC		
SNP_26265B_1339034	Ca_Kabuli_Chr06	NC_021165.1	1339034	AA	CC	CC	INTERGENIC		
SNP_26266B_1339083	Ca_Kabuli_Chr06	NC_021165.1	1339083	AA	GG	GG	INTERGENIC		
SNP_26267B_1339112	Ca_Kabuli_Chr06	NC_021165.1	1339112	CC	TT	TT	INTERGENIC		
SNP_26268B_1339981	Ca_Kabuli_Chr06	NC_021165.1	1339981	TT	CC	CC	INTERGENIC		
SNP_26270B_1345570	Ca_Kabuli_Chr06	NC_021165.1	1345570	CC	AA	AA	INTERGENIC		
SNP_26271B_1348922	Ca_Kabuli_Chr06	NC_021165.1	1348922	AA	GG	GG	INTERGENIC		
SNP_26272B_1348954	Ca_Kabuli_Chr06	NC_021165.1	1348954	TT	CC	CC	INTERGENIC		
SNP_26273B_1349310	Ca_Kabuli_Chr06	NC_021165.1	1349310	CC	TT	TT	INTERGENIC		
SNP_26274B_1349335	Ca_Kabuli_Chr06	NC_021165.1	1349335	TT	CC	CC	INTERGENIC		
SNP_26275B_1349389	Ca_Kabuli_Chr06	NC_021165.1	1349389	GG	CC	CC	INTERGENIC		
SNP_26276B_1349471	Ca_Kabuli_Chr06	NC_021165.1	1349471	AA	CC	CC	INTERGENIC		
SNP_26277B_1349476	Ca_Kabuli_Chr06	NC_021165.1	1349476	CC	TT	TT	INTERGENIC		
SNP_26278B_1349836	Ca_Kabuli_Chr06	NC_021165.1	1349836	CC	TT	TT	INTERGENIC		
SNP_26279B_1349926	Ca_Kabuli_Chr06	NC_021165.1	1349926	TT	CC	CC	INTERGENIC		
SNP_26280B_1350103	Ca_Kabuli_Chr06	NC_021165.1	1350103	TT	AA	AA	INTERGENIC		
SNP_26281B_1350274	Ca_Kabuli_Chr06	NC_021165.1	1350274	TT	AA	AA	INTERGENIC		
SNP_26282B_1350310	Ca_Kabuli_Chr06	NC_021165.1	1350310	AA	TT	TT	INTERGENIC		
SNP_26283B_1350790	Ca_Kabuli_Chr06	NC_021165.1	1350790	TT	GG	GG	INTERGENIC		
SNP_26284B_1350830	Ca_Kabuli_Chr06	NC_021165.1	1350830	AA	GG	GG	INTERGENIC		
SNP_26286B_1350965	Ca_Kabuli_Chr06	NC_021165.1	1350965	GG	AA	AA	INTERGENIC		
SNP_26287B_1351173	Ca_Kabuli_Chr06	NC_021165.1	1351173	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_26288B_1351254	Ca_Kabuli_Chr06	NC_021165.1	1351254	CC	GG	GG	INTERGENIC		
SNP_26289B_1351284	Ca_Kabuli_Chr06	NC_021165.1	1351284	AA	GG	GG	INTERGENIC		
SNP_26290B_1351545	Ca_Kabuli_Chr06	NC_021165.1	1351545	CC	GG	GG	INTERGENIC		
SNP_26291B_1354062	Ca_Kabuli_Chr06	NC_021165.1	1354062	GG	TT	TT	INTERGENIC		
SNP_26292B_1354127	Ca_Kabuli_Chr06	NC_021165.1	1354127	GG	AA	AA	INTERGENIC		
SNP_26294B_1354347	Ca_Kabuli_Chr06	NC_021165.1	1354347	GG	AA	AA	INTERGENIC		
SNP_26295B_1354351	Ca_Kabuli_Chr06	NC_021165.1	1354351	CC	TT	TT	INTERGENIC		
SNP_26296B_1354378	Ca_Kabuli_Chr06	NC_021165.1	1354378	AA	TT	TT	INTERGENIC		
SNP_26297B_1354424	Ca_Kabuli_Chr06	NC_021165.1	1354424	CC	TT	TT	INTERGENIC		
SNP_26298B_1360619	Ca_Kabuli_Chr06	NC_021165.1	1360619	AA	GG	GG	INTERGENIC		
SNP_26299B_1362261	Ca_Kabuli_Chr06	NC_021165.1	1362261	AA	CC	CC	INTERGENIC		
SNP_26300B_1362309	Ca_Kabuli_Chr06	NC_021165.1	1362309	TT	GG	GG	INTERGENIC		
SNP_26301B_1362354	Ca_Kabuli_Chr06	NC_021165.1	1362354	GG	AA	AA	INTERGENIC		
SNP_26302B_1369758	Ca_Kabuli_Chr06	NC_021165.1	1369758	TT	CC	CC	INTERGENIC		
SNP_26303B_1377886	Ca_Kabuli_Chr06	NC_021165.1	1377886	CC	TT	TT	URR	101498187	uncharacterized LOC101498187
SNP_26304B_1378156	Ca_Kabuli_Chr06	NC_021165.1	1378156	GG	AA	AA	URR	101498187	uncharacterized LOC101498187
SNP_26305B_1433416	Ca_Kabuli_Chr06	NC_021165.1	1433416	AA	CC	CC	INTERGENIC		
SNP_26306B_1433419	Ca_Kabuli_Chr06	NC_021165.1	1433419	CC	GG	GG	INTERGENIC		
SNP_26307B_1491398	Ca_Kabuli_Chr06	NC_021165.1	1491398	CC	TT	TT	INTRON	101500456	folylpolyglutamate synthase
SNP_26308B_1491403	Ca_Kabuli_Chr06	NC_021165.1	1491403	AA	GG	GG	INTRON	101500456	folylpolyglutamate synthase
SNP_26309B_1491472	Ca_Kabuli_Chr06	NC_021165.1	1491472	AA	CC	CC	INTRON	101500456	folylpolyglutamate synthase
SNP_26310B_1491597	Ca_Kabuli_Chr06	NC_021165.1	1491597	TT	CC	CC	NON_SYNONYMOUS_CODING	101500456	folylpolyglutamate synthase
SNP_26311B_1491673	Ca_Kabuli_Chr06	NC_021165.1	1491673	GG	CC	CC	INTRON	101500456	folylpolyglutamate synthase
SNP_26312B_1491729	Ca_Kabuli_Chr06	NC_021165.1	1491729	GG	TT	TT	INTRON	101500456	folylpolyglutamate synthase

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_26313B_1491748	Ca_Kabuli_Chr06	NC_021165.1	1491748	CC	TT	TT	INTRON	101500456	folylpolyglutamate synthase
SNP_26314B_1491780	Ca_Kabuli_Chr06	NC_021165.1	1491780	AA	GG	GG	INTRON	101500456	folylpolyglutamate synthase
SNP_26315B_1491810	Ca_Kabuli_Chr06	NC_021165.1	1491810	CC	TT	TT	INTRON	101500456	folylpolyglutamate synthase
SNP_26316B_1491856	Ca_Kabuli_Chr06	NC_021165.1	1491856	GG	AA	AA	INTRON	101500456	folylpolyglutamate synthase
SNP_26317B_1491865	Ca_Kabuli_Chr06	NC_021165.1	1491865	GG	AA	AA	INTRON	101500456	folylpolyglutamate synthase
SNP_26318B_1491885	Ca_Kabuli_Chr06	NC_021165.1	1491885	AA	TT	TT	INTRON	101500456	folylpolyglutamate synthase
SNP_26320B_1491957	Ca_Kabuli_Chr06	NC_021165.1	1491957	CC	TT	TT	INTRON	101500456	folylpolyglutamate synthase
SNP_26321B_1491999	Ca_Kabuli_Chr06	NC_021165.1	1491999	CC	AA	AA	NON_SYNONYMOUS_CODING	101500456	folylpolyglutamate synthase
SNP_26322B_1492011	Ca_Kabuli_Chr06	NC_021165.1	1492011	GG	AA	AA	NON_SYNONYMOUS_CODING	101500456	folylpolyglutamate synthase
SNP_26323B_1492061	Ca_Kabuli_Chr06	NC_021165.1	1492061	GG	AA	AA	INTRON	101500456	folylpolyglutamate synthase
SNP_26324B_1492064	Ca_Kabuli_Chr06	NC_021165.1	1492064	CC	AA	AA	INTRON	101500456	folylpolyglutamate synthase
SNP_26325B_1492142	Ca_Kabuli_Chr06	NC_021165.1	1492142	GG	TT	TT	INTRON	101500456	folylpolyglutamate synthase
SNP_26326B_1492144	Ca_Kabuli_Chr06	NC_021165.1	1492144	TT	AA	AA	INTRON	101500456	folylpolyglutamate synthase
SNP_26327B_1492171	Ca_Kabuli_Chr06	NC_021165.1	1492171	GG	AA	AA	INTRON	101500456	folylpolyglutamate synthase
SNP_26328B_1492246	Ca_Kabuli_Chr06	NC_021165.1	1492246	AA	GG	GG	INTRON	101500456	folylpolyglutamate synthase
SNP_26329B_1492272	Ca_Kabuli_Chr06	NC_021165.1	1492272	TT	CC	CC	INTRON	101500456	folylpolyglutamate synthase
SNP_26330B_1492280	Ca_Kabuli_Chr06	NC_021165.1	1492280	TT	AA	AA	INTRON	101500456	folylpolyglutamate synthase
SNP_26331B_1492289	Ca_Kabuli_Chr06	NC_021165.1	1492289	AA	GG	GG	INTRON	101500456	folylpolyglutamate synthase
SNP_26332B_1492310	Ca_Kabuli_Chr06	NC_021165.1	1492310	CC	TT	TT	INTRON	101500456	folylpolyglutamate synthase
SNP_26333B_1492341	Ca_Kabuli_Chr06	NC_021165.1	1492341	CC	GG	GG	INTRON	101500456	folylpolyglutamate synthase
SNP_26334B_1492388	Ca_Kabuli_Chr06	NC_021165.1	1492388	CC	TT	TT	INTRON	101500456	folylpolyglutamate synthase
SNP_26335B_1492423	Ca_Kabuli_Chr06	NC_021165.1	1492423	GG	CC	CC	INTRON	101500456	folylpolyglutamate synthase
SNP_26336B_1492432	Ca_Kabuli_Chr06	NC_021165.1	1492432	CC	AA	AA	INTRON	101500456	folylpolyglutamate synthase
SNP_26337B_1492443	Ca_Kabuli_Chr06	NC_021165.1	1492443	GG	TT	TT	INTRON	101500456	folylpolyglutamate synthase

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_26338B_1492545	Ca_Kabuli_Chr06	NC_021165.1	1492545	TT	CC	CC	INTRON	101500456	folylpolyglutamate synthase
SNP_26339B_1492620	Ca_Kabuli_Chr06	NC_021165.1	1492620	AA	CC	CC	SYNONYMOUS_CODING	101500456	folylpolyglutamate synthase
SNP_26340B_1492681	Ca_Kabuli_Chr06	NC_021165.1	1492681	AA	GG	GG	INTRON	101500456	folylpolyglutamate synthase
SNP_26341B_1492682	Ca_Kabuli_Chr06	NC_021165.1	1492682	CC	TT	TT	INTRON	101500456	folylpolyglutamate synthase
SNP_26342B_1492721	Ca_Kabuli_Chr06	NC_021165.1	1492721	AA	TT	TT	INTRON	101500456	folylpolyglutamate synthase
SNP_26344B_1492822	Ca_Kabuli_Chr06	NC_021165.1	1492822	GG	TT	TT	INTRON	101500456	folylpolyglutamate synthase
SNP_26345B_1505916	Ca_Kabuli_Chr06	NC_021165.1	1505916	AA	TT	TT	INTERGENIC		
SNP_26346B_1506164	Ca_Kabuli_Chr06	NC_021165.1	1506164	AA	TT	TT	INTERGENIC		
SNP_26347B_1516843	Ca_Kabuli_Chr06	NC_021165.1	1516843	AA	GG	GG	NON_SYNONYMOUS_CODING	101501708	uncharacterized LOC101501708
SNP_26348B_1516847	Ca_Kabuli_Chr06	NC_021165.1	1516847	TT	GG	GG	NON_SYNONYMOUS_CODING	101501708	uncharacterized LOC101501708
SNP_26349B_1516865	Ca_Kabuli_Chr06	NC_021165.1	1516865	TT	CC	CC	NON_SYNONYMOUS_CODING	101501708	uncharacterized LOC101501708
SNP_26350B_1516869	Ca_Kabuli_Chr06	NC_021165.1	1516869	TT	CC	CC	SYNONYMOUS_CODING	101501708	uncharacterized LOC101501708
SNP_26351B_1516879	Ca_Kabuli_Chr06	NC_021165.1	1516879	TT	AA	AA	NON_SYNONYMOUS_CODING	101501708	uncharacterized LOC101501708
SNP_26352B_1540094	Ca_Kabuli_Chr06	NC_021165.1	1540094	TT	CC	CC	INTERGENIC		
SNP_26353B_1540110	Ca_Kabuli_Chr06	NC_021165.1	1540110	AA	GG	GG	INTERGENIC		
SNP_26354B_1540170	Ca_Kabuli_Chr06	NC_021165.1	1540170	AA	TT	TT	INTERGENIC		
SNP_26355B_1540298	Ca_Kabuli_Chr06	NC_021165.1	1540298	CC	GG	GG	INTERGENIC		
SNP_26356B_1540893	Ca_Kabuli_Chr06	NC_021165.1	1540893	CC	TT	TT	INTERGENIC		
SNP_26357B_1541813	Ca_Kabuli_Chr06	NC_021165.1	1541813	AA	GG	GG	INTERGENIC		
SNP_26358B_1542030	Ca_Kabuli_Chr06	NC_021165.1	1542030	AA	CC	CC	INTERGENIC		
SNP_26359B_1542219	Ca_Kabuli_Chr06	NC_021165.1	1542219	TT	AA	AA	INTERGENIC		
SNP_26360B_1542255	Ca_Kabuli_Chr06	NC_021165.1	1542255	AA	CC	CC	INTERGENIC		
SNP_26361B_1542284	Ca_Kabuli_Chr06	NC_021165.1	1542284	CC	TT	TT	INTERGENIC		
SNP_26362B_1542375	Ca_Kabuli_Chr06	NC_021165.1	1542375	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_26363B_1542396	Ca_Kabuli_Chr06	NC_021165.1	1542396	TT	AA	AA	INTERGENIC		
SNP_26364B_1542456	Ca_Kabuli_Chr06	NC_021165.1	1542456	TT	CC	CC	INTERGENIC		
SNP_26365B_1542665	Ca_Kabuli_Chr06	NC_021165.1	1542665	TT	AA	AA	INTERGENIC		
SNP_26366B_1543767	Ca_Kabuli_Chr06	NC_021165.1	1543767	GG	AA	AA	INTERGENIC		
SNP_26367B_1543768	Ca_Kabuli_Chr06	NC_021165.1	1543768	AA	GG	GG	INTERGENIC		
SNP_26368B_1543785	Ca_Kabuli_Chr06	NC_021165.1	1543785	GG	AA	AA	INTERGENIC		
SNP_26369B_1543802	Ca_Kabuli_Chr06	NC_021165.1	1543802	GG	AA	AA	INTERGENIC		
SNP_26370B_1543865	Ca_Kabuli_Chr06	NC_021165.1	1543865	CC	TT	TT	INTERGENIC		
SNP_26371B_1543943	Ca_Kabuli_Chr06	NC_021165.1	1543943	TT	AA	AA	INTERGENIC		
SNP_26372B_1544021	Ca_Kabuli_Chr06	NC_021165.1	1544021	TT	GG	GG	INTERGENIC		
SNP_26373B_1544036	Ca_Kabuli_Chr06	NC_021165.1	1544036	AA	TT	TT	INTERGENIC		
SNP_26374B_1544281	Ca_Kabuli_Chr06	NC_021165.1	1544281	AA	GG	GG	INTERGENIC		
SNP_26375B_1544283	Ca_Kabuli_Chr06	NC_021165.1	1544283	AA	TT	TT	INTERGENIC		
SNP_26376B_1546034	Ca_Kabuli_Chr06	NC_021165.1	1546034	GG	AA	AA	INTERGENIC		
SNP_26377B_1546108	Ca_Kabuli_Chr06	NC_021165.1	1546108	AA	TT	TT	INTERGENIC		
SNP_26378B_1546563	Ca_Kabuli_Chr06	NC_021165.1	1546563	CC	TT	TT	INTERGENIC		
SNP_26379B_1547355	Ca_Kabuli_Chr06	NC_021165.1	1547355	AA	GG	GG	INTERGENIC		
SNP_26380B_1547764	Ca_Kabuli_Chr06	NC_021165.1	1547764	TT	CC	CC	INTERGENIC		
SNP_26381B_1547784	Ca_Kabuli_Chr06	NC_021165.1	1547784	CC	TT	TT	INTERGENIC		
SNP_26382B_1548667	Ca_Kabuli_Chr06	NC_021165.1	1548667	CC	TT	TT	INTERGENIC		
SNP_26383B_1548721	Ca_Kabuli_Chr06	NC_021165.1	1548721	AA	GG	GG	INTERGENIC		
SNP_26384B_1548907	Ca_Kabuli_Chr06	NC_021165.1	1548907	GG	TT	TT	INTERGENIC		
SNP_26385B_1549266	Ca_Kabuli_Chr06	NC_021165.1	1549266	GG	AA	AA	INTERGENIC		
SNP_26386B_1556407	Ca_Kabuli_Chr06	NC_021165.1	1556407	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_26387B_1556427	Ca_Kabuli_Chr06	NC_021165.1	1556427	AA	CC	CC	INTERGENIC		
SNP_26388B_1556434	Ca_Kabuli_Chr06	NC_021165.1	1556434	CC	TT	TT	INTERGENIC		
SNP_26389B_1556538	Ca_Kabuli_Chr06	NC_021165.1	1556538	AA	GG	GG	INTERGENIC		
SNP_26390B_1556565	Ca_Kabuli_Chr06	NC_021165.1	1556565	GG	AA	AA	INTERGENIC		
SNP_26391B_1556618	Ca_Kabuli_Chr06	NC_021165.1	1556618	TT	CC	CC	INTERGENIC		
SNP_26392B_1556629	Ca_Kabuli_Chr06	NC_021165.1	1556629	CC	AA	AA	INTERGENIC		
SNP_26393B_1556677	Ca_Kabuli_Chr06	NC_021165.1	1556677	TT	CC	CC	INTERGENIC		
SNP_26395B_1556885	Ca_Kabuli_Chr06	NC_021165.1	1556885	AA	TT	TT	INTERGENIC		
SNP_26396B_1556938	Ca_Kabuli_Chr06	NC_021165.1	1556938	CC	TT	TT	INTERGENIC		
SNP_26397B_1556939	Ca_Kabuli_Chr06	NC_021165.1	1556939	TT	AA	AA	INTERGENIC		
SNP_26398B_1556972	Ca_Kabuli_Chr06	NC_021165.1	1556972	AA	GG	GG	INTERGENIC		
SNP_26399B_1557078	Ca_Kabuli_Chr06	NC_021165.1	1557078	GG	AA	AA	INTERGENIC		
SNP_26400B_1557141	Ca_Kabuli_Chr06	NC_021165.1	1557141	AA	GG	GG	INTERGENIC		
SNP_26401B_1557358	Ca_Kabuli_Chr06	NC_021165.1	1557358	GG	TT	TT	INTERGENIC		
SNP_26402B_1557513	Ca_Kabuli_Chr06	NC_021165.1	1557513	CC	TT	TT	INTERGENIC		
SNP_26403B_1557559	Ca_Kabuli_Chr06	NC_021165.1	1557559	TT	GG	GG	INTERGENIC		
SNP_26404B_1557588	Ca_Kabuli_Chr06	NC_021165.1	1557588	AA	GG	GG	INTERGENIC		
SNP_26405B_1557599	Ca_Kabuli_Chr06	NC_021165.1	1557599	CC	TT	TT	INTERGENIC		
SNP_26406B_1557610	Ca_Kabuli_Chr06	NC_021165.1	1557610	TT	GG	GG	INTERGENIC		
SNP_26407B_1557611	Ca_Kabuli_Chr06	NC_021165.1	1557611	CC	TT	TT	INTERGENIC		
SNP_26408B_1557632	Ca_Kabuli_Chr06	NC_021165.1	1557632	AA	GG	GG	INTERGENIC		
SNP_26409B_1557637	Ca_Kabuli_Chr06	NC_021165.1	1557637	GG	AA	AA	INTERGENIC		
SNP_26410B_1559161	Ca_Kabuli_Chr06	NC_021165.1	1559161	TT	CC	CC	INTERGENIC		
SNP_26411B_1559267	Ca_Kabuli_Chr06	NC_021165.1	1559267	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_26413B_1559396	Ca_Kabuli_Chr06	NC_021165.1	1559396	GG	AA	AA	INTERGENIC		
SNP_26414B_1559398	Ca_Kabuli_Chr06	NC_021165.1	1559398	AA	TT	TT	INTERGENIC		
SNP_26415B_1559485	Ca_Kabuli_Chr06	NC_021165.1	1559485	TT	AA	AA	INTERGENIC		
SNP_26416B_1559515	Ca_Kabuli_Chr06	NC_021165.1	1559515	CC	TT	TT	INTERGENIC		
SNP_26417B_1559555	Ca_Kabuli_Chr06	NC_021165.1	1559555	GG	AA	AA	INTERGENIC		
SNP_26419B_1559632	Ca_Kabuli_Chr06	NC_021165.1	1559632	AA	CC	CC	INTERGENIC		
SNP_26420B_1559664	Ca_Kabuli_Chr06	NC_021165.1	1559664	AA	TT	TT	INTERGENIC		
SNP_26421B_1559677	Ca_Kabuli_Chr06	NC_021165.1	1559677	TT	CC	CC	INTERGENIC		
SNP_26422B_1559836	Ca_Kabuli_Chr06	NC_021165.1	1559836	GG	AA	AA	INTERGENIC		
SNP_26423B_1559924	Ca_Kabuli_Chr06	NC_021165.1	1559924	GG	TT	TT	INTERGENIC		
SNP_26425B_1561424	Ca_Kabuli_Chr06	NC_021165.1	1561424	CC	TT	TT	INTERGENIC		
SNP_26426B_1600010	Ca_Kabuli_Chr06	NC_021165.1	1600010	GG	TT	TT	INTERGENIC		
SNP_26427B_1622652	Ca_Kabuli_Chr06	NC_021165.1	1622652	AA	TT	TT	INTERGENIC		
SNP_26428B_1636974	Ca_Kabuli_Chr06	NC_021165.1	1636974	AA	GG	GG	SYNONYMOUS_CODING	101502673	uncharacterized LOC101502673
SNP_26429B_1662479	Ca_Kabuli_Chr06	NC_021165.1	1662479	AA	GG	GG	INTERGENIC		
SNP_26430B_1672973	Ca_Kabuli_Chr06	NC_021165.1	1672973	CC	TT	TT	INTERGENIC		
SNP_26431B_1682018	Ca_Kabuli_Chr06	NC_021165.1	1682018	GG	TT	TT	URR	101504080	uncharacterized LOC101504080
SNP_26432B_1682060	Ca_Kabuli_Chr06	NC_021165.1	1682060	CC	TT	TT	URR	101504080	uncharacterized LOC101504080
SNP_26433B_1682076	Ca_Kabuli_Chr06	NC_021165.1	1682076	CC	TT	TT	URR	101504080	uncharacterized LOC101504080
SNP_26434B_1682101	Ca_Kabuli_Chr06	NC_021165.1	1682101	TT	CC	CC	URR	101504080	uncharacterized LOC101504080
SNP_26435B_1682105	Ca_Kabuli_Chr06	NC_021165.1	1682105	CC	TT	TT	URR	101504080	uncharacterized LOC101504080
SNP_26436B_1682193	Ca_Kabuli_Chr06	NC_021165.1	1682193	GG	AA	AA	URR	101504080	uncharacterized LOC101504080
SNP_26437B_1682198	Ca_Kabuli_Chr06	NC_021165.1	1682198	GG	AA	AA	URR	101504080	uncharacterized LOC101504080
SNP_26438B_1682219	Ca_Kabuli_Chr06	NC_021165.1	1682219	TT	CC	CC	URR	101504080	uncharacterized LOC101504080

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_26439B_1682227	Ca_Kabuli_Chr06	NC_021165.1	1682227	AA	CC	CC	URR	101504080	uncharacterized LOC101504080
SNP_26440B_1682289	Ca_Kabuli_Chr06	NC_021165.1	1682289	GG	AA	AA	URR	101504080	uncharacterized LOC101504080
SNP_26441B_1682390	Ca_Kabuli_Chr06	NC_021165.1	1682390	GG	TT	TT	URR	101504080	uncharacterized LOC101504080
SNP_26442B_1682439	Ca_Kabuli_Chr06	NC_021165.1	1682439	GG	AA	AA	URR	101504080	uncharacterized LOC101504080
SNP_26443B_1682491	Ca_Kabuli_Chr06	NC_021165.1	1682491	AA	CC	CC	URR	101504080	uncharacterized LOC101504080
SNP_26444B_1682576	Ca_Kabuli_Chr06	NC_021165.1	1682576	AA	GG	GG	URR	101504080	uncharacterized LOC101504080
SNP_26445B_1682599	Ca_Kabuli_Chr06	NC_021165.1	1682599	TT	AA	AA	URR	101504080	uncharacterized LOC101504080
SNP_26446B_1682602	Ca_Kabuli_Chr06	NC_021165.1	1682602	CC	TT	TT	URR	101504080	uncharacterized LOC101504080
SNP_26447B_1682622	Ca_Kabuli_Chr06	NC_021165.1	1682622	GG	AA	AA	URR	101504080	uncharacterized LOC101504080
SNP_26448B_1682693	Ca_Kabuli_Chr06	NC_021165.1	1682693	CC	TT	TT	DRR	101504387	uncharacterized LOC101504387
SNP_26450B_1682756	Ca_Kabuli_Chr06	NC_021165.1	1682756	AA	GG	GG	DRR	101504387	uncharacterized LOC101504387
SNP_26451B_1682769	Ca_Kabuli_Chr06	NC_021165.1	1682769	CC	TT	TT	DRR	101504387	uncharacterized LOC101504387
SNP_26452B_1682790	Ca_Kabuli_Chr06	NC_021165.1	1682790	AA	GG	GG	DRR	101504387	uncharacterized LOC101504387
SNP_26453B_1682807	Ca_Kabuli_Chr06	NC_021165.1	1682807	TT	CC	CC	DRR	101504387	uncharacterized LOC101504387
SNP_26454B_1682836	Ca_Kabuli_Chr06	NC_021165.1	1682836	TT	CC	CC	DRR	101504387	uncharacterized LOC101504387
SNP_26455B_1682862	Ca_Kabuli_Chr06	NC_021165.1	1682862	CC	TT	TT	DRR	101504387	uncharacterized LOC101504387
SNP_26456B_1682920	Ca_Kabuli_Chr06	NC_021165.1	1682920	TT	CC	CC	DRR	101504387	uncharacterized LOC101504387
SNP_26457B_1682965	Ca_Kabuli_Chr06	NC_021165.1	1682965	GG	AA	AA	DRR	101504387	uncharacterized LOC101504387
SNP_26458B_1682967	Ca_Kabuli_Chr06	NC_021165.1	1682967	TT	AA	AA	DRR	101504387	uncharacterized LOC101504387
SNP_26459B_1682968	Ca_Kabuli_Chr06	NC_021165.1	1682968	AA	TT	TT	DRR	101504387	uncharacterized LOC101504387
SNP_26460B_1683003	Ca_Kabuli_Chr06	NC_021165.1	1683003	CC	TT	TT	DRR	101504387	uncharacterized LOC101504387
SNP_26461B_1683033	Ca_Kabuli_Chr06	NC_021165.1	1683033	TT	CC	CC	DRR	101504387	uncharacterized LOC101504387
SNP_26462B_1683045	Ca_Kabuli_Chr06	NC_021165.1	1683045	AA	GG	GG	DRR	101504387	uncharacterized LOC101504387
SNP_26463B_1683046	Ca_Kabuli_Chr06	NC_021165.1	1683046	AA	CC	CC	DRR	101504387	uncharacterized LOC101504387

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_26464B_1683083	Ca_Kabuli_Chr06	NC_021165.1	1683083	GG	AA	AA	DRR	101504387	uncharacterized LOC101504387
SNP_26465B_1683118	Ca_Kabuli_Chr06	NC_021165.1	1683118	TT	CC	CC	DRR	101504387	uncharacterized LOC101504387
SNP_26466B_1683190	Ca_Kabuli_Chr06	NC_021165.1	1683190	CC	AA	AA	DRR	101504387	uncharacterized LOC101504387
SNP_26467B_1683221	Ca_Kabuli_Chr06	NC_021165.1	1683221	TT	CC	CC	DRR	101504387	uncharacterized LOC101504387
SNP_26470B_1683348	Ca_Kabuli_Chr06	NC_021165.1	1683348	GG	TT	TT	DRR	101504387	uncharacterized LOC101504387
SNP_26471B_1683365	Ca_Kabuli_Chr06	NC_021165.1	1683365	TT	CC	CC	DRR	101504387	uncharacterized LOC101504387
SNP_26472B_1683401	Ca_Kabuli_Chr06	NC_021165.1	1683401	CC	TT	TT	DRR	101504387	uncharacterized LOC101504387
SNP_26473B_1683452	Ca_Kabuli_Chr06	NC_021165.1	1683452	CC	TT	TT	DRR	101504387	uncharacterized LOC101504387
SNP_26475B_1683528	Ca_Kabuli_Chr06	NC_021165.1	1683528	AA	TT	TT	DRR	101504387	uncharacterized LOC101504387
SNP_26476B_1683531	Ca_Kabuli_Chr06	NC_021165.1	1683531	GG	AA	AA	DRR	101504387	uncharacterized LOC101504387
SNP_26477B_1683617	Ca_Kabuli_Chr06	NC_021165.1	1683617	GG	AA	AA	DRR	101504387	uncharacterized LOC101504387
SNP_26478B_1683653	Ca_Kabuli_Chr06	NC_021165.1	1683653	AA	GG	GG	DRR	101410567	transfer RNA proline (anticodon AGG)
SNP_26479B_1697930	Ca_Kabuli_Chr06	NC_021165.1	1697930	TT	CC	CC	INTERGENIC		
SNP_26480B_1722858	Ca_Kabuli_Chr06	NC_021165.1	1722858	GG	AA	AA	INTERGENIC		
SNP_26481B_1782073	Ca_Kabuli_Chr06	NC_021165.1	1782073	CC	TT	TT	DRR	101505142	U-box domain-containing protein 17-like
SNP_26482B_1800765	Ca_Kabuli_Chr06	NC_021165.1	1800765	GG	AA	AA	SYNONYMOUS_CODING	101507517	probable sugar phosphate/phosphate translocator At3g11320
SNP_26483B_1802147	Ca_Kabuli_Chr06	NC_021165.1	1802147	TT	AA	AA	INTRON	101507517	probable sugar phosphate/phosphate translocator At3g11320
SNP_26484B_1803222	Ca_Kabuli_Chr06	NC_021165.1	1803222	CC	TT	TT	INTERGENIC		
SNP_26485B_1803248	Ca_Kabuli_Chr06	NC_021165.1	1803248	TT	CC	CC	INTERGENIC		
SNP_26486B_1803704	Ca_Kabuli_Chr06	NC_021165.1	1803704	AA	GG	GG	INTERGENIC		
SNP_26487B_1808567	Ca_Kabuli_Chr06	NC_021165.1	1808567	CC	TT	TT	URR	101507517	probable sugar phosphate/phosphate translocator At3g11320
SNP_26488B_1808610	Ca_Kabuli_Chr06	NC_021165.1	1808610	AA	GG	GG	URR	101507517	probable sugar phosphate/phosphate translocator At3g11320
SNP_26489B_1809940	Ca_Kabuli_Chr06	NC_021165.1	1809940	TT	CC	CC	INTERGENIC		
SNP_26490B_1813984	Ca_Kabuli_Chr06	NC_021165.1	1813984	TT	CC	CC	URR	101410580	transfer RNA tyrosine (anticodon GUA)

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_26491B_1814155	Ca_Kabuli_Chr06	NC_021165.1	1814155	AA	TT	TT	INTERGENIC		
SNP_26492B_1814251	Ca_Kabuli_Chr06	NC_021165.1	1814251	GG	AA	AA	INTERGENIC		
SNP_26493B_1814273	Ca_Kabuli_Chr06	NC_021165.1	1814273	AA	CC	CC	INTERGENIC		
SNP_26494B_1814947	Ca_Kabuli_Chr06	NC_021165.1	1814947	GG	AA	AA	DRR	101507830	LIM domain-containing protein WLIM2b-like
SNP_26495B_1820614	Ca_Kabuli_Chr06	NC_021165.1	1820614	AA	CC	CC	DRR	101508884	uncharacterized protein At2g39920
SNP_26496B_1824006	Ca_Kabuli_Chr06	NC_021165.1	1824006	GG	AA	AA	URR	101508884	uncharacterized protein At2g39920
SNP_26497B_1824026	Ca_Kabuli_Chr06	NC_021165.1	1824026	TT	GG	GG	URR	101508884	uncharacterized protein At2g39920
SNP_26498B_1824365	Ca_Kabuli_Chr06	NC_021165.1	1824365	CC	TT	TT	URR	101508884	uncharacterized protein At2g39920
SNP_26499B_1825126	Ca_Kabuli_Chr06	NC_021165.1	1825126	TT	CC	CC	URR	101508884	uncharacterized protein At2g39920
SNP_26500B_1825140	Ca_Kabuli_Chr06	NC_021165.1	1825140	TT	CC	CC	URR	101508884	uncharacterized protein At2g39920
SNP_26501B_1825156	Ca_Kabuli_Chr06	NC_021165.1	1825156	AA	GG	GG	URR	101508884	uncharacterized protein At2g39920
SNP_26502B_1825166	Ca_Kabuli_Chr06	NC_021165.1	1825166	AA	GG	GG	URR	101508884	uncharacterized protein At2g39920
SNP_26503B_1825345	Ca_Kabuli_Chr06	NC_021165.1	1825345	CC	GG	GG	URR	101508884	uncharacterized protein At2g39920
SNP_26504B_1825368	Ca_Kabuli_Chr06	NC_021165.1	1825368	GG	AA	AA	URR	101508884	uncharacterized protein At2g39920
SNP_26506B_1834335	Ca_Kabuli_Chr06	NC_021165.1	1834335	AA	TT	TT	INTERGENIC		
SNP_26507B_1842924	Ca_Kabuli_Chr06	NC_021165.1	1842924	GG	AA	AA	INTERGENIC		
SNP_26508B_1846506	Ca_Kabuli_Chr06	NC_021165.1	1846506	AA	GG	GG	DRR	101510282	coronatine-insensitive protein 1
SNP_26509B_1849780	Ca_Kabuli_Chr06	NC_021165.1	1849780	CC	TT	TT	INTRON	101510282	coronatine-insensitive protein 1
SNP_26510B_1860720	Ca_Kabuli_Chr06	NC_021165.1	1860720	CC	AA	AA	INTERGENIC		
SNP_26515B_1976791	Ca_Kabuli_Chr06	NC_021165.1	1976791	CC	AA	AA	INTRON	101512424	rhodanese-like domain-containing protein 8, chloroplastic
SNP_26516B_1976795	Ca_Kabuli_Chr06	NC_021165.1	1976795	AA	TT	TT	INTRON	101512424	rhodanese-like domain-containing protein 8, chloroplastic
SNP_26517B_1976815	Ca_Kabuli_Chr06	NC_021165.1	1976815	GG	TT	TT	INTRON	101512424	rhodanese-like domain-containing protein 8, chloroplastic
SNP_26518B_1976884	Ca_Kabuli_Chr06	NC_021165.1	1976884	GG	AA	AA	INTRON	101512424	rhodanese-like domain-containing protein 8, chloroplastic
SNP_26519B_1976911	Ca_Kabuli_Chr06	NC_021165.1	1976911	AA	GG	GG	INTRON	101512424	rhodanese-like domain-containing protein 8, chloroplastic

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_26520B_1977015	Ca_Kabuli_Chr06	NC_021165.1	1977015	AA	TT	TT	INTRON	101512424	rhodanese-like domain-containing protein 8, chloroplastic
SNP_26521B_1977026	Ca_Kabuli_Chr06	NC_021165.1	1977026	TT	AA	AA	INTRON	101512424	rhodanese-like domain-containing protein 8, chloroplastic
SNP_26522B_1977439	Ca_Kabuli_Chr06	NC_021165.1	1977439	TT	GG	GG	INTRON	101512424	rhodanese-like domain-containing protein 8, chloroplastic
SNP_26523B_1977482	Ca_Kabuli_Chr06	NC_021165.1	1977482	TT	CC	CC	INTRON	101512424	rhodanese-like domain-containing protein 8, chloroplastic
SNP_26524B_1977604	Ca_Kabuli_Chr06	NC_021165.1	1977604	TT	CC	CC	INTRON	101512424	rhodanese-like domain-containing protein 8, chloroplastic
SNP_26525B_1977620	Ca_Kabuli_Chr06	NC_021165.1	1977620	GG	AA	AA	INTRON	101512424	rhodanese-like domain-containing protein 8, chloroplastic
SNP_26527B_1978383	Ca_Kabuli_Chr06	NC_021165.1	1978383	TT	CC	CC	INTRON	101512424	rhodanese-like domain-containing protein 8, chloroplastic
SNP_26528B_1978421	Ca_Kabuli_Chr06	NC_021165.1	1978421	TT	CC	CC	INTRON	101512424	rhodanese-like domain-containing protein 8, chloroplastic
SNP_26529B_1978444	Ca_Kabuli_Chr06	NC_021165.1	1978444	TT	CC	CC	INTRON	101512424	rhodanese-like domain-containing protein 8, chloroplastic
SNP_26530B_1978531	Ca_Kabuli_Chr06	NC_021165.1	1978531	CC	AA	AA	INTRON	101512424	rhodanese-like domain-containing protein 8, chloroplastic
SNP_26531B_1978557	Ca_Kabuli_Chr06	NC_021165.1	1978557	AA	CC	CC	INTRON	101512424	rhodanese-like domain-containing protein 8, chloroplastic
SNP_26532B_1978629	Ca_Kabuli_Chr06	NC_021165.1	1978629	AA	GG	GG	INTRON	101512424	rhodanese-like domain-containing protein 8, chloroplastic
SNP_26533B_1978642	Ca_Kabuli_Chr06	NC_021165.1	1978642	TT	CC	CC	INTRON	101512424	rhodanese-like domain-containing protein 8, chloroplastic
SNP_26534B_1978750	Ca_Kabuli_Chr06	NC_021165.1	1978750	TT	CC	CC	INTRON	101512424	rhodanese-like domain-containing protein 8, chloroplastic
SNP_26535B_1978792	Ca_Kabuli_Chr06	NC_021165.1	1978792	CC	GG	GG	INTRON	101512424	rhodanese-like domain-containing protein 8, chloroplastic
SNP_26536B_1979293	Ca_Kabuli_Chr06	NC_021165.1	1979293	TT	CC	CC	INTRON	101512424	rhodanese-like domain-containing protein 8, chloroplastic
SNP_26537B_1979294	Ca_Kabuli_Chr06	NC_021165.1	1979294	CC	AA	AA	INTRON	101512424	rhodanese-like domain-containing protein 8, chloroplastic
SNP_26538B_1979296	Ca_Kabuli_Chr06	NC_021165.1	1979296	CC	TT	TT	INTRON	101512424	rhodanese-like domain-containing protein 8, chloroplastic
SNP_26539B_1979297	Ca_Kabuli_Chr06	NC_021165.1	1979297	CC	GG	GG	INTRON	101512424	rhodanese-like domain-containing protein 8, chloroplastic
SNP_26540B_2031623	Ca_Kabuli_Chr06	NC_021165.1	2031623	AA	TT	TT	DRR	101513940	uncharacterized LOC101513940
SNP_26543B_2153602	Ca_Kabuli_Chr06	NC_021165.1	2153602	AA	GG	GG	URR	101492666	uncharacterized LOC101492666
SNP_26544B_2233946	Ca_Kabuli_Chr06	NC_021165.1	2233946	GG	AA	AA	SYNONYMOUS_CODING	101498420	WUSCHEL-related homeobox 1
SNP_26545B_2241235	Ca_Kabuli_Chr06	NC_021165.1	2241235	GG	CC	CC	INTERGENIC		
SNP_26546B_2272251	Ca_Kabuli_Chr06	NC_021165.1	2272251	AA	GG	GG	INTRON	101500012	ras-related protein RABA6a

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_26547B_2272923	Ca_Kabuli_Chr06	NC_021165.1	2272923	GG	AA	AA	INTRON	101500012	ras-related protein RABA6a
SNP_26548B_2329718	Ca_Kabuli_Chr06	NC_021165.1	2329718	AA	GG	GG	URR	101502368	pentatricopeptide repeat-containing protein At4g02750
SNP_26549B_2374498	Ca_Kabuli_Chr06	NC_021165.1	2374498	AA	GG	GG	INTERGENIC		
SNP_26550B_2374503	Ca_Kabuli_Chr06	NC_021165.1	2374503	TT	CC	CC	INTERGENIC		
SNP_26551B_2378236	Ca_Kabuli_Chr06	NC_021165.1	2378236	TT	AA	AA	INTRON	101505459	guanine nucleotide-binding protein subunit beta-like protein
SNP_26553B_2435749	Ca_Kabuli_Chr06	NC_021165.1	2435749	GG	AA	AA	INTERGENIC		
SNP_26554B_2436073	Ca_Kabuli_Chr06	NC_021165.1	2436073	AA	TT	TT	INTERGENIC		
SNP_26556B_2514841	Ca_Kabuli_Chr06	NC_021165.1	2514841	GG	TT	TT	URR	101509200	nuclear poly(A) polymerase 1-like
SNP_26557B_2518774	Ca_Kabuli_Chr06	NC_021165.1	2518774	TT	AA	AA	URR	101509529	uncharacterized LOC101509529
SNP_26559B_2518816	Ca_Kabuli_Chr06	NC_021165.1	2518816	GG	TT	TT	URR	101509529	uncharacterized LOC101509529
SNP_26560B_2521876	Ca_Kabuli_Chr06	NC_021165.1	2521876	GG	TT	TT	INTERGENIC		
SNP_26561B_2523275	Ca_Kabuli_Chr06	NC_021165.1	2523275	AA	TT	TT	URR	101509852	uncharacterized LOC101509852
SNP_26562B_2523302	Ca_Kabuli_Chr06	NC_021165.1	2523302	CC	GG	GG	URR	101509852	uncharacterized LOC101509852
SNP_26564B_2523493	Ca_Kabuli_Chr06	NC_021165.1	2523493	TT	AA	AA	URR	101509852	uncharacterized LOC101509852
SNP_26565B_2523495	Ca_Kabuli_Chr06	NC_021165.1	2523495	CC	TT	TT	URR	101509852	uncharacterized LOC101509852
SNP_26566B_2523929	Ca_Kabuli_Chr06	NC_021165.1	2523929	GG	AA	AA	URR	101509852	uncharacterized LOC101509852
SNP_26567B_2523959	Ca_Kabuli_Chr06	NC_021165.1	2523959	GG	TT	TT	URR	101509852	uncharacterized LOC101509852
SNP_26570B_2525711	Ca_Kabuli_Chr06	NC_021165.1	2525711	CC	AA	AA	INTERGENIC		
SNP_26571B_2527331	Ca_Kabuli_Chr06	NC_021165.1	2527331	AA	GG	GG	INTERGENIC		
SNP_26572B_2527335	Ca_Kabuli_Chr06	NC_021165.1	2527335	GG	AA	AA	INTERGENIC		
SNP_26573B_2527497	Ca_Kabuli_Chr06	NC_021165.1	2527497	GG	AA	AA	INTERGENIC		
SNP_26575B_2539461	Ca_Kabuli_Chr06	NC_021165.1	2539461	AA	TT	TT	URR	101509634	uncharacterized LOC101509634
SNP_26576B_2541567	Ca_Kabuli_Chr06	NC_021165.1	2541567	TT	CC	CC	INTERGENIC		
SNP_26577B_2541940	Ca_Kabuli_Chr06	NC_021165.1	2541940	TT	GG	GG	URR	101509962	uncharacterized LOC101509962

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_26578B_2543431	Ca_Kabuli_Chr06	NC_021165.1	2543431	TT	AA	AA	URR	101509962	uncharacterized LOC101509962
SNP_26579B_2543678	Ca_Kabuli_Chr06	NC_021165.1	2543678	TT	GG	GG	URR	101509962	uncharacterized LOC101509962
SNP_26580B_2565937	Ca_Kabuli_Chr06	NC_021165.1	2565937	GG	AA	AA	INTERGENIC		
SNP_26581B_2572341	Ca_Kabuli_Chr06	NC_021165.1	2572341	AA	GG	GG	INTERGENIC		
SNP_26583B_2674677	Ca_Kabuli_Chr06	NC_021165.1	2674677	GG	AA	AA	INTERGENIC		
SNP_26584B_2674682	Ca_Kabuli_Chr06	NC_021165.1	2674682	AA	GG	GG	INTERGENIC		
SNP_26586B_2675039	Ca_Kabuli_Chr06	NC_021165.1	2675039	TT	CC	CC	INTERGENIC		
SNP_26587B_2675068	Ca_Kabuli_Chr06	NC_021165.1	2675068	AA	GG	GG	INTERGENIC		
SNP_26588B_2683199	Ca_Kabuli_Chr06	NC_021165.1	2683199	AA	GG	GG	URR	101515130	small nuclear ribonucleoprotein Sm D2-like
SNP_26589B_2783893	Ca_Kabuli_Chr06	NC_021165.1	2783893	AA	CC	CC	URR	101492104	uncharacterized LOC101492104
SNP_26590B_2878656	Ca_Kabuli_Chr06	NC_021165.1	2878656	TT	AA	AA	DRR	101496982	protein XAP5 CIRCADIAN TIMEKEEPER
SNP_26591B_2897277	Ca_Kabuli_Chr06	NC_021165.1	2897277	TT	AA	AA	INTERGENIC		
SNP_26593B_3091334	Ca_Kabuli_Chr06	NC_021165.1	3091334	TT	CC	CC	DRR	101514700	uncharacterized LOC101514700
SNP_26594B_3096293	Ca_Kabuli_Chr06	NC_021165.1	3096293	AA	GG	GG	INTERGENIC		
SNP_26595B_3097631	Ca_Kabuli_Chr06	NC_021165.1	3097631	AA	GG	GG	INTERGENIC		
SNP_26596B_3103939	Ca_Kabuli_Chr06	NC_021165.1	3103939	CC	TT	TT	INTERGENIC		
SNP_26597B_3106978	Ca_Kabuli_Chr06	NC_021165.1	3106978	AA	CC	CC	INTERGENIC		
SNP_26599B_3111026	Ca_Kabuli_Chr06	NC_021165.1	3111026	CC	TT	TT	INTERGENIC		
SNP_26600B_3111776	Ca_Kabuli_Chr06	NC_021165.1	3111776	GG	AA	AA	INTERGENIC		
SNP_26601B_3133209	Ca_Kabuli_Chr06	NC_021165.1	3133209	CC	AA	AA	DRR	101515351	uncharacterized LOC101515351
SNP_26602B_3133237	Ca_Kabuli_Chr06	NC_021165.1	3133237	CC	AA	AA	DRR	101515351	uncharacterized LOC101515351
SNP_26603B_3133253	Ca_Kabuli_Chr06	NC_021165.1	3133253	TT	GG	GG	DRR	101515351	uncharacterized LOC101515351
SNP_26604B_3133298	Ca_Kabuli_Chr06	NC_021165.1	3133298	CC	GG	GG	DRR	101515351	uncharacterized LOC101515351
SNP_26605B_3134224	Ca_Kabuli_Chr06	NC_021165.1	3134224	GG	AA	AA	INTRON	101515351	uncharacterized LOC101515351

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_26606B_3134251	Ca_Kabuli_Chr06	NC_021165.1	3134251	TT	CC	CC	INTRON	101515351	uncharacterized LOC101515351
SNP_26607B_3134295	Ca_Kabuli_Chr06	NC_021165.1	3134295	CC	AA	AA	INTRON	101515351	uncharacterized LOC101515351
SNP_26608B_3134310	Ca_Kabuli_Chr06	NC_021165.1	3134310	GG	AA	AA	INTRON	101515351	uncharacterized LOC101515351
SNP_26609B_3134311	Ca_Kabuli_Chr06	NC_021165.1	3134311	GG	AA	AA	INTRON	101515351	uncharacterized LOC101515351
SNP_26610B_3134345	Ca_Kabuli_Chr06	NC_021165.1	3134345	GG	AA	AA	INTRON	101515351	uncharacterized LOC101515351
SNP_26611B_3134348	Ca_Kabuli_Chr06	NC_021165.1	3134348	GG	TT	TT	INTRON	101515351	uncharacterized LOC101515351
SNP_26612B_3134353	Ca_Kabuli_Chr06	NC_021165.1	3134353	CC	GG	GG	INTRON	101515351	uncharacterized LOC101515351
SNP_26613B_3134383	Ca_Kabuli_Chr06	NC_021165.1	3134383	GG	TT	TT	INTRON	101515351	uncharacterized LOC101515351
SNP_26614B_3134384	Ca_Kabuli_Chr06	NC_021165.1	3134384	TT	GG	GG	INTRON	101515351	uncharacterized LOC101515351
SNP_26615B_3134405	Ca_Kabuli_Chr06	NC_021165.1	3134405	GG	AA	AA	INTRON	101515351	uncharacterized LOC101515351
SNP_26616B_3134416	Ca_Kabuli_Chr06	NC_021165.1	3134416	TT	CC	CC	INTRON	101515351	uncharacterized LOC101515351
SNP_26617B_3145623	Ca_Kabuli_Chr06	NC_021165.1	3145623	CC	AA	AA	INTRON	101515683	uncharacterized LOC101515683
SNP_26618B_3158919	Ca_Kabuli_Chr06	NC_021165.1	3158919	TT	GG	GG	INTRON	101488774	uncharacterized LOC101488774
SNP_26619B_3162446	Ca_Kabuli_Chr06	NC_021165.1	3162446	GG	AA	AA	INTRON	101488774	uncharacterized LOC101488774
SNP_26620B_3164467	Ca_Kabuli_Chr06	NC_021165.1	3164467	TT	AA	AA	INTRON	101488774	uncharacterized LOC101488774
SNP_26621B_3164558	Ca_Kabuli_Chr06	NC_021165.1	3164558	AA	CC	CC	INTRON	101488774	uncharacterized LOC101488774
SNP_26622B_3164560	Ca_Kabuli_Chr06	NC_021165.1	3164560	GG	AA	AA	INTRON	101488774	uncharacterized LOC101488774
SNP_26623B_3165404	Ca_Kabuli_Chr06	NC_021165.1	3165404	GG	AA	AA	INTRON	101488774	uncharacterized LOC101488774
SNP_26625B_3166264	Ca_Kabuli_Chr06	NC_021165.1	3166264	GG	AA	AA	INTRON	101488774	uncharacterized LOC101488774
SNP_26626B_3167493	Ca_Kabuli_Chr06	NC_021165.1	3167493	AA	GG	GG	INTRON	101488774	uncharacterized LOC101488774
SNP_26627B_3170662	Ca_Kabuli_Chr06	NC_021165.1	3170662	CC	TT	TT	INTRON	101488774	uncharacterized LOC101488774
SNP_26628B_3175668	Ca_Kabuli_Chr06	NC_021165.1	3175668	CC	TT	TT	INTRON	101488774	uncharacterized LOC101488774
SNP_26629B_3175694	Ca_Kabuli_Chr06	NC_021165.1	3175694	TT	CC	CC	INTRON	101488774	uncharacterized LOC101488774
SNP_26630B_3175780	Ca_Kabuli_Chr06	NC_021165.1	3175780	CC	AA	AA	INTRON	101488774	uncharacterized LOC101488774

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_26631B_3175788	Ca_Kabuli_Chr06	NC_021165.1	3175788	TT	AA	AA	INTRON	101488774	uncharacterized LOC101488774
SNP_26633B_3249230	Ca_Kabuli_Chr06	NC_021165.1	3249230	GG	AA	AA	INTERGENIC		
SNP_26634B_3250130	Ca_Kabuli_Chr06	NC_021165.1	3250130	TT	GG	GG	INTERGENIC		
SNP_26635B_3250138	Ca_Kabuli_Chr06	NC_021165.1	3250138	AA	GG	GG	INTERGENIC		
SNP_26636B_3250221	Ca_Kabuli_Chr06	NC_021165.1	3250221	TT	GG	GG	INTERGENIC		
SNP_26637B_3250227	Ca_Kabuli_Chr06	NC_021165.1	3250227	GG	AA	AA	INTERGENIC		
SNP_26638B_3250363	Ca_Kabuli_Chr06	NC_021165.1	3250363	CC	AA	AA	INTERGENIC		
SNP_26639B_3250388	Ca_Kabuli_Chr06	NC_021165.1	3250388	CC	AA	AA	INTERGENIC		
SNP_26640B_3250429	Ca_Kabuli_Chr06	NC_021165.1	3250429	CC	AA	AA	INTERGENIC		
SNP_26641B_3250445	Ca_Kabuli_Chr06	NC_021165.1	3250445	TT	CC	CC	INTERGENIC		
SNP_26642B_3250448	Ca_Kabuli_Chr06	NC_021165.1	3250448	GG	AA	AA	INTERGENIC		
SNP_26643B_3250482	Ca_Kabuli_Chr06	NC_021165.1	3250482	CC	TT	TT	INTERGENIC		
SNP_26644B_3250529	Ca_Kabuli_Chr06	NC_021165.1	3250529	AA	TT	TT	INTERGENIC		
SNP_26645B_3250552	Ca_Kabuli_Chr06	NC_021165.1	3250552	GG	AA	AA	INTERGENIC		
SNP_26646B_3250564	Ca_Kabuli_Chr06	NC_021165.1	3250564	GG	AA	AA	INTERGENIC		
SNP_26647B_3250593	Ca_Kabuli_Chr06	NC_021165.1	3250593	AA	TT	TT	INTERGENIC		
SNP_26650B_3334943	Ca_Kabuli_Chr06	NC_021165.1	3334943	AA	GG	GG	INTERGENIC		
SNP_26652B_3347279	Ca_Kabuli_Chr06	NC_021165.1	3347279	AA	TT	TT	INTERGENIC		
SNP_26653B_3347280	Ca_Kabuli_Chr06	NC_021165.1	3347280	AA	TT	TT	INTERGENIC		
SNP_26654B_3347283	Ca_Kabuli_Chr06	NC_021165.1	3347283	TT	CC	CC	INTERGENIC		
SNP_26655B_3347304	Ca_Kabuli_Chr06	NC_021165.1	3347304	GG	TT	TT	INTERGENIC		
SNP_26656B_3347709	Ca_Kabuli_Chr06	NC_021165.1	3347709	AA	GG	GG	INTERGENIC		
SNP_26657B_3347730	Ca_Kabuli_Chr06	NC_021165.1	3347730	CC	GG	GG	INTERGENIC		
SNP_26658B_3348760	Ca_Kabuli_Chr06	NC_021165.1	3348760	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_26659B_3348847	Ca_Kabuli_Chr06	NC_021165.1	3348847	GG	AA	AA	INTERGENIC		
SNP_26660B_3348891	Ca_Kabuli_Chr06	NC_021165.1	3348891	AA	GG	GG	INTERGENIC		
SNP_26661B_3349145	Ca_Kabuli_Chr06	NC_021165.1	3349145	TT	GG	GG	DRR	101493433	uncharacterized LOC101493433
SNP_26662B_3349276	Ca_Kabuli_Chr06	NC_021165.1	3349276	CC	TT	TT	DRR	101493433	uncharacterized LOC101493433
SNP_26663B_3349709	Ca_Kabuli_Chr06	NC_021165.1	3349709	CC	TT	TT	DRR	101493433	uncharacterized LOC101493433
SNP_26665B_3351594	Ca_Kabuli_Chr06	NC_021165.1	3351594	GG	TT	TT	URR	101493433	uncharacterized LOC101493433
SNP_26666B_3351645	Ca_Kabuli_Chr06	NC_021165.1	3351645	GG	CC	CC	URR	101493433	uncharacterized LOC101493433
SNP_26669B_3351690	Ca_Kabuli_Chr06	NC_021165.1	3351690	AA	GG	GG	URR	101493433	uncharacterized LOC101493433
SNP_26671B_3351812	Ca_Kabuli_Chr06	NC_021165.1	3351812	AA	GG	GG	URR	101493433	uncharacterized LOC101493433
SNP_26672B_3351841	Ca_Kabuli_Chr06	NC_021165.1	3351841	TT	CC	CC	URR	101493433	uncharacterized LOC101493433
SNP_26673B_3351889	Ca_Kabuli_Chr06	NC_021165.1	3351889	AA	GG	GG	URR	101493433	uncharacterized LOC101493433
SNP_26674B_3352838	Ca_Kabuli_Chr06	NC_021165.1	3352838	GG	AA	AA	INTERGENIC		
SNP_26676B_3353060	Ca_Kabuli_Chr06	NC_021165.1	3353060	GG	AA	AA	INTERGENIC		
SNP_26677B_3353065	Ca_Kabuli_Chr06	NC_021165.1	3353065	TT	CC	CC	INTERGENIC		
SNP_26678B_3353066	Ca_Kabuli_Chr06	NC_021165.1	3353066	GG	AA	AA	INTERGENIC		
SNP_26679B_3353108	Ca_Kabuli_Chr06	NC_021165.1	3353108	TT	AA	AA	INTERGENIC		
SNP_26680B_3353142	Ca_Kabuli_Chr06	NC_021165.1	3353142	GG	TT	TT	INTERGENIC		
SNP_26681B_3353160	Ca_Kabuli_Chr06	NC_021165.1	3353160	TT	AA	AA	INTERGENIC		
SNP_26682B_3353202	Ca_Kabuli_Chr06	NC_021165.1	3353202	AA	CC	CC	INTERGENIC		
SNP_26683B_3353420	Ca_Kabuli_Chr06	NC_021165.1	3353420	AA	CC	CC	INTERGENIC		
SNP_26684B_3354042	Ca_Kabuli_Chr06	NC_021165.1	3354042	CC	TT	TT	INTERGENIC		
SNP_26685B_3354090	Ca_Kabuli_Chr06	NC_021165.1	3354090	TT	CC	CC	INTERGENIC		
SNP_26686B_3354094	Ca_Kabuli_Chr06	NC_021165.1	3354094	GG	AA	AA	INTERGENIC		
SNP_26687B_3354164	Ca_Kabuli_Chr06	NC_021165.1	3354164	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_26688B_3354179	Ca_Kabuli_Chr06	NC_021165.1	3354179	GG	AA	AA	INTERGENIC		
SNP_26689B_3354505	Ca_Kabuli_Chr06	NC_021165.1	3354505	AA	GG	GG	INTERGENIC		
SNP_26691B_3355372	Ca_Kabuli_Chr06	NC_021165.1	3355372	GG	TT	TT	INTERGENIC		
SNP_26692B_3355386	Ca_Kabuli_Chr06	NC_021165.1	3355386	CC	AA	AA	INTERGENIC		
SNP_26693B_3355644	Ca_Kabuli_Chr06	NC_021165.1	3355644	AA	GG	GG	INTERGENIC		
SNP_26694B_3355720	Ca_Kabuli_Chr06	NC_021165.1	3355720	GG	AA	AA	INTERGENIC		
SNP_26695B_3355726	Ca_Kabuli_Chr06	NC_021165.1	3355726	CC	AA	AA	INTERGENIC		
SNP_26696B_3355753	Ca_Kabuli_Chr06	NC_021165.1	3355753	AA	GG	GG	INTERGENIC		
SNP_26698B_3355898	Ca_Kabuli_Chr06	NC_021165.1	3355898	AA	TT	TT	INTERGENIC		
SNP_26699B_3355954	Ca_Kabuli_Chr06	NC_021165.1	3355954	CC	TT	TT	INTERGENIC		
SNP_26700B_3355961	Ca_Kabuli_Chr06	NC_021165.1	3355961	AA	GG	GG	INTERGENIC		
SNP_26701B_3356057	Ca_Kabuli_Chr06	NC_021165.1	3356057	TT	CC	CC	INTERGENIC		
SNP_26702B_3356083	Ca_Kabuli_Chr06	NC_021165.1	3356083	AA	GG	GG	INTERGENIC		
SNP_26703B_3356120	Ca_Kabuli_Chr06	NC_021165.1	3356120	TT	AA	AA	INTERGENIC		
SNP_26704B_3356150	Ca_Kabuli_Chr06	NC_021165.1	3356150	CC	AA	AA	INTERGENIC		
SNP_26705B_3356152	Ca_Kabuli_Chr06	NC_021165.1	3356152	GG	AA	AA	INTERGENIC		
SNP_26706B_3356222	Ca_Kabuli_Chr06	NC_021165.1	3356222	GG	TT	TT	INTERGENIC		
SNP_26707B_3356250	Ca_Kabuli_Chr06	NC_021165.1	3356250	CC	AA	AA	INTERGENIC		
SNP_26708B_3356260	Ca_Kabuli_Chr06	NC_021165.1	3356260	GG	AA	AA	INTERGENIC		
SNP_26709B_3356425	Ca_Kabuli_Chr06	NC_021165.1	3356425	GG	AA	AA	INTERGENIC		
SNP_26710B_3356473	Ca_Kabuli_Chr06	NC_021165.1	3356473	TT	CC	CC	INTERGENIC		
SNP_26711B_3374657	Ca_Kabuli_Chr06	NC_021165.1	3374657	AA	TT	TT	INTERGENIC		
SNP_26712B_3374707	Ca_Kabuli_Chr06	NC_021165.1	3374707	AA	GG	GG	INTERGENIC		
SNP_26713B_3374899	Ca_Kabuli_Chr06	NC_021165.1	3374899	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_26714B_3374906	Ca_Kabuli_Chr06	NC_021165.1	3374906	CC	TT	TT	INTERGENIC		
SNP_26715B_3374986	Ca_Kabuli_Chr06	NC_021165.1	3374986	AA	GG	GG	INTERGENIC		
SNP_26716B_3375209	Ca_Kabuli_Chr06	NC_021165.1	3375209	CC	TT	TT	INTERGENIC		
SNP_26718B_3378086	Ca_Kabuli_Chr06	NC_021165.1	3378086	AA	CC	CC	INTERGENIC		
SNP_26719B_3378096	Ca_Kabuli_Chr06	NC_021165.1	3378096	TT	CC	CC	INTERGENIC		
SNP_26720B_3378114	Ca_Kabuli_Chr06	NC_021165.1	3378114	GG	AA	AA	INTERGENIC		
SNP_26722B_3378129	Ca_Kabuli_Chr06	NC_021165.1	3378129	TT	GG	GG	INTERGENIC		
SNP_26723B_3378760	Ca_Kabuli_Chr06	NC_021165.1	3378760	GG	CC	CC	INTERGENIC		
SNP_26724B_3378765	Ca_Kabuli_Chr06	NC_021165.1	3378765	CC	TT	TT	INTERGENIC		
SNP_26725B_3378773	Ca_Kabuli_Chr06	NC_021165.1	3378773	CC	TT	TT	INTERGENIC		
SNP_26726B_3379238	Ca_Kabuli_Chr06	NC_021165.1	3379238	CC	AA	AA	INTERGENIC		
SNP_26727B_3382730	Ca_Kabuli_Chr06	NC_021165.1	3382730	AA	TT	TT	INTERGENIC		
SNP_26728B_3382747	Ca_Kabuli_Chr06	NC_021165.1	3382747	GG	AA	AA	INTERGENIC		
SNP_26729B_3382770	Ca_Kabuli_Chr06	NC_021165.1	3382770	AA	GG	GG	INTERGENIC		
SNP_26730B_3382771	Ca_Kabuli_Chr06	NC_021165.1	3382771	TT	AA	AA	INTERGENIC		
SNP_26732B_3382848	Ca_Kabuli_Chr06	NC_021165.1	3382848	GG	TT	TT	INTERGENIC		
SNP_26733B_3382890	Ca_Kabuli_Chr06	NC_021165.1	3382890	AA	CC	CC	INTERGENIC		
SNP_26735B_3382960	Ca_Kabuli_Chr06	NC_021165.1	3382960	TT	GG	GG	INTERGENIC		
SNP_26736B_3383016	Ca_Kabuli_Chr06	NC_021165.1	3383016	TT	AA	AA	INTERGENIC		
SNP_26737B_3383082	Ca_Kabuli_Chr06	NC_021165.1	3383082	GG	TT	TT	INTERGENIC		
SNP_26738B_3387473	Ca_Kabuli_Chr06	NC_021165.1	3387473	TT	AA	AA	URR	101494502	Unknown function
SNP_26739B_3387540	Ca_Kabuli_Chr06	NC_021165.1	3387540	AA	GG	GG	URR	101494502	Unknown function
SNP_26740B_3387543	Ca_Kabuli_Chr06	NC_021165.1	3387543	GG	CC	CC	URR	101494502	Unknown function
SNP_26741B_3387610	Ca_Kabuli_Chr06	NC_021165.1	3387610	CC	TT	TT	URR	101494502	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_26745B_3393426	Ca_Kabuli_Chr06	NC_021165.1	3393426	GG	AA	AA	INTERGENIC		
SNP_26746B_3393462	Ca_Kabuli_Chr06	NC_021165.1	3393462	TT	CC	CC	INTERGENIC		
SNP_26747B_3393463	Ca_Kabuli_Chr06	NC_021165.1	3393463	TT	GG	GG	INTERGENIC		
SNP_26748B_3393465	Ca_Kabuli_Chr06	NC_021165.1	3393465	CC	TT	TT	INTERGENIC		
SNP_26749B_3393497	Ca_Kabuli_Chr06	NC_021165.1	3393497	CC	TT	TT	INTERGENIC		
SNP_26750B_3393513	Ca_Kabuli_Chr06	NC_021165.1	3393513	TT	GG	GG	INTERGENIC		
SNP_26751B_3393593	Ca_Kabuli_Chr06	NC_021165.1	3393593	GG	AA	AA	INTERGENIC		
SNP_26753B_3393691	Ca_Kabuli_Chr06	NC_021165.1	3393691	AA	GG	GG	INTERGENIC		
SNP_26754B_3393740	Ca_Kabuli_Chr06	NC_021165.1	3393740	TT	GG	GG	INTERGENIC		
SNP_26755B_3393753	Ca_Kabuli_Chr06	NC_021165.1	3393753	AA	GG	GG	INTERGENIC		
SNP_26756B_3393761	Ca_Kabuli_Chr06	NC_021165.1	3393761	AA	TT	TT	INTERGENIC		
SNP_26757B_3393782	Ca_Kabuli_Chr06	NC_021165.1	3393782	CC	TT	TT	INTERGENIC		
SNP_26758B_3393784	Ca_Kabuli_Chr06	NC_021165.1	3393784	TT	CC	CC	INTERGENIC		
SNP_26759B_3393792	Ca_Kabuli_Chr06	NC_021165.1	3393792	AA	CC	CC	INTERGENIC		
SNP_26760B_3393831	Ca_Kabuli_Chr06	NC_021165.1	3393831	TT	GG	GG	INTERGENIC		
SNP_26761B_3393843	Ca_Kabuli_Chr06	NC_021165.1	3393843	AA	GG	GG	DRR	101494819	ras-related protein RHN1-like
SNP_26762B_3393850	Ca_Kabuli_Chr06	NC_021165.1	3393850	TT	CC	CC	DRR	101494819	ras-related protein RHN1-like
SNP_26763B_3393923	Ca_Kabuli_Chr06	NC_021165.1	3393923	AA	GG	GG	DRR	101494819	ras-related protein RHN1-like
SNP_26764B_3393933	Ca_Kabuli_Chr06	NC_021165.1	3393933	CC	TT	TT	DRR	101494819	ras-related protein RHN1-like
SNP_26765B_3394013	Ca_Kabuli_Chr06	NC_021165.1	3394013	AA	GG	GG	DRR	101494819	ras-related protein RHN1-like
SNP_26766B_3394024	Ca_Kabuli_Chr06	NC_021165.1	3394024	AA	GG	GG	DRR	101494819	ras-related protein RHN1-like
SNP_26767B_3394025	Ca_Kabuli_Chr06	NC_021165.1	3394025	TT	CC	CC	DRR	101494819	ras-related protein RHN1-like
SNP_26768B_3394044	Ca_Kabuli_Chr06	NC_021165.1	3394044	GG	AA	AA	DRR	101494819	ras-related protein RHN1-like
SNP_26769B_3394064	Ca_Kabuli_Chr06	NC_021165.1	3394064	CC	TT	TT	DRR	101494819	ras-related protein RHN1-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_26771B_3394244	Ca_Kabuli_Chr06	NC_021165.1	3394244	AA	GG	GG	DRR	101494819	ras-related protein RHN1-like
SNP_26772B_3394257	Ca_Kabuli_Chr06	NC_021165.1	3394257	TT	CC	CC	DRR	101494819	ras-related protein RHN1-like
SNP_26773B_3394293	Ca_Kabuli_Chr06	NC_021165.1	3394293	CC	TT	TT	DRR	101494819	ras-related protein RHN1-like
SNP_26774B_3394322	Ca_Kabuli_Chr06	NC_021165.1	3394322	TT	GG	GG	DRR	101494819	ras-related protein RHN1-like
SNP_26775B_3394327	Ca_Kabuli_Chr06	NC_021165.1	3394327	AA	GG	GG	DRR	101494819	ras-related protein RHN1-like
SNP_26776B_3394383	Ca_Kabuli_Chr06	NC_021165.1	3394383	TT	CC	CC	DRR	101494819	ras-related protein RHN1-like
SNP_26777B_3394481	Ca_Kabuli_Chr06	NC_021165.1	3394481	TT	AA	AA	DRR	101494819	ras-related protein RHN1-like
SNP_26778B_3394604	Ca_Kabuli_Chr06	NC_021165.1	3394604	CC	AA	AA	DRR	101494819	ras-related protein RHN1-like
SNP_26779B_3394656	Ca_Kabuli_Chr06	NC_021165.1	3394656	TT	CC	CC	DRR	101494819	ras-related protein RHN1-like
SNP_26780B_3394697	Ca_Kabuli_Chr06	NC_021165.1	3394697	GG	AA	AA	DRR	101494819	ras-related protein RHN1-like
SNP_26781B_3394747	Ca_Kabuli_Chr06	NC_021165.1	3394747	CC	TT	TT	DRR	101494819	ras-related protein RHN1-like
SNP_26782B_3394774	Ca_Kabuli_Chr06	NC_021165.1	3394774	CC	TT	TT	DRR	101494819	ras-related protein RHN1-like
SNP_26783B_3394784	Ca_Kabuli_Chr06	NC_021165.1	3394784	CC	GG	GG	DRR	101494819	ras-related protein RHN1-like
SNP_26784B_3394857	Ca_Kabuli_Chr06	NC_021165.1	3394857	CC	TT	TT	INTERGENIC		
SNP_26785B_3394876	Ca_Kabuli_Chr06	NC_021165.1	3394876	GG	AA	AA	INTERGENIC		
SNP_26786B_3394898	Ca_Kabuli_Chr06	NC_021165.1	3394898	AA	TT	TT	INTERGENIC		
SNP_26787B_3395024	Ca_Kabuli_Chr06	NC_021165.1	3395024	GG	AA	AA	INTERGENIC		
SNP_26788B_3395253	Ca_Kabuli_Chr06	NC_021165.1	3395253	GG	AA	AA	INTERGENIC		
SNP_26789B_3395440	Ca_Kabuli_Chr06	NC_021165.1	3395440	AA	GG	GG	INTERGENIC		
SNP_26790B_3395467	Ca_Kabuli_Chr06	NC_021165.1	3395467	TT	GG	GG	INTERGENIC		
SNP_26791B_3395508	Ca_Kabuli_Chr06	NC_021165.1	3395508	AA	GG	GG	INTERGENIC		
SNP_26792B_3395512	Ca_Kabuli_Chr06	NC_021165.1	3395512	AA	TT	TT	INTERGENIC		
SNP_26793B_3395528	Ca_Kabuli_Chr06	NC_021165.1	3395528	CC	TT	TT	INTERGENIC		
SNP_26794B_3395590	Ca_Kabuli_Chr06	NC_021165.1	3395590	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_26795B_3395617	Ca_Kabuli_Chr06	NC_021165.1	3395617	GG	CC	CC	INTERGENIC		
SNP_26796B_3395620	Ca_Kabuli_Chr06	NC_021165.1	3395620	TT	CC	CC	INTERGENIC		
SNP_26798B_3395651	Ca_Kabuli_Chr06	NC_021165.1	3395651	CC	GG	GG	INTERGENIC		
SNP_26799B_3395654	Ca_Kabuli_Chr06	NC_021165.1	3395654	CC	TT	TT	INTERGENIC		
SNP_26800B_3395676	Ca_Kabuli_Chr06	NC_021165.1	3395676	GG	AA	AA	INTERGENIC		
SNP_26801B_3395698	Ca_Kabuli_Chr06	NC_021165.1	3395698	CC	AA	AA	INTERGENIC		
SNP_26802B_3395700	Ca_Kabuli_Chr06	NC_021165.1	3395700	GG	AA	AA	INTERGENIC		
SNP_26803B_3395740	Ca_Kabuli_Chr06	NC_021165.1	3395740	AA	GG	GG	INTERGENIC		
SNP_26805B_3461974	Ca_Kabuli_Chr06	NC_021165.1	3461974	GG	AA	AA	DRR	101498085	protein LIKE COV 1-like
SNP_26806B_3591461	Ca_Kabuli_Chr06	NC_021165.1	3591461	AA	GG	GG	URR	101503755	probable RNA methyltransferase At5g51130
SNP_26807B_3591533	Ca_Kabuli_Chr06	NC_021165.1	3591533	AA	CC	CC	URR	101503755	probable RNA methyltransferase At5g51130
SNP_26808B_3591949	Ca_Kabuli_Chr06	NC_021165.1	3591949	CC	TT	TT	URR	101503755	probable RNA methyltransferase At5g51130
SNP_26809B_3599525	Ca_Kabuli_Chr06	NC_021165.1	3599525	AA	CC	CC	DRR	101505241	Unknown function
SNP_26810B_3636638	Ca_Kabuli_Chr06	NC_021165.1	3636638	TT	CC	CC	DRR	101506011	uncharacterized LOC101506011
SNP_26811B_3656738	Ca_Kabuli_Chr06	NC_021165.1	3656738	AA	CC	CC	URR	101506537	ethylene-responsive transcription factor TINY-like
SNP_26812B_3656741	Ca_Kabuli_Chr06	NC_021165.1	3656741	TT	CC	CC	URR	101506537	ethylene-responsive transcription factor TINY-like
SNP_26813B_3672394	Ca_Kabuli_Chr06	NC_021165.1	3672394	GG	TT	TT	URR	101505897	uncharacterized LOC101505897
SNP_26814B_3672637	Ca_Kabuli_Chr06	NC_021165.1	3672637	AA	GG	GG	URR	101505897	uncharacterized LOC101505897
SNP_26815B_3685370	Ca_Kabuli_Chr06	NC_021165.1	3685370	AA	TT	TT	DRR	101508053	pentatricopeptide repeat-containing protein At1g77170
SNP_26816B_3685371	Ca_Kabuli_Chr06	NC_021165.1	3685371	AA	TT	TT	DRR	101508053	pentatricopeptide repeat-containing protein At1g77170
SNP_26817B_3685372	Ca_Kabuli_Chr06	NC_021165.1	3685372	AA	TT	TT	DRR	101508053	pentatricopeptide repeat-containing protein At1g77170
SNP_26818B_3864189	Ca_Kabuli_Chr06	NC_021165.1	3864189	TT	CC	CC	URR	101489647	putative dual specificity protein phosphatase DSP8
SNP_26819B_3939516	Ca_Kabuli_Chr06	NC_021165.1	3939516	AA	GG	GG	INTERGENIC		
SNP_26820B_3975477	Ca_Kabuli_Chr06	NC_021165.1	3975477	CC	GG	GG	DRR	101495565	60S ribosomal protein L31

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_26821B_3975479	Ca_Kabuli_Chr06	NC_021165.1	3975479	AA	GG	GG	DRR	101495565	60S ribosomal protein L31
SNP_26822B_4064879	Ca_Kabuli_Chr06	NC_021165.1	4064879	TT	AA	AA	DRR	101499599	inactive protein kinase SELMODRAFT_444075-like
SNP_26823B_4064881	Ca_Kabuli_Chr06	NC_021165.1	4064881	TT	AA	AA	DRR	101499599	inactive protein kinase SELMODRAFT_444075-like
SNP_26824B_4212039	Ca_Kabuli_Chr06	NC_021165.1	4212039	AA	GG	GG	INTERGENIC		
SNP_26825B_4249280	Ca_Kabuli_Chr06	NC_021165.1	4249280	AA	GG	GG	INTERGENIC		
SNP_26826B_4249297	Ca_Kabuli_Chr06	NC_021165.1	4249297	CC	TT	TT	INTERGENIC		
SNP_26827B_4290885	Ca_Kabuli_Chr06	NC_021165.1	4290885	TT	CC	CC	INTERGENIC		
SNP_26828B_4291065	Ca_Kabuli_Chr06	NC_021165.1	4291065	GG	AA	AA	INTERGENIC		
SNP_26829B_4385936	Ca_Kabuli_Chr06	NC_021165.1	4385936	TT	CC	CC	DRR	101509419	putative GEM-like protein 8
SNP_26831B_4447482	Ca_Kabuli_Chr06	NC_021165.1	4447482	AA	GG	GG	INTRON	101513288	glutamine-dependent NAD(+) synthetase
SNP_26832B_4470406	Ca_Kabuli_Chr06	NC_021165.1	4470406	AA	GG	GG	INTERGENIC		
SNP_26833B_4491937	Ca_Kabuli_Chr06	NC_021165.1	4491937	AA	GG	GG	INTERGENIC		
SNP_26836B_4635376	Ca_Kabuli_Chr06	NC_021165.1	4635376	TT	CC	CC	DRR	101495023	phosphatidylinositol 4-kinase gamma 2-like
SNP_26838B_4658183	Ca_Kabuli_Chr06	NC_021165.1	4658183	AA	GG	GG	INTRON	101496451	dynamin-related protein 5A
SNP_26840B_4699620	Ca_Kabuli_Chr06	NC_021165.1	4699620	AA	GG	GG	URR	101508778	uncharacterized LOC101508778
SNP_26841B_4699725	Ca_Kabuli_Chr06	NC_021165.1	4699725	TT	AA	AA	URR	101508778	uncharacterized LOC101508778
SNP_26842B_4699773	Ca_Kabuli_Chr06	NC_021165.1	4699773	TT	AA	AA	URR	101508778	uncharacterized LOC101508778
SNP_26843B_4712912	Ca_Kabuli_Chr06	NC_021165.1	4712912	AA	GG	GG	DRR	101498634	uncharacterized LOC101498634
SNP_26844B_4713064	Ca_Kabuli_Chr06	NC_021165.1	4713064	TT	AA	AA	DRR	101498634	uncharacterized LOC101498634
SNP_26845B_4713103	Ca_Kabuli_Chr06	NC_021165.1	4713103	TT	CC	CC	DRR	101498634	uncharacterized LOC101498634
SNP_26846B_4713260	Ca_Kabuli_Chr06	NC_021165.1	4713260	TT	AA	AA	DRR	101498634	uncharacterized LOC101498634
SNP_26847B_4724539	Ca_Kabuli_Chr06	NC_021165.1	4724539	CC	AA	AA	INTRON	101499802	nucleoside diphosphate kinase III, chloroplastic/mitochondrial-like
SNP_26848B_4747279	Ca_Kabuli_Chr06	NC_021165.1	4747279	CC	TT	TT	INTERGENIC		
SNP_26849B_4747765	Ca_Kabuli_Chr06	NC_021165.1	4747765	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_26853B_5074925	Ca_Kabuli_Chr06	NC_021165.1	5074925	AA	TT	TT	INTERGENIC		
SNP_26854B_5153721	Ca_Kabuli_Chr06	NC_021165.1	5153721	TT	CC	CC	INTERGENIC		
SNP_26855B_5245304	Ca_Kabuli_Chr06	NC_021165.1	5245304	GG	AA	AA	INTERGENIC		
SNP_26856B_5246303	Ca_Kabuli_Chr06	NC_021165.1	5246303	AA	TT	TT	INTERGENIC		
SNP_26857B_5287617	Ca_Kabuli_Chr06	NC_021165.1	5287617	GG	AA	AA	INTERGENIC		
SNP_26858B_5287636	Ca_Kabuli_Chr06	NC_021165.1	5287636	GG	AA	AA	INTERGENIC		
SNP_26859B_5287885	Ca_Kabuli_Chr06	NC_021165.1	5287885	AA	GG	GG	INTERGENIC		
SNP_26860B_5287955	Ca_Kabuli_Chr06	NC_021165.1	5287955	TT	GG	GG	INTERGENIC		
SNP_26862B_5335617	Ca_Kabuli_Chr06	NC_021165.1	5335617	TT	CC	CC	DRR	101492896	AT-rich interactive domain-containing protein 2
SNP_26863B_5385822	Ca_Kabuli_Chr06	NC_021165.1	5385822	TT	CC	CC	URR	101494078	cytochrome P450 89A2-like
SNP_26865B_5438513	Ca_Kabuli_Chr06	NC_021165.1	5438513	TT	CC	CC	DRR	101495684	cytochrome P450 86A8
SNP_26866B_5549415	Ca_Kabuli_Chr06	NC_021165.1	5549415	AA	GG	GG	URR	101511049	uncharacterized LOC101511049
SNP_26867B_5594986	Ca_Kabuli_Chr06	NC_021165.1	5594986	AA	GG	GG	URR	101502771	probable serine/threonine-protein kinase At5g41260
SNP_26869B_5657237	Ca_Kabuli_Chr06	NC_021165.1	5657237	TT	AA	AA	URR	101514160	protein LURP-one-related 4
SNP_26870B_5737118	Ca_Kabuli_Chr06	NC_021165.1	5737118	GG	AA	AA	INTRON	101504828	tRNA 2'-phosphotransferase 1-like
SNP_26872B_5795459	Ca_Kabuli_Chr06	NC_021165.1	5795459	TT	CC	CC	INTRON	101504828	tRNA 2'-phosphotransferase 1-like
SNP_26873B_5810377	Ca_Kabuli_Chr06	NC_021165.1	5810377	TT	AA	AA	INTERGENIC		
SNP_26875B_5951942	Ca_Kabuli_Chr06	NC_021165.1	5951942	TT	GG	GG	INTERGENIC		
SNP_26876B_6001917	Ca_Kabuli_Chr06	NC_021165.1	6001917	GG	AA	AA	INTERGENIC		
SNP_26879B_6120280	Ca_Kabuli_Chr06	NC_021165.1	6120280	GG	TT	TT	INTERGENIC		
SNP_26880B_6134321	Ca_Kabuli_Chr06	NC_021165.1	6134321	AA	GG	GG	INTERGENIC		
SNP_26883B_6334322	Ca_Kabuli_Chr06	NC_021165.1	6334322	TT	CC	CC	URR	101489762	protein BONZAI 1
SNP_26884B_6334324	Ca_Kabuli_Chr06	NC_021165.1	6334324	TT	CC	CC	URR	101489762	protein BONZAI 1
SNP_26885B_6410090	Ca_Kabuli_Chr06	NC_021165.1	6410090	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_26886B_6410097	Ca_Kabuli_Chr06	NC_021165.1	6410097	TT	CC	CC	INTERGENIC		
SNP_26887B_6410106	Ca_Kabuli_Chr06	NC_021165.1	6410106	AA	CC	CC	INTERGENIC		
SNP_26888B_6411115	Ca_Kabuli_Chr06	NC_021165.1	6411115	CC	TT	TT	INTERGENIC		
SNP_26890B_6475269	Ca_Kabuli_Chr06	NC_021165.1	6475269	AA	GG	GG	INTERGENIC		
SNP_26891B_6580437	Ca_Kabuli_Chr06	NC_021165.1	6580437	TT	CC	CC	INTERGENIC		
SNP_26892B_6747065	Ca_Kabuli_Chr06	NC_021165.1	6747065	CC	AA	AA	INTERGENIC		
SNP_26893B_6922421	Ca_Kabuli_Chr06	NC_021165.1	6922421	AA	TT	TT	URR	101508886	uncharacterized LOC101508886
SNP_26894B_6922605	Ca_Kabuli_Chr06	NC_021165.1	6922605	TT	CC	CC	URR	101508886	uncharacterized LOC101508886
SNP_26895B_6922873	Ca_Kabuli_Chr06	NC_021165.1	6922873	CC	AA	AA	URR	101508886	uncharacterized LOC101508886
SNP_26896B_6922950	Ca_Kabuli_Chr06	NC_021165.1	6922950	TT	AA	AA	URR	101508886	uncharacterized LOC101508886
SNP_26898B_6984565	Ca_Kabuli_Chr06	NC_021165.1	6984565	TT	GG	GG	INTERGENIC		
SNP_26899B_7015483	Ca_Kabuli_Chr06	NC_021165.1	7015483	AA	GG	GG	INTERGENIC		
SNP_26900B_7099522	Ca_Kabuli_Chr06	NC_021165.1	7099522	GG	AA	AA	DRR	101492567	phosphatidylinositol 4-kinase beta 1-like
SNP_26901B_7125932	Ca_Kabuli_Chr06	NC_021165.1	7125932	TT	CC	CC	INTRON	101493229	uncharacterized LOC101493229
SNP_26902B_7144277	Ca_Kabuli_Chr06	NC_021165.1	7144277	TT	CC	CC	URR	101493866	protein trichome berefringence-like 7
SNP_26903B_7192204	Ca_Kabuli_Chr06	NC_021165.1	7192204	CC	TT	TT	INTERGENIC		
SNP_26904B_7192206	Ca_Kabuli_Chr06	NC_021165.1	7192206	CC	TT	TT	INTERGENIC		
SNP_26905B_7344708	Ca_Kabuli_Chr06	NC_021165.1	7344708	CC	GG	GG	INTERGENIC		
SNP_26906B_7344748	Ca_Kabuli_Chr06	NC_021165.1	7344748	TT	CC	CC	INTERGENIC		
SNP_26907B_7537689	Ca_Kabuli_Chr06	NC_021165.1	7537689	AA	GG	GG	INTERGENIC		
SNP_26908B_7558455	Ca_Kabuli_Chr06	NC_021165.1	7558455	AA	GG	GG	INTRON	101511453	uncharacterized LOC101511453
SNP_26909B_7573584	Ca_Kabuli_Chr06	NC_021165.1	7573584	AA	GG	GG	INTRON	101511453	uncharacterized LOC101511453
SNP_26910B_7580459	Ca_Kabuli_Chr06	NC_021165.1	7580459	GG	AA	AA	URR	101511453	uncharacterized LOC101511453
SNP_26911B_7581678	Ca_Kabuli_Chr06	NC_021165.1	7581678	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_26913B_7595418	Ca_Kabuli_Chr06	NC_021165.1	7595418	GG	AA	AA	DRR	101512656	UPF0202 protein At1g10490
SNP_26914B_7596821	Ca_Kabuli_Chr06	NC_021165.1	7596821	CC	TT	TT	INTRON	101512656	UPF0202 protein At1g10490
SNP_26915B_7615454	Ca_Kabuli_Chr06	NC_021165.1	7615454	CC	TT	TT	URR	101493867	Unknown function
SNP_26916B_7629102	Ca_Kabuli_Chr06	NC_021165.1	7629102	AA	GG	GG	URR	101513816	iron-sulfur assembly protein IscA, chloroplastic
SNP_26917B_7634008	Ca_Kabuli_Chr06	NC_021165.1	7634008	TT	CC	CC	INTERGENIC		
SNP_26918B_7641907	Ca_Kabuli_Chr06	NC_021165.1	7641907	AA	GG	GG	URR	101494195	probable WRKY transcription factor 51
SNP_26920B_7673202	Ca_Kabuli_Chr06	NC_021165.1	7673202	TT	CC	CC	SYNONYMOUS_CODING	101488997	transcription factor TFIIIB component B''
SNP_26922B_7709245	Ca_Kabuli_Chr06	NC_021165.1	7709245	AA	CC	CC	INTERGENIC		
SNP_26923B_7729362	Ca_Kabuli_Chr06	NC_021165.1	7729362	AA	GG	GG	URR	101491467	protein CPR-5-like
SNP_26924B_7745726	Ca_Kabuli_Chr06	NC_021165.1	7745726	AA	TT	TT	INTRON	101492335	uncharacterized aarF domain-containing protein kinase At1g79600, chloroplastic-like
SNP_26925B_7750383	Ca_Kabuli_Chr06	NC_021165.1	7750383	TT	CC	CC	URR	101492335	uncharacterized aarF domain-containing protein kinase At1g79600, chloroplastic-like
SNP_26926B_7752658	Ca_Kabuli_Chr06	NC_021165.1	7752658	GG	AA	AA	INTERGENIC		
SNP_26927B_7752679	Ca_Kabuli_Chr06	NC_021165.1	7752679	CC	TT	TT	INTERGENIC		
SNP_26928B_7760924	Ca_Kabuli_Chr06	NC_021165.1	7760924	GG	TT	TT	INTERGENIC		
SNP_26929B_7803477	Ca_Kabuli_Chr06	NC_021165.1	7803477	TT	CC	CC	URR	101495685	probable E3 ubiquitin-protein ligase XERICO
SNP_26931B_7817205	Ca_Kabuli_Chr06	NC_021165.1	7817205	CC	TT	TT	INTRON	101496556	uncharacterized LOC101496556
SNP_26932B_7826608	Ca_Kabuli_Chr06	NC_021165.1	7826608	CC	TT	TT	DRR	101494820	uncharacterized LOC101494820
SNP_26933B_7829272	Ca_Kabuli_Chr06	NC_021165.1	7829272	CC	TT	TT	INTERGENIC		
SNP_26934B_7860998	Ca_Kabuli_Chr06	NC_021165.1	7860998	TT	CC	CC	INTERGENIC		
SNP_26935B_7861173	Ca_Kabuli_Chr06	NC_021165.1	7861173	GG	AA	AA	INTERGENIC		
SNP_26936B_7872452	Ca_Kabuli_Chr06	NC_021165.1	7872452	CC	TT	TT	INTRON	101498423	bifunctional aspartate aminotransferase and glutamate/aspartate-prephenate aminotransferase
SNP_26937B_7872596	Ca_Kabuli_Chr06	NC_021165.1	7872596	GG	TT	TT	INTRON	101498423	bifunctional aspartate aminotransferase and glutamate/aspartate-prephenate aminotransferase
SNP_26938B_7907013	Ca_Kabuli_Chr06	NC_021165.1	7907013	GG	AA	AA	INTRON	101500018	phosphoglycerate mutase-like
SNP_26939B_7916715	Ca_Kabuli_Chr06	NC_021165.1	7916715	AA	GG	GG	DRR	101500668	putative ETHYLENE INSENSITIVE 3-like 4 protein

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_26940B_7920944	Ca_Kabuli_Chr06	NC_021165.1	7920944	AA	GG	GG	INTERGENIC		
SNP_26941B_7922118	Ca_Kabuli_Chr06	NC_021165.1	7922118	TT	GG	GG	INTERGENIC		
SNP_26942B_7922146	Ca_Kabuli_Chr06	NC_021165.1	7922146	AA	TT	TT	INTERGENIC		
SNP_26943B_7927061	Ca_Kabuli_Chr06	NC_021165.1	7927061	TT	AA	AA	DRR	101501296	acyl-coenzyme A oxidase 2, peroxisomal
SNP_26944B_7929338	Ca_Kabuli_Chr06	NC_021165.1	7929338	TT	CC	CC	INTERGENIC		
SNP_26945B_7929339	Ca_Kabuli_Chr06	NC_021165.1	7929339	GG	AA	AA	INTERGENIC		
SNP_26946B_7935413	Ca_Kabuli_Chr06	NC_021165.1	7935413	TT	GG	GG	INTERGENIC		
SNP_26947B_7942026	Ca_Kabuli_Chr06	NC_021165.1	7942026	AA	TT	TT	URR	101501615	uncharacterized LOC101501615
SNP_26948B_7955634	Ca_Kabuli_Chr06	NC_021165.1	7955634	CC	TT	TT	DRR	101502773	ethylene-responsive transcription factor ERF060
SNP_26950B_7976995	Ca_Kabuli_Chr06	NC_021165.1	7976995	AA	GG	GG	INTERGENIC		
SNP_26954B_8062630	Ca_Kabuli_Chr06	NC_021165.1	8062630	GG	CC	CC	URR	101506649	CMP-sialic acid transporter 5
SNP_26955B_8075973	Ca_Kabuli_Chr06	NC_021165.1	8075973	GG	TT	TT	INTERGENIC		
SNP_26957B_8088593	Ca_Kabuli_Chr06	NC_021165.1	8088593	CC	TT	TT	INTERGENIC		
SNP_26958B_8095992	Ca_Kabuli_Chr06	NC_021165.1	8095992	GG	AA	AA	URR	101508779	Unknown function
SNP_26959B_8126866	Ca_Kabuli_Chr06	NC_021165.1	8126866	AA	TT	TT	INTERGENIC		
SNP_26960B_8129714	Ca_Kabuli_Chr06	NC_021165.1	8129714	AA	CC	CC	INTERGENIC		
SNP_26961B_8159694	Ca_Kabuli_Chr06	NC_021165.1	8159694	TT	CC	CC	INTERGENIC		
SNP_26962B_8179739	Ca_Kabuli_Chr06	NC_021165.1	8179739	GG	CC	CC	INTERGENIC		
SNP_26963B_8230177	Ca_Kabuli_Chr06	NC_021165.1	8230177	TT	GG	GG	URR	101515258	uncharacterized LOC101515258
SNP_26964B_8230180	Ca_Kabuli_Chr06	NC_021165.1	8230180	TT	GG	GG	URR	101515258	uncharacterized LOC101515258
SNP_26965B_8279402	Ca_Kabuli_Chr06	NC_021165.1	8279402	GG	AA	AA	URR	101489850	pentatricopeptide repeat-containing protein At4g02750-like
SNP_26966B_8299602	Ca_Kabuli_Chr06	NC_021165.1	8299602	TT	CC	CC	INTRON	101491056	LMBR1 domain-containing protein 2 homolog A-like
SNP_26967B_8333689	Ca_Kabuli_Chr06	NC_021165.1	8333689	TT	CC	CC	INTERGENIC		
SNP_26968B_8364641	Ca_Kabuli_Chr06	NC_021165.1	8364641	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_26970B_8417693	Ca_Kabuli_Chr06	NC_021165.1	8417693	GG	AA	AA	INTERGENIC		
SNP_26971B_8418651	Ca_Kabuli_Chr06	NC_021165.1	8418651	CC	TT	TT	INTERGENIC		
SNP_26972B_8418660	Ca_Kabuli_Chr06	NC_021165.1	8418660	TT	CC	CC	INTERGENIC		
SNP_26973B_8433740	Ca_Kabuli_Chr06	NC_021165.1	8433740	AA	GG	GG	INTERGENIC		
SNP_26974B_8448335	Ca_Kabuli_Chr06	NC_021165.1	8448335	TT	GG	GG	INTERGENIC		
SNP_26975B_8448729	Ca_Kabuli_Chr06	NC_021165.1	8448729	TT	AA	AA	INTERGENIC		
SNP_26976B_8448741	Ca_Kabuli_Chr06	NC_021165.1	8448741	CC	AA	AA	INTERGENIC		
SNP_26977B_8448823	Ca_Kabuli_Chr06	NC_021165.1	8448823	CC	TT	TT	INTERGENIC		
SNP_26978B_8448825	Ca_Kabuli_Chr06	NC_021165.1	8448825	AA	GG	GG	INTERGENIC		
SNP_26979B_8451627	Ca_Kabuli_Chr06	NC_021165.1	8451627	GG	CC	CC	INTERGENIC		
SNP_26980B_8452359	Ca_Kabuli_Chr06	NC_021165.1	8452359	CC	TT	TT	INTERGENIC		
SNP_26981B_8452376	Ca_Kabuli_Chr06	NC_021165.1	8452376	AA	GG	GG	INTERGENIC		
SNP_26982B_8477671	Ca_Kabuli_Chr06	NC_021165.1	8477671	CC	TT	TT	INTERGENIC		
SNP_26983B_8478122	Ca_Kabuli_Chr06	NC_021165.1	8478122	GG	AA	AA	INTERGENIC		
SNP_26984B_8522061	Ca_Kabuli_Chr06	NC_021165.1	8522061	TT	AA	AA	INTERGENIC		
SNP_26985B_8522512	Ca_Kabuli_Chr06	NC_021165.1	8522512	GG	TT	TT	INTERGENIC		
SNP_26986B_8663797	Ca_Kabuli_Chr06	NC_021165.1	8663797	AA	GG	GG	URR	101503090	paramyosin
SNP_26987B_8679602	Ca_Kabuli_Chr06	NC_021165.1	8679602	AA	GG	GG	URR	101503968	uncharacterized LOC101503968
SNP_26988B_8682586	Ca_Kabuli_Chr06	NC_021165.1	8682586	AA	CC	CC	DRR	101490831	uncharacterized LOC101490831
SNP_26989B_8682588	Ca_Kabuli_Chr06	NC_021165.1	8682588	AA	GG	GG	DRR	101490831	uncharacterized LOC101490831
SNP_26991B_8755862	Ca_Kabuli_Chr06	NC_021165.1	8755862	AA	GG	GG	INTRON	101506983	DNA damage-binding protein 1
SNP_26992B_8779978	Ca_Kabuli_Chr06	NC_021165.1	8779978	TT	CC	CC	INTERGENIC		
SNP_26993B_8796436	Ca_Kabuli_Chr06	NC_021165.1	8796436	TT	CC	CC	SYNONYMOUS_CODING	101491783	lysine histidine transporter-like 8
SNP_26994B_8796693	Ca_Kabuli_Chr06	NC_021165.1	8796693	CC	TT	TT	INTRON	101491783	lysine histidine transporter-like 8

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_26995B_8796701	Ca_Kabuli_Chr06	NC_021165.1	8796701	CC	TT	TT	INTRON	101491783	lysine histidine transporter-like 8
SNP_26996B_8796873	Ca_Kabuli_Chr06	NC_021165.1	8796873	AA	CC	CC	INTRON	101491783	lysine histidine transporter-like 8
SNP_26997B_8796939	Ca_Kabuli_Chr06	NC_021165.1	8796939	CC	AA	AA	INTRON	101491783	lysine histidine transporter-like 8
SNP_27000B_8835756	Ca_Kabuli_Chr06	NC_021165.1	8835756	AA	TT	TT	INTERGENIC		
SNP_27001B_8847575	Ca_Kabuli_Chr06	NC_021165.1	8847575	TT	CC	CC	URR	101510070	cationic amino acid transporter 1
SNP_27002B_8847577	Ca_Kabuli_Chr06	NC_021165.1	8847577	TT	GG	GG	URR	101510070	cationic amino acid transporter 1
SNP_27003B_8847585	Ca_Kabuli_Chr06	NC_021165.1	8847585	CC	TT	TT	URR	101510070	cationic amino acid transporter 1
SNP_27004B_8914484	Ca_Kabuli_Chr06	NC_021165.1	8914484	GG	TT	TT	INTERGENIC		
SNP_27005B_8987539	Ca_Kabuli_Chr06	NC_021165.1	8987539	TT	CC	CC	INTERGENIC		
SNP_27006B_9000470	Ca_Kabuli_Chr06	NC_021165.1	9000470	GG	AA	AA	INTERGENIC		
SNP_27008B_9030714	Ca_Kabuli_Chr06	NC_021165.1	9030714	CC	GG	GG	URR	101493437	probable receptor-like protein kinase At1g11050
SNP_27009B_9060357	Ca_Kabuli_Chr06	NC_021165.1	9060357	CC	GG	GG	DRR	101494079	lysine histidine transporter-like 8
SNP_27010B_9060366	Ca_Kabuli_Chr06	NC_021165.1	9060366	CC	TT	TT	DRR	101494079	lysine histidine transporter-like 8
SNP_27012B_9060465	Ca_Kabuli_Chr06	NC_021165.1	9060465	AA	CC	CC	DRR	101494079	lysine histidine transporter-like 8
SNP_27013B_9060495	Ca_Kabuli_Chr06	NC_021165.1	9060495	AA	CC	CC	DRR	101494079	lysine histidine transporter-like 8
SNP_27014B_9060621	Ca_Kabuli_Chr06	NC_021165.1	9060621	AA	GG	GG	DRR	101494079	lysine histidine transporter-like 8
SNP_27015B_9060696	Ca_Kabuli_Chr06	NC_021165.1	9060696	CC	TT	TT	DRR	101494079	lysine histidine transporter-like 8
SNP_27016B_9101468	Ca_Kabuli_Chr06	NC_021165.1	9101468	GG	TT	TT	INTERGENIC		
SNP_27017B_9101653	Ca_Kabuli_Chr06	NC_021165.1	9101653	TT	AA	AA	INTERGENIC		
SNP_27018B_9103094	Ca_Kabuli_Chr06	NC_021165.1	9103094	TT	AA	AA	INTERGENIC		
SNP_27019B_9128629	Ca_Kabuli_Chr06	NC_021165.1	9128629	GG	AA	AA	DRR	101496230	rab GDP dissociation inhibitor alpha-like
SNP_27021B_9204000	Ca_Kabuli_Chr06	NC_021165.1	9204000	TT	CC	CC	DRR	101498189	calpain-type cysteine protease DEK1
SNP_27022B_9238610	Ca_Kabuli_Chr06	NC_021165.1	9238610	AA	CC	CC	URR	101498516	uncharacterized LOC101498516
SNP_27023B_9519481	Ca_Kabuli_Chr06	NC_021165.1	9519481	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_27024B_9579545	Ca_Kabuli_Chr06	NC_021165.1	9579545	GG	AA	AA	URR	101511455	alpha,alpha-trehalose-phosphate synthase [UDP-forming] 1-like
SNP_27025B_9649374	Ca_Kabuli_Chr06	NC_021165.1	9649374	TT	CC	CC	INTERGENIC		
SNP_27026B_9757937	Ca_Kabuli_Chr06	NC_021165.1	9757937	CC	AA	AA	URR	101493438	probable WRKY transcription factor 65
SNP_27028B_9887393	Ca_Kabuli_Chr06	NC_021165.1	9887393	CC	TT	TT	INTERGENIC		
SNP_27030B_10082427	Ca_Kabuli_Chr06	NC_021165.1	10082427	AA	TT	TT	INTERGENIC		
SNP_27032B_10107280	Ca_Kabuli_Chr06	NC_021165.1	10107280	TT	CC	CC	DRR	101504186	peptidyl-tRNA hydrolase, mitochondrial
SNP_27035B_10170774	Ca_Kabuli_Chr06	NC_021165.1	10170774	AA	TT	TT	INTERGENIC		
SNP_27036B_10230792	Ca_Kabuli_Chr06	NC_021165.1	10230792	TT	CC	CC	INTRON	101509639	serine/threonine-protein phosphatase PP2A catalytic subunit
SNP_27037B_10321883	Ca_Kabuli_Chr06	NC_021165.1	10321883	AA	GG	GG	INTERGENIC		
SNP_27038B_10331130	Ca_Kabuli_Chr06	NC_021165.1	10331130	CC	TT	TT	URR	101513947	PLASMODESMATA CALLOSE-BINDING PROTEIN 3-like
SNP_27039B_10372253	Ca_Kabuli_Chr06	NC_021165.1	10372253	AA	GG	GG	DRR	101513184	PLASMODESMATA CALLOSE-BINDING PROTEIN 3-like
SNP_27040B_10498273	Ca_Kabuli_Chr06	NC_021165.1	10498273	GG	AA	AA	INTERGENIC		
SNP_27042B_10502624	Ca_Kabuli_Chr06	NC_021165.1	10502624	CC	GG	GG	URR	101489106	chalcone synthase 1
SNP_27043B_10502630	Ca_Kabuli_Chr06	NC_021165.1	10502630	AA	GG	GG	URR	101489106	chalcone synthase 1
SNP_27045B_10503385	Ca_Kabuli_Chr06	NC_021165.1	10503385	GG	AA	AA	URR	101489106	chalcone synthase 1
SNP_27046B_10507686	Ca_Kabuli_Chr06	NC_021165.1	10507686	TT	CC	CC	DRR	101489764	probable magnesium transporter NIPA1
SNP_27047B_10508416	Ca_Kabuli_Chr06	NC_021165.1	10508416	GG	CC	CC	DRR	101489764	probable magnesium transporter NIPA1
SNP_27051B_10556803	Ca_Kabuli_Chr06	NC_021165.1	10556803	CC	TT	TT	INTERGENIC		
SNP_27053B_10559448	Ca_Kabuli_Chr06	NC_021165.1	10559448	TT	CC	CC	INTERGENIC		
SNP_27054B_10563084	Ca_Kabuli_Chr06	NC_021165.1	10563084	AA	TT	TT	INTERGENIC		
SNP_27055B_10566137	Ca_Kabuli_Chr06	NC_021165.1	10566137	AA	CC	CC	INTERGENIC		
SNP_27056B_10566181	Ca_Kabuli_Chr06	NC_021165.1	10566181	AA	GG	GG	INTERGENIC		
SNP_27057B_10566241	Ca_Kabuli_Chr06	NC_021165.1	10566241	AA	GG	GG	INTERGENIC		
SNP_27058B_10566416	Ca_Kabuli_Chr06	NC_021165.1	10566416	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_27059B_10566453	Ca_Kabuli_Chr06	NC_021165.1	10566453	GG	AA	AA	INTERGENIC		
SNP_27060B_10566994	Ca_Kabuli_Chr06	NC_021165.1	10566994	GG	AA	AA	DRR	101492108	uncharacterized protein PF11_0207-like
SNP_27061B_10567211	Ca_Kabuli_Chr06	NC_021165.1	10567211	GG	CC	CC	DRR	101492108	uncharacterized protein PF11_0207-like
SNP_27064B_10576388	Ca_Kabuli_Chr06	NC_021165.1	10576388	CC	TT	TT	URR	101492108	uncharacterized protein PF11_0207-like
SNP_27065B_10576413	Ca_Kabuli_Chr06	NC_021165.1	10576413	TT	GG	GG	URR	101492108	uncharacterized protein PF11_0207-like
SNP_27066B_10577044	Ca_Kabuli_Chr06	NC_021165.1	10577044	CC	TT	TT	URR	101492108	uncharacterized protein PF11_0207-like
SNP_27067B_10577072	Ca_Kabuli_Chr06	NC_021165.1	10577072	TT	AA	AA	URR	101492108	uncharacterized protein PF11_0207-like
SNP_27068B_10577092	Ca_Kabuli_Chr06	NC_021165.1	10577092	CC	TT	TT	URR	101492108	uncharacterized protein PF11_0207-like
SNP_27069B_10577097	Ca_Kabuli_Chr06	NC_021165.1	10577097	TT	CC	CC	URR	101492108	uncharacterized protein PF11_0207-like
SNP_27070B_10577328	Ca_Kabuli_Chr06	NC_021165.1	10577328	GG	AA	AA	URR	101492108	uncharacterized protein PF11_0207-like
SNP_27071B_10577365	Ca_Kabuli_Chr06	NC_021165.1	10577365	TT	CC	CC	URR	101492108	uncharacterized protein PF11_0207-like
SNP_27072B_10577369	Ca_Kabuli_Chr06	NC_021165.1	10577369	GG	AA	AA	URR	101492108	uncharacterized protein PF11_0207-like
SNP_27073B_10578960	Ca_Kabuli_Chr06	NC_021165.1	10578960	TT	GG	GG	INTERGENIC		
SNP_27074B_10578970	Ca_Kabuli_Chr06	NC_021165.1	10578970	GG	AA	AA	INTERGENIC		
SNP_27075B_10578979	Ca_Kabuli_Chr06	NC_021165.1	10578979	AA	CC	CC	INTERGENIC		
SNP_27076B_10578988	Ca_Kabuli_Chr06	NC_021165.1	10578988	GG	CC	CC	INTERGENIC		
SNP_27077B_10579352	Ca_Kabuli_Chr06	NC_021165.1	10579352	TT	CC	CC	INTERGENIC		
SNP_27078B_10584947	Ca_Kabuli_Chr06	NC_021165.1	10584947	AA	GG	GG	URR	101492900	60S ribosomal protein L10a-like
SNP_27079B_10584950	Ca_Kabuli_Chr06	NC_021165.1	10584950	TT	GG	GG	URR	101492900	60S ribosomal protein L10a-like
SNP_27080B_10586196	Ca_Kabuli_Chr06	NC_021165.1	10586196	GG	CC	CC	DRR	101493439	uncharacterized LOC101493439
SNP_27081B_10586197	Ca_Kabuli_Chr06	NC_021165.1	10586197	GG	AA	AA	DRR	101493439	uncharacterized LOC101493439
SNP_27082B_10586198	Ca_Kabuli_Chr06	NC_021165.1	10586198	CC	AA	AA	DRR	101493439	uncharacterized LOC101493439
SNP_27083B_10586236	Ca_Kabuli_Chr06	NC_021165.1	10586236	AA	GG	GG	DRR	101493439	uncharacterized LOC101493439
SNP_27084B_10586247	Ca_Kabuli_Chr06	NC_021165.1	10586247	AA	GG	GG	DRR	101493439	uncharacterized LOC101493439

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_27085B_10586248	Ca_Kabuli_Chr06	NC_021165.1	10586248	GG	AA	AA	DRR	101493439	uncharacterized LOC101493439
SNP_27087B_10586847	Ca_Kabuli_Chr06	NC_021165.1	10586847	AA	GG	GG	DRR	101493439	uncharacterized LOC101493439
SNP_27088B_10586941	Ca_Kabuli_Chr06	NC_021165.1	10586941	GG	CC	CC	DRR	101493439	uncharacterized LOC101493439
SNP_27089B_10587173	Ca_Kabuli_Chr06	NC_021165.1	10587173	CC	GG	GG	DRR	101493439	uncharacterized LOC101493439
SNP_27090B_10589566	Ca_Kabuli_Chr06	NC_021165.1	10589566	AA	GG	GG	URR	101493439	uncharacterized LOC101493439
SNP_27091B_10596404	Ca_Kabuli_Chr06	NC_021165.1	10596404	TT	GG	GG	INTERGENIC		
SNP_27092B_10596405	Ca_Kabuli_Chr06	NC_021165.1	10596405	AA	TT	TT	INTERGENIC		
SNP_27093B_10596416	Ca_Kabuli_Chr06	NC_021165.1	10596416	AA	GG	GG	INTERGENIC		
SNP_27094B_10599554	Ca_Kabuli_Chr06	NC_021165.1	10599554	TT	CC	CC	INTERGENIC		
SNP_27095B_10606668	Ca_Kabuli_Chr06	NC_021165.1	10606668	CC	TT	TT	URR	101494081	adenosylhomocysteinase-like
SNP_27096B_10608850	Ca_Kabuli_Chr06	NC_021165.1	10608850	AA	GG	GG	INTERGENIC		
SNP_27097B_10609211	Ca_Kabuli_Chr06	NC_021165.1	10609211	CC	TT	TT	INTERGENIC		
SNP_27098B_10616560	Ca_Kabuli_Chr06	NC_021165.1	10616560	CC	TT	TT	URR	101494390	heat stress transcription factor A-5
SNP_27100B_10617158	Ca_Kabuli_Chr06	NC_021165.1	10617158	AA	GG	GG	URR	101494390	heat stress transcription factor A-5
SNP_27101B_10617163	Ca_Kabuli_Chr06	NC_021165.1	10617163	AA	TT	TT	URR	101494390	heat stress transcription factor A-5
SNP_27102B_10617289	Ca_Kabuli_Chr06	NC_021165.1	10617289	AA	GG	GG	URR	101494390	heat stress transcription factor A-5
SNP_27103B_10617332	Ca_Kabuli_Chr06	NC_021165.1	10617332	TT	GG	GG	URR	101494390	heat stress transcription factor A-5
SNP_27104B_10618619	Ca_Kabuli_Chr06	NC_021165.1	10618619	GG	AA	AA	INTERGENIC		
SNP_27106B_10621995	Ca_Kabuli_Chr06	NC_021165.1	10621995	CC	TT	TT	INTERGENIC		
SNP_27107B_10622538	Ca_Kabuli_Chr06	NC_021165.1	10622538	TT	CC	CC	INTERGENIC		
SNP_27108B_10622750	Ca_Kabuli_Chr06	NC_021165.1	10622750	AA	TT	TT	INTERGENIC		
SNP_27109B_10624254	Ca_Kabuli_Chr06	NC_021165.1	10624254	TT	AA	AA	DRR	101494702	protein BUD31 homolog 2
SNP_27111B_10625671	Ca_Kabuli_Chr06	NC_021165.1	10625671	GG	AA	AA	INTRON	101494702	protein BUD31 homolog 2
SNP_27112B_10630434	Ca_Kabuli_Chr06	NC_021165.1	10630434	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_27114B_10646168	Ca_Kabuli_Chr06	NC_021165.1	10646168	GG	TT	TT	INTERGENIC		
SNP_27115B_10646184	Ca_Kabuli_Chr06	NC_021165.1	10646184	GG	AA	AA	INTERGENIC		
SNP_27116B_10646198	Ca_Kabuli_Chr06	NC_021165.1	10646198	GG	CC	CC	INTERGENIC		
SNP_27117B_10647841	Ca_Kabuli_Chr06	NC_021165.1	10647841	CC	TT	TT	INTERGENIC		
SNP_27118B_10647882	Ca_Kabuli_Chr06	NC_021165.1	10647882	TT	AA	AA	INTERGENIC		
SNP_27119B_10649881	Ca_Kabuli_Chr06	NC_021165.1	10649881	CC	TT	TT	DRR	101496344	protein RALF-like 32
SNP_27120B_10649883	Ca_Kabuli_Chr06	NC_021165.1	10649883	CC	GG	GG	DRR	101496344	protein RALF-like 32
SNP_27122B_10651386	Ca_Kabuli_Chr06	NC_021165.1	10651386	GG	AA	AA	DRR	101496670	probable acyl-activating enzyme 16, chloroplastic
SNP_27124B_10654374	Ca_Kabuli_Chr06	NC_021165.1	10654374	GG	AA	AA	INTRON	101496670	probable acyl-activating enzyme 16, chloroplastic
SNP_27125B_10657335	Ca_Kabuli_Chr06	NC_021165.1	10657335	GG	TT	TT	INTRON	101496670	probable acyl-activating enzyme 16, chloroplastic
SNP_27126B_10657650	Ca_Kabuli_Chr06	NC_021165.1	10657650	TT	CC	CC	INTRON	101496670	probable acyl-activating enzyme 16, chloroplastic
SNP_27128B_10662221	Ca_Kabuli_Chr06	NC_021165.1	10662221	TT	CC	CC	URR	101496670	probable acyl-activating enzyme 16, chloroplastic
SNP_27129B_10662231	Ca_Kabuli_Chr06	NC_021165.1	10662231	CC	TT	TT	URR	101496670	probable acyl-activating enzyme 16, chloroplastic
SNP_27130B_10662251	Ca_Kabuli_Chr06	NC_021165.1	10662251	TT	AA	AA	URR	101496670	probable acyl-activating enzyme 16, chloroplastic
SNP_27131B_10665460	Ca_Kabuli_Chr06	NC_021165.1	10665460	TT	CC	CC	INTERGENIC		
SNP_27132B_10665465	Ca_Kabuli_Chr06	NC_021165.1	10665465	GG	AA	AA	INTERGENIC		
SNP_27133B_10666049	Ca_Kabuli_Chr06	NC_021165.1	10666049	CC	TT	TT	INTERGENIC		
SNP_27134B_10670773	Ca_Kabuli_Chr06	NC_021165.1	10670773	CC	AA	AA	INTRON	101496985	bifunctional aspartokinase/homoserine dehydrogenase 1, chloroplastic-like
SNP_27135B_10671394	Ca_Kabuli_Chr06	NC_021165.1	10671394	TT	CC	CC	INTRON	101496985	bifunctional aspartokinase/homoserine dehydrogenase 1, chloroplastic-like
SNP_27136B_10676005	Ca_Kabuli_Chr06	NC_021165.1	10676005	AA	CC	CC	INTRON	101496985	bifunctional aspartokinase/homoserine dehydrogenase 1, chloroplastic-like
SNP_27137B_10676293	Ca_Kabuli_Chr06	NC_021165.1	10676293	GG	AA	AA	INTRON	101496985	bifunctional aspartokinase/homoserine dehydrogenase 1, chloroplastic-like
SNP_27138B_10677230	Ca_Kabuli_Chr06	NC_021165.1	10677230	CC	AA	AA	INTERGENIC		
SNP_27139B_10684551	Ca_Kabuli_Chr06	NC_021165.1	10684551	GG	AA	AA	INTERGENIC		
SNP_27140B_10685094	Ca_Kabuli_Chr06	NC_021165.1	10685094	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_27141B_10689297	Ca_Kabuli_Chr06	NC_021165.1	10689297	CC	AA	AA	INTERGENIC		
SNP_27142B_10689703	Ca_Kabuli_Chr06	NC_021165.1	10689703	AA	GG	GG	INTERGENIC		
SNP_27143B_10690622	Ca_Kabuli_Chr06	NC_021165.1	10690622	CC	TT	TT	INTERGENIC		
SNP_27144B_10700535	Ca_Kabuli_Chr06	NC_021165.1	10700535	CC	AA	AA	URR	101497972	probable receptor protein kinase TMK1
SNP_27146B_10700737	Ca_Kabuli_Chr06	NC_021165.1	10700737	AA	CC	CC	URR	101497972	probable receptor protein kinase TMK1
SNP_27147B_10700978	Ca_Kabuli_Chr06	NC_021165.1	10700978	CC	AA	AA	URR	101497972	probable receptor protein kinase TMK1
SNP_27148B_10701054	Ca_Kabuli_Chr06	NC_021165.1	10701054	TT	CC	CC	URR	101497972	probable receptor protein kinase TMK1
SNP_27149B_10701086	Ca_Kabuli_Chr06	NC_021165.1	10701086	TT	CC	CC	URR	101497972	probable receptor protein kinase TMK1
SNP_27150B_10701353	Ca_Kabuli_Chr06	NC_021165.1	10701353	TT	CC	CC	URR	101497972	probable receptor protein kinase TMK1
SNP_27151B_10707520	Ca_Kabuli_Chr06	NC_021165.1	10707520	TT	CC	CC	INTERGENIC		
SNP_27152B_10707534	Ca_Kabuli_Chr06	NC_021165.1	10707534	CC	TT	TT	INTERGENIC		
SNP_27154B_10748859	Ca_Kabuli_Chr06	NC_021165.1	10748859	AA	GG	GG	SYNONYMOUS_CODING	101499602	uncharacterized LOC101499602
SNP_27155B_10750843	Ca_Kabuli_Chr06	NC_021165.1	10750843	GG	AA	AA	URR	101499602	uncharacterized LOC101499602
SNP_27156B_10751176	Ca_Kabuli_Chr06	NC_021165.1	10751176	TT	AA	AA	URR	101499602	uncharacterized LOC101499602
SNP_27157B_10751209	Ca_Kabuli_Chr06	NC_021165.1	10751209	AA	TT	TT	URR	101499602	uncharacterized LOC101499602
SNP_27158B_10753535	Ca_Kabuli_Chr06	NC_021165.1	10753535	AA	GG	GG	INTERGENIC		
SNP_27159B_10822229	Ca_Kabuli_Chr06	NC_021165.1	10822229	AA	CC	CC	INTERGENIC		
SNP_27160B_10822423	Ca_Kabuli_Chr06	NC_021165.1	10822423	AA	CC	CC	INTERGENIC		
SNP_27162B_10875505	Ca_Kabuli_Chr06	NC_021165.1	10875505	GG	TT	TT	URR	101505900	nuclear transport factor 2-like
SNP_27163B_10930098	Ca_Kabuli_Chr06	NC_021165.1	10930098	GG	CC	CC	INTERGENIC		
SNP_27164B_10948462	Ca_Kabuli_Chr06	NC_021165.1	10948462	CC	TT	TT	INTERGENIC		
SNP_27165B_10948637	Ca_Kabuli_Chr06	NC_021165.1	10948637	GG	TT	TT	INTERGENIC		
SNP_27166B_10948679	Ca_Kabuli_Chr06	NC_021165.1	10948679	AA	GG	GG	INTERGENIC		
SNP_27167B_10948700	Ca_Kabuli_Chr06	NC_021165.1	10948700	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_27168B_10948719	Ca_Kabuli_Chr06	NC_021165.1	10948719	TT	CC	CC	INTERGENIC		
SNP_27169B_10953638	Ca_Kabuli_Chr06	NC_021165.1	10953638	AA	GG	GG	URR	101506013	probable inactive 2-oxoglutarate-dependent dioxygenase AOP2
SNP_27170B_10953640	Ca_Kabuli_Chr06	NC_021165.1	10953640	AA	TT	TT	URR	101506013	probable inactive 2-oxoglutarate-dependent dioxygenase AOP2
SNP_27172B_10998893	Ca_Kabuli_Chr06	NC_021165.1	10998893	TT	AA	AA	INTERGENIC		
SNP_27173B_10998894	Ca_Kabuli_Chr06	NC_021165.1	10998894	TT	AA	AA	INTERGENIC		
SNP_27174B_11039586	Ca_Kabuli_Chr06	NC_021165.1	11039586	TT	AA	AA	INTERGENIC		
SNP_27175B_11067513	Ca_Kabuli_Chr06	NC_021165.1	11067513	GG	CC	CC	INTERGENIC		
SNP_27176B_11140599	Ca_Kabuli_Chr06	NC_021165.1	11140599	GG	AA	AA	INTERGENIC		
SNP_27177B_11308949	Ca_Kabuli_Chr06	NC_021165.1	11308949	AA	CC	CC	DRR	101507620	BAHD acyltransferase At5g47980-like
SNP_27178B_11309088	Ca_Kabuli_Chr06	NC_021165.1	11309088	CC	AA	AA	DRR	101507620	BAHD acyltransferase At5g47980-like
SNP_27179B_11309346	Ca_Kabuli_Chr06	NC_021165.1	11309346	AA	TT	TT	DRR	101507620	BAHD acyltransferase At5g47980-like
SNP_27180B_11309834	Ca_Kabuli_Chr06	NC_021165.1	11309834	GG	TT	TT	DRR	101507620	BAHD acyltransferase At5g47980-like
SNP_27182B_11310383	Ca_Kabuli_Chr06	NC_021165.1	11310383	CC	AA	AA	DRR	101505146	pentatricopeptide repeat-containing protein At3g22470, mitochondrial-like
SNP_27183B_11310559	Ca_Kabuli_Chr06	NC_021165.1	11310559	AA	GG	GG	DRR	101505146	pentatricopeptide repeat-containing protein At3g22470, mitochondrial-like
SNP_27184B_11310568	Ca_Kabuli_Chr06	NC_021165.1	11310568	GG	AA	AA	DRR	101505146	pentatricopeptide repeat-containing protein At3g22470, mitochondrial-like
SNP_27185B_11310610	Ca_Kabuli_Chr06	NC_021165.1	11310610	TT	GG	GG	DRR	101505146	pentatricopeptide repeat-containing protein At3g22470, mitochondrial-like
SNP_27186B_11310654	Ca_Kabuli_Chr06	NC_021165.1	11310654	CC	GG	GG	DRR	101505146	pentatricopeptide repeat-containing protein At3g22470, mitochondrial-like
SNP_27187B_11310678	Ca_Kabuli_Chr06	NC_021165.1	11310678	TT	CC	CC	DRR	101505146	pentatricopeptide repeat-containing protein At3g22470, mitochondrial-like
SNP_27188B_11310736	Ca_Kabuli_Chr06	NC_021165.1	11310736	AA	GG	GG	DRR	101505146	pentatricopeptide repeat-containing protein At3g22470, mitochondrial-like
SNP_27189B_11310788	Ca_Kabuli_Chr06	NC_021165.1	11310788	TT	CC	CC	DRR	101505146	pentatricopeptide repeat-containing protein At3g22470, mitochondrial-like
SNP_27190B_11311012	Ca_Kabuli_Chr06	NC_021165.1	11311012	CC	TT	TT	URR	101507620	BAHD acyltransferase At5g47980-like
SNP_27191B_11311101	Ca_Kabuli_Chr06	NC_021165.1	11311101	TT	GG	GG	URR	101507620	BAHD acyltransferase At5g47980-like
SNP_27192B_11311154	Ca_Kabuli_Chr06	NC_021165.1	11311154	GG	AA	AA	URR	101507620	BAHD acyltransferase At5g47980-like
SNP_27193B_11311238	Ca_Kabuli_Chr06	NC_021165.1	11311238	CC	TT	TT	URR	101507620	BAHD acyltransferase At5g47980-like

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SNP_27194B_11311281	Ca_Kabuli_Chr06	NC_021165.1	11311281	TT	AA	AA	URR	101507620	BAHD acyltransferase At5g47980-like
SNP_27195B_11311282	Ca_Kabuli_Chr06	NC_021165.1	11311282	CC	AA	AA	URR	101507620	BAHD acyltransferase At5g47980-like
SNP_27196B_11311283	Ca_Kabuli_Chr06	NC_021165.1	11311283	AA	TT	TT	URR	101507620	BAHD acyltransferase At5g47980-like
SNP_27197B_11311304	Ca_Kabuli_Chr06	NC_021165.1	11311304	TT	CC	CC	URR	101507620	BAHD acyltransferase At5g47980-like
SNP_27198B_11311425	Ca_Kabuli_Chr06	NC_021165.1	11311425	TT	AA	AA	URR	101507620	BAHD acyltransferase At5g47980-like
SNP_27199B_11314339	Ca_Kabuli_Chr06	NC_021165.1	11314339	CC	GG	GG	SYNONYMOUS_CODING	101505146	pentatricopeptide repeat-containing protein At3g22470, mitochondrial-like
SNP_27200B_11315851	Ca_Kabuli_Chr06	NC_021165.1	11315851	TT	CC	CC	URR	101505146	pentatricopeptide repeat-containing protein At3g22470, mitochondrial-like
SNP_27201B_11315871	Ca_Kabuli_Chr06	NC_021165.1	11315871	AA	GG	GG	URR	101505146	pentatricopeptide repeat-containing protein At3g22470, mitochondrial-like
SNP_27203B_11316303	Ca_Kabuli_Chr06	NC_021165.1	11316303	GG	TT	TT	URR	101505146	pentatricopeptide repeat-containing protein At3g22470, mitochondrial-like
SNP_27204B_11316358	Ca_Kabuli_Chr06	NC_021165.1	11316358	AA	TT	TT	URR	101505146	pentatricopeptide repeat-containing protein At3g22470, mitochondrial-like
SNP_27205B_11316359	Ca_Kabuli_Chr06	NC_021165.1	11316359	TT	AA	AA	URR	101505146	pentatricopeptide repeat-containing protein At3g22470, mitochondrial-like
SNP_27206B_11363508	Ca_Kabuli_Chr06	NC_021165.1	11363508	TT	CC	CC	INTERGENIC		
SNP_27207B_11402701	Ca_Kabuli_Chr06	NC_021165.1	11402701	AA	TT	TT	URR	101510072	uncharacterized LOC101510072
SNP_27209B_11493187	Ca_Kabuli_Chr06	NC_021165.1	11493187	TT	GG	GG	INTERGENIC		
SNP_27210B_11513694	Ca_Kabuli_Chr06	NC_021165.1	11513694	GG	CC	CC	INTERGENIC		
SNP_27211B_11545886	Ca_Kabuli_Chr06	NC_021165.1	11545886	TT	CC	CC	INTERGENIC		
SNP_27212B_11545948	Ca_Kabuli_Chr06	NC_021165.1	11545948	GG	AA	AA	INTERGENIC		
SNP_27214B_11546338	Ca_Kabuli_Chr06	NC_021165.1	11546338	AA	CC	CC	INTERGENIC		
SNP_27216B_11546553	Ca_Kabuli_Chr06	NC_021165.1	11546553	AA	GG	GG	INTERGENIC		
SNP_27217B_11546598	Ca_Kabuli_Chr06	NC_021165.1	11546598	AA	TT	TT	INTERGENIC		
SNP_27218B_11546696	Ca_Kabuli_Chr06	NC_021165.1	11546696	AA	TT	TT	INTERGENIC		
SNP_27220B_11594736	Ca_Kabuli_Chr06	NC_021165.1	11594736	AA	GG	GG	INTERGENIC		
SNP_27221B_11595485	Ca_Kabuli_Chr06	NC_021165.1	11595485	TT	AA	AA	INTERGENIC		
SNP_27222B_11595486	Ca_Kabuli_Chr06	NC_021165.1	11595486	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_27223B_11600337	Ca_Kabuli_Chr06	NC_021165.1	11600337	AA	TT	TT	INTERGENIC		
SNP_27224B_11608173	Ca_Kabuli_Chr06	NC_021165.1	11608173	CC	GG	GG	NON_SYNONYMOUS_CODING	101488887	MATH domain and coiled-coil domain-containing protein At3g58410
SNP_27225B_11623452	Ca_Kabuli_Chr06	NC_021165.1	11623452	AA	GG	GG	INTERGENIC		
SNP_27227B_11649004	Ca_Kabuli_Chr06	NC_021165.1	11649004	AA	GG	GG	INTERGENIC		
SNP_27228B_11649937	Ca_Kabuli_Chr06	NC_021165.1	11649937	CC	TT	TT	DRR	101489534	40S ribosomal protein S5-like
SNP_27229B_11663388	Ca_Kabuli_Chr06	NC_021165.1	11663388	GG	AA	AA	INTERGENIC		
SNP_27230B_11669398	Ca_Kabuli_Chr06	NC_021165.1	11669398	CC	TT	TT	INTRON	101490188	protein FLOWERING LOCUS D
SNP_27231B_11671481	Ca_Kabuli_Chr06	NC_021165.1	11671481	TT	CC	CC	URR	101490188	protein FLOWERING LOCUS D
SNP_27232B_11671498	Ca_Kabuli_Chr06	NC_021165.1	11671498	TT	CC	CC	URR	101490188	protein FLOWERING LOCUS D
SNP_27233B_11677699	Ca_Kabuli_Chr06	NC_021165.1	11677699	GG	AA	AA	INTERGENIC		
SNP_27234B_11677757	Ca_Kabuli_Chr06	NC_021165.1	11677757	CC	GG	GG	INTERGENIC		
SNP_27235B_11677774	Ca_Kabuli_Chr06	NC_021165.1	11677774	GG	AA	AA	INTERGENIC		
SNP_27236B_11677828	Ca_Kabuli_Chr06	NC_021165.1	11677828	TT	CC	CC	INTERGENIC		
SNP_27237B_11678427	Ca_Kabuli_Chr06	NC_021165.1	11678427	TT	CC	CC	INTERGENIC		
SNP_27239B_11693413	Ca_Kabuli_Chr06	NC_021165.1	11693413	CC	TT	TT	INTERGENIC		
SNP_27240B_11696444	Ca_Kabuli_Chr06	NC_021165.1	11696444	AA	CC	CC	INTERGENIC		
SNP_27241B_11697697	Ca_Kabuli_Chr06	NC_021165.1	11697697	GG	AA	AA	INTERGENIC		
SNP_27242B_11700312	Ca_Kabuli_Chr06	NC_021165.1	11700312	AA	GG	GG	INTERGENIC		
SNP_27243B_11700329	Ca_Kabuli_Chr06	NC_021165.1	11700329	CC	AA	AA	INTERGENIC		
SNP_27244B_11700400	Ca_Kabuli_Chr06	NC_021165.1	11700400	AA	CC	CC	INTERGENIC		
SNP_27245B_11703234	Ca_Kabuli_Chr06	NC_021165.1	11703234	TT	CC	CC	URR	101492570	uncharacterized LOC101492570
SNP_27246B_11710399	Ca_Kabuli_Chr06	NC_021165.1	11710399	TT	CC	CC	INTERGENIC		
SNP_27247B_11719931	Ca_Kabuli_Chr06	NC_021165.1	11719931	AA	CC	CC	INTERGENIC		
SNP_27248B_11719959	Ca_Kabuli_Chr06	NC_021165.1	11719959	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_27249B_11719963	Ca_Kabuli_Chr06	NC_021165.1	11719963	GG	TT	TT	INTERGENIC		
SNP_27250B_11738329	Ca_Kabuli_Chr06	NC_021165.1	11738329	CC	TT	TT	INTERGENIC		
SNP_27251B_11738437	Ca_Kabuli_Chr06	NC_021165.1	11738437	GG	AA	AA	INTERGENIC		
SNP_27253B_11739289	Ca_Kabuli_Chr06	NC_021165.1	11739289	TT	AA	AA	INTERGENIC		
SNP_27255B_11739436	Ca_Kabuli_Chr06	NC_021165.1	11739436	GG	AA	AA	INTERGENIC		
SNP_27256B_11740875	Ca_Kabuli_Chr06	NC_021165.1	11740875	AA	GG	GG	INTERGENIC		
SNP_27259B_11755181	Ca_Kabuli_Chr06	NC_021165.1	11755181	TT	AA	AA	INTERGENIC		
SNP_27260B_11757481	Ca_Kabuli_Chr06	NC_021165.1	11757481	CC	TT	TT	INTERGENIC		
SNP_27262B_11762412	Ca_Kabuli_Chr06	NC_021165.1	11762412	GG	AA	AA	INTERGENIC		
SNP_27263B_11763052	Ca_Kabuli_Chr06	NC_021165.1	11763052	TT	CC	CC	INTERGENIC		
SNP_27264B_11763097	Ca_Kabuli_Chr06	NC_021165.1	11763097	TT	CC	CC	INTERGENIC		
SNP_27265B_11780043	Ca_Kabuli_Chr06	NC_021165.1	11780043	CC	TT	TT	INTERGENIC		
SNP_27266B_11781369	Ca_Kabuli_Chr06	NC_021165.1	11781369	CC	GG	GG	INTERGENIC		
SNP_27267B_11787933	Ca_Kabuli_Chr06	NC_021165.1	11787933	GG	TT	TT	INTERGENIC		
SNP_27268B_11791072	Ca_Kabuli_Chr06	NC_021165.1	11791072	CC	TT	TT	INTERGENIC		
SNP_27269B_11807697	Ca_Kabuli_Chr06	NC_021165.1	11807697	AA	GG	GG	INTERGENIC		
SNP_27270B_11812959	Ca_Kabuli_Chr06	NC_021165.1	11812959	AA	CC	CC	INTERGENIC		
SNP_27271B_11813076	Ca_Kabuli_Chr06	NC_021165.1	11813076	AA	TT	TT	INTERGENIC		
SNP_27272B_11813082	Ca_Kabuli_Chr06	NC_021165.1	11813082	TT	CC	CC	INTERGENIC		
SNP_27273B_11827685	Ca_Kabuli_Chr06	NC_021165.1	11827685	GG	AA	AA	INTERGENIC		
SNP_27274B_11839811	Ca_Kabuli_Chr06	NC_021165.1	11839811	TT	CC	CC	INTERGENIC		
SNP_27275B_11840071	Ca_Kabuli_Chr06	NC_021165.1	11840071	GG	AA	AA	INTERGENIC		
SNP_27276B_11840287	Ca_Kabuli_Chr06	NC_021165.1	11840287	CC	TT	TT	INTERGENIC		
SNP_27277B_11840373	Ca_Kabuli_Chr06	NC_021165.1	11840373	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_27278B_11840398	Ca_Kabuli_Chr06	NC_021165.1	11840398	TT	CC	CC	INTERGENIC		
SNP_27279B_11883892	Ca_Kabuli_Chr06	NC_021165.1	11883892	TT	AA	AA	INTERGENIC		
SNP_27280B_11883910	Ca_Kabuli_Chr06	NC_021165.1	11883910	AA	GG	GG	INTERGENIC		
SNP_27281B_11885274	Ca_Kabuli_Chr06	NC_021165.1	11885274	CC	AA	AA	INTERGENIC		
SNP_27282B_11969069	Ca_Kabuli_Chr06	NC_021165.1	11969069	TT	GG	GG	INTERGENIC		
SNP_27283B_11969089	Ca_Kabuli_Chr06	NC_021165.1	11969089	TT	CC	CC	INTERGENIC		
SNP_27284B_11969137	Ca_Kabuli_Chr06	NC_021165.1	11969137	AA	GG	GG	INTERGENIC		
SNP_27285B_11969224	Ca_Kabuli_Chr06	NC_021165.1	11969224	AA	GG	GG	INTERGENIC		
SNP_27286B_11969245	Ca_Kabuli_Chr06	NC_021165.1	11969245	AA	CC	CC	INTERGENIC		
SNP_27287B_11969256	Ca_Kabuli_Chr06	NC_021165.1	11969256	AA	GG	GG	INTERGENIC		
SNP_27289B_12089612	Ca_Kabuli_Chr06	NC_021165.1	12089612	TT	CC	CC	INTERGENIC		
SNP_27290B_12089707	Ca_Kabuli_Chr06	NC_021165.1	12089707	TT	CC	CC	INTERGENIC		
SNP_27291B_12090984	Ca_Kabuli_Chr06	NC_021165.1	12090984	AA	GG	GG	INTERGENIC		
SNP_27292B_12090997	Ca_Kabuli_Chr06	NC_021165.1	12090997	TT	CC	CC	INTERGENIC		
SNP_27293B_12091432	Ca_Kabuli_Chr06	NC_021165.1	12091432	AA	CC	CC	INTERGENIC		
SNP_27294B_12091466	Ca_Kabuli_Chr06	NC_021165.1	12091466	CC	TT	TT	INTERGENIC		
SNP_27295B_12109386	Ca_Kabuli_Chr06	NC_021165.1	12109386	CC	TT	TT	DRR	101496783	uncharacterized LOC101496783
SNP_27296B_12127257	Ca_Kabuli_Chr06	NC_021165.1	12127257	TT	AA	AA	INTERGENIC		
SNP_27297B_12127481	Ca_Kabuli_Chr06	NC_021165.1	12127481	GG	AA	AA	INTERGENIC		
SNP_27298B_12130313	Ca_Kabuli_Chr06	NC_021165.1	12130313	TT	CC	CC	INTERGENIC		
SNP_27300B_12236494	Ca_Kabuli_Chr06	NC_021165.1	12236494	TT	CC	CC	INTERGENIC		
SNP_27301B_12236535	Ca_Kabuli_Chr06	NC_021165.1	12236535	TT	CC	CC	INTERGENIC		
SNP_27302B_12236576	Ca_Kabuli_Chr06	NC_021165.1	12236576	TT	CC	CC	INTERGENIC		
SNP_27303B_12236595	Ca_Kabuli_Chr06	NC_021165.1	12236595	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_27304B_12238250	Ca_Kabuli_Chr06	NC_021165.1	12238250	GG	TT	TT	INTERGENIC		
SNP_27305B_12238253	Ca_Kabuli_Chr06	NC_021165.1	12238253	GG	AA	AA	INTERGENIC		
SNP_27306B_12238293	Ca_Kabuli_Chr06	NC_021165.1	12238293	GG	TT	TT	INTERGENIC		
SNP_27307B_12238386	Ca_Kabuli_Chr06	NC_021165.1	12238386	TT	AA	AA	INTERGENIC		
SNP_27308B_12251664	Ca_Kabuli_Chr06	NC_021165.1	12251664	GG	AA	AA	DRR	101497766	uncharacterized LOC101497766
SNP_27309B_12258959	Ca_Kabuli_Chr06	NC_021165.1	12258959	GG	AA	AA	INTERGENIC		
SNP_27310B_12258962	Ca_Kabuli_Chr06	NC_021165.1	12258962	CC	GG	GG	INTERGENIC		
SNP_27311B_12260137	Ca_Kabuli_Chr06	NC_021165.1	12260137	GG	AA	AA	INTERGENIC		
SNP_27312B_12260202	Ca_Kabuli_Chr06	NC_021165.1	12260202	AA	CC	CC	INTERGENIC		
SNP_27313B_12260205	Ca_Kabuli_Chr06	NC_021165.1	12260205	CC	TT	TT	INTERGENIC		
SNP_27314B_12334932	Ca_Kabuli_Chr06	NC_021165.1	12334932	CC	AA	AA	INTERGENIC		
SNP_27315B_12335042	Ca_Kabuli_Chr06	NC_021165.1	12335042	TT	CC	CC	INTERGENIC		
SNP_27317B_12335803	Ca_Kabuli_Chr06	NC_021165.1	12335803	AA	TT	TT	DRR	101494821	uncharacterized LOC101494821
SNP_27318B_12335969	Ca_Kabuli_Chr06	NC_021165.1	12335969	AA	GG	GG	DRR	101494821	uncharacterized LOC101494821
SNP_27319B_12529905	Ca_Kabuli_Chr06	NC_021165.1	12529905	TT	AA	AA	INTERGENIC		
SNP_27322B_12629176	Ca_Kabuli_Chr06	NC_021165.1	12629176	AA	GG	GG	INTERGENIC		
SNP_27323B_12734297	Ca_Kabuli_Chr06	NC_021165.1	12734297	GG	TT	TT	INTERGENIC		
SNP_27324B_12734470	Ca_Kabuli_Chr06	NC_021165.1	12734470	GG	AA	AA	INTERGENIC		
SNP_27325B_12753531	Ca_Kabuli_Chr06	NC_021165.1	12753531	GG	AA	AA	INTERGENIC		
SNP_27327B_12860510	Ca_Kabuli_Chr06	NC_021165.1	12860510	GG	TT	TT	INTERGENIC		
SNP_27328B_12860518	Ca_Kabuli_Chr06	NC_021165.1	12860518	CC	TT	TT	INTERGENIC		
SNP_27330B_12862085	Ca_Kabuli_Chr06	NC_021165.1	12862085	CC	TT	TT	INTERGENIC		
SNP_27333B_12871346	Ca_Kabuli_Chr06	NC_021165.1	12871346	AA	GG	GG	INTERGENIC		
SNP_27334B_12877206	Ca_Kabuli_Chr06	NC_021165.1	12877206	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_27335B_12877278	Ca_Kabuli_Chr06	NC_021165.1	12877278	GG	AA	AA	INTERGENIC		
SNP_27337B_12877357	Ca_Kabuli_Chr06	NC_021165.1	12877357	TT	CC	CC	INTERGENIC		
SNP_27338B_12877364	Ca_Kabuli_Chr06	NC_021165.1	12877364	CC	TT	TT	INTERGENIC		
SNP_27339B_12877529	Ca_Kabuli_Chr06	NC_021165.1	12877529	GG	AA	AA	INTERGENIC		
SNP_27340B_12882627	Ca_Kabuli_Chr06	NC_021165.1	12882627	GG	AA	AA	INTERGENIC		
SNP_27341B_12883303	Ca_Kabuli_Chr06	NC_021165.1	12883303	AA	GG	GG	DRR	101512095	uncharacterized LOC101512095
SNP_27342B_12887005	Ca_Kabuli_Chr06	NC_021165.1	12887005	TT	CC	CC	URR	101512095	uncharacterized LOC101512095
SNP_27343B_12887019	Ca_Kabuli_Chr06	NC_021165.1	12887019	CC	AA	AA	URR	101512095	uncharacterized LOC101512095
SNP_27344B_12887025	Ca_Kabuli_Chr06	NC_021165.1	12887025	GG	AA	AA	URR	101512095	uncharacterized LOC101512095
SNP_27345B_12887027	Ca_Kabuli_Chr06	NC_021165.1	12887027	CC	TT	TT	URR	101512095	uncharacterized LOC101512095
SNP_27346B_12887033	Ca_Kabuli_Chr06	NC_021165.1	12887033	AA	GG	GG	URR	101512095	uncharacterized LOC101512095
SNP_27347B_12887035	Ca_Kabuli_Chr06	NC_021165.1	12887035	TT	CC	CC	URR	101512095	uncharacterized LOC101512095
SNP_27348B_12887247	Ca_Kabuli_Chr06	NC_021165.1	12887247	CC	TT	TT	URR	101512095	uncharacterized LOC101512095
SNP_27350B_12890997	Ca_Kabuli_Chr06	NC_021165.1	12890997	CC	TT	TT	INTRON	101512427	uncharacterized protein PF07_0086-like
SNP_27351B_12891001	Ca_Kabuli_Chr06	NC_021165.1	12891001	GG	TT	TT	INTRON	101512427	uncharacterized protein PF07_0086-like
SNP_27352B_12891822	Ca_Kabuli_Chr06	NC_021165.1	12891822	AA	GG	GG	INTRON	101512427	uncharacterized protein PF07_0086-like
SNP_27353B_12892405	Ca_Kabuli_Chr06	NC_021165.1	12892405	TT	AA	AA	INTRON	101512427	uncharacterized protein PF07_0086-like
SNP_27354B_12896991	Ca_Kabuli_Chr06	NC_021165.1	12896991	CC	TT	TT	INTRON	101512427	uncharacterized protein PF07_0086-like
SNP_27355B_12898234	Ca_Kabuli_Chr06	NC_021165.1	12898234	CC	TT	TT	URR	101512427	uncharacterized protein PF07_0086-like
SNP_27358B_12923884	Ca_Kabuli_Chr06	NC_021165.1	12923884	GG	AA	AA	DRR	101513074	zinc finger protein 4-like
SNP_27359B_12924774	Ca_Kabuli_Chr06	NC_021165.1	12924774	CC	AA	AA	INTRON	101513074	zinc finger protein 4-like
SNP_27360B_12924971	Ca_Kabuli_Chr06	NC_021165.1	12924971	CC	TT	TT	INTRON	101513074	zinc finger protein 4-like
SNP_27361B_12929793	Ca_Kabuli_Chr06	NC_021165.1	12929793	TT	CC	CC	INTERGENIC		
SNP_27362B_12931262	Ca_Kabuli_Chr06	NC_021165.1	12931262	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_27365B_12933516	Ca_Kabuli_Chr06	NC_021165.1	12933516	TT	AA	AA	INTERGENIC		
SNP_27366B_12933772	Ca_Kabuli_Chr06	NC_021165.1	12933772	GG	CC	CC	INTERGENIC		
SNP_27367B_12940196	Ca_Kabuli_Chr06	NC_021165.1	12940196	GG	TT	TT	URR	101513400	protein OBERON 3
SNP_27369B_12945593	Ca_Kabuli_Chr06	NC_021165.1	12945593	GG	CC	CC	INTERGENIC		
SNP_27370B_12945859	Ca_Kabuli_Chr06	NC_021165.1	12945859	AA	GG	GG	INTERGENIC		
SNP_27371B_12945871	Ca_Kabuli_Chr06	NC_021165.1	12945871	GG	AA	AA	INTERGENIC		
SNP_27372B_12948544	Ca_Kabuli_Chr06	NC_021165.1	12948544	GG	TT	TT	INTERGENIC		
SNP_27373B_12954469	Ca_Kabuli_Chr06	NC_021165.1	12954469	GG	AA	AA	INTERGENIC		
SNP_27374B_12954538	Ca_Kabuli_Chr06	NC_021165.1	12954538	TT	CC	CC	INTERGENIC		
SNP_27375B_12956236	Ca_Kabuli_Chr06	NC_021165.1	12956236	CC	TT	TT	INTERGENIC		
SNP_27376B_12956242	Ca_Kabuli_Chr06	NC_021165.1	12956242	CC	TT	TT	INTERGENIC		
SNP_27377B_12957287	Ca_Kabuli_Chr06	NC_021165.1	12957287	CC	TT	TT	INTERGENIC		
SNP_27379B_12957998	Ca_Kabuli_Chr06	NC_021165.1	12957998	CC	GG	GG	DRR	101514050	probable xyloglucan endotransglucosylase/hydrolase protein 28
SNP_27380B_12964866	Ca_Kabuli_Chr06	NC_021165.1	12964866	AA	GG	GG	INTERGENIC		
SNP_27382B_12964960	Ca_Kabuli_Chr06	NC_021165.1	12964960	TT	AA	AA	INTERGENIC		
SNP_27383B_12965016	Ca_Kabuli_Chr06	NC_021165.1	12965016	CC	TT	TT	INTERGENIC		
SNP_27384B_12970474	Ca_Kabuli_Chr06	NC_021165.1	12970474	TT	CC	CC	INTRON	101514379	uncharacterized LOC101514379
SNP_27385B_12973198	Ca_Kabuli_Chr06	NC_021165.1	12973198	TT	CC	CC	INTRON	101514379	uncharacterized LOC101514379
SNP_27386B_12977856	Ca_Kabuli_Chr06	NC_021165.1	12977856	AA	TT	TT	DRR	101515785	purple acid phosphatase 7-like
SNP_27387B_12977919	Ca_Kabuli_Chr06	NC_021165.1	12977919	AA	TT	TT	DRR	101515785	purple acid phosphatase 7-like
SNP_27388B_12979484	Ca_Kabuli_Chr06	NC_021165.1	12979484	AA	GG	GG	INTERGENIC		
SNP_27389B_12979644	Ca_Kabuli_Chr06	NC_021165.1	12979644	AA	CC	CC	INTERGENIC		
SNP_27390B_12994031	Ca_Kabuli_Chr06	NC_021165.1	12994031	CC	TT	TT	INTRON	101488540	purple acid phosphatase 8
SNP_27391B_13007473	Ca_Kabuli_Chr06	NC_021165.1	13007473	AA	TT	TT	URR	101488888	type I inositol 1,4,5-trisphosphate 5-phosphatase CVP2

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_27392B_13016486	Ca_Kabuli_Chr06	NC_021165.1	13016486	CC	TT	TT	INTERGENIC		
SNP_27393B_13025452	Ca_Kabuli_Chr06	NC_021165.1	13025452	GG	AA	AA	INTERGENIC		
SNP_27394B_13029297	Ca_Kabuli_Chr06	NC_021165.1	13029297	CC	TT	TT	URR	101489854	pentatricopeptide repeat-containing protein At4g33170-like
SNP_27395B_13033270	Ca_Kabuli_Chr06	NC_021165.1	13033270	CC	TT	TT	INTERGENIC		
SNP_27396B_13033364	Ca_Kabuli_Chr06	NC_021165.1	13033364	TT	CC	CC	INTERGENIC		
SNP_27397B_13033578	Ca_Kabuli_Chr06	NC_021165.1	13033578	GG	AA	AA	INTERGENIC		
SNP_27398B_13033686	Ca_Kabuli_Chr06	NC_021165.1	13033686	CC	TT	TT	INTERGENIC		
SNP_27399B_13038549	Ca_Kabuli_Chr06	NC_021165.1	13038549	AA	TT	TT	SYNONYMOUS_CODING	101491469	protein SRG1-like
SNP_27403B_13246342	Ca_Kabuli_Chr06	NC_021165.1	13246342	GG	AA	AA	URR	101497638	zinc finger CCCH domain-containing protein 17
SNP_27404B_13247770	Ca_Kabuli_Chr06	NC_021165.1	13247770	TT	AA	AA	URR	101497638	zinc finger CCCH domain-containing protein 17
SNP_27406B_13285928	Ca_Kabuli_Chr06	NC_021165.1	13285928	AA	TT	TT	INTRON	101499404	V-type proton ATPase subunit F
SNP_27407B_13285953	Ca_Kabuli_Chr06	NC_021165.1	13285953	AA	CC	CC	INTRON	101499404	V-type proton ATPase subunit F
SNP_27408B_13326910	Ca_Kabuli_Chr06	NC_021165.1	13326910	CC	AA	AA	NON_SYNONYMOUS_CODING	101500244	uncharacterized LOC101500244
SNP_27410B_13468187	Ca_Kabuli_Chr06	NC_021165.1	13468187	CC	TT	TT	INTERGENIC		
SNP_27412B_13533952	Ca_Kabuli_Chr06	NC_021165.1	13533952	TT	CC	CC	URR	101507208	RING-H2 finger protein ATL73-like
SNP_27413B_13674889	Ca_Kabuli_Chr06	NC_021165.1	13674889	GG	CC	CC	INTERGENIC		
SNP_27415B_13839308	Ca_Kabuli_Chr06	NC_021165.1	13839308	AA	GG	GG	INTERGENIC		
SNP_27416B_14064489	Ca_Kabuli_Chr06	NC_021165.1	14064489	CC	TT	TT	INTERGENIC		
SNP_27417B_14084090	Ca_Kabuli_Chr06	NC_021165.1	14084090	TT	CC	CC	INTERGENIC		
SNP_27418B_14105408	Ca_Kabuli_Chr06	NC_021165.1	14105408	GG	AA	AA	DRR	101498967	uncharacterized LOC101498967
SNP_27419B_14274669	Ca_Kabuli_Chr06	NC_021165.1	14274669	TT	AA	AA	INTRON	101504619	polygalacturonase inhibitor 2-like
SNP_27420B_14398175	Ca_Kabuli_Chr06	NC_021165.1	14398175	CC	TT	TT	INTERGENIC		
SNP_27422B_14452356	Ca_Kabuli_Chr06	NC_021165.1	14452356	CC	AA	AA	INTERGENIC		
SNP_27423B_14455897	Ca_Kabuli_Chr06	NC_021165.1	14455897	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_27424B_14456106	Ca_Kabuli_Chr06	NC_021165.1	14456106	GG	TT	TT	INTERGENIC		
SNP_27425B_14456117	Ca_Kabuli_Chr06	NC_021165.1	14456117	CC	AA	AA	INTERGENIC		
SNP_27426B_14456128	Ca_Kabuli_Chr06	NC_021165.1	14456128	TT	GG	GG	INTERGENIC		
SNP_27427B_14456131	Ca_Kabuli_Chr06	NC_021165.1	14456131	GG	AA	AA	INTERGENIC		
SNP_27428B_14456179	Ca_Kabuli_Chr06	NC_021165.1	14456179	CC	TT	TT	INTERGENIC		
SNP_27429B_14456188	Ca_Kabuli_Chr06	NC_021165.1	14456188	AA	GG	GG	INTERGENIC		
SNP_27430B_14470388	Ca_Kabuli_Chr06	NC_021165.1	14470388	CC	TT	TT	INTERGENIC		
SNP_27431B_14470415	Ca_Kabuli_Chr06	NC_021165.1	14470415	CC	TT	TT	INTERGENIC		
SNP_27432B_14553476	Ca_Kabuli_Chr06	NC_021165.1	14553476	AA	TT	TT	INTERGENIC		
SNP_27433B_14553477	Ca_Kabuli_Chr06	NC_021165.1	14553477	TT	AA	AA	INTERGENIC		
SNP_27434B_14553671	Ca_Kabuli_Chr06	NC_021165.1	14553671	AA	GG	GG	INTERGENIC		
SNP_27435B_14554090	Ca_Kabuli_Chr06	NC_021165.1	14554090	CC	TT	TT	INTERGENIC		
SNP_27436B_14554109	Ca_Kabuli_Chr06	NC_021165.1	14554109	TT	GG	GG	INTERGENIC		
SNP_27437B_14633003	Ca_Kabuli_Chr06	NC_021165.1	14633003	TT	CC	CC	URR	101489976	beta-xylosidase/alpha-L-arabinofuranosidase 2
SNP_27438B_14641832	Ca_Kabuli_Chr06	NC_021165.1	14641832	CC	TT	TT	INTERGENIC		
SNP_27439B_14743747	Ca_Kabuli_Chr06	NC_021165.1	14743747	TT	CC	CC	DRR	101495028	copper transport protein ATX1-like
SNP_27440B_14755095	Ca_Kabuli_Chr06	NC_021165.1	14755095	CC	TT	TT	INTERGENIC		
SNP_27441B_14755507	Ca_Kabuli_Chr06	NC_021165.1	14755507	AA	TT	TT	INTERGENIC		
SNP_27443B_14792511	Ca_Kabuli_Chr06	NC_021165.1	14792511	GG	AA	AA	DRR	101497767	ubiquinol oxidase 2, mitochondrial-like
SNP_27444B_14804017	Ca_Kabuli_Chr06	NC_021165.1	14804017	TT	CC	CC	INTRON	101498303	alternative oxidase 3, mitochondrial-like
SNP_27445B_14918088	Ca_Kabuli_Chr06	NC_021165.1	14918088	TT	AA	AA	INTRON	101490081	ABC transporter G family member 11-like
SNP_27448B_15080363	Ca_Kabuli_Chr06	NC_021165.1	15080363	TT	GG	GG	INTERGENIC		
SNP_27449B_15080591	Ca_Kabuli_Chr06	NC_021165.1	15080591	CC	AA	AA	INTERGENIC		
SNP_27450B_15080732	Ca_Kabuli_Chr06	NC_021165.1	15080732	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_27451B_15083747	Ca_Kabuli_Chr06	NC_021165.1	15083747	GG	AA	AA	INTERGENIC		
SNP_27452B_15083819	Ca_Kabuli_Chr06	NC_021165.1	15083819	TT	CC	CC	INTERGENIC		
SNP_27453B_15083837	Ca_Kabuli_Chr06	NC_021165.1	15083837	TT	CC	CC	INTERGENIC		
SNP_27454B_15083839	Ca_Kabuli_Chr06	NC_021165.1	15083839	TT	GG	GG	INTERGENIC		
SNP_27455B_15083852	Ca_Kabuli_Chr06	NC_021165.1	15083852	CC	TT	TT	INTERGENIC		
SNP_27456B_15084070	Ca_Kabuli_Chr06	NC_021165.1	15084070	CC	TT	TT	INTERGENIC		
SNP_27457B_15260175	Ca_Kabuli_Chr06	NC_021165.1	15260175	TT	CC	CC	INTERGENIC		
SNP_27459B_15277709	Ca_Kabuli_Chr06	NC_021165.1	15277709	AA	CC	CC	INTERGENIC		
SNP_27460B_15415543	Ca_Kabuli_Chr06	NC_021165.1	15415543	CC	TT	TT	INTERGENIC		
SNP_27461B_15495023	Ca_Kabuli_Chr06	NC_021165.1	15495023	AA	GG	GG	INTERGENIC		
SNP_27462B_15501561	Ca_Kabuli_Chr06	NC_021165.1	15501561	AA	GG	GG	DRR	101502475	uncharacterized LOC101502475
SNP_27464B_15555549	Ca_Kabuli_Chr06	NC_021165.1	15555549	GG	AA	AA	URR	101494917	(3S,6E)-nerolidol synthase 1-like
SNP_27465B_15555553	Ca_Kabuli_Chr06	NC_021165.1	15555553	TT	CC	CC	URR	101494917	(3S,6E)-nerolidol synthase 1-like
SNP_27466B_15555582	Ca_Kabuli_Chr06	NC_021165.1	15555582	TT	AA	AA	URR	101494917	(3S,6E)-nerolidol synthase 1-like
SNP_27468B_15555869	Ca_Kabuli_Chr06	NC_021165.1	15555869	AA	GG	GG	INTERGENIC		
SNP_27469B_15559111	Ca_Kabuli_Chr06	NC_021165.1	15559111	AA	GG	GG	INTERGENIC		
SNP_27471B_15559178	Ca_Kabuli_Chr06	NC_021165.1	15559178	CC	TT	TT	INTERGENIC		
SNP_27472B_15562545	Ca_Kabuli_Chr06	NC_021165.1	15562545	TT	AA	AA	INTERGENIC		
SNP_27473B_15562582	Ca_Kabuli_Chr06	NC_021165.1	15562582	TT	CC	CC	INTERGENIC		
SNP_27474B_15562631	Ca_Kabuli_Chr06	NC_021165.1	15562631	GG	AA	AA	INTERGENIC		
SNP_27475B_15562679	Ca_Kabuli_Chr06	NC_021165.1	15562679	GG	AA	AA	INTERGENIC		
SNP_27476B_15562687	Ca_Kabuli_Chr06	NC_021165.1	15562687	GG	TT	TT	INTERGENIC		
SNP_27477B_15564424	Ca_Kabuli_Chr06	NC_021165.1	15564424	AA	GG	GG	INTERGENIC		
SNP_27478B_15564439	Ca_Kabuli_Chr06	NC_021165.1	15564439	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_27479B_15564537	Ca_Kabuli_Chr06	NC_021165.1	15564537	TT	CC	CC	INTERGENIC		
SNP_27480B_15564552	Ca_Kabuli_Chr06	NC_021165.1	15564552	GG	TT	TT	INTERGENIC		
SNP_27481B_15564557	Ca_Kabuli_Chr06	NC_021165.1	15564557	AA	TT	TT	INTERGENIC		
SNP_27482B_15564562	Ca_Kabuli_Chr06	NC_021165.1	15564562	CC	TT	TT	INTERGENIC		
SNP_27483B_15597921	Ca_Kabuli_Chr06	NC_021165.1	15597921	GG	AA	AA	URR	101503644	(3S,6E)-nerolidol synthase 1-like
SNP_27484B_15597960	Ca_Kabuli_Chr06	NC_021165.1	15597960	TT	AA	AA	URR	101503644	(3S,6E)-nerolidol synthase 1-like
SNP_27486B_15612607	Ca_Kabuli_Chr06	NC_021165.1	15612607	CC	GG	GG	INTERGENIC		
SNP_27487B_15612666	Ca_Kabuli_Chr06	NC_021165.1	15612666	AA	CC	CC	INTERGENIC		
SNP_27488B_15612690	Ca_Kabuli_Chr06	NC_021165.1	15612690	AA	GG	GG	INTERGENIC		
SNP_27489B_15612757	Ca_Kabuli_Chr06	NC_021165.1	15612757	TT	CC	CC	INTERGENIC		
SNP_27490B_15612920	Ca_Kabuli_Chr06	NC_021165.1	15612920	GG	AA	AA	INTERGENIC		
SNP_27491B_15613045	Ca_Kabuli_Chr06	NC_021165.1	15613045	AA	CC	CC	INTERGENIC		
SNP_27492B_15616037	Ca_Kabuli_Chr06	NC_021165.1	15616037	CC	AA	AA	INTERGENIC		
SNP_27493B_15657235	Ca_Kabuli_Chr06	NC_021165.1	15657235	AA	TT	GG	INTERGENIC		
SNP_27494B_15680659	Ca_Kabuli_Chr06	NC_021165.1	15680659	AA	GG	GG	INTERGENIC		
SNP_27495B_15680992	Ca_Kabuli_Chr06	NC_021165.1	15680992	AA	CC	CC	INTERGENIC		
SNP_27496B_15727060	Ca_Kabuli_Chr06	NC_021165.1	15727060	CC	AA	AA	INTERGENIC		
SNP_27497B_15727213	Ca_Kabuli_Chr06	NC_021165.1	15727213	AA	GG	GG	INTERGENIC		
SNP_27499B_15729637	Ca_Kabuli_Chr06	NC_021165.1	15729637	TT	CC	CC	INTERGENIC		
SNP_27500B_15730611	Ca_Kabuli_Chr06	NC_021165.1	15730611	TT	AA	AA	INTERGENIC		
SNP_27502B_15730726	Ca_Kabuli_Chr06	NC_021165.1	15730726	GG	CC	CC	INTERGENIC		
SNP_27503B_15730751	Ca_Kabuli_Chr06	NC_021165.1	15730751	TT	GG	GG	INTERGENIC		
SNP_27504B_15730794	Ca_Kabuli_Chr06	NC_021165.1	15730794	CC	TT	TT	INTERGENIC		
SNP_27506B_15730858	Ca_Kabuli_Chr06	NC_021165.1	15730858	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_27507B_15730874	Ca_Kabuli_Chr06	NC_021165.1	15730874	CC	AA	AA	INTERGENIC		
SNP_27508B_15730935	Ca_Kabuli_Chr06	NC_021165.1	15730935	AA	TT	TT	INTERGENIC		
SNP_27509B_15730980	Ca_Kabuli_Chr06	NC_021165.1	15730980	AA	GG	GG	INTERGENIC		
SNP_27510B_15731043	Ca_Kabuli_Chr06	NC_021165.1	15731043	TT	AA	AA	INTERGENIC		
SNP_27512B_15731068	Ca_Kabuli_Chr06	NC_021165.1	15731068	AA	TT	TT	INTERGENIC		
SNP_27513B_15731077	Ca_Kabuli_Chr06	NC_021165.1	15731077	CC	GG	GG	INTERGENIC		
SNP_27514B_15731112	Ca_Kabuli_Chr06	NC_021165.1	15731112	CC	TT	TT	INTERGENIC		
SNP_27515B_15731119	Ca_Kabuli_Chr06	NC_021165.1	15731119	CC	TT	TT	INTERGENIC		
SNP_27516B_15731304	Ca_Kabuli_Chr06	NC_021165.1	15731304	GG	TT	TT	INTERGENIC		
SNP_27517B_15731305	Ca_Kabuli_Chr06	NC_021165.1	15731305	GG	AA	AA	INTERGENIC		
SNP_27518B_15731332	Ca_Kabuli_Chr06	NC_021165.1	15731332	CC	TT	TT	INTERGENIC		
SNP_27519B_15731348	Ca_Kabuli_Chr06	NC_021165.1	15731348	GG	TT	TT	INTERGENIC		
SNP_27520B_15731354	Ca_Kabuli_Chr06	NC_021165.1	15731354	CC	TT	TT	INTERGENIC		
SNP_27521B_15731381	Ca_Kabuli_Chr06	NC_021165.1	15731381	TT	CC	CC	INTERGENIC		
SNP_27522B_15731385	Ca_Kabuli_Chr06	NC_021165.1	15731385	CC	TT	TT	INTERGENIC		
SNP_27523B_15733545	Ca_Kabuli_Chr06	NC_021165.1	15733545	TT	CC	CC	INTERGENIC		
SNP_27524B_15826128	Ca_Kabuli_Chr06	NC_021165.1	15826128	CC	AA	AA	DRR	101499804	uncharacterized LOC101499804
SNP_27525B_15826129	Ca_Kabuli_Chr06	NC_021165.1	15826129	TT	GG	GG	DRR	101499804	uncharacterized LOC101499804
SNP_27526B_15867441	Ca_Kabuli_Chr06	NC_021165.1	15867441	TT	CC	CC	DRR	101500770	myb-related protein 308-like
SNP_27529B_15982024	Ca_Kabuli_Chr06	NC_021165.1	15982024	AA	TT	TT	INTRON	101505147	cannabidiolic acid synthase-like
SNP_27530B_15982085	Ca_Kabuli_Chr06	NC_021165.1	15982085	GG	CC	CC	INTRON	101505147	cannabidiolic acid synthase-like
SNP_27531B_15990884	Ca_Kabuli_Chr06	NC_021165.1	15990884	AA	TT	TT	NON_SYNONYMOUS_CODING	101505463	reticuline oxidase-like protein
SNP_27532B_15990958	Ca_Kabuli_Chr06	NC_021165.1	15990958	TT	CC	CC	SYNONYMOUS_CODING	101505463	reticuline oxidase-like protein
SNP_27533B_15991143	Ca_Kabuli_Chr06	NC_021165.1	15991143	TT	GG	GG	NON_SYNONYMOUS_CODING	101505463	reticuline oxidase-like protein

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_27534B_15991147	Ca_Kabuli_Chr06	NC_021165.1	15991147	AA	GG	GG	SYNONYMOUS_CODING	101505463	reticuline oxidase-like protein
SNP_27535B_15991154	Ca_Kabuli_Chr06	NC_021165.1	15991154	GG	CC	CC	NON_SYNONYMOUS_CODING	101505463	reticuline oxidase-like protein
SNP_27536B_15991177	Ca_Kabuli_Chr06	NC_021165.1	15991177	CC	TT	TT	SYNONYMOUS_CODING	101505463	reticuline oxidase-like protein
SNP_27537B_15991239	Ca_Kabuli_Chr06	NC_021165.1	15991239	TT	CC	CC	NON_SYNONYMOUS_CODING	101505463	reticuline oxidase-like protein
SNP_27538B_15991354	Ca_Kabuli_Chr06	NC_021165.1	15991354	GG	CC	CC	SYNONYMOUS_CODING	101505463	reticuline oxidase-like protein
SNP_27539B_15991357	Ca_Kabuli_Chr06	NC_021165.1	15991357	TT	GG	GG	SYNONYMOUS_CODING	101505463	reticuline oxidase-like protein
SNP_27540B_15991762	Ca_Kabuli_Chr06	NC_021165.1	15991762	TT	GG	GG	SYNONYMOUS_CODING	101505463	reticuline oxidase-like protein
SNP_27541B_15991775	Ca_Kabuli_Chr06	NC_021165.1	15991775	GG	AA	AA	NON_SYNONYMOUS_CODING	101505463	reticuline oxidase-like protein
SNP_27542B_15993358	Ca_Kabuli_Chr06	NC_021165.1	15993358	TT	CC	CC	URR	101505463	reticuline oxidase-like protein
SNP_27543B_15993473	Ca_Kabuli_Chr06	NC_021165.1	15993473	CC	AA	AA	URR	101505463	reticuline oxidase-like protein
SNP_27544B_15993526	Ca_Kabuli_Chr06	NC_021165.1	15993526	GG	AA	AA	URR	101505463	reticuline oxidase-like protein
SNP_27545B_15993746	Ca_Kabuli_Chr06	NC_021165.1	15993746	GG	CC	CC	URR	101505463	reticuline oxidase-like protein
SNP_27547B_15999992	Ca_Kabuli_Chr06	NC_021165.1	15999992	CC	AA	AA	INTERGENIC		
SNP_27548B_16010494	Ca_Kabuli_Chr06	NC_021165.1	16010494	TT	AA	AA	INTERGENIC		
SNP_27549B_16010535	Ca_Kabuli_Chr06	NC_021165.1	16010535	AA	TT	TT	INTERGENIC		
SNP_27550B_16010641	Ca_Kabuli_Chr06	NC_021165.1	16010641	GG	TT	TT	DRR	101490627	reticuline oxidase-like protein
SNP_27551B_16010649	Ca_Kabuli_Chr06	NC_021165.1	16010649	TT	AA	AA	DRR	101490627	reticuline oxidase-like protein
SNP_27552B_16010743	Ca_Kabuli_Chr06	NC_021165.1	16010743	AA	GG	GG	DRR	101490627	reticuline oxidase-like protein
SNP_27553B_16010796	Ca_Kabuli_Chr06	NC_021165.1	16010796	AA	GG	GG	DRR	101490627	reticuline oxidase-like protein
SNP_27554B_16010801	Ca_Kabuli_Chr06	NC_021165.1	16010801	GG	CC	CC	DRR	101490627	reticuline oxidase-like protein
SNP_27555B_16010859	Ca_Kabuli_Chr06	NC_021165.1	16010859	CC	TT	TT	DRR	101490627	reticuline oxidase-like protein
SNP_27556B_16010924	Ca_Kabuli_Chr06	NC_021165.1	16010924	TT	CC	CC	DRR	101490627	reticuline oxidase-like protein
SNP_27557B_16011070	Ca_Kabuli_Chr06	NC_021165.1	16011070	TT	AA	AA	DRR	101490627	reticuline oxidase-like protein
SNP_27559B_16013267	Ca_Kabuli_Chr06	NC_021165.1	16013267	AA	GG	GG	INTRON	101490627	reticuline oxidase-like protein

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_27560B_16013527	Ca_Kabuli_Chr06	NC_021165.1	16013527	TT	GG	GG	INTRON	101490627	reticuline oxidase-like protein
SNP_27561B_16018267	Ca_Kabuli_Chr06	NC_021165.1	16018267	GG	AA	AA	DRR	101490952	tetrahydrocannabinolic acid synthase-like
SNP_27562B_16018421	Ca_Kabuli_Chr06	NC_021165.1	16018421	CC	GG	GG	DRR	101490952	tetrahydrocannabinolic acid synthase-like
SNP_27563B_16019074	Ca_Kabuli_Chr06	NC_021165.1	16019074	TT	CC	CC	DRR	101490952	tetrahydrocannabinolic acid synthase-like
SNP_27564B_16019119	Ca_Kabuli_Chr06	NC_021165.1	16019119	TT	CC	CC	DRR	101490952	tetrahydrocannabinolic acid synthase-like
SNP_27565B_16019517	Ca_Kabuli_Chr06	NC_021165.1	16019517	TT	GG	GG	URR	101490627	reticuline oxidase-like protein
SNP_27566B_16019685	Ca_Kabuli_Chr06	NC_021165.1	16019685	AA	GG	GG	URR	101490627	reticuline oxidase-like protein
SNP_27567B_16019735	Ca_Kabuli_Chr06	NC_021165.1	16019735	TT	CC	CC	URR	101490627	reticuline oxidase-like protein
SNP_27568B_16020114	Ca_Kabuli_Chr06	NC_021165.1	16020114	GG	TT	TT	URR	101490627	reticuline oxidase-like protein
SNP_27569B_16020535	Ca_Kabuli_Chr06	NC_021165.1	16020535	GG	AA	AA	URR	101490627	reticuline oxidase-like protein
SNP_27570B_16063301	Ca_Kabuli_Chr06	NC_021165.1	16063301	AA	CC	CC	INTERGENIC		
SNP_27571B_16063323	Ca_Kabuli_Chr06	NC_021165.1	16063323	TT	GG	GG	INTERGENIC		
SNP_27573B_16098354	Ca_Kabuli_Chr06	NC_021165.1	16098354	TT	CC	CC	INTERGENIC		
SNP_27574B_16143744	Ca_Kabuli_Chr06	NC_021165.1	16143744	CC	TT	TT	INTERGENIC		
SNP_27575B_16181607	Ca_Kabuli_Chr06	NC_021165.1	16181607	TT	CC	CC	DRR	101510074	uncharacterized LOC101510074
SNP_27576B_16271150	Ca_Kabuli_Chr06	NC_021165.1	16271150	AA	GG	GG	INTERGENIC		
SNP_27577B_16414994	Ca_Kabuli_Chr06	NC_021165.1	16414994	GG	AA	AA	DRR	101515787	serine carboxypeptidase-like 31
SNP_27578B_16425951	Ca_Kabuli_Chr06	NC_021165.1	16425951	TT	AA	AA	INTERGENIC		
SNP_27579B_16425952	Ca_Kabuli_Chr06	NC_021165.1	16425952	CC	TT	TT	INTERGENIC		
SNP_27580B_16426245	Ca_Kabuli_Chr06	NC_021165.1	16426245	AA	CC	CC	INTERGENIC		
SNP_27581B_16426262	Ca_Kabuli_Chr06	NC_021165.1	16426262	GG	AA	AA	INTERGENIC		
SNP_27582B_16426350	Ca_Kabuli_Chr06	NC_021165.1	16426350	AA	GG	GG	INTERGENIC		
SNP_27583B_16428132	Ca_Kabuli_Chr06	NC_021165.1	16428132	AA	GG	GG	DRR	101494822	Unknown function
SNP_27584B_16428134	Ca_Kabuli_Chr06	NC_021165.1	16428134	AA	CC	CC	DRR	101494822	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_27585B_16428164	Ca_Kabuli_Chr06	NC_021165.1	16428164	AA	GG	GG	DRR	101494822	Unknown function
SNP_27586B_16428202	Ca_Kabuli_Chr06	NC_021165.1	16428202	TT	CC	CC	DRR	101494822	Unknown function
SNP_27587B_16428260	Ca_Kabuli_Chr06	NC_021165.1	16428260	CC	TT	TT	DRR	101494822	Unknown function
SNP_27588B_16428412	Ca_Kabuli_Chr06	NC_021165.1	16428412	TT	CC	CC	INTERGENIC		
SNP_27589B_16428450	Ca_Kabuli_Chr06	NC_021165.1	16428450	TT	CC	CC	INTERGENIC		
SNP_27590B_16442764	Ca_Kabuli_Chr06	NC_021165.1	16442764	TT	AA	AA	INTERGENIC		
SNP_27591B_16442766	Ca_Kabuli_Chr06	NC_021165.1	16442766	TT	CC	CC	INTERGENIC		
SNP_27592B_16476550	Ca_Kabuli_Chr06	NC_021165.1	16476550	TT	CC	CC	INTERGENIC		
SNP_27594B_16600012	Ca_Kabuli_Chr06	NC_021165.1	16600012	GG	AA	AA	INTERGENIC		
SNP_27595B_16600116	Ca_Kabuli_Chr06	NC_021165.1	16600116	AA	CC	CC	INTERGENIC		
SNP_27596B_16600321	Ca_Kabuli_Chr06	NC_021165.1	16600321	TT	CC	CC	INTERGENIC		
SNP_27597B_16660294	Ca_Kabuli_Chr06	NC_021165.1	16660294	TT	CC	CC	NON_SYNONYMOUS_CODING	101501202	mediator of RNA polymerase II transcription subunit 16-like
SNP_27598B_16718268	Ca_Kabuli_Chr06	NC_021165.1	16718268	GG	AA	AA	INTRON	101503544	uncharacterized LOC101503544
SNP_27600B_16762133	Ca_Kabuli_Chr06	NC_021165.1	16762133	GG	AA	AA	INTERGENIC		
SNP_27601B_16805517	Ca_Kabuli_Chr06	NC_021165.1	16805517	CC	AA	AA	INTERGENIC		
SNP_27602B_16822042	Ca_Kabuli_Chr06	NC_021165.1	16822042	TT	CC	CC	INTRON	101507840	uncharacterized LOC101507840
SNP_27603B_16822056	Ca_Kabuli_Chr06	NC_021165.1	16822056	CC	TT	TT	INTRON	101507840	uncharacterized LOC101507840
SNP_27604B_16822351	Ca_Kabuli_Chr06	NC_021165.1	16822351	AA	GG	GG	INTRON	101507840	uncharacterized LOC101507840
SNP_27605B_16822485	Ca_Kabuli_Chr06	NC_021165.1	16822485	AA	GG	GG	INTRON	101507840	uncharacterized LOC101507840
SNP_27606B_16825742	Ca_Kabuli_Chr06	NC_021165.1	16825742	GG	AA	AA	INTERGENIC		
SNP_27607B_16833327	Ca_Kabuli_Chr06	NC_021165.1	16833327	CC	TT	TT	INTERGENIC		
SNP_27608B_16853048	Ca_Kabuli_Chr06	NC_021165.1	16853048	TT	CC	CC	INTERGENIC		
SNP_27609B_16904194	Ca_Kabuli_Chr06	NC_021165.1	16904194	TT	CC	CC	INTERGENIC		
SNP_27610B_16917124	Ca_Kabuli_Chr06	NC_021165.1	16917124	AA	CC	CC	URR	101496014	VQ motif-containing protein 4-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_27611B_16931756	Ca_Kabuli_Chr06	NC_021165.1	16931756	CC	AA	AA	INTERGENIC		
SNP_27612B_16942627	Ca_Kabuli_Chr06	NC_021165.1	16942627	AA	GG	GG	INTERGENIC		
SNP_27613B_16962131	Ca_Kabuli_Chr06	NC_021165.1	16962131	AA	GG	GG	INTERGENIC		
SNP_27614B_16962132	Ca_Kabuli_Chr06	NC_021165.1	16962132	CC	AA	AA	INTERGENIC		
SNP_27615B_16962134	Ca_Kabuli_Chr06	NC_021165.1	16962134	AA	GG	GG	INTERGENIC		
SNP_27616B_16983559	Ca_Kabuli_Chr06	NC_021165.1	16983559	AA	GG	GG	INTERGENIC		
SNP_27617B_16983560	Ca_Kabuli_Chr06	NC_021165.1	16983560	CC	GG	AA	INTERGENIC		
SNP_27618B_16983612	Ca_Kabuli_Chr06	NC_021165.1	16983612	TT	AA	AA	INTERGENIC		
SNP_27619B_16991797	Ca_Kabuli_Chr06	NC_021165.1	16991797	CC	TT	TT	INTRON	101497316	triosephosphate isomerase, cytosolic-like
SNP_27620B_16994573	Ca_Kabuli_Chr06	NC_021165.1	16994573	CC	TT	TT	URR	101497316	triosephosphate isomerase, cytosolic-like
SNP_27621B_16995428	Ca_Kabuli_Chr06	NC_021165.1	16995428	AA	GG	GG	URR	101497316	triosephosphate isomerase, cytosolic-like
SNP_27622B_16996537	Ca_Kabuli_Chr06	NC_021165.1	16996537	AA	GG	GG	INTERGENIC		
SNP_27623B_16998274	Ca_Kabuli_Chr06	NC_021165.1	16998274	TT	CC	CC	INTERGENIC		
SNP_27624B_16998528	Ca_Kabuli_Chr06	NC_021165.1	16998528	AA	GG	GG	INTERGENIC		
SNP_27625B_17018941	Ca_Kabuli_Chr06	NC_021165.1	17018941	CC	AA	AA	INTERGENIC		
SNP_27627B_17040063	Ca_Kabuli_Chr06	NC_021165.1	17040063	AA	CC	CC	INTERGENIC		
SNP_27628B_17042020	Ca_Kabuli_Chr06	NC_021165.1	17042020	AA	TT	TT	INTERGENIC		
SNP_27629B_17042226	Ca_Kabuli_Chr06	NC_021165.1	17042226	GG	AA	AA	INTERGENIC		
SNP_27631B_17043858	Ca_Kabuli_Chr06	NC_021165.1	17043858	GG	TT	TT	INTERGENIC		
SNP_27633B_17058377	Ca_Kabuli_Chr06	NC_021165.1	17058377	CC	TT	TT	INTERGENIC		
SNP_27634B_17064869	Ca_Kabuli_Chr06	NC_021165.1	17064869	GG	CC	CC	INTERGENIC		
SNP_27635B_17064879	Ca_Kabuli_Chr06	NC_021165.1	17064879	GG	TT	TT	INTERGENIC		
SNP_27636B_17065290	Ca_Kabuli_Chr06	NC_021165.1	17065290	GG	AA	AA	INTERGENIC		
SNP_27637B_17069704	Ca_Kabuli_Chr06	NC_021165.1	17069704	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_27638B_17069735	Ca_Kabuli_Chr06	NC_021165.1	17069735	CC	TT	TT	INTERGENIC		
SNP_27639B_17070121	Ca_Kabuli_Chr06	NC_021165.1	17070121	AA	GG	GG	INTERGENIC		
SNP_27640B_17070135	Ca_Kabuli_Chr06	NC_021165.1	17070135	TT	CC	CC	INTERGENIC		
SNP_27641B_17070244	Ca_Kabuli_Chr06	NC_021165.1	17070244	CC	TT	TT	INTERGENIC		
SNP_27642B_17070268	Ca_Kabuli_Chr06	NC_021165.1	17070268	TT	CC	CC	INTERGENIC		
SNP_27643B_17070296	Ca_Kabuli_Chr06	NC_021165.1	17070296	CC	TT	TT	INTERGENIC		
SNP_27644B_17070898	Ca_Kabuli_Chr06	NC_021165.1	17070898	GG	AA	AA	INTERGENIC		
SNP_27645B_17072611	Ca_Kabuli_Chr06	NC_021165.1	17072611	CC	TT	TT	INTERGENIC		
SNP_27646B_17072615	Ca_Kabuli_Chr06	NC_021165.1	17072615	TT	CC	CC	INTERGENIC		
SNP_27647B_17072623	Ca_Kabuli_Chr06	NC_021165.1	17072623	AA	CC	CC	INTERGENIC		
SNP_27648B_17072641	Ca_Kabuli_Chr06	NC_021165.1	17072641	AA	GG	GG	INTERGENIC		
SNP_27649B_17072679	Ca_Kabuli_Chr06	NC_021165.1	17072679	AA	CC	CC	INTERGENIC		
SNP_27650B_17072755	Ca_Kabuli_Chr06	NC_021165.1	17072755	GG	AA	AA	INTERGENIC		
SNP_27651B_17072818	Ca_Kabuli_Chr06	NC_021165.1	17072818	CC	GG	GG	INTERGENIC		
SNP_27652B_17076918	Ca_Kabuli_Chr06	NC_021165.1	17076918	AA	GG	GG	INTERGENIC		
SNP_27654B_17083155	Ca_Kabuli_Chr06	NC_021165.1	17083155	TT	CC	CC	DRR	101512968	squamosa promoter-binding protein 1
SNP_27655B_17083178	Ca_Kabuli_Chr06	NC_021165.1	17083178	AA	TT	TT	DRR	101512968	squamosa promoter-binding protein 1
SNP_27656B_17084193	Ca_Kabuli_Chr06	NC_021165.1	17084193	CC	TT	TT	INTRON	101512968	squamosa promoter-binding protein 1
SNP_27657B_17084194	Ca_Kabuli_Chr06	NC_021165.1	17084194	TT	CC	CC	INTRON	101512968	squamosa promoter-binding protein 1
SNP_27658B_17084399	Ca_Kabuli_Chr06	NC_021165.1	17084399	TT	GG	GG	INTRON	101512968	squamosa promoter-binding protein 1
SNP_27659B_17084457	Ca_Kabuli_Chr06	NC_021165.1	17084457	GG	AA	AA	INTRON	101512968	squamosa promoter-binding protein 1
SNP_27661B_17085969	Ca_Kabuli_Chr06	NC_021165.1	17085969	TT	CC	CC	INTRON	101512968	squamosa promoter-binding protein 1
SNP_27662B_17088823	Ca_Kabuli_Chr06	NC_021165.1	17088823	TT	AA	AA	INTERGENIC		
SNP_27663B_17088848	Ca_Kabuli_Chr06	NC_021165.1	17088848	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_27665B_17093541	Ca_Kabuli_Chr06	NC_021165.1	17093541	AA	TT	TT	INTRON	101513295	mitochondrial arginine transporter BAC1
SNP_27666B_17097289	Ca_Kabuli_Chr06	NC_021165.1	17097289	AA	GG	GG	URR	101513295	mitochondrial arginine transporter BAC1
SNP_27667B_17097314	Ca_Kabuli_Chr06	NC_021165.1	17097314	GG	AA	AA	URR	101513295	mitochondrial arginine transporter BAC1
SNP_27668B_17098562	Ca_Kabuli_Chr06	NC_021165.1	17098562	CC	TT	TT	INTERGENIC		
SNP_27669B_17100912	Ca_Kabuli_Chr06	NC_021165.1	17100912	AA	TT	TT	INTERGENIC		
SNP_27670B_17102000	Ca_Kabuli_Chr06	NC_021165.1	17102000	TT	AA	AA	INTERGENIC		
SNP_27671B_17102283	Ca_Kabuli_Chr06	NC_021165.1	17102283	AA	GG	GG	INTERGENIC		
SNP_27672B_17103776	Ca_Kabuli_Chr06	NC_021165.1	17103776	AA	GG	GG	INTERGENIC		
SNP_27673B_17104327	Ca_Kabuli_Chr06	NC_021165.1	17104327	TT	GG	GG	INTERGENIC		
SNP_27674B_17104758	Ca_Kabuli_Chr06	NC_021165.1	17104758	GG	TT	TT	INTERGENIC		
SNP_27675B_17104796	Ca_Kabuli_Chr06	NC_021165.1	17104796	GG	AA	AA	INTERGENIC		
SNP_27676B_17106034	Ca_Kabuli_Chr06	NC_021165.1	17106034	TT	CC	CC	INTERGENIC		
SNP_27677B_17110851	Ca_Kabuli_Chr06	NC_021165.1	17110851	AA	TT	TT	INTERGENIC		
SNP_27678B_17111106	Ca_Kabuli_Chr06	NC_021165.1	17111106	TT	GG	GG	INTERGENIC		
SNP_27679B_17114720	Ca_Kabuli_Chr06	NC_021165.1	17114720	CC	TT	TT	INTERGENIC		
SNP_27680B_17115067	Ca_Kabuli_Chr06	NC_021165.1	17115067	TT	CC	CC	INTERGENIC		
SNP_27681B_17117857	Ca_Kabuli_Chr06	NC_021165.1	17117857	AA	GG	GG	INTRON	101513620	putative E3 ubiquitin-protein ligase RING1a
SNP_27682B_17128648	Ca_Kabuli_Chr06	NC_021165.1	17128648	TT	GG	GG	INTERGENIC		
SNP_27683B_17129574	Ca_Kabuli_Chr06	NC_021165.1	17129574	AA	GG	GG	INTERGENIC		
SNP_27684B_17138292	Ca_Kabuli_Chr06	NC_021165.1	17138292	GG	AA	AA	INTERGENIC		
SNP_27685B_17139082	Ca_Kabuli_Chr06	NC_021165.1	17139082	TT	CC	CC	DRR	101514283	MACPF domain-containing protein NSL1
SNP_27686B_17139126	Ca_Kabuli_Chr06	NC_021165.1	17139126	CC	TT	TT	DRR	101514283	MACPF domain-containing protein NSL1
SNP_27687B_17182775	Ca_Kabuli_Chr06	NC_021165.1	17182775	TT	CC	CC	INTERGENIC		
SNP_27688B_17392285	Ca_Kabuli_Chr06	NC_021165.1	17392285	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_27689B_17412366	Ca_Kabuli_Chr06	NC_021165.1	17412366	CC	GG	GG	INTERGENIC		
SNP_27690B_17423474	Ca_Kabuli_Chr06	NC_021165.1	17423474	TT	CC	CC	INTERGENIC		
SNP_27691B_17461206	Ca_Kabuli_Chr06	NC_021165.1	17461206	TT	AA	AA	INTERGENIC		
SNP_27692B_17489718	Ca_Kabuli_Chr06	NC_021165.1	17489718	TT	CC	CC	INTERGENIC		
SNP_27694B_17503324	Ca_Kabuli_Chr06	NC_021165.1	17503324	GG	AA	AA	INTERGENIC		
SNP_27695B_17511515	Ca_Kabuli_Chr06	NC_021165.1	17511515	CC	TT	TT	INTERGENIC		
SNP_27696B_17511744	Ca_Kabuli_Chr06	NC_021165.1	17511744	AA	GG	GG	INTERGENIC		
SNP_27697B_17521712	Ca_Kabuli_Chr06	NC_021165.1	17521712	CC	TT	TT	INTERGENIC		
SNP_27698B_17614020	Ca_Kabuli_Chr06	NC_021165.1	17614020	CC	TT	TT	INTERGENIC		
SNP_27699B_17752007	Ca_Kabuli_Chr06	NC_021165.1	17752007	TT	CC	CC	INTRON	101507315	cysteine synthase, chloroplastic/chromoplastic
SNP_27700B_17753138	Ca_Kabuli_Chr06	NC_021165.1	17753138	TT	GG	GG	INTRON	101507315	cysteine synthase, chloroplastic/chromoplastic
SNP_27701B_17859016	Ca_Kabuli_Chr06	NC_021165.1	17859016	GG	CC	CC	INTRON	101511250	eukaryotic translation initiation factor 2A
SNP_27703B_17993605	Ca_Kabuli_Chr06	NC_021165.1	17993605	CC	AA	AA	INTERGENIC		
SNP_27704B_17993613	Ca_Kabuli_Chr06	NC_021165.1	17993613	TT	CC	CC	INTERGENIC		
SNP_27705B_17993642	Ca_Kabuli_Chr06	NC_021165.1	17993642	CC	AA	AA	INTERGENIC		
SNP_27706B_17993649	Ca_Kabuli_Chr06	NC_021165.1	17993649	CC	AA	AA	INTERGENIC		
SNP_27707B_17994499	Ca_Kabuli_Chr06	NC_021165.1	17994499	GG	AA	AA	INTERGENIC		
SNP_27708B_17994880	Ca_Kabuli_Chr06	NC_021165.1	17994880	AA	TT	TT	INTERGENIC		
SNP_27709B_18013466	Ca_Kabuli_Chr06	NC_021165.1	18013466	TT	AA	AA	INTERGENIC		
SNP_27710B_18080452	Ca_Kabuli_Chr06	NC_021165.1	18080452	TT	CC	CC	INTERGENIC		
SNP_27711B_18156653	Ca_Kabuli_Chr06	NC_021165.1	18156653	GG	AA	AA	DRR	101495358	probable carboxylesterase 12
SNP_27712B_18178351	Ca_Kabuli_Chr06	NC_021165.1	18178351	GG	AA	AA	INTERGENIC		
SNP_27713B_18179128	Ca_Kabuli_Chr06	NC_021165.1	18179128	AA	TT	TT	INTERGENIC		
SNP_27714B_18204531	Ca_Kabuli_Chr06	NC_021165.1	18204531	CC	TT	TT	URR	101410573	transfer RNA threonine (anticodon UGU)

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_27716B_18333424	Ca_Kabuli_Chr06	NC_021165.1	18333424	GG	CC	CC	URR	101500873	abscisic acid 8'-hydroxylase 4-like
SNP_27717B_18343651	Ca_Kabuli_Chr06	NC_021165.1	18343651	CC	TT	TT	SYNONYMOUS_CODING	101503093	uncharacterized LOC101503093
SNP_27718B_18355516	Ca_Kabuli_Chr06	NC_021165.1	18355516	CC	TT	TT	INTERGENIC		
SNP_27719B_18355544	Ca_Kabuli_Chr06	NC_021165.1	18355544	CC	TT	TT	INTERGENIC		
SNP_27720B_18355765	Ca_Kabuli_Chr06	NC_021165.1	18355765	CC	TT	TT	INTERGENIC		
SNP_27721B_18355771	Ca_Kabuli_Chr06	NC_021165.1	18355771	AA	TT	TT	INTERGENIC		
SNP_27722B_18355834	Ca_Kabuli_Chr06	NC_021165.1	18355834	TT	CC	CC	INTERGENIC		
SNP_27723B_18429085	Ca_Kabuli_Chr06	NC_021165.1	18429085	GG	AA	AA	INTERGENIC		
SNP_27724B_18503743	Ca_Kabuli_Chr06	NC_021165.1	18503743	TT	AA	AA	DRR	101506445	PI-PLC X domain-containing protein At5g67130
SNP_27725B_18535694	Ca_Kabuli_Chr06	NC_021165.1	18535694	GG	TT	TT	INTERGENIC		
SNP_27726B_18571148	Ca_Kabuli_Chr06	NC_021165.1	18571148	TT	AA	AA	INTERGENIC		
SNP_27727B_18575315	Ca_Kabuli_Chr06	NC_021165.1	18575315	TT	GG	GG	INTERGENIC		
SNP_27728B_18594555	Ca_Kabuli_Chr06	NC_021165.1	18594555	TT	GG	GG	INTRON	101504396	Unknown function
SNP_27729B_18594576	Ca_Kabuli_Chr06	NC_021165.1	18594576	GG	TT	TT	INTRON	101504396	Unknown function
SNP_27730B_18601335	Ca_Kabuli_Chr06	NC_021165.1	18601335	TT	CC	CC	URR	101504396	Unknown function
SNP_27731B_18603043	Ca_Kabuli_Chr06	NC_021165.1	18603043	AA	GG	GG	URR	101504715	uncharacterized LOC101504715
SNP_27732B_18617680	Ca_Kabuli_Chr06	NC_021165.1	18617680	TT	CC	CC	INTERGENIC		
SNP_27733B_18622249	Ca_Kabuli_Chr06	NC_021165.1	18622249	GG	AA	AA	INTERGENIC		
SNP_27734B_18699452	Ca_Kabuli_Chr06	NC_021165.1	18699452	AA	TT	TT	INTERGENIC		
SNP_27736B_18872108	Ca_Kabuli_Chr06	NC_021165.1	18872108	GG	AA	AA	INTERGENIC		
SNP_27737B_18933037	Ca_Kabuli_Chr06	NC_021165.1	18933037	GG	AA	AA	DRR	101490509	SEC12-like protein 2
SNP_27738B_18946162	Ca_Kabuli_Chr06	NC_021165.1	18946162	GG	CC	CC	INTRON	101491059	probable sulfate transporter 3.3
SNP_27739B_19121663	Ca_Kabuli_Chr06	NC_021165.1	19121663	AA	GG	GG	URR	101497213	sulfiredoxin, chloroplastic/mitochondrial
SNP_27740B_19194297	Ca_Kabuli_Chr06	NC_021165.1	19194297	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_27741B_19245362	Ca_Kabuli_Chr06	NC_021165.1	19245362	CC	TT	TT	DRR	101503422	cytochrome c6, chloroplastic
SNP_27742B_19277024	Ca_Kabuli_Chr06	NC_021165.1	19277024	CC	TT	TT	INTERGENIC		
SNP_27743B_19285689	Ca_Kabuli_Chr06	NC_021165.1	19285689	AA	GG	GG	INTERGENIC		
SNP_27744B_19340108	Ca_Kabuli_Chr06	NC_021165.1	19340108	TT	GG	GG	INTERGENIC		
SNP_27745B_19496143	Ca_Kabuli_Chr06	NC_021165.1	19496143	AA	TT	TT	URR	101512229	pyruvate kinase, cytosolic isozyme
SNP_27747B_19670306	Ca_Kabuli_Chr06	NC_021165.1	19670306	GG	AA	AA	INTRON	101490630	beta-glucosidase 40-like
SNP_27748B_19751290	Ca_Kabuli_Chr06	NC_021165.1	19751290	CC	TT	TT	URR	101494394	anthocyanidin 5,3-O-glucosyltransferase
SNP_27749B_20493921	Ca_Kabuli_Chr06	NC_021165.1	20493921	GG	AA	AA	INTERGENIC		
SNP_27750B_20494040	Ca_Kabuli_Chr06	NC_021165.1	20494040	AA	GG	GG	INTERGENIC		
SNP_27751B_20494183	Ca_Kabuli_Chr06	NC_021165.1	20494183	GG	AA	AA	INTERGENIC		
SNP_27752B_20494467	Ca_Kabuli_Chr06	NC_021165.1	20494467	TT	CC	CC	INTERGENIC		
SNP_27753B_20551417	Ca_Kabuli_Chr06	NC_021165.1	20551417	CC	TT	TT	INTERGENIC		
SNP_27754B_20582839	Ca_Kabuli_Chr06	NC_021165.1	20582839	TT	AA	AA	INTERGENIC		
SNP_27756B_20711633	Ca_Kabuli_Chr06	NC_021165.1	20711633	TT	AA	AA	INTERGENIC		
SNP_27757B_20711635	Ca_Kabuli_Chr06	NC_021165.1	20711635	TT	AA	AA	INTERGENIC		
SNP_27758B_20716105	Ca_Kabuli_Chr06	NC_021165.1	20716105	CC	TT	TT	INTRON	101514054	dihydroflavonol-4-reductase
SNP_27759B_20745747	Ca_Kabuli_Chr06	NC_021165.1	20745747	AA	GG	GG	INTERGENIC		
SNP_27760B_20840473	Ca_Kabuli_Chr06	NC_021165.1	20840473	AA	CC	CC	URR	101490956	Unknown function
SNP_27761B_20866847	Ca_Kabuli_Chr06	NC_021165.1	20866847	AA	GG	GG	SYNONYMOUS_CODING	101502679	uncharacterized LOC101502679
SNP_27762B_20867251	Ca_Kabuli_Chr06	NC_021165.1	20867251	CC	GG	GG	NON_SYNONYMOUS_CODING	101502679	uncharacterized LOC101502679
SNP_27763B_20915126	Ca_Kabuli_Chr06	NC_021165.1	20915126	AA	GG	GG	INTERGENIC		
SNP_27764B_20984311	Ca_Kabuli_Chr06	NC_021165.1	20984311	CC	TT	TT	INTRON	101502991	long-chain-alcohol oxidase FAO1-like
SNP_27765B_20990611	Ca_Kabuli_Chr06	NC_021165.1	20990611	GG	TT	TT	INTERGENIC		
SNP_27766B_20993269	Ca_Kabuli_Chr06	NC_021165.1	20993269	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_27768B_21021717	Ca_Kabuli_Chr06	NC_021165.1	21021717	AA	GG	GG	INTERGENIC		
SNP_27770B_21134225	Ca_Kabuli_Chr06	NC_021165.1	21134225	TT	CC	CC	INTERGENIC		
SNP_27771B_21134231	Ca_Kabuli_Chr06	NC_021165.1	21134231	AA	CC	CC	INTERGENIC		
SNP_27773B_21141069	Ca_Kabuli_Chr06	NC_021165.1	21141069	AA	TT	TT	URR	101504716	uncharacterized LOC101504716
SNP_27774B_21141490	Ca_Kabuli_Chr06	NC_021165.1	21141490	CC	TT	TT	URR	101504716	uncharacterized LOC101504716
SNP_27775B_21141520	Ca_Kabuli_Chr06	NC_021165.1	21141520	CC	GG	GG	URR	101504716	uncharacterized LOC101504716
SNP_27776B_21141532	Ca_Kabuli_Chr06	NC_021165.1	21141532	CC	TT	TT	URR	101504716	uncharacterized LOC101504716
SNP_27778B_21141919	Ca_Kabuli_Chr06	NC_021165.1	21141919	CC	TT	TT	INTERGENIC		
SNP_27779B_21146755	Ca_Kabuli_Chr06	NC_021165.1	21146755	AA	GG	GG	INTERGENIC		
SNP_27780B_21146764	Ca_Kabuli_Chr06	NC_021165.1	21146764	CC	GG	GG	INTERGENIC		
SNP_27781B_21147107	Ca_Kabuli_Chr06	NC_021165.1	21147107	GG	AA	AA	INTERGENIC		
SNP_27782B_21147125	Ca_Kabuli_Chr06	NC_021165.1	21147125	TT	CC	CC	INTERGENIC		
SNP_27783B_21147134	Ca_Kabuli_Chr06	NC_021165.1	21147134	GG	AA	AA	INTERGENIC		
SNP_27784B_21147137	Ca_Kabuli_Chr06	NC_021165.1	21147137	TT	GG	GG	INTERGENIC		
SNP_27785B_21151300	Ca_Kabuli_Chr06	NC_021165.1	21151300	AA	GG	GG	INTERGENIC		
SNP_27786B_21153912	Ca_Kabuli_Chr06	NC_021165.1	21153912	GG	AA	AA	INTERGENIC		
SNP_27787B_21154155	Ca_Kabuli_Chr06	NC_021165.1	21154155	GG	AA	AA	INTERGENIC		
SNP_27788B_21154161	Ca_Kabuli_Chr06	NC_021165.1	21154161	CC	TT	TT	INTERGENIC		
SNP_27789B_21154584	Ca_Kabuli_Chr06	NC_021165.1	21154584	TT	CC	CC	INTERGENIC		
SNP_27790B_21154748	Ca_Kabuli_Chr06	NC_021165.1	21154748	TT	CC	CC	INTERGENIC		
SNP_27791B_21154777	Ca_Kabuli_Chr06	NC_021165.1	21154777	AA	GG	GG	INTERGENIC		
SNP_27792B_21154790	Ca_Kabuli_Chr06	NC_021165.1	21154790	CC	TT	TT	INTERGENIC		
SNP_27793B_21155164	Ca_Kabuli_Chr06	NC_021165.1	21155164	TT	CC	CC	INTERGENIC		
SNP_27794B_21259637	Ca_Kabuli_Chr06	NC_021165.1	21259637	AA	TT	TT	URR	101509104	uncharacterized LOC101509104

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_27795B_21260628	Ca_Kabuli_Chr06	NC_021165.1	21260628	CC	TT	TT	INTERGENIC		
SNP_27796B_21261810	Ca_Kabuli_Chr06	NC_021165.1	21261810	TT	GG	GG	INTERGENIC		
SNP_27797B_21353727	Ca_Kabuli_Chr06	NC_021165.1	21353727	TT	CC	CC	NON_SYNONYMOUS_CODING	101489445	serine/threonine-protein phosphatase 7 long form homolog
SNP_27798B_21353806	Ca_Kabuli_Chr06	NC_021165.1	21353806	GG	TT	TT	NON_SYNONYMOUS_CODING	101489445	serine/threonine-protein phosphatase 7 long form homolog
SNP_27799B_21355932	Ca_Kabuli_Chr06	NC_021165.1	21355932	GG	AA	AA	URR	101489445	serine/threonine-protein phosphatase 7 long form homolog
SNP_27800B_21397357	Ca_Kabuli_Chr06	NC_021165.1	21397357	AA	TT	TT	URR	101513404	uncharacterized LOC101513404
SNP_27801B_21397524	Ca_Kabuli_Chr06	NC_021165.1	21397524	TT	AA	AA	URR	101513404	uncharacterized LOC101513404
SNP_27802B_21397589	Ca_Kabuli_Chr06	NC_021165.1	21397589	AA	TT	TT	URR	101513404	uncharacterized LOC101513404
SNP_27803B_21400766	Ca_Kabuli_Chr06	NC_021165.1	21400766	AA	GG	GG	INTERGENIC		
SNP_27804B_21400914	Ca_Kabuli_Chr06	NC_021165.1	21400914	CC	TT	TT	INTERGENIC		
SNP_27805B_21401149	Ca_Kabuli_Chr06	NC_021165.1	21401149	TT	CC	CC	INTERGENIC		
SNP_27806B_21401225	Ca_Kabuli_Chr06	NC_021165.1	21401225	GG	AA	AA	INTERGENIC		
SNP_27807B_21401248	Ca_Kabuli_Chr06	NC_021165.1	21401248	AA	GG	GG	INTERGENIC		
SNP_27809B_21401577	Ca_Kabuli_Chr06	NC_021165.1	21401577	GG	AA	AA	INTERGENIC		
SNP_27810B_21401656	Ca_Kabuli_Chr06	NC_021165.1	21401656	CC	TT	TT	INTERGENIC		
SNP_27811B_21401815	Ca_Kabuli_Chr06	NC_021165.1	21401815	GG	AA	AA	INTERGENIC		
SNP_27813B_21461317	Ca_Kabuli_Chr06	NC_021165.1	21461317	GG	TT	TT	INTERGENIC		
SNP_27815B_21481389	Ca_Kabuli_Chr06	NC_021165.1	21481389	GG	TT	TT	INTERGENIC		
SNP_27816B_21485207	Ca_Kabuli_Chr06	NC_021165.1	21485207	CC	TT	TT	INTERGENIC		
SNP_27817B_21485249	Ca_Kabuli_Chr06	NC_021165.1	21485249	CC	AA	AA	INTERGENIC		
SNP_27818B_21485363	Ca_Kabuli_Chr06	NC_021165.1	21485363	GG	AA	AA	INTERGENIC		
SNP_27819B_21485391	Ca_Kabuli_Chr06	NC_021165.1	21485391	AA	TT	TT	INTERGENIC		
SNP_27820B_21485502	Ca_Kabuli_Chr06	NC_021165.1	21485502	TT	CC	CC	INTERGENIC		
SNP_27821B_21485530	Ca_Kabuli_Chr06	NC_021165.1	21485530	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_27823B_21485610	Ca_Kabuli_Chr06	NC_021165.1	21485610	GG	AA	AA	INTERGENIC		
SNP_27824B_21485656	Ca_Kabuli_Chr06	NC_021165.1	21485656	TT	GG	GG	INTERGENIC		
SNP_27826B_21522993	Ca_Kabuli_Chr06	NC_021165.1	21522993	GG	AA	AA	INTERGENIC		
SNP_27827B_21523008	Ca_Kabuli_Chr06	NC_021165.1	21523008	GG	AA	AA	INTERGENIC		
SNP_27828B_21523277	Ca_Kabuli_Chr06	NC_021165.1	21523277	GG	AA	AA	INTERGENIC		
SNP_27829B_21523301	Ca_Kabuli_Chr06	NC_021165.1	21523301	GG	AA	AA	INTERGENIC		
SNP_27830B_21523310	Ca_Kabuli_Chr06	NC_021165.1	21523310	GG	AA	AA	INTERGENIC		
SNP_27831B_21523337	Ca_Kabuli_Chr06	NC_021165.1	21523337	GG	AA	AA	INTERGENIC		
SNP_27832B_21523379	Ca_Kabuli_Chr06	NC_021165.1	21523379	AA	TT	TT	INTERGENIC		
SNP_27833B_21523409	Ca_Kabuli_Chr06	NC_021165.1	21523409	TT	CC	CC	INTERGENIC		
SNP_27834B_21523772	Ca_Kabuli_Chr06	NC_021165.1	21523772	TT	CC	CC	INTERGENIC		
SNP_27836B_21524058	Ca_Kabuli_Chr06	NC_021165.1	21524058	AA	GG	GG	INTERGENIC		
SNP_27837B_21524070	Ca_Kabuli_Chr06	NC_021165.1	21524070	GG	AA	AA	INTERGENIC		
SNP_27838B_21524108	Ca_Kabuli_Chr06	NC_021165.1	21524108	TT	AA	AA	INTERGENIC		
SNP_27839B_21524134	Ca_Kabuli_Chr06	NC_021165.1	21524134	CC	TT	TT	INTERGENIC		
SNP_27840B_21524187	Ca_Kabuli_Chr06	NC_021165.1	21524187	GG	AA	AA	INTERGENIC		
SNP_27841B_21530732	Ca_Kabuli_Chr06	NC_021165.1	21530732	CC	TT	TT	INTERGENIC		
SNP_27842B_21530779	Ca_Kabuli_Chr06	NC_021165.1	21530779	GG	AA	AA	INTERGENIC		
SNP_27843B_21530926	Ca_Kabuli_Chr06	NC_021165.1	21530926	TT	CC	CC	INTERGENIC		
SNP_27844B_21620815	Ca_Kabuli_Chr06	NC_021165.1	21620815	GG	TT	TT	INTRON	101497544	trans-resveratrol di-O-methyltransferase-like
SNP_27845B_21620816	Ca_Kabuli_Chr06	NC_021165.1	21620816	CC	GG	GG	INTRON	101497544	trans-resveratrol di-O-methyltransferase-like
SNP_27846B_21634205	Ca_Kabuli_Chr06	NC_021165.1	21634205	AA	GG	GG	INTERGENIC		
SNP_27847B_21697946	Ca_Kabuli_Chr06	NC_021165.1	21697946	TT	CC	CC	DRR	101498191	uncharacterized LOC101498191
SNP_27849B_21773418	Ca_Kabuli_Chr06	NC_021165.1	21773418	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_27850B_21777722	Ca_Kabuli_Chr06	NC_021165.1	21777722	AA	TT	TT	URR	101502158	ethylene-responsive transcription factor 9
SNP_27852B_21779163	Ca_Kabuli_Chr06	NC_021165.1	21779163	TT	CC	CC	URR	101502158	ethylene-responsive transcription factor 9
SNP_27853B_21779191	Ca_Kabuli_Chr06	NC_021165.1	21779191	AA	GG	GG	URR	101502158	ethylene-responsive transcription factor 9
SNP_27854B_21779194	Ca_Kabuli_Chr06	NC_021165.1	21779194	TT	AA	AA	URR	101502158	ethylene-responsive transcription factor 9
SNP_27855B_21782797	Ca_Kabuli_Chr06	NC_021165.1	21782797	AA	GG	GG	INTERGENIC		
SNP_27856B_21793888	Ca_Kabuli_Chr06	NC_021165.1	21793888	TT	AA	AA	INTERGENIC		
SNP_27857B_21793901	Ca_Kabuli_Chr06	NC_021165.1	21793901	TT	AA	AA	INTERGENIC		
SNP_27858B_21793920	Ca_Kabuli_Chr06	NC_021165.1	21793920	GG	AA	AA	INTERGENIC		
SNP_27859B_21795210	Ca_Kabuli_Chr06	NC_021165.1	21795210	AA	CC	CC	INTERGENIC		
SNP_27861B_21803812	Ca_Kabuli_Chr06	NC_021165.1	21803812	CC	TT	TT	INTERGENIC		
SNP_27862B_21805483	Ca_Kabuli_Chr06	NC_021165.1	21805483	CC	TT	TT	INTERGENIC		
SNP_27863B_21822449	Ca_Kabuli_Chr06	NC_021165.1	21822449	TT	CC	CC	INTERGENIC		
SNP_27864B_21822458	Ca_Kabuli_Chr06	NC_021165.1	21822458	TT	GG	GG	INTERGENIC		
SNP_27865B_21822597	Ca_Kabuli_Chr06	NC_021165.1	21822597	AA	GG	GG	INTERGENIC		
SNP_27866B_21822824	Ca_Kabuli_Chr06	NC_021165.1	21822824	GG	TT	TT	INTERGENIC		
SNP_27867B_21822978	Ca_Kabuli_Chr06	NC_021165.1	21822978	AA	GG	GG	INTERGENIC		
SNP_27868B_21822991	Ca_Kabuli_Chr06	NC_021165.1	21822991	TT	CC	CC	INTERGENIC		
SNP_27869B_21823034	Ca_Kabuli_Chr06	NC_021165.1	21823034	GG	TT	TT	INTERGENIC		
SNP_27870B_21849679	Ca_Kabuli_Chr06	NC_021165.1	21849679	GG	AA	AA	INTERGENIC		
SNP_27871B_21881581	Ca_Kabuli_Chr06	NC_021165.1	21881581	GG	AA	AA	URR	101504717	transmembrane E3 ubiquitin-protein ligase 1-like
SNP_27874B_21942206	Ca_Kabuli_Chr06	NC_021165.1	21942206	GG	AA	AA	INTERGENIC		
SNP_27875B_21952623	Ca_Kabuli_Chr06	NC_021165.1	21952623	TT	CC	CC	INTERGENIC		
SNP_27876B_21994167	Ca_Kabuli_Chr06	NC_021165.1	21994167	AA	GG	GG	INTERGENIC		
SNP_27877B_21994168	Ca_Kabuli_Chr06	NC_021165.1	21994168	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_27878B_21994469	Ca_Kabuli_Chr06	NC_021165.1	21994469	GG	AA	AA	INTERGENIC		
SNP_27879B_22099385	Ca_Kabuli_Chr06	NC_021165.1	22099385	TT	CC	CC	INTERGENIC		
SNP_27881B_22099758	Ca_Kabuli_Chr06	NC_021165.1	22099758	TT	CC	CC	INTERGENIC		
SNP_27886B_22152243	Ca_Kabuli_Chr06	NC_021165.1	22152243	TT	CC	CC	INTERGENIC		
SNP_27887B_22197194	Ca_Kabuli_Chr06	NC_021165.1	22197194	CC	AA	AA	URR	101488448	probable arabinosyltransferase ARAD1
SNP_27888B_22231737	Ca_Kabuli_Chr06	NC_021165.1	22231737	AA	TT	TT	INTRON	101490510	transcription factor-like protein DPB
SNP_27889B_22248763	Ca_Kabuli_Chr06	NC_021165.1	22248763	TT	CC	CC	DRR	101491375	scarecrow-like protein 4
SNP_27890B_22285519	Ca_Kabuli_Chr06	NC_021165.1	22285519	AA	TT	TT	DRR	101492671	protein EXPORTIN 1A
SNP_27891B_22285520	Ca_Kabuli_Chr06	NC_021165.1	22285520	AA	TT	TT	DRR	101492671	protein EXPORTIN 1A
SNP_27892B_22285521	Ca_Kabuli_Chr06	NC_021165.1	22285521	AA	TT	TT	DRR	101492671	protein EXPORTIN 1A
SNP_27893B_22285522	Ca_Kabuli_Chr06	NC_021165.1	22285522	AA	TT	TT	DRR	101492671	protein EXPORTIN 1A
SNP_27894B_22320396	Ca_Kabuli_Chr06	NC_021165.1	22320396	TT	CC	CC	INTERGENIC		
SNP_27895B_22320417	Ca_Kabuli_Chr06	NC_021165.1	22320417	CC	TT	TT	INTERGENIC		
SNP_27896B_22320565	Ca_Kabuli_Chr06	NC_021165.1	22320565	AA	TT	TT	INTERGENIC		
SNP_27897B_22322954	Ca_Kabuli_Chr06	NC_021165.1	22322954	TT	CC	CC	INTERGENIC		
SNP_27898B_22323045	Ca_Kabuli_Chr06	NC_021165.1	22323045	TT	AA	AA	INTERGENIC		
SNP_27899B_22337728	Ca_Kabuli_Chr06	NC_021165.1	22337728	AA	CC	CC	URR	101493975	uncharacterized LOC101493975
SNP_27900B_22391741	Ca_Kabuli_Chr06	NC_021165.1	22391741	TT	AA	AA	URR	101495902	isoflavone 2'-hydroxylase-like
SNP_27901B_22419025	Ca_Kabuli_Chr06	NC_021165.1	22419025	AA	TT	TT	INTERGENIC		
SNP_27902B_22419073	Ca_Kabuli_Chr06	NC_021165.1	22419073	AA	GG	GG	INTERGENIC		
SNP_27903B_22419413	Ca_Kabuli_Chr06	NC_021165.1	22419413	CC	TT	TT	INTERGENIC		
SNP_27904B_22419483	Ca_Kabuli_Chr06	NC_021165.1	22419483	AA	GG	GG	INTERGENIC		
SNP_27905B_22443618	Ca_Kabuli_Chr06	NC_021165.1	22443618	TT	CC	CC	INTERGENIC		
SNP_27906B_22464326	Ca_Kabuli_Chr06	NC_021165.1	22464326	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_27907B_22464676	Ca_Kabuli_Chr06	NC_021165.1	22464676	CC	TT	TT	INTERGENIC		
SNP_27908B_22859127	Ca_Kabuli_Chr06	NC_021165.1	22859127	CC	TT	TT	INTERGENIC		
SNP_27909B_22859442	Ca_Kabuli_Chr06	NC_021165.1	22859442	CC	TT	TT	INTERGENIC		
SNP_27910B_22898696	Ca_Kabuli_Chr06	NC_021165.1	22898696	CC	TT	TT	INTERGENIC		
SNP_27912B_23038994	Ca_Kabuli_Chr06	NC_021165.1	23038994	TT	CC	CC	INTERGENIC		
SNP_27913B_23039901	Ca_Kabuli_Chr06	NC_021165.1	23039901	TT	AA	AA	INTERGENIC		
SNP_27914B_23039925	Ca_Kabuli_Chr06	NC_021165.1	23039925	AA	TT	TT	INTERGENIC		
SNP_27915B_23039955	Ca_Kabuli_Chr06	NC_021165.1	23039955	AA	GG	GG	INTERGENIC		
SNP_27916B_23039956	Ca_Kabuli_Chr06	NC_021165.1	23039956	GG	CC	CC	INTERGENIC		
SNP_27917B_23039961	Ca_Kabuli_Chr06	NC_021165.1	23039961	CC	TT	TT	INTERGENIC		
SNP_27918B_23040091	Ca_Kabuli_Chr06	NC_021165.1	23040091	TT	CC	CC	INTERGENIC		
SNP_27919B_23040522	Ca_Kabuli_Chr06	NC_021165.1	23040522	TT	CC	CC	INTERGENIC		
SNP_27920B_23040528	Ca_Kabuli_Chr06	NC_021165.1	23040528	AA	TT	TT	INTERGENIC		
SNP_27921B_23040553	Ca_Kabuli_Chr06	NC_021165.1	23040553	TT	CC	CC	INTERGENIC		
SNP_27922B_23042723	Ca_Kabuli_Chr06	NC_021165.1	23042723	TT	CC	CC	URR	101498520	glucan endo-1,3-beta-glucosidase-like
SNP_27924B_23042940	Ca_Kabuli_Chr06	NC_021165.1	23042940	CC	TT	TT	URR	101498520	glucan endo-1,3-beta-glucosidase-like
SNP_27926B_23043052	Ca_Kabuli_Chr06	NC_021165.1	23043052	AA	GG	GG	INTRON	101498865	glucan endo-1,3-beta-glucosidase-like
SNP_27927B_23043057	Ca_Kabuli_Chr06	NC_021165.1	23043057	TT	AA	AA	INTRON	101498865	glucan endo-1,3-beta-glucosidase-like
SNP_27928B_23043419	Ca_Kabuli_Chr06	NC_021165.1	23043419	CC	TT	TT	SYNONYMOUS_CODING	101498865	glucan endo-1,3-beta-glucosidase-like
SNP_27929B_23043424	Ca_Kabuli_Chr06	NC_021165.1	23043424	CC	TT	TT	NON_SYNONYMOUS_CODING	101498865	glucan endo-1,3-beta-glucosidase-like
SNP_27930B_23064629	Ca_Kabuli_Chr06	NC_021165.1	23064629	AA	GG	GG	INTERGENIC		
SNP_27931B_23064737	Ca_Kabuli_Chr06	NC_021165.1	23064737	CC	TT	TT	INTERGENIC		
SNP_27933B_23064793	Ca_Kabuli_Chr06	NC_021165.1	23064793	GG	AA	AA	INTERGENIC		
SNP_27934B_23064885	Ca_Kabuli_Chr06	NC_021165.1	23064885	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_27935B_23065124	Ca_Kabuli_Chr06	NC_021165.1	23065124	GG	CC	CC	INTERGENIC		
SNP_27936B_23065419	Ca_Kabuli_Chr06	NC_021165.1	23065419	AA	GG	GG	INTERGENIC		
SNP_27937B_23065568	Ca_Kabuli_Chr06	NC_021165.1	23065568	GG	TT	TT	INTERGENIC		
SNP_27938B_23065600	Ca_Kabuli_Chr06	NC_021165.1	23065600	CC	TT	TT	INTERGENIC		
SNP_27939B_23071023	Ca_Kabuli_Chr06	NC_021165.1	23071023	TT	AA	AA	URR	101499186	glucan endo-1,3-beta-glucosidase-like
SNP_27940B_23071162	Ca_Kabuli_Chr06	NC_021165.1	23071162	AA	GG	GG	INTRON	101499507	glucan endo-1,3-beta-glucosidase-like
SNP_27941B_23071228	Ca_Kabuli_Chr06	NC_021165.1	23071228	GG	AA	AA	INTRON	101499507	glucan endo-1,3-beta-glucosidase-like
SNP_27942B_23071245	Ca_Kabuli_Chr06	NC_021165.1	23071245	TT	AA	AA	INTRON	101499507	glucan endo-1,3-beta-glucosidase-like
SNP_27943B_23071801	Ca_Kabuli_Chr06	NC_021165.1	23071801	AA	TT	TT	INTERGENIC		
SNP_27944B_23071819	Ca_Kabuli_Chr06	NC_021165.1	23071819	CC	AA	AA	INTERGENIC		
SNP_27945B_23071863	Ca_Kabuli_Chr06	NC_021165.1	23071863	AA	GG	GG	INTERGENIC		
SNP_27946B_23072016	Ca_Kabuli_Chr06	NC_021165.1	23072016	AA	GG	GG	INTERGENIC		
SNP_27947B_23072075	Ca_Kabuli_Chr06	NC_021165.1	23072075	AA	GG	GG	INTERGENIC		
SNP_27948B_23072084	Ca_Kabuli_Chr06	NC_021165.1	23072084	TT	CC	CC	INTERGENIC		
SNP_27949B_23072245	Ca_Kabuli_Chr06	NC_021165.1	23072245	CC	TT	TT	INTERGENIC		
SNP_27950B_23076895	Ca_Kabuli_Chr06	NC_021165.1	23076895	GG	AA	AA	INTERGENIC		
SNP_27951B_23076995	Ca_Kabuli_Chr06	NC_021165.1	23076995	GG	AA	AA	INTERGENIC		
SNP_27952B_23077170	Ca_Kabuli_Chr06	NC_021165.1	23077170	GG	AA	AA	INTERGENIC		
SNP_27953B_23077642	Ca_Kabuli_Chr06	NC_021165.1	23077642	AA	GG	GG	INTERGENIC		
SNP_27954B_23077684	Ca_Kabuli_Chr06	NC_021165.1	23077684	AA	GG	GG	INTERGENIC		
SNP_27955B_23077692	Ca_Kabuli_Chr06	NC_021165.1	23077692	GG	TT	TT	INTERGENIC		
SNP_27956B_23077713	Ca_Kabuli_Chr06	NC_021165.1	23077713	TT	CC	CC	INTERGENIC		
SNP_27957B_23077849	Ca_Kabuli_Chr06	NC_021165.1	23077849	AA	GG	GG	INTERGENIC		
SNP_27958B_23077867	Ca_Kabuli_Chr06	NC_021165.1	23077867	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_27959B_23078087	Ca_Kabuli_Chr06	NC_021165.1	23078087	TT	GG	GG	INTERGENIC		
SNP_27960B_23078559	Ca_Kabuli_Chr06	NC_021165.1	23078559	GG	AA	AA	INTERGENIC		
SNP_27961B_23078705	Ca_Kabuli_Chr06	NC_021165.1	23078705	GG	TT	TT	URR	101499808	glucan endo-1,3-beta-glucosidase-like
SNP_27963B_23078804	Ca_Kabuli_Chr06	NC_021165.1	23078804	GG	AA	AA	URR	101499808	glucan endo-1,3-beta-glucosidase-like
SNP_27964B_23078847	Ca_Kabuli_Chr06	NC_021165.1	23078847	TT	CC	CC	URR	101499808	glucan endo-1,3-beta-glucosidase-like
SNP_27966B_23078963	Ca_Kabuli_Chr06	NC_021165.1	23078963	CC	TT	TT	URR	101499808	glucan endo-1,3-beta-glucosidase-like
SNP_27967B_23078967	Ca_Kabuli_Chr06	NC_021165.1	23078967	TT	CC	CC	URR	101499808	glucan endo-1,3-beta-glucosidase-like
SNP_27968B_23079094	Ca_Kabuli_Chr06	NC_021165.1	23079094	TT	AA	AA	URR	101499808	glucan endo-1,3-beta-glucosidase-like
SNP_27969B_23079141	Ca_Kabuli_Chr06	NC_021165.1	23079141	TT	GG	GG	URR	101499808	glucan endo-1,3-beta-glucosidase-like
SNP_27970B_23085741	Ca_Kabuli_Chr06	NC_021165.1	23085741	CC	GG	GG	URR	101508688	uncharacterized LOC101508688
SNP_27971B_23090221	Ca_Kabuli_Chr06	NC_021165.1	23090221	GG	CC	CC	DRR	101500133	glucan endo-1,3-beta-glucosidase-like
SNP_27973B_23154793	Ca_Kabuli_Chr06	NC_021165.1	23154793	AA	GG	GG	URR	101511053	ubiquitin-conjugating enzyme E2 20
SNP_27974B_23181621	Ca_Kabuli_Chr06	NC_021165.1	23181621	TT	GG	GG	INTERGENIC		
SNP_27975B_23376289	Ca_Kabuli_Chr06	NC_021165.1	23376289	TT	CC	CC	INTERGENIC		
SNP_27976B_23392059	Ca_Kabuli_Chr06	NC_021165.1	23392059	CC	TT	TT	DRR	101489111	uncharacterized LOC101489111
SNP_27978B_23530559	Ca_Kabuli_Chr06	NC_021165.1	23530559	CC	TT	TT	INTERGENIC		
SNP_27980B_23671654	Ca_Kabuli_Chr06	NC_021165.1	23671654	AA	CC	CC	URR	101501205	ubiquitin-fold modifier 1
SNP_27981B_23755266	Ca_Kabuli_Chr06	NC_021165.1	23755266	CC	TT	TT	INTERGENIC		
SNP_27982B_23755356	Ca_Kabuli_Chr06	NC_021165.1	23755356	TT	CC	CC	INTERGENIC		
SNP_27983B_23755379	Ca_Kabuli_Chr06	NC_021165.1	23755379	TT	CC	CC	INTERGENIC		
SNP_27984B_23755414	Ca_Kabuli_Chr06	NC_021165.1	23755414	TT	CC	CC	INTERGENIC		
SNP_27985B_23826454	Ca_Kabuli_Chr06	NC_021165.1	23826454	CC	AA	AA	INTERGENIC		
SNP_27986B_23828496	Ca_Kabuli_Chr06	NC_021165.1	23828496	TT	GG	GG	INTERGENIC		
SNP_27988B_24027303	Ca_Kabuli_Chr06	NC_021165.1	24027303	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_27989B_24125893	Ca_Kabuli_Chr06	NC_021165.1	24125893	GG	AA	AA	INTERGENIC		
SNP_27990B_24126167	Ca_Kabuli_Chr06	NC_021165.1	24126167	CC	AA	AA	INTERGENIC		
SNP_27991B_24126951	Ca_Kabuli_Chr06	NC_021165.1	24126951	CC	AA	AA	INTERGENIC		
SNP_27992B_24127055	Ca_Kabuli_Chr06	NC_021165.1	24127055	AA	GG	GG	INTERGENIC		
SNP_27993B_24127058	Ca_Kabuli_Chr06	NC_021165.1	24127058	AA	GG	GG	INTERGENIC		
SNP_27994B_24127335	Ca_Kabuli_Chr06	NC_021165.1	24127335	AA	TT	TT	INTERGENIC		
SNP_27995B_24127395	Ca_Kabuli_Chr06	NC_021165.1	24127395	TT	GG	GG	INTERGENIC		
SNP_27996B_24127824	Ca_Kabuli_Chr06	NC_021165.1	24127824	TT	CC	CC	INTERGENIC		
SNP_27997B_24240719	Ca_Kabuli_Chr06	NC_021165.1	24240719	TT	CC	CC	INTERGENIC		
SNP_27998B_24240764	Ca_Kabuli_Chr06	NC_021165.1	24240764	AA	GG	GG	INTERGENIC		
SNP_27999B_24240810	Ca_Kabuli_Chr06	NC_021165.1	24240810	AA	CC	CC	INTERGENIC		
SNP_28000B_24240852	Ca_Kabuli_Chr06	NC_021165.1	24240852	TT	GG	GG	INTERGENIC		
SNP_28001B_24241040	Ca_Kabuli_Chr06	NC_021165.1	24241040	CC	AA	AA	INTERGENIC		
SNP_28002B_24241211	Ca_Kabuli_Chr06	NC_021165.1	24241211	AA	TT	TT	INTERGENIC		
SNP_28003B_24241256	Ca_Kabuli_Chr06	NC_021165.1	24241256	TT	CC	CC	INTERGENIC		
SNP_28004B_24241261	Ca_Kabuli_Chr06	NC_021165.1	24241261	CC	AA	AA	INTERGENIC		
SNP_28006B_24241478	Ca_Kabuli_Chr06	NC_021165.1	24241478	AA	CC	CC	INTERGENIC		
SNP_28007B_24241780	Ca_Kabuli_Chr06	NC_021165.1	24241780	GG	AA	AA	INTERGENIC		
SNP_28008B_24242035	Ca_Kabuli_Chr06	NC_021165.1	24242035	TT	AA	AA	INTERGENIC		
SNP_28009B_24266107	Ca_Kabuli_Chr06	NC_021165.1	24266107	GG	CC	CC	INTERGENIC		
SNP_28011B_24309681	Ca_Kabuli_Chr06	NC_021165.1	24309681	CC	TT	TT	INTERGENIC		
SNP_28012B_24397174	Ca_Kabuli_Chr06	NC_021165.1	24397174	CC	TT	TT	INTERGENIC		
SNP_28014B_24589380	Ca_Kabuli_Chr06	NC_021165.1	24589380	AA	GG	GG	DRR	101509329	WD-40 repeat-containing protein MSI3-like
SNP_28015B_24608085	Ca_Kabuli_Chr06	NC_021165.1	24608085	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_28017B_24714626	Ca_Kabuli_Chr06	NC_021165.1	24714626	AA	GG	GG	INTERGENIC		
SNP_28018B_24744265	Ca_Kabuli_Chr06	NC_021165.1	24744265	TT	CC	CC	INTERGENIC		
SNP_28020B_24744619	Ca_Kabuli_Chr06	NC_021165.1	24744619	TT	GG	GG	INTERGENIC		
SNP_28021B_24770513	Ca_Kabuli_Chr06	NC_021165.1	24770513	CC	TT	TT	INTERGENIC		
SNP_28022B_24770755	Ca_Kabuli_Chr06	NC_021165.1	24770755	TT	CC	CC	INTERGENIC		
SNP_28023B_24856083	Ca_Kabuli_Chr06	NC_021165.1	24856083	AA	TT	TT	INTERGENIC		
SNP_28024B_24857925	Ca_Kabuli_Chr06	NC_021165.1	24857925	TT	GG	GG	INTERGENIC		
SNP_28025B_24857980	Ca_Kabuli_Chr06	NC_021165.1	24857980	GG	AA	AA	INTERGENIC		
SNP_28026B_24876342	Ca_Kabuli_Chr06	NC_021165.1	24876342	CC	TT	TT	INTERGENIC		
SNP_28027B_24876363	Ca_Kabuli_Chr06	NC_021165.1	24876363	TT	CC	CC	INTERGENIC		
SNP_28028B_24903405	Ca_Kabuli_Chr06	NC_021165.1	24903405	TT	AA	AA	INTERGENIC		
SNP_28029B_24904311	Ca_Kabuli_Chr06	NC_021165.1	24904311	AA	GG	GG	INTERGENIC		
SNP_28030B_24905397	Ca_Kabuli_Chr06	NC_021165.1	24905397	GG	TT	TT	INTERGENIC		
SNP_28031B_24930541	Ca_Kabuli_Chr06	NC_021165.1	24930541	GG	AA	AA	INTERGENIC		
SNP_28032B_24952744	Ca_Kabuli_Chr06	NC_021165.1	24952744	AA	GG	GG	INTERGENIC		
SNP_28033B_25069187	Ca_Kabuli_Chr06	NC_021165.1	25069187	TT	CC	CC	INTERGENIC		
SNP_28034B_25069583	Ca_Kabuli_Chr06	NC_021165.1	25069583	AA	CC	CC	INTERGENIC		
SNP_28035B_25130866	Ca_Kabuli_Chr06	NC_021165.1	25130866	GG	TT	TT	INTERGENIC		
SNP_28037B_25131144	Ca_Kabuli_Chr06	NC_021165.1	25131144	CC	AA	AA	INTERGENIC		
SNP_28038B_25131149	Ca_Kabuli_Chr06	NC_021165.1	25131149	AA	CC	CC	INTERGENIC		
SNP_28039B_25209958	Ca_Kabuli_Chr06	NC_021165.1	25209958	CC	AA	AA	INTERGENIC		
SNP_28040B_25212720	Ca_Kabuli_Chr06	NC_021165.1	25212720	CC	TT	TT	INTERGENIC		
SNP_28041B_25216080	Ca_Kabuli_Chr06	NC_021165.1	25216080	TT	CC	CC	INTERGENIC		
SNP_28042B_25300226	Ca_Kabuli_Chr06	NC_021165.1	25300226	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_28043B_25300230	Ca_Kabuli_Chr06	NC_021165.1	25300230	TT	CC	CC	INTERGENIC		
SNP_28044B_25300272	Ca_Kabuli_Chr06	NC_021165.1	25300272	TT	CC	CC	INTERGENIC		
SNP_28045B_25300288	Ca_Kabuli_Chr06	NC_021165.1	25300288	TT	GG	GG	INTERGENIC		
SNP_28046B_25300549	Ca_Kabuli_Chr06	NC_021165.1	25300549	AA	TT	TT	INTERGENIC		
SNP_28047B_25300574	Ca_Kabuli_Chr06	NC_021165.1	25300574	AA	GG	GG	INTERGENIC		
SNP_28049B_25314572	Ca_Kabuli_Chr06	NC_021165.1	25314572	GG	TT	TT	INTERGENIC		
SNP_28050B_25314762	Ca_Kabuli_Chr06	NC_021165.1	25314762	AA	GG	GG	INTERGENIC		
SNP_28051B_25314849	Ca_Kabuli_Chr06	NC_021165.1	25314849	TT	CC	CC	INTERGENIC		
SNP_28052B_25314861	Ca_Kabuli_Chr06	NC_021165.1	25314861	TT	CC	CC	INTERGENIC		
SNP_28053B_25314874	Ca_Kabuli_Chr06	NC_021165.1	25314874	AA	TT	TT	INTERGENIC		
SNP_28054B_25314890	Ca_Kabuli_Chr06	NC_021165.1	25314890	AA	GG	GG	INTERGENIC		
SNP_28055B_25314931	Ca_Kabuli_Chr06	NC_021165.1	25314931	TT	GG	GG	INTERGENIC		
SNP_28056B_25314937	Ca_Kabuli_Chr06	NC_021165.1	25314937	GG	AA	AA	INTERGENIC		
SNP_28057B_25314959	Ca_Kabuli_Chr06	NC_021165.1	25314959	AA	GG	GG	INTERGENIC		
SNP_28058B_25324979	Ca_Kabuli_Chr06	NC_021165.1	25324979	TT	GG	GG	INTERGENIC		
SNP_28059B_25325248	Ca_Kabuli_Chr06	NC_021165.1	25325248	CC	TT	TT	INTERGENIC		
SNP_28060B_25325249	Ca_Kabuli_Chr06	NC_021165.1	25325249	TT	CC	CC	INTERGENIC		
SNP_28061B_25325275	Ca_Kabuli_Chr06	NC_021165.1	25325275	GG	AA	AA	INTERGENIC		
SNP_28062B_25325314	Ca_Kabuli_Chr06	NC_021165.1	25325314	CC	TT	TT	INTERGENIC		
SNP_28063B_25325329	Ca_Kabuli_Chr06	NC_021165.1	25325329	TT	CC	CC	INTERGENIC		
SNP_28064B_25325410	Ca_Kabuli_Chr06	NC_021165.1	25325410	TT	CC	CC	INTERGENIC		
SNP_28065B_25325418	Ca_Kabuli_Chr06	NC_021165.1	25325418	TT	CC	CC	INTERGENIC		
SNP_28066B_25325502	Ca_Kabuli_Chr06	NC_021165.1	25325502	AA	CC	CC	INTERGENIC		
SNP_28067B_25352458	Ca_Kabuli_Chr06	NC_021165.1	25352458	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_28068B_25352576	Ca_Kabuli_Chr06	NC_021165.1	25352576	TT	AA	AA	INTERGENIC		
SNP_28069B_25383139	Ca_Kabuli_Chr06	NC_021165.1	25383139	TT	CC	CC	INTERGENIC		
SNP_28070B_25531267	Ca_Kabuli_Chr06	NC_021165.1	25531267	TT	CC	CC	INTERGENIC		
SNP_28071B_25548298	Ca_Kabuli_Chr06	NC_021165.1	25548298	TT	AA	AA	INTERGENIC		
SNP_28072B_25548722	Ca_Kabuli_Chr06	NC_021165.1	25548722	GG	AA	AA	INTERGENIC		
SNP_28073B_25549602	Ca_Kabuli_Chr06	NC_021165.1	25549602	TT	CC	CC	INTERGENIC		
SNP_28074B_25549620	Ca_Kabuli_Chr06	NC_021165.1	25549620	GG	TT	TT	INTERGENIC		
SNP_28075B_25549639	Ca_Kabuli_Chr06	NC_021165.1	25549639	TT	CC	CC	INTERGENIC		
SNP_28076B_25549666	Ca_Kabuli_Chr06	NC_021165.1	25549666	TT	CC	CC	INTERGENIC		
SNP_28077B_25549678	Ca_Kabuli_Chr06	NC_021165.1	25549678	TT	AA	AA	INTERGENIC		
SNP_28078B_25549693	Ca_Kabuli_Chr06	NC_021165.1	25549693	TT	CC	CC	INTERGENIC		
SNP_28079B_25549711	Ca_Kabuli_Chr06	NC_021165.1	25549711	TT	CC	CC	INTERGENIC		
SNP_28080B_25549712	Ca_Kabuli_Chr06	NC_021165.1	25549712	TT	CC	CC	INTERGENIC		
SNP_28081B_25549744	Ca_Kabuli_Chr06	NC_021165.1	25549744	AA	GG	GG	INTERGENIC		
SNP_28082B_25549798	Ca_Kabuli_Chr06	NC_021165.1	25549798	TT	CC	CC	INTERGENIC		
SNP_28083B_25549801	Ca_Kabuli_Chr06	NC_021165.1	25549801	TT	GG	GG	INTERGENIC		
SNP_28084B_25549807	Ca_Kabuli_Chr06	NC_021165.1	25549807	GG	AA	AA	INTERGENIC		
SNP_28085B_25549825	Ca_Kabuli_Chr06	NC_021165.1	25549825	AA	GG	GG	INTERGENIC		
SNP_28086B_25549831	Ca_Kabuli_Chr06	NC_021165.1	25549831	CC	TT	TT	INTERGENIC		
SNP_28087B_25549834	Ca_Kabuli_Chr06	NC_021165.1	25549834	GG	AA	AA	INTERGENIC		
SNP_28088B_25549837	Ca_Kabuli_Chr06	NC_021165.1	25549837	AA	GG	GG	INTERGENIC		
SNP_28089B_25550043	Ca_Kabuli_Chr06	NC_021165.1	25550043	CC	AA	AA	INTERGENIC		
SNP_28090B_25550087	Ca_Kabuli_Chr06	NC_021165.1	25550087	CC	TT	TT	INTERGENIC		
SNP_28091B_25550132	Ca_Kabuli_Chr06	NC_021165.1	25550132	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_28092B_25570033	Ca_Kabuli_Chr06	NC_021165.1	25570033	AA	GG	GG	INTERGENIC		
SNP_28093B_25570179	Ca_Kabuli_Chr06	NC_021165.1	25570179	TT	CC	CC	INTERGENIC		
SNP_28094B_25572462	Ca_Kabuli_Chr06	NC_021165.1	25572462	AA	GG	GG	INTERGENIC		
SNP_28095B_25572471	Ca_Kabuli_Chr06	NC_021165.1	25572471	GG	AA	AA	INTERGENIC		
SNP_28096B_25572473	Ca_Kabuli_Chr06	NC_021165.1	25572473	AA	TT	TT	INTERGENIC		
SNP_28097B_25595905	Ca_Kabuli_Chr06	NC_021165.1	25595905	TT	CC	CC	INTERGENIC		
SNP_28098B_25595906	Ca_Kabuli_Chr06	NC_021165.1	25595906	AA	GG	GG	INTERGENIC		
SNP_28099B_25613292	Ca_Kabuli_Chr06	NC_021165.1	25613292	TT	AA	AA	INTERGENIC		
SNP_28100B_25638459	Ca_Kabuli_Chr06	NC_021165.1	25638459	CC	TT	TT	INTRON	101493662	protein FAR-RED IMPAIRED RESPONSE 1-like
SNP_28101B_25639623	Ca_Kabuli_Chr06	NC_021165.1	25639623	CC	AA	AA	INTRON	101493662	protein FAR-RED IMPAIRED RESPONSE 1-like
SNP_28102B_25643992	Ca_Kabuli_Chr06	NC_021165.1	25643992	GG	AA	AA	URR	101493662	protein FAR-RED IMPAIRED RESPONSE 1-like
SNP_28103B_25671405	Ca_Kabuli_Chr06	NC_021165.1	25671405	TT	AA	AA	INTERGENIC		
SNP_28104B_25671453	Ca_Kabuli_Chr06	NC_021165.1	25671453	AA	GG	GG	INTERGENIC		
SNP_28105B_25671783	Ca_Kabuli_Chr06	NC_021165.1	25671783	AA	TT	TT	INTERGENIC		
SNP_28106B_25671912	Ca_Kabuli_Chr06	NC_021165.1	25671912	TT	GG	GG	INTERGENIC		
SNP_28107B_25672063	Ca_Kabuli_Chr06	NC_021165.1	25672063	AA	TT	TT	INTERGENIC		
SNP_28108B_25687449	Ca_Kabuli_Chr06	NC_021165.1	25687449	GG	TT	TT	INTERGENIC		
SNP_28109B_25689448	Ca_Kabuli_Chr06	NC_021165.1	25689448	TT	GG	GG	INTERGENIC		
SNP_28110B_25689457	Ca_Kabuli_Chr06	NC_021165.1	25689457	TT	AA	AA	INTERGENIC		
SNP_28111B_25697054	Ca_Kabuli_Chr06	NC_021165.1	25697054	CC	AA	AA	INTERGENIC		
SNP_28112B_25732992	Ca_Kabuli_Chr06	NC_021165.1	25732992	AA	GG	GG	INTERGENIC		
SNP_28113B_25733010	Ca_Kabuli_Chr06	NC_021165.1	25733010	TT	AA	AA	INTERGENIC		
SNP_28114B_25733031	Ca_Kabuli_Chr06	NC_021165.1	25733031	AA	GG	GG	INTERGENIC		
SNP_28115B_25733584	Ca_Kabuli_Chr06	NC_021165.1	25733584	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_28116B_25733620	Ca_Kabuli_Chr06	NC_021165.1	25733620	CC	TT	TT	INTERGENIC		
SNP_28117B_25733627	Ca_Kabuli_Chr06	NC_021165.1	25733627	GG	TT	TT	INTERGENIC		
SNP_28119B_25733743	Ca_Kabuli_Chr06	NC_021165.1	25733743	AA	GG	GG	INTERGENIC		
SNP_28120B_25733745	Ca_Kabuli_Chr06	NC_021165.1	25733745	GG	AA	AA	INTERGENIC		
SNP_28121B_25733920	Ca_Kabuli_Chr06	NC_021165.1	25733920	GG	TT	TT	INTERGENIC		
SNP_28122B_25751760	Ca_Kabuli_Chr06	NC_021165.1	25751760	AA	CC	CC	INTERGENIC		
SNP_28123B_25754760	Ca_Kabuli_Chr06	NC_021165.1	25754760	GG	AA	AA	INTERGENIC		
SNP_28124B_25758105	Ca_Kabuli_Chr06	NC_021165.1	25758105	GG	AA	AA	INTERGENIC		
SNP_28125B_25773506	Ca_Kabuli_Chr06	NC_021165.1	25773506	AA	GG	GG	INTERGENIC		
SNP_28126B_25789400	Ca_Kabuli_Chr06	NC_021165.1	25789400	CC	TT	TT	INTERGENIC		
SNP_28127B_25789415	Ca_Kabuli_Chr06	NC_021165.1	25789415	AA	GG	GG	INTERGENIC		
SNP_28128B_25834379	Ca_Kabuli_Chr06	NC_021165.1	25834379	TT	CC	CC	INTERGENIC		
SNP_28129B_25869062	Ca_Kabuli_Chr06	NC_021165.1	25869062	TT	GG	GG	INTERGENIC		
SNP_28130B_25869140	Ca_Kabuli_Chr06	NC_021165.1	25869140	AA	CC	CC	INTERGENIC		
SNP_28131B_25869181	Ca_Kabuli_Chr06	NC_021165.1	25869181	TT	CC	CC	INTERGENIC		
SNP_28132B_25869437	Ca_Kabuli_Chr06	NC_021165.1	25869437	CC	GG	GG	INTERGENIC		
SNP_28133B_25869441	Ca_Kabuli_Chr06	NC_021165.1	25869441	TT	GG	GG	INTERGENIC		
SNP_28134B_25869463	Ca_Kabuli_Chr06	NC_021165.1	25869463	GG	TT	TT	INTERGENIC		
SNP_28135B_25869497	Ca_Kabuli_Chr06	NC_021165.1	25869497	CC	TT	TT	INTERGENIC		
SNP_28136B_25887069	Ca_Kabuli_Chr06	NC_021165.1	25887069	TT	CC	CC	INTERGENIC		
SNP_28137B_25894744	Ca_Kabuli_Chr06	NC_021165.1	25894744	CC	AA	AA	INTERGENIC		
SNP_28138B_25894748	Ca_Kabuli_Chr06	NC_021165.1	25894748	TT	GG	GG	INTERGENIC		
SNP_28139B_25916500	Ca_Kabuli_Chr06	NC_021165.1	25916500	AA	GG	GG	INTERGENIC		
SNP_28140B_25916522	Ca_Kabuli_Chr06	NC_021165.1	25916522	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_28141B_25916531	Ca_Kabuli_Chr06	NC_021165.1	25916531	TT	GG	GG	INTERGENIC		
SNP_28142B_25916541	Ca_Kabuli_Chr06	NC_021165.1	25916541	AA	GG	GG	INTERGENIC		
SNP_28143B_25916552	Ca_Kabuli_Chr06	NC_021165.1	25916552	TT	CC	CC	INTERGENIC		
SNP_28144B_25916568	Ca_Kabuli_Chr06	NC_021165.1	25916568	TT	GG	GG	INTERGENIC		
SNP_28145B_25916587	Ca_Kabuli_Chr06	NC_021165.1	25916587	GG	AA	AA	INTERGENIC		
SNP_28146B_25916600	Ca_Kabuli_Chr06	NC_021165.1	25916600	GG	AA	AA	INTERGENIC		
SNP_28147B_25916624	Ca_Kabuli_Chr06	NC_021165.1	25916624	AA	GG	GG	INTERGENIC		
SNP_28148B_25916625	Ca_Kabuli_Chr06	NC_021165.1	25916625	AA	CC	CC	INTERGENIC		
SNP_28149B_25916630	Ca_Kabuli_Chr06	NC_021165.1	25916630	CC	TT	TT	INTERGENIC		
SNP_28152B_25916902	Ca_Kabuli_Chr06	NC_021165.1	25916902	AA	GG	GG	INTERGENIC		
SNP_28153B_25916935	Ca_Kabuli_Chr06	NC_021165.1	25916935	CC	AA	AA	INTERGENIC		
SNP_28154B_25917007	Ca_Kabuli_Chr06	NC_021165.1	25917007	GG	AA	AA	INTERGENIC		
SNP_28155B_25919812	Ca_Kabuli_Chr06	NC_021165.1	25919812	TT	GG	GG	INTERGENIC		
SNP_28156B_25941060	Ca_Kabuli_Chr06	NC_021165.1	25941060	AA	CC	CC	INTERGENIC		
SNP_28157B_25966973	Ca_Kabuli_Chr06	NC_021165.1	25966973	CC	TT	TT	INTERGENIC		
SNP_28158B_25967706	Ca_Kabuli_Chr06	NC_021165.1	25967706	GG	CC	CC	INTERGENIC		
SNP_28159B_25967713	Ca_Kabuli_Chr06	NC_021165.1	25967713	CC	TT	TT	INTERGENIC		
SNP_28160B_26027612	Ca_Kabuli_Chr06	NC_021165.1	26027612	CC	TT	TT	INTERGENIC		
SNP_28161B_26027613	Ca_Kabuli_Chr06	NC_021165.1	26027613	TT	CC	CC	INTERGENIC		
SNP_28162B_26027628	Ca_Kabuli_Chr06	NC_021165.1	26027628	AA	GG	GG	INTERGENIC		
SNP_28163B_26030922	Ca_Kabuli_Chr06	NC_021165.1	26030922	AA	TT	TT	INTERGENIC		
SNP_28164B_26059970	Ca_Kabuli_Chr06	NC_021165.1	26059970	AA	TT	TT	INTRON	101494297	7-deoxyloganetin glucosyltransferase-like
SNP_28165B_26065926	Ca_Kabuli_Chr06	NC_021165.1	26065926	TT	GG	GG	INTRON	101494297	7-deoxyloganetin glucosyltransferase-like
SNP_28166B_26066506	Ca_Kabuli_Chr06	NC_021165.1	26066506	CC	TT	TT	INTRON	101494297	7-deoxyloganetin glucosyltransferase-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_28167B_26095343	Ca_Kabuli_Chr06	NC_021165.1	26095343	TT	CC	CC	INTRON	101494920	protein TRANSPARENT TESTA 1-like
SNP_28168B_26095678	Ca_Kabuli_Chr06	NC_021165.1	26095678	GG	AA	AA	INTRON	101494920	protein TRANSPARENT TESTA 1-like
SNP_28169B_26095699	Ca_Kabuli_Chr06	NC_021165.1	26095699	AA	GG	GG	INTRON	101494920	protein TRANSPARENT TESTA 1-like
SNP_28170B_26132045	Ca_Kabuli_Chr06	NC_021165.1	26132045	TT	AA	AA	INTERGENIC		
SNP_28171B_26132093	Ca_Kabuli_Chr06	NC_021165.1	26132093	AA	GG	GG	INTERGENIC		
SNP_28172B_26136260	Ca_Kabuli_Chr06	NC_021165.1	26136260	AA	GG	GG	INTERGENIC		
SNP_28173B_26140233	Ca_Kabuli_Chr06	NC_021165.1	26140233	AA	TT	TT	INTERGENIC		
SNP_28174B_26159928	Ca_Kabuli_Chr06	NC_021165.1	26159928	CC	GG	GG	INTERGENIC		
SNP_28175B_26159931	Ca_Kabuli_Chr06	NC_021165.1	26159931	GG	AA	AA	INTERGENIC		
SNP_28176B_26240562	Ca_Kabuli_Chr06	NC_021165.1	26240562	TT	CC	CC	INTERGENIC		
SNP_28177B_26244243	Ca_Kabuli_Chr06	NC_021165.1	26244243	TT	CC	CC	INTERGENIC		
SNP_28178B_26244266	Ca_Kabuli_Chr06	NC_021165.1	26244266	GG	AA	AA	INTERGENIC		
SNP_28179B_26244267	Ca_Kabuli_Chr06	NC_021165.1	26244267	GG	AA	AA	INTERGENIC		
SNP_28180B_26244282	Ca_Kabuli_Chr06	NC_021165.1	26244282	TT	CC	CC	INTERGENIC		
SNP_28181B_26244306	Ca_Kabuli_Chr06	NC_021165.1	26244306	CC	TT	TT	INTERGENIC		
SNP_28182B_26244308	Ca_Kabuli_Chr06	NC_021165.1	26244308	GG	AA	AA	INTERGENIC		
SNP_28184B_26244318	Ca_Kabuli_Chr06	NC_021165.1	26244318	TT	AA	AA	INTERGENIC		
SNP_28185B_26247924	Ca_Kabuli_Chr06	NC_021165.1	26247924	GG	AA	AA	INTERGENIC		
SNP_28186B_26247957	Ca_Kabuli_Chr06	NC_021165.1	26247957	CC	TT	TT	INTERGENIC		
SNP_28187B_26247969	Ca_Kabuli_Chr06	NC_021165.1	26247969	CC	TT	TT	INTERGENIC		
SNP_28188B_26247987	Ca_Kabuli_Chr06	NC_021165.1	26247987	CC	TT	TT	INTERGENIC		
SNP_28189B_26248015	Ca_Kabuli_Chr06	NC_021165.1	26248015	AA	TT	TT	INTERGENIC		
SNP_28190B_26248041	Ca_Kabuli_Chr06	NC_021165.1	26248041	TT	GG	GG	INTERGENIC		
SNP_28191B_26255885	Ca_Kabuli_Chr06	NC_021165.1	26255885	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_28192B_26255907	Ca_Kabuli_Chr06	NC_021165.1	26255907	CC	AA	AA	INTERGENIC		
SNP_28193B_26277580	Ca_Kabuli_Chr06	NC_021165.1	26277580	CC	TT	TT	INTERGENIC		
SNP_28195B_26277714	Ca_Kabuli_Chr06	NC_021165.1	26277714	GG	TT	TT	INTERGENIC		
SNP_28197B_26278239	Ca_Kabuli_Chr06	NC_021165.1	26278239	AA	GG	GG	INTERGENIC		
SNP_28198B_26278254	Ca_Kabuli_Chr06	NC_021165.1	26278254	CC	TT	TT	INTERGENIC		
SNP_28199B_26278271	Ca_Kabuli_Chr06	NC_021165.1	26278271	AA	GG	GG	INTERGENIC		
SNP_28200B_26278309	Ca_Kabuli_Chr06	NC_021165.1	26278309	TT	GG	GG	INTERGENIC		
SNP_28201B_26286409	Ca_Kabuli_Chr06	NC_021165.1	26286409	TT	CC	CC	INTERGENIC		
SNP_28202B_26286460	Ca_Kabuli_Chr06	NC_021165.1	26286460	AA	GG	GG	INTERGENIC		
SNP_28203B_26286807	Ca_Kabuli_Chr06	NC_021165.1	26286807	AA	TT	TT	INTERGENIC		
SNP_28204B_26286810	Ca_Kabuli_Chr06	NC_021165.1	26286810	GG	AA	AA	INTERGENIC		
SNP_28205B_26286831	Ca_Kabuli_Chr06	NC_021165.1	26286831	AA	CC	CC	INTERGENIC		
SNP_28206B_26286894	Ca_Kabuli_Chr06	NC_021165.1	26286894	AA	TT	TT	INTERGENIC		
SNP_28207B_26297895	Ca_Kabuli_Chr06	NC_021165.1	26297895	TT	CC	CC	INTERGENIC		
SNP_28208B_26349778	Ca_Kabuli_Chr06	NC_021165.1	26349778	GG	AA	AA	URR	101495576	probable dolichyl pyrophosphate Glc1Man9GlcNAc2 alpha-1,3-glucosyltransferase
SNP_28209B_26349935	Ca_Kabuli_Chr06	NC_021165.1	26349935	TT	AA	AA	URR	101495576	probable dolichyl pyrophosphate Glc1Man9GlcNAc2 alpha-1,3-glucosyltransferase
SNP_28210B_26350007	Ca_Kabuli_Chr06	NC_021165.1	26350007	AA	CC	CC	URR	101495576	probable dolichyl pyrophosphate Glc1Man9GlcNAc2 alpha-1,3-glucosyltransferase
SNP_28211B_26350036	Ca_Kabuli_Chr06	NC_021165.1	26350036	CC	GG	GG	URR	101495576	probable dolichyl pyrophosphate Glc1Man9GlcNAc2 alpha-1,3-glucosyltransferase
SNP_28212B_26350137	Ca_Kabuli_Chr06	NC_021165.1	26350137	CC	TT	TT	URR	101495576	probable dolichyl pyrophosphate Glc1Man9GlcNAc2 alpha-1,3-glucosyltransferase
SNP_28213B_26350198	Ca_Kabuli_Chr06	NC_021165.1	26350198	GG	AA	AA	URR	101495576	probable dolichyl pyrophosphate Glc1Man9GlcNAc2 alpha-1,3-glucosyltransferase
SNP_28214B_26354118	Ca_Kabuli_Chr06	NC_021165.1	26354118	AA	GG	GG	INTERGENIC		
SNP_28216B_26374829	Ca_Kabuli_Chr06	NC_021165.1	26374829	CC	TT	TT	DRR	101513825	uncharacterized LOC101513825
SNP_28217B_26415899	Ca_Kabuli_Chr06	NC_021165.1	26415899	AA	GG	GG	URR	101410587	transfer RNA lysine (anticodon UUU)
SNP_28219B_26454472	Ca_Kabuli_Chr06	NC_021165.1	26454472	GG	AA	AA	URR	101499809	probable protein phosphatase 2C 4

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_28220B_26560605	Ca_Kabuli_Chr06	NC_021165.1	26560605	AA	GG	GG	NON_SYNONYMOUS_CODING	101515137	uncharacterized LOC101515137
SNP_28221B_26614647	Ca_Kabuli_Chr06	NC_021165.1	26614647	CC	TT	TT	INTERGENIC		
SNP_28223B_26673881	Ca_Kabuli_Chr06	NC_021165.1	26673881	AA	GG	GG	INTERGENIC		
SNP_28224B_26686587	Ca_Kabuli_Chr06	NC_021165.1	26686587	CC	TT	TT	URR	101503972	uncharacterized LOC101503972
SNP_28225B_26761725	Ca_Kabuli_Chr06	NC_021165.1	26761725	AA	GG	GG	INTERGENIC		
SNP_28227B_26828982	Ca_Kabuli_Chr06	NC_021165.1	26828982	CC	AA	AA	URR	101508258	uncharacterized LOC101508258
SNP_28228B_26828987	Ca_Kabuli_Chr06	NC_021165.1	26828987	TT	GG	GG	URR	101508258	uncharacterized LOC101508258
SNP_28229B_26867663	Ca_Kabuli_Chr06	NC_021165.1	26867663	TT	GG	GG	INTERGENIC		
SNP_28231B_26937699	Ca_Kabuli_Chr06	NC_021165.1	26937699	CC	TT	TT	INTERGENIC		
SNP_28232B_26946222	Ca_Kabuli_Chr06	NC_021165.1	26946222	CC	TT	TT	INTERGENIC		
SNP_28233B_26946328	Ca_Kabuli_Chr06	NC_021165.1	26946328	TT	CC	CC	INTERGENIC		
SNP_28234B_26949946	Ca_Kabuli_Chr06	NC_021165.1	26949946	GG	CC	CC	INTERGENIC		
SNP_28235B_27007705	Ca_Kabuli_Chr06	NC_021165.1	27007705	TT	CC	CC	INTERGENIC		
SNP_28236B_27007713	Ca_Kabuli_Chr06	NC_021165.1	27007713	CC	AA	AA	INTERGENIC		
SNP_28237B_27007721	Ca_Kabuli_Chr06	NC_021165.1	27007721	GG	CC	CC	INTERGENIC		
SNP_28238B_27008100	Ca_Kabuli_Chr06	NC_021165.1	27008100	GG	AA	AA	INTERGENIC		
SNP_28239B_27008119	Ca_Kabuli_Chr06	NC_021165.1	27008119	AA	GG	GG	INTERGENIC		
SNP_28240B_27008131	Ca_Kabuli_Chr06	NC_021165.1	27008131	TT	CC	CC	INTERGENIC		
SNP_28242B_27039047	Ca_Kabuli_Chr06	NC_021165.1	27039047	CC	TT	TT	INTERGENIC		
SNP_28243B_27039074	Ca_Kabuli_Chr06	NC_021165.1	27039074	AA	GG	GG	INTERGENIC		
SNP_28244B_27039094	Ca_Kabuli_Chr06	NC_021165.1	27039094	CC	TT	TT	INTERGENIC		
SNP_28245B_27039133	Ca_Kabuli_Chr06	NC_021165.1	27039133	GG	AA	AA	INTERGENIC		
SNP_28246B_27039138	Ca_Kabuli_Chr06	NC_021165.1	27039138	TT	CC	CC	INTERGENIC		
SNP_28247B_27039348	Ca_Kabuli_Chr06	NC_021165.1	27039348	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_28248B_27039409	Ca_Kabuli_Chr06	NC_021165.1	27039409	TT	GG	GG	INTERGENIC		
SNP_28249B_27067743	Ca_Kabuli_Chr06	NC_021165.1	27067743	GG	AA	AA	URR	101490085	E3 UFM1-protein ligase 1 homolog
SNP_28250B_27067792	Ca_Kabuli_Chr06	NC_021165.1	27067792	CC	TT	TT	URR	101490085	E3 UFM1-protein ligase 1 homolog
SNP_28251B_27108197	Ca_Kabuli_Chr06	NC_021165.1	27108197	TT	GG	GG	DRR	101488892	uncharacterized LOC101488892
SNP_28253B_27171319	Ca_Kabuli_Chr06	NC_021165.1	27171319	AA	TT	TT	INTRON	101491903	DNA-directed RNA polymerase III subunit rpc1
SNP_28254B_27184137	Ca_Kabuli_Chr06	NC_021165.1	27184137	CC	AA	AA	INTRON	101491903	DNA-directed RNA polymerase III subunit rpc1
SNP_28255B_27195950	Ca_Kabuli_Chr06	NC_021165.1	27195950	CC	AA	AA	URR	101491903	DNA-directed RNA polymerase III subunit rpc1
SNP_28256B_27207423	Ca_Kabuli_Chr06	NC_021165.1	27207423	GG	AA	AA	INTRON	101492784	phototropin-1-like
SNP_28259B_27289118	Ca_Kabuli_Chr06	NC_021165.1	27289118	CC	GG	GG	INTERGENIC		
SNP_28261B_27317475	Ca_Kabuli_Chr06	NC_021165.1	27317475	AA	TT	TT	INTERGENIC		
SNP_28262B_27317476	Ca_Kabuli_Chr06	NC_021165.1	27317476	AA	TT	TT	INTERGENIC		
SNP_28264B_27357670	Ca_Kabuli_Chr06	NC_021165.1	27357670	AA	TT	TT	INTERGENIC		
SNP_28265B_27360223	Ca_Kabuli_Chr06	NC_021165.1	27360223	AA	GG	GG	INTERGENIC		
SNP_28268B_27474009	Ca_Kabuli_Chr06	NC_021165.1	27474009	GG	AA	AA	URR	101490190	uncharacterized LOC101490190
SNP_28269B_27522518	Ca_Kabuli_Chr06	NC_021165.1	27522518	AA	TT	TT	INTERGENIC		
SNP_28270B_27522520	Ca_Kabuli_Chr06	NC_021165.1	27522520	TT	GG	GG	INTERGENIC		
SNP_28271B_27522573	Ca_Kabuli_Chr06	NC_021165.1	27522573	TT	GG	GG	INTERGENIC		
SNP_28272B_27611823	Ca_Kabuli_Chr06	NC_021165.1	27611823	GG	AA	AA	INTERGENIC		
SNP_28273B_27624987	Ca_Kabuli_Chr06	NC_021165.1	27624987	TT	CC	CC	INTERGENIC		
SNP_28274B_27641141	Ca_Kabuli_Chr06	NC_021165.1	27641141	GG	AA	AA	INTERGENIC		
SNP_28276B_27756138	Ca_Kabuli_Chr06	NC_021165.1	27756138	CC	AA	AA	NON_SYNONYMOUS_CODING	101506656	pentatricopeptide repeat-containing protein At3g22470, mitochondrial-like
SNP_28277B_27777329	Ca_Kabuli_Chr06	NC_021165.1	27777329	CC	TT	TT	INTERGENIC		
SNP_28278B_27777350	Ca_Kabuli_Chr06	NC_021165.1	27777350	TT	CC	CC	INTERGENIC		
SNP_28279B_27798115	Ca_Kabuli_Chr06	NC_021165.1	27798115	CC	AA	AA	DRR	101508158	fasciclin-like arabinogalactan protein 12

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_28280B_27902168	Ca_Kabuli_Chr06	NC_021165.1	27902168	CC	TT	TT	INTERGENIC		
SNP_28281B_27902221	Ca_Kabuli_Chr06	NC_021165.1	27902221	TT	CC	CC	INTERGENIC		
SNP_28283B_27910476	Ca_Kabuli_Chr06	NC_021165.1	27910476	GG	TT	TT	INTERGENIC		
SNP_28284B_27910486	Ca_Kabuli_Chr06	NC_021165.1	27910486	TT	CC	CC	INTERGENIC		
SNP_28285B_27910524	Ca_Kabuli_Chr06	NC_021165.1	27910524	AA	CC	CC	INTERGENIC		
SNP_28286B_27910529	Ca_Kabuli_Chr06	NC_021165.1	27910529	GG	TT	TT	INTERGENIC		
SNP_28287B_27910552	Ca_Kabuli_Chr06	NC_021165.1	27910552	AA	TT	TT	INTERGENIC		
SNP_28288B_27910558	Ca_Kabuli_Chr06	NC_021165.1	27910558	AA	GG	GG	INTERGENIC		
SNP_28289B_27910590	Ca_Kabuli_Chr06	NC_021165.1	27910590	AA	GG	GG	INTERGENIC		
SNP_28290B_27910598	Ca_Kabuli_Chr06	NC_021165.1	27910598	TT	AA	AA	INTERGENIC		
SNP_28291B_27910613	Ca_Kabuli_Chr06	NC_021165.1	27910613	TT	CC	CC	INTERGENIC		
SNP_28292B_27910672	Ca_Kabuli_Chr06	NC_021165.1	27910672	TT	GG	GG	INTERGENIC		
SNP_28293B_27910673	Ca_Kabuli_Chr06	NC_021165.1	27910673	GG	TT	TT	INTERGENIC		
SNP_28294B_27910810	Ca_Kabuli_Chr06	NC_021165.1	27910810	CC	TT	TT	INTERGENIC		
SNP_28295B_27951131	Ca_Kabuli_Chr06	NC_021165.1	27951131	CC	GG	GG	INTERGENIC		
SNP_28296B_27983525	Ca_Kabuli_Chr06	NC_021165.1	27983525	CC	GG	GG	INTERGENIC		
SNP_28297B_28004803	Ca_Kabuli_Chr06	NC_021165.1	28004803	TT	CC	CC	INTERGENIC		
SNP_28298B_28010132	Ca_Kabuli_Chr06	NC_021165.1	28010132	CC	TT	TT	INTERGENIC		
SNP_28299B_28010135	Ca_Kabuli_Chr06	NC_021165.1	28010135	GG	AA	AA	INTERGENIC		
SNP_28300B_28017828	Ca_Kabuli_Chr06	NC_021165.1	28017828	TT	CC	CC	INTERGENIC		
SNP_28301B_28096919	Ca_Kabuli_Chr06	NC_021165.1	28096919	TT	CC	CC	INTERGENIC		
SNP_28302B_28139244	Ca_Kabuli_Chr06	NC_021165.1	28139244	CC	TT	TT	INTERGENIC		
SNP_28303B_28139247	Ca_Kabuli_Chr06	NC_021165.1	28139247	TT	CC	CC	INTERGENIC		
SNP_28304B_28139262	Ca_Kabuli_Chr06	NC_021165.1	28139262	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_28305B_28139279	Ca_Kabuli_Chr06	NC_021165.1	28139279	AA	GG	GG	INTERGENIC		
SNP_28306B_28139302	Ca_Kabuli_Chr06	NC_021165.1	28139302	AA	GG	GG	INTERGENIC		
SNP_28307B_28139643	Ca_Kabuli_Chr06	NC_021165.1	28139643	AA	CC	CC	INTERGENIC		
SNP_28308B_28139648	Ca_Kabuli_Chr06	NC_021165.1	28139648	TT	AA	AA	INTERGENIC		
SNP_28309B_28139694	Ca_Kabuli_Chr06	NC_021165.1	28139694	AA	TT	TT	INTERGENIC		
SNP_28310B_28190159	Ca_Kabuli_Chr06	NC_021165.1	28190159	AA	TT	TT	INTERGENIC		
SNP_28312B_28191044	Ca_Kabuli_Chr06	NC_021165.1	28191044	CC	AA	AA	INTERGENIC		
SNP_28313B_28191069	Ca_Kabuli_Chr06	NC_021165.1	28191069	AA	TT	TT	INTERGENIC		
SNP_28314B_28191672	Ca_Kabuli_Chr06	NC_021165.1	28191672	CC	TT	TT	INTERGENIC		
SNP_28315B_28192208	Ca_Kabuli_Chr06	NC_021165.1	28192208	TT	CC	CC	INTERGENIC		
SNP_28316B_28192404	Ca_Kabuli_Chr06	NC_021165.1	28192404	CC	TT	TT	INTERGENIC		
SNP_28317B_28192424	Ca_Kabuli_Chr06	NC_021165.1	28192424	GG	AA	AA	INTERGENIC		
SNP_28320B_28225908	Ca_Kabuli_Chr06	NC_021165.1	28225908	GG	AA	AA	INTERGENIC		
SNP_28321B_28276128	Ca_Kabuli_Chr06	NC_021165.1	28276128	AA	GG	GG	INTERGENIC		
SNP_28322B_28276134	Ca_Kabuli_Chr06	NC_021165.1	28276134	GG	TT	TT	INTERGENIC		
SNP_28323B_28276135	Ca_Kabuli_Chr06	NC_021165.1	28276135	TT	AA	AA	INTERGENIC		
SNP_28324B_28276136	Ca_Kabuli_Chr06	NC_021165.1	28276136	AA	GG	GG	INTERGENIC		
SNP_28325B_28276241	Ca_Kabuli_Chr06	NC_021165.1	28276241	TT	CC	CC	INTERGENIC		
SNP_28326B_28276589	Ca_Kabuli_Chr06	NC_021165.1	28276589	AA	GG	GG	INTERGENIC		
SNP_28327B_28276605	Ca_Kabuli_Chr06	NC_021165.1	28276605	TT	CC	CC	INTERGENIC		
SNP_28328B_28301419	Ca_Kabuli_Chr06	NC_021165.1	28301419	GG	AA	AA	INTERGENIC		
SNP_28329B_28305119	Ca_Kabuli_Chr06	NC_021165.1	28305119	AA	GG	GG	INTERGENIC		
SNP_28330B_28305144	Ca_Kabuli_Chr06	NC_021165.1	28305144	AA	GG	GG	INTERGENIC		
SNP_28331B_28305516	Ca_Kabuli_Chr06	NC_021165.1	28305516	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_28332B_28323082	Ca_Kabuli_Chr06	NC_021165.1	28323082	AA	TT	TT	INTERGENIC		
SNP_28333B_28323750	Ca_Kabuli_Chr06	NC_021165.1	28323750	GG	TT	TT	INTERGENIC		
SNP_28334B_28323869	Ca_Kabuli_Chr06	NC_021165.1	28323869	CC	GG	GG	INTERGENIC		
SNP_28335B_28323948	Ca_Kabuli_Chr06	NC_021165.1	28323948	CC	TT	TT	INTERGENIC		
SNP_28336B_28323949	Ca_Kabuli_Chr06	NC_021165.1	28323949	GG	TT	TT	INTERGENIC		
SNP_28337B_28324059	Ca_Kabuli_Chr06	NC_021165.1	28324059	GG	AA	AA	INTERGENIC		
SNP_28338B_28324066	Ca_Kabuli_Chr06	NC_021165.1	28324066	GG	TT	TT	INTERGENIC		
SNP_28339B_28324067	Ca_Kabuli_Chr06	NC_021165.1	28324067	TT	AA	AA	INTERGENIC		
SNP_28340B_28324162	Ca_Kabuli_Chr06	NC_021165.1	28324162	TT	CC	CC	INTERGENIC		
SNP_28341B_28324545	Ca_Kabuli_Chr06	NC_021165.1	28324545	AA	GG	GG	DRR	101495153	ribonuclease S-F11-like
SNP_28342B_28324623	Ca_Kabuli_Chr06	NC_021165.1	28324623	CC	TT	TT	DRR	101495153	ribonuclease S-F11-like
SNP_28343B_28324811	Ca_Kabuli_Chr06	NC_021165.1	28324811	TT	GG	GG	DRR	101495153	ribonuclease S-F11-like
SNP_28344B_28324837	Ca_Kabuli_Chr06	NC_021165.1	28324837	GG	TT	TT	DRR	101495153	ribonuclease S-F11-like
SNP_28345B_28324906	Ca_Kabuli_Chr06	NC_021165.1	28324906	TT	CC	CC	DRR	101495153	ribonuclease S-F11-like
SNP_28346B_28326153	Ca_Kabuli_Chr06	NC_021165.1	28326153	AA	GG	GG	URR	101495153	ribonuclease S-F11-like
SNP_28348B_28327043	Ca_Kabuli_Chr06	NC_021165.1	28327043	GG	AA	AA	URR	101495153	ribonuclease S-F11-like
SNP_28349B_28327235	Ca_Kabuli_Chr06	NC_021165.1	28327235	GG	AA	AA	URR	101495153	ribonuclease S-F11-like
SNP_28350B_28327241	Ca_Kabuli_Chr06	NC_021165.1	28327241	AA	TT	TT	URR	101495153	ribonuclease S-F11-like
SNP_28352B_28327975	Ca_Kabuli_Chr06	NC_021165.1	28327975	CC	TT	TT	URR	101495153	ribonuclease S-F11-like
SNP_28353B_28328440	Ca_Kabuli_Chr06	NC_021165.1	28328440	CC	AA	AA	INTERGENIC		
SNP_28354B_28330617	Ca_Kabuli_Chr06	NC_021165.1	28330617	AA	GG	GG	DRR	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28355B_28330651	Ca_Kabuli_Chr06	NC_021165.1	28330651	GG	AA	AA	DRR	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28356B_28330901	Ca_Kabuli_Chr06	NC_021165.1	28330901	TT	AA	AA	INTERGENIC		
SNP_28357B_28330934	Ca_Kabuli_Chr06	NC_021165.1	28330934	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_28358B_28331101	Ca_Kabuli_Chr06	NC_021165.1	28331101	TT	CC	CC	INTERGENIC		
SNP_28359B_28331109	Ca_Kabuli_Chr06	NC_021165.1	28331109	CC	TT	TT	INTERGENIC		
SNP_28360B_28331116	Ca_Kabuli_Chr06	NC_021165.1	28331116	AA	TT	TT	INTERGENIC		
SNP_28361B_28331136	Ca_Kabuli_Chr06	NC_021165.1	28331136	TT	CC	CC	INTERGENIC		
SNP_28362B_28332163	Ca_Kabuli_Chr06	NC_021165.1	28332163	CC	TT	TT	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28363B_28332259	Ca_Kabuli_Chr06	NC_021165.1	28332259	TT	GG	GG	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28364B_28332269	Ca_Kabuli_Chr06	NC_021165.1	28332269	AA	TT	TT	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28366B_28332367	Ca_Kabuli_Chr06	NC_021165.1	28332367	AA	CC	CC	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28367B_28332422	Ca_Kabuli_Chr06	NC_021165.1	28332422	TT	CC	CC	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28368B_28332424	Ca_Kabuli_Chr06	NC_021165.1	28332424	GG	AA	AA	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28369B_28332469	Ca_Kabuli_Chr06	NC_021165.1	28332469	CC	AA	AA	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28370B_28332489	Ca_Kabuli_Chr06	NC_021165.1	28332489	CC	TT	TT	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28371B_28332550	Ca_Kabuli_Chr06	NC_021165.1	28332550	AA	GG	GG	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28372B_28332561	Ca_Kabuli_Chr06	NC_021165.1	28332561	TT	GG	GG	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28374B_28332621	Ca_Kabuli_Chr06	NC_021165.1	28332621	TT	AA	AA	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28375B_28332630	Ca_Kabuli_Chr06	NC_021165.1	28332630	TT	GG	GG	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28376B_28332647	Ca_Kabuli_Chr06	NC_021165.1	28332647	CC	GG	GG	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28378B_28332660	Ca_Kabuli_Chr06	NC_021165.1	28332660	AA	GG	GG	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28379B_28332705	Ca_Kabuli_Chr06	NC_021165.1	28332705	TT	CC	CC	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28380B_28332722	Ca_Kabuli_Chr06	NC_021165.1	28332722	TT	CC	CC	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28381B_28332726	Ca_Kabuli_Chr06	NC_021165.1	28332726	TT	GG	GG	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28383B_28332774	Ca_Kabuli_Chr06	NC_021165.1	28332774	CC	TT	TT	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28384B_28332786	Ca_Kabuli_Chr06	NC_021165.1	28332786	GG	AA	AA	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28385B_28332883	Ca_Kabuli_Chr06	NC_021165.1	28332883	TT	CC	CC	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_28386B_28332935	Ca_Kabuli_Chr06	NC_021165.1	28332935	GG	AA	AA	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28388B_28333063	Ca_Kabuli_Chr06	NC_021165.1	28333063	AA	GG	GG	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28389B_28333177	Ca_Kabuli_Chr06	NC_021165.1	28333177	AA	GG	GG	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28390B_28333220	Ca_Kabuli_Chr06	NC_021165.1	28333220	CC	TT	TT	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28391B_28334226	Ca_Kabuli_Chr06	NC_021165.1	28334226	TT	CC	CC	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28392B_28335846	Ca_Kabuli_Chr06	NC_021165.1	28335846	GG	AA	AA	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28393B_28336773	Ca_Kabuli_Chr06	NC_021165.1	28336773	CC	TT	TT	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28394B_28336795	Ca_Kabuli_Chr06	NC_021165.1	28336795	GG	TT	TT	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28395B_28336872	Ca_Kabuli_Chr06	NC_021165.1	28336872	AA	CC	CC	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28396B_28336893	Ca_Kabuli_Chr06	NC_021165.1	28336893	TT	AA	AA	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28397B_28336896	Ca_Kabuli_Chr06	NC_021165.1	28336896	TT	AA	AA	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28398B_28336902	Ca_Kabuli_Chr06	NC_021165.1	28336902	GG	AA	AA	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28399B_28337031	Ca_Kabuli_Chr06	NC_021165.1	28337031	GG	AA	AA	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28400B_28337049	Ca_Kabuli_Chr06	NC_021165.1	28337049	CC	AA	AA	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28401B_28337130	Ca_Kabuli_Chr06	NC_021165.1	28337130	CC	AA	AA	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28402B_28337162	Ca_Kabuli_Chr06	NC_021165.1	28337162	GG	TT	TT	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28403B_28337170	Ca_Kabuli_Chr06	NC_021165.1	28337170	CC	GG	GG	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28404B_28337205	Ca_Kabuli_Chr06	NC_021165.1	28337205	TT	CC	CC	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28405B_28337230	Ca_Kabuli_Chr06	NC_021165.1	28337230	GG	AA	AA	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28406B_28337239	Ca_Kabuli_Chr06	NC_021165.1	28337239	AA	GG	GG	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28407B_28337316	Ca_Kabuli_Chr06	NC_021165.1	28337316	GG	AA	AA	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28408B_28342444	Ca_Kabuli_Chr06	NC_021165.1	28342444	GG	TT	TT	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28409B_28347151	Ca_Kabuli_Chr06	NC_021165.1	28347151	GG	TT	TT	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28410B_28350715	Ca_Kabuli_Chr06	NC_021165.1	28350715	GG	AA	AA	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_28411B_28350872	Ca_Kabuli_Chr06	NC_021165.1	28350872	TT	CC	CC	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28412B_28350958	Ca_Kabuli_Chr06	NC_021165.1	28350958	TT	CC	CC	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28413B_28350993	Ca_Kabuli_Chr06	NC_021165.1	28350993	AA	GG	GG	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28414B_28351061	Ca_Kabuli_Chr06	NC_021165.1	28351061	CC	AA	AA	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28415B_28351228	Ca_Kabuli_Chr06	NC_021165.1	28351228	GG	AA	AA	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28416B_28351378	Ca_Kabuli_Chr06	NC_021165.1	28351378	CC	TT	TT	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28417B_28353434	Ca_Kabuli_Chr06	NC_021165.1	28353434	AA	TT	TT	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28418B_28354495	Ca_Kabuli_Chr06	NC_021165.1	28354495	GG	TT	TT	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28419B_28354828	Ca_Kabuli_Chr06	NC_021165.1	28354828	TT	CC	CC	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28421B_28354982	Ca_Kabuli_Chr06	NC_021165.1	28354982	TT	CC	CC	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28422B_28355011	Ca_Kabuli_Chr06	NC_021165.1	28355011	TT	CC	CC	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28423B_28355086	Ca_Kabuli_Chr06	NC_021165.1	28355086	GG	AA	AA	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28424B_28355195	Ca_Kabuli_Chr06	NC_021165.1	28355195	GG	TT	TT	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28425B_28355225	Ca_Kabuli_Chr06	NC_021165.1	28355225	TT	AA	AA	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28426B_28355628	Ca_Kabuli_Chr06	NC_021165.1	28355628	TT	CC	CC	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28427B_28355844	Ca_Kabuli_Chr06	NC_021165.1	28355844	CC	TT	TT	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28428B_28356046	Ca_Kabuli_Chr06	NC_021165.1	28356046	AA	GG	GG	INTRON	101495477	delta-1-pyrroline-5-carboxylate synthase-like
SNP_28429B_28388227	Ca_Kabuli_Chr06	NC_021165.1	28388227	CC	TT	TT	INTERGENIC		
SNP_28430B_28388247	Ca_Kabuli_Chr06	NC_021165.1	28388247	TT	CC	CC	INTERGENIC		
SNP_28431B_28394270	Ca_Kabuli_Chr06	NC_021165.1	28394270	TT	CC	CC	INTERGENIC		
SNP_28433B_28442088	Ca_Kabuli_Chr06	NC_021165.1	28442088	TT	CC	CC	INTERGENIC		
SNP_28434B_28442157	Ca_Kabuli_Chr06	NC_021165.1	28442157	CC	TT	TT	INTERGENIC		
SNP_28435B_28442161	Ca_Kabuli_Chr06	NC_021165.1	28442161	GG	AA	AA	INTERGENIC		
SNP_28436B_28442162	Ca_Kabuli_Chr06	NC_021165.1	28442162	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_28437B_28442301	Ca_Kabuli_Chr06	NC_021165.1	28442301	AA	CC	CC	INTERGENIC		
SNP_28438B_28442360	Ca_Kabuli_Chr06	NC_021165.1	28442360	AA	GG	GG	INTERGENIC		
SNP_28439B_28442900	Ca_Kabuli_Chr06	NC_021165.1	28442900	CC	TT	TT	INTERGENIC		
SNP_28440B_28443119	Ca_Kabuli_Chr06	NC_021165.1	28443119	TT	CC	CC	INTERGENIC		
SNP_28441B_28443167	Ca_Kabuli_Chr06	NC_021165.1	28443167	TT	AA	AA	INTERGENIC		
SNP_28442B_28443182	Ca_Kabuli_Chr06	NC_021165.1	28443182	GG	AA	AA	INTERGENIC		
SNP_28445B_28443714	Ca_Kabuli_Chr06	NC_021165.1	28443714	TT	CC	CC	INTERGENIC		
SNP_28446B_28443917	Ca_Kabuli_Chr06	NC_021165.1	28443917	AA	TT	TT	INTERGENIC		
SNP_28447B_28443918	Ca_Kabuli_Chr06	NC_021165.1	28443918	TT	AA	AA	INTERGENIC		
SNP_28448B_28444022	Ca_Kabuli_Chr06	NC_021165.1	28444022	CC	TT	TT	INTERGENIC		
SNP_28449B_28444079	Ca_Kabuli_Chr06	NC_021165.1	28444079	CC	GG	GG	INTERGENIC		
SNP_28450B_28444153	Ca_Kabuli_Chr06	NC_021165.1	28444153	CC	TT	TT	INTERGENIC		
SNP_28451B_28444181	Ca_Kabuli_Chr06	NC_021165.1	28444181	GG	CC	CC	INTERGENIC		
SNP_28452B_28444404	Ca_Kabuli_Chr06	NC_021165.1	28444404	GG	AA	AA	INTERGENIC		
SNP_28453B_28444509	Ca_Kabuli_Chr06	NC_021165.1	28444509	AA	GG	GG	INTERGENIC		
SNP_28454B_28444517	Ca_Kabuli_Chr06	NC_021165.1	28444517	CC	TT	TT	INTERGENIC		
SNP_28455B_28444553	Ca_Kabuli_Chr06	NC_021165.1	28444553	AA	GG	GG	INTERGENIC		
SNP_28456B_28444562	Ca_Kabuli_Chr06	NC_021165.1	28444562	AA	CC	CC	INTERGENIC		
SNP_28457B_28444565	Ca_Kabuli_Chr06	NC_021165.1	28444565	CC	TT	TT	INTERGENIC		
SNP_28458B_28445005	Ca_Kabuli_Chr06	NC_021165.1	28445005	GG	TT	TT	INTERGENIC		
SNP_28459B_28445089	Ca_Kabuli_Chr06	NC_021165.1	28445089	GG	TT	TT	INTERGENIC		
SNP_28460B_28503501	Ca_Kabuli_Chr06	NC_021165.1	28503501	CC	TT	TT	URR	101496455	cysteine synthase-like
SNP_28461B_28503510	Ca_Kabuli_Chr06	NC_021165.1	28503510	AA	GG	GG	URR	101496455	cysteine synthase-like
SNP_28462B_28503513	Ca_Kabuli_Chr06	NC_021165.1	28503513	GG	TT	TT	URR	101496455	cysteine synthase-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_28463B_28503574	Ca_Kabuli_Chr06	NC_021165.1	28503574	GG	AA	AA	URR	101496455	cysteine synthase-like
SNP_28464B_28503750	Ca_Kabuli_Chr06	NC_021165.1	28503750	AA	GG	GG	URR	101496455	cysteine synthase-like
SNP_28465B_28505340	Ca_Kabuli_Chr06	NC_021165.1	28505340	GG	TT	TT	INTERGENIC		
SNP_28466B_28511308	Ca_Kabuli_Chr06	NC_021165.1	28511308	TT	GG	GG	INTERGENIC		
SNP_28467B_28511331	Ca_Kabuli_Chr06	NC_021165.1	28511331	AA	CC	CC	INTERGENIC		
SNP_28468B_28511333	Ca_Kabuli_Chr06	NC_021165.1	28511333	TT	AA	AA	INTERGENIC		
SNP_28469B_28511349	Ca_Kabuli_Chr06	NC_021165.1	28511349	GG	TT	TT	INTERGENIC		
SNP_28470B_28511406	Ca_Kabuli_Chr06	NC_021165.1	28511406	GG	AA	AA	INTERGENIC		
SNP_28471B_28513487	Ca_Kabuli_Chr06	NC_021165.1	28513487	GG	TT	TT	INTERGENIC		
SNP_28472B_28513491	Ca_Kabuli_Chr06	NC_021165.1	28513491	TT	CC	CC	INTERGENIC		
SNP_28474B_28514150	Ca_Kabuli_Chr06	NC_021165.1	28514150	CC	GG	GG	INTERGENIC		
SNP_28475B_28518347	Ca_Kabuli_Chr06	NC_021165.1	28518347	GG	AA	AA	INTERGENIC		
SNP_28479B_28521046	Ca_Kabuli_Chr06	NC_021165.1	28521046	CC	TT	TT	INTERGENIC		
SNP_28481B_28521107	Ca_Kabuli_Chr06	NC_021165.1	28521107	TT	CC	CC	INTERGENIC		
SNP_28482B_28521123	Ca_Kabuli_Chr06	NC_021165.1	28521123	CC	TT	TT	INTERGENIC		
SNP_28483B_28521222	Ca_Kabuli_Chr06	NC_021165.1	28521222	AA	TT	TT	INTERGENIC		
SNP_28484B_28521272	Ca_Kabuli_Chr06	NC_021165.1	28521272	TT	AA	AA	INTERGENIC		
SNP_28485B_28521312	Ca_Kabuli_Chr06	NC_021165.1	28521312	GG	AA	AA	INTERGENIC		
SNP_28486B_28521575	Ca_Kabuli_Chr06	NC_021165.1	28521575	AA	CC	CC	INTERGENIC		
SNP_28487B_28521576	Ca_Kabuli_Chr06	NC_021165.1	28521576	AA	TT	TT	INTERGENIC		
SNP_28488B_28521618	Ca_Kabuli_Chr06	NC_021165.1	28521618	TT	GG	GG	INTERGENIC		
SNP_28489B_28521788	Ca_Kabuli_Chr06	NC_021165.1	28521788	AA	GG	GG	INTERGENIC		
SNP_28490B_28537120	Ca_Kabuli_Chr06	NC_021165.1	28537120	CC	GG	GG	INTERGENIC		
SNP_28491B_28537166	Ca_Kabuli_Chr06	NC_021165.1	28537166	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_28492B_28546529	Ca_Kabuli_Chr06	NC_021165.1	28546529	CC	GG	GG	SYNONYMOUS_CODING	101488450	ribonuclease DdI-like
SNP_28493B_28546531	Ca_Kabuli_Chr06	NC_021165.1	28546531	CC	AA	AA	NON_SYNONYMOUS_CODING	101488450	ribonuclease DdI-like
SNP_28495B_28785380	Ca_Kabuli_Chr06	NC_021165.1	28785380	AA	GG	GG	INTERGENIC		
SNP_28496B_28821556	Ca_Kabuli_Chr06	NC_021165.1	28821556	AA	GG	GG	INTERGENIC		
SNP_28497B_28821565	Ca_Kabuli_Chr06	NC_021165.1	28821565	CC	TT	TT	INTERGENIC		
SNP_28498B_28821608	Ca_Kabuli_Chr06	NC_021165.1	28821608	TT	AA	AA	INTERGENIC		
SNP_28499B_28821723	Ca_Kabuli_Chr06	NC_021165.1	28821723	TT	CC	CC	INTERGENIC		
SNP_28500B_28821765	Ca_Kabuli_Chr06	NC_021165.1	28821765	TT	CC	CC	INTERGENIC		
SNP_28501B_28821825	Ca_Kabuli_Chr06	NC_021165.1	28821825	TT	CC	CC	INTERGENIC		
SNP_28502B_28821961	Ca_Kabuli_Chr06	NC_021165.1	28821961	GG	AA	AA	INTERGENIC		
SNP_28503B_28821968	Ca_Kabuli_Chr06	NC_021165.1	28821968	TT	CC	CC	INTERGENIC		
SNP_28504B_28821974	Ca_Kabuli_Chr06	NC_021165.1	28821974	CC	TT	TT	INTERGENIC		
SNP_28505B_28821985	Ca_Kabuli_Chr06	NC_021165.1	28821985	CC	TT	TT	INTERGENIC		
SNP_28506B_28821986	Ca_Kabuli_Chr06	NC_021165.1	28821986	AA	GG	GG	INTERGENIC		
SNP_28507B_28822021	Ca_Kabuli_Chr06	NC_021165.1	28822021	TT	GG	GG	INTERGENIC		
SNP_28508B_28822053	Ca_Kabuli_Chr06	NC_021165.1	28822053	AA	CC	CC	INTERGENIC		
SNP_28509B_28822090	Ca_Kabuli_Chr06	NC_021165.1	28822090	AA	GG	GG	INTERGENIC		
SNP_28510B_28822093	Ca_Kabuli_Chr06	NC_021165.1	28822093	AA	GG	GG	INTERGENIC		
SNP_28511B_28822099	Ca_Kabuli_Chr06	NC_021165.1	28822099	TT	AA	AA	INTERGENIC		
SNP_28512B_28822113	Ca_Kabuli_Chr06	NC_021165.1	28822113	GG	AA	AA	INTERGENIC		
SNP_28513B_28822172	Ca_Kabuli_Chr06	NC_021165.1	28822172	TT	GG	GG	INTERGENIC		
SNP_28514B_28822184	Ca_Kabuli_Chr06	NC_021165.1	28822184	AA	GG	GG	INTERGENIC		
SNP_28515B_28822193	Ca_Kabuli_Chr06	NC_021165.1	28822193	AA	GG	GG	INTERGENIC		
SNP_28516B_28822194	Ca_Kabuli_Chr06	NC_021165.1	28822194	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_28517B_28825491	Ca_Kabuli_Chr06	NC_021165.1	28825491	TT	AA	AA	INTERGENIC		
SNP_28519B_28878917	Ca_Kabuli_Chr06	NC_021165.1	28878917	TT	CC	CC	INTERGENIC		
SNP_28520B_28943020	Ca_Kabuli_Chr06	NC_021165.1	28943020	TT	CC	CC	URR	101505360	putative uncharacterized protein DDB_G0277255
SNP_28521B_29063436	Ca_Kabuli_Chr06	NC_021165.1	29063436	AA	GG	GG	INTERGENIC		
SNP_28522B_29070943	Ca_Kabuli_Chr06	NC_021165.1	29070943	GG	AA	AA	INTERGENIC		
SNP_28523B_29070944	Ca_Kabuli_Chr06	NC_021165.1	29070944	CC	TT	TT	INTERGENIC		
SNP_28525B_29177617	Ca_Kabuli_Chr06	NC_021165.1	29177617	AA	CC	CC	INTERGENIC		
SNP_28526B_29177662	Ca_Kabuli_Chr06	NC_021165.1	29177662	AA	GG	GG	INTERGENIC		
SNP_28527B_29177666	Ca_Kabuli_Chr06	NC_021165.1	29177666	AA	GG	GG	INTERGENIC		
SNP_28528B_29185012	Ca_Kabuli_Chr06	NC_021165.1	29185012	GG	AA	AA	INTERGENIC		
SNP_28529B_29185028	Ca_Kabuli_Chr06	NC_021165.1	29185028	TT	GG	GG	INTERGENIC		
SNP_28530B_29185039	Ca_Kabuli_Chr06	NC_021165.1	29185039	AA	GG	GG	INTERGENIC		
SNP_28531B_29185075	Ca_Kabuli_Chr06	NC_021165.1	29185075	TT	CC	CC	INTERGENIC		
SNP_28532B_29185099	Ca_Kabuli_Chr06	NC_021165.1	29185099	GG	AA	AA	INTERGENIC		
SNP_28533B_29185102	Ca_Kabuli_Chr06	NC_021165.1	29185102	GG	AA	AA	INTERGENIC		
SNP_28534B_29185197	Ca_Kabuli_Chr06	NC_021165.1	29185197	AA	TT	TT	INTERGENIC		
SNP_28535B_29185203	Ca_Kabuli_Chr06	NC_021165.1	29185203	TT	CC	CC	INTERGENIC		
SNP_28536B_29185206	Ca_Kabuli_Chr06	NC_021165.1	29185206	GG	AA	AA	INTERGENIC		
SNP_28537B_29185209	Ca_Kabuli_Chr06	NC_021165.1	29185209	AA	GG	GG	INTERGENIC		
SNP_28538B_29185224	Ca_Kabuli_Chr06	NC_021165.1	29185224	TT	AA	AA	INTERGENIC		
SNP_28539B_29185239	Ca_Kabuli_Chr06	NC_021165.1	29185239	CC	TT	TT	INTERGENIC		
SNP_28540B_29185240	Ca_Kabuli_Chr06	NC_021165.1	29185240	CC	TT	TT	INTERGENIC		
SNP_28541B_29185241	Ca_Kabuli_Chr06	NC_021165.1	29185241	AA	TT	TT	INTERGENIC		
SNP_28542B_29185257	Ca_Kabuli_Chr06	NC_021165.1	29185257	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_28543B_29185291	Ca_Kabuli_Chr06	NC_021165.1	29185291	GG	CC	CC	INTERGENIC		
SNP_28544B_29185292	Ca_Kabuli_Chr06	NC_021165.1	29185292	CC	TT	TT	INTERGENIC		
SNP_28545B_29185318	Ca_Kabuli_Chr06	NC_021165.1	29185318	AA	GG	GG	INTERGENIC		
SNP_28546B_29185479	Ca_Kabuli_Chr06	NC_021165.1	29185479	AA	CC	GG	INTERGENIC		
SNP_28548B_29283571	Ca_Kabuli_Chr06	NC_021165.1	29283571	GG	AA	AA	INTERGENIC		
SNP_28549B_29290184	Ca_Kabuli_Chr06	NC_021165.1	29290184	GG	AA	AA	URR	101410586	transfer RNA asparagine (anticodon GUU)
SNP_28550B_29290879	Ca_Kabuli_Chr06	NC_021165.1	29290879	AA	GG	GG	URR	101410586	transfer RNA asparagine (anticodon GUU)
SNP_28551B_29316800	Ca_Kabuli_Chr06	NC_021165.1	29316800	TT	GG	GG	INTERGENIC		
SNP_28553B_29488522	Ca_Kabuli_Chr06	NC_021165.1	29488522	TT	GG	GG	INTERGENIC		
SNP_28554B_29488569	Ca_Kabuli_Chr06	NC_021165.1	29488569	CC	AA	AA	INTERGENIC		
SNP_28555B_29488581	Ca_Kabuli_Chr06	NC_021165.1	29488581	GG	AA	AA	INTERGENIC		
SNP_28556B_29488620	Ca_Kabuli_Chr06	NC_021165.1	29488620	AA	CC	CC	INTERGENIC		
SNP_28557B_29488782	Ca_Kabuli_Chr06	NC_021165.1	29488782	TT	CC	CC	INTERGENIC		
SNP_28558B_29492032	Ca_Kabuli_Chr06	NC_021165.1	29492032	TT	CC	CC	INTERGENIC		
SNP_28559B_29492078	Ca_Kabuli_Chr06	NC_021165.1	29492078	AA	GG	GG	INTERGENIC		
SNP_28560B_29500141	Ca_Kabuli_Chr06	NC_021165.1	29500141	AA	GG	GG	INTERGENIC		
SNP_28561B_29500162	Ca_Kabuli_Chr06	NC_021165.1	29500162	TT	CC	CC	INTERGENIC		
SNP_28562B_29500192	Ca_Kabuli_Chr06	NC_021165.1	29500192	TT	CC	CC	INTERGENIC		
SNP_28563B_29500228	Ca_Kabuli_Chr06	NC_021165.1	29500228	CC	TT	TT	INTERGENIC		
SNP_28564B_29500802	Ca_Kabuli_Chr06	NC_021165.1	29500802	AA	GG	GG	INTERGENIC		
SNP_28565B_29523568	Ca_Kabuli_Chr06	NC_021165.1	29523568	GG	AA	AA	INTERGENIC		
SNP_28566B_29523593	Ca_Kabuli_Chr06	NC_021165.1	29523593	TT	GG	GG	INTERGENIC		
SNP_28567B_29523595	Ca_Kabuli_Chr06	NC_021165.1	29523595	AA	GG	GG	INTERGENIC		
SNP_28568B_29523596	Ca_Kabuli_Chr06	NC_021165.1	29523596	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_28569B_29536077	Ca_Kabuli_Chr06	NC_021165.1	29536077	AA	GG	GG	INTERGENIC		
SNP_28570B_29536096	Ca_Kabuli_Chr06	NC_021165.1	29536096	CC	TT	TT	INTERGENIC		
SNP_28571B_29536193	Ca_Kabuli_Chr06	NC_021165.1	29536193	CC	TT	TT	INTERGENIC		
SNP_28573B_29536251	Ca_Kabuli_Chr06	NC_021165.1	29536251	CC	TT	TT	INTERGENIC		
SNP_28574B_29557208	Ca_Kabuli_Chr06	NC_021165.1	29557208	AA	TT	TT	INTERGENIC		
SNP_28575B_29557490	Ca_Kabuli_Chr06	NC_021165.1	29557490	TT	GG	GG	INTERGENIC		
SNP_28576B_29669062	Ca_Kabuli_Chr06	NC_021165.1	29669062	CC	TT	TT	INTERGENIC		
SNP_28577B_29669192	Ca_Kabuli_Chr06	NC_021165.1	29669192	GG	AA	AA	INTERGENIC		
SNP_28578B_29669216	Ca_Kabuli_Chr06	NC_021165.1	29669216	CC	AA	AA	INTERGENIC		
SNP_28579B_29678351	Ca_Kabuli_Chr06	NC_021165.1	29678351	TT	GG	GG	INTERGENIC		
SNP_28580B_29711060	Ca_Kabuli_Chr06	NC_021165.1	29711060	AA	CC	CC	INTERGENIC		
SNP_28581B_29711127	Ca_Kabuli_Chr06	NC_021165.1	29711127	AA	GG	GG	INTERGENIC		
SNP_28582B_29711641	Ca_Kabuli_Chr06	NC_021165.1	29711641	TT	GG	GG	INTERGENIC		
SNP_28583B_29713692	Ca_Kabuli_Chr06	NC_021165.1	29713692	CC	TT	TT	INTERGENIC		
SNP_28584B_29715995	Ca_Kabuli_Chr06	NC_021165.1	29715995	AA	CC	CC	INTERGENIC		
SNP_28585B_29716576	Ca_Kabuli_Chr06	NC_021165.1	29716576	AA	GG	GG	INTERGENIC		
SNP_28586B_29716592	Ca_Kabuli_Chr06	NC_021165.1	29716592	TT	AA	AA	INTERGENIC		
SNP_28587B_29724604	Ca_Kabuli_Chr06	NC_021165.1	29724604	TT	AA	AA	INTERGENIC		
SNP_28588B_29724848	Ca_Kabuli_Chr06	NC_021165.1	29724848	CC	TT	TT	INTERGENIC		
SNP_28589B_29724909	Ca_Kabuli_Chr06	NC_021165.1	29724909	AA	TT	TT	INTERGENIC		
SNP_28590B_29747947	Ca_Kabuli_Chr06	NC_021165.1	29747947	AA	CC	CC	INTRON	101494298	axial regulator YABBY 1-like
SNP_28591B_29784853	Ca_Kabuli_Chr06	NC_021165.1	29784853	TT	CC	CC	INTERGENIC		
SNP_28592B_29784919	Ca_Kabuli_Chr06	NC_021165.1	29784919	AA	GG	GG	INTERGENIC		
SNP_28593B_29784951	Ca_Kabuli_Chr06	NC_021165.1	29784951	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_28594B_29785043	Ca_Kabuli_Chr06	NC_021165.1	29785043	AA	TT	TT	INTERGENIC		
SNP_28595B_29785057	Ca_Kabuli_Chr06	NC_021165.1	29785057	TT	GG	GG	INTERGENIC		
SNP_28596B_29785080	Ca_Kabuli_Chr06	NC_021165.1	29785080	CC	TT	TT	INTERGENIC		
SNP_28597B_29785141	Ca_Kabuli_Chr06	NC_021165.1	29785141	TT	GG	GG	INTERGENIC		
SNP_28598B_29785156	Ca_Kabuli_Chr06	NC_021165.1	29785156	AA	TT	TT	INTERGENIC		
SNP_28599B_29785160	Ca_Kabuli_Chr06	NC_021165.1	29785160	AA	GG	GG	INTERGENIC		
SNP_28600B_29785193	Ca_Kabuli_Chr06	NC_021165.1	29785193	TT	AA	AA	INTERGENIC		
SNP_28601B_29909319	Ca_Kabuli_Chr06	NC_021165.1	29909319	CC	AA	AA	INTERGENIC		
SNP_28602B_29909323	Ca_Kabuli_Chr06	NC_021165.1	29909323	AA	TT	TT	INTERGENIC		
SNP_28603B_29909325	Ca_Kabuli_Chr06	NC_021165.1	29909325	GG	TT	TT	INTERGENIC		
SNP_28604B_29909535	Ca_Kabuli_Chr06	NC_021165.1	29909535	TT	CC	CC	INTERGENIC		
SNP_28605B_29909631	Ca_Kabuli_Chr06	NC_021165.1	29909631	AA	GG	GG	INTERGENIC		
SNP_28606B_29940794	Ca_Kabuli_Chr06	NC_021165.1	29940794	TT	CC	CC	DRR	101497438	uncharacterized LOC101497438
SNP_28607B_30149738	Ca_Kabuli_Chr06	NC_021165.1	30149738	GG	AA	AA	INTERGENIC		
SNP_28608B_30153852	Ca_Kabuli_Chr06	NC_021165.1	30153852	GG	AA	AA	INTERGENIC		
SNP_28609B_30155934	Ca_Kabuli_Chr06	NC_021165.1	30155934	GG	AA	AA	INTERGENIC		
SNP_28610B_30165897	Ca_Kabuli_Chr06	NC_021165.1	30165897	TT	GG	GG	INTERGENIC		
SNP_28611B_30165925	Ca_Kabuli_Chr06	NC_021165.1	30165925	TT	CC	CC	INTERGENIC		
SNP_28612B_30165929	Ca_Kabuli_Chr06	NC_021165.1	30165929	TT	GG	GG	INTERGENIC		
SNP_28613B_30165937	Ca_Kabuli_Chr06	NC_021165.1	30165937	GG	AA	AA	INTERGENIC		
SNP_28614B_30166250	Ca_Kabuli_Chr06	NC_021165.1	30166250	GG	AA	AA	INTERGENIC		
SNP_28615B_30166255	Ca_Kabuli_Chr06	NC_021165.1	30166255	AA	GG	GG	INTERGENIC		
SNP_28616B_30166256	Ca_Kabuli_Chr06	NC_021165.1	30166256	AA	GG	GG	INTERGENIC		
SNP_28617B_30167298	Ca_Kabuli_Chr06	NC_021165.1	30167298	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_28618B_30167307	Ca_Kabuli_Chr06	NC_021165.1	30167307	AA	GG	GG	INTERGENIC		
SNP_28619B_30167315	Ca_Kabuli_Chr06	NC_021165.1	30167315	AA	CC	CC	INTERGENIC		
SNP_28620B_30167328	Ca_Kabuli_Chr06	NC_021165.1	30167328	TT	CC	CC	INTERGENIC		
SNP_28621B_30167346	Ca_Kabuli_Chr06	NC_021165.1	30167346	GG	AA	AA	INTERGENIC		
SNP_28622B_30253537	Ca_Kabuli_Chr06	NC_021165.1	30253537	GG	AA	AA	INTERGENIC		
SNP_28623B_30264982	Ca_Kabuli_Chr06	NC_021165.1	30264982	AA	CC	CC	INTERGENIC		
SNP_28624B_30265027	Ca_Kabuli_Chr06	NC_021165.1	30265027	CC	TT	TT	INTERGENIC		
SNP_28625B_30265326	Ca_Kabuli_Chr06	NC_021165.1	30265326	AA	TT	TT	INTERGENIC		
SNP_28626B_30344073	Ca_Kabuli_Chr06	NC_021165.1	30344073	AA	GG	GG	INTERGENIC		
SNP_28627B_30383144	Ca_Kabuli_Chr06	NC_021165.1	30383144	GG	AA	AA	URR	101494924	uncharacterized LOC101494924
SNP_28628B_30383540	Ca_Kabuli_Chr06	NC_021165.1	30383540	CC	TT	TT	URR	101494924	uncharacterized LOC101494924
SNP_28629B_30399802	Ca_Kabuli_Chr06	NC_021165.1	30399802	CC	TT	TT	INTERGENIC		
SNP_28630B_30419807	Ca_Kabuli_Chr06	NC_021165.1	30419807	AA	TT	TT	URR	101504092	arogenate dehydratase/prephenate dehydratase 6, chloroplastic-like
SNP_28632B_30480933	Ca_Kabuli_Chr06	NC_021165.1	30480933	TT	AA	AA	INTERGENIC		
SNP_28633B_30499682	Ca_Kabuli_Chr06	NC_021165.1	30499682	CC	TT	TT	INTERGENIC		
SNP_28634B_30499687	Ca_Kabuli_Chr06	NC_021165.1	30499687	AA	GG	GG	INTERGENIC		
SNP_28635B_30587869	Ca_Kabuli_Chr06	NC_021165.1	30587869	AA	GG	GG	INTERGENIC		
SNP_28636B_30588174	Ca_Kabuli_Chr06	NC_021165.1	30588174	AA	CC	CC	INTERGENIC		
SNP_28638B_30678651	Ca_Kabuli_Chr06	NC_021165.1	30678651	CC	AA	AA	URR	101509758	elongation factor 2-like
SNP_28639B_30678707	Ca_Kabuli_Chr06	NC_021165.1	30678707	AA	GG	GG	URR	101509758	elongation factor 2-like
SNP_28640B_30678729	Ca_Kabuli_Chr06	NC_021165.1	30678729	CC	TT	TT	URR	101509758	elongation factor 2-like
SNP_28641B_30678756	Ca_Kabuli_Chr06	NC_021165.1	30678756	CC	TT	TT	URR	101509758	elongation factor 2-like
SNP_28643B_30678877	Ca_Kabuli_Chr06	NC_021165.1	30678877	GG	TT	TT	URR	101509758	elongation factor 2-like
SNP_28644B_30678878	Ca_Kabuli_Chr06	NC_021165.1	30678878	TT	GG	GG	URR	101509758	elongation factor 2-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_28645B_30678891	Ca_Kabuli_Chr06	NC_021165.1	30678891	TT	GG	GG	URR	101509758	elongation factor 2-like
SNP_28646B_30678902	Ca_Kabuli_Chr06	NC_021165.1	30678902	AA	GG	GG	URR	101509758	elongation factor 2-like
SNP_28647B_30678990	Ca_Kabuli_Chr06	NC_021165.1	30678990	AA	TT	TT	URR	101509758	elongation factor 2-like
SNP_28648B_30691160	Ca_Kabuli_Chr06	NC_021165.1	30691160	TT	CC	CC	INTERGENIC		
SNP_28651B_30725397	Ca_Kabuli_Chr06	NC_021165.1	30725397	TT	AA	AA	URR	101510504	uncharacterized LOC101510504
SNP_28652B_30752297	Ca_Kabuli_Chr06	NC_021165.1	30752297	AA	GG	GG	INTERGENIC		
SNP_28653B_30752677	Ca_Kabuli_Chr06	NC_021165.1	30752677	AA	CC	CC	INTERGENIC		
SNP_28654B_30752685	Ca_Kabuli_Chr06	NC_021165.1	30752685	AA	GG	GG	INTERGENIC		
SNP_28655B_30752704	Ca_Kabuli_Chr06	NC_021165.1	30752704	AA	GG	GG	INTERGENIC		
SNP_28656B_30752746	Ca_Kabuli_Chr06	NC_021165.1	30752746	GG	AA	AA	INTERGENIC		
SNP_28658B_30988987	Ca_Kabuli_Chr06	NC_021165.1	30988987	GG	TT	TT	INTERGENIC		
SNP_28659B_31033780	Ca_Kabuli_Chr06	NC_021165.1	31033780	TT	CC	CC	INTRON	101492575	rho GTPase-activating protein 1
SNP_28660B_31096871	Ca_Kabuli_Chr06	NC_021165.1	31096871	CC	AA	AA	INTERGENIC		
SNP_28661B_31096873	Ca_Kabuli_Chr06	NC_021165.1	31096873	AA	GG	GG	INTERGENIC		
SNP_28662B_31097018	Ca_Kabuli_Chr06	NC_021165.1	31097018	CC	TT	TT	INTERGENIC		
SNP_28663B_31097043	Ca_Kabuli_Chr06	NC_021165.1	31097043	TT	CC	CC	INTERGENIC		
SNP_28664B_31097088	Ca_Kabuli_Chr06	NC_021165.1	31097088	GG	TT	TT	INTERGENIC		
SNP_28666B_31097195	Ca_Kabuli_Chr06	NC_021165.1	31097195	CC	GG	GG	INTERGENIC		
SNP_28668B_31097321	Ca_Kabuli_Chr06	NC_021165.1	31097321	GG	AA	AA	INTERGENIC		
SNP_28669B_31097404	Ca_Kabuli_Chr06	NC_021165.1	31097404	TT	AA	AA	INTERGENIC		
SNP_28670B_31097425	Ca_Kabuli_Chr06	NC_021165.1	31097425	AA	GG	GG	INTERGENIC		
SNP_28671B_31097492	Ca_Kabuli_Chr06	NC_021165.1	31097492	TT	CC	CC	INTERGENIC		
SNP_28672B_31097583	Ca_Kabuli_Chr06	NC_021165.1	31097583	GG	CC	CC	INTERGENIC		
SNP_28673B_31097606	Ca_Kabuli_Chr06	NC_021165.1	31097606	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_28674B_31097617	Ca_Kabuli_Chr06	NC_021165.1	31097617	CC	TT	TT	INTERGENIC		
SNP_28675B_31097625	Ca_Kabuli_Chr06	NC_021165.1	31097625	TT	GG	GG	INTERGENIC		
SNP_28676B_31097626	Ca_Kabuli_Chr06	NC_021165.1	31097626	TT	CC	CC	INTERGENIC		
SNP_28677B_31097688	Ca_Kabuli_Chr06	NC_021165.1	31097688	TT	GG	GG	INTERGENIC		
SNP_28678B_31099455	Ca_Kabuli_Chr06	NC_021165.1	31099455	TT	AA	AA	INTERGENIC		
SNP_28680B_31099590	Ca_Kabuli_Chr06	NC_021165.1	31099590	TT	CC	CC	INTERGENIC		
SNP_28681B_31099616	Ca_Kabuli_Chr06	NC_021165.1	31099616	AA	GG	GG	INTERGENIC		
SNP_28682B_31099641	Ca_Kabuli_Chr06	NC_021165.1	31099641	TT	CC	CC	INTERGENIC		
SNP_28683B_31121569	Ca_Kabuli_Chr06	NC_021165.1	31121569	GG	CC	CC	INTERGENIC		
SNP_28684B_31121576	Ca_Kabuli_Chr06	NC_021165.1	31121576	GG	CC	CC	INTERGENIC		
SNP_28685B_31123575	Ca_Kabuli_Chr06	NC_021165.1	31123575	TT	CC	CC	INTERGENIC		
SNP_28686B_31131495	Ca_Kabuli_Chr06	NC_021165.1	31131495	GG	AA	AA	INTERGENIC		
SNP_28688B_31163108	Ca_Kabuli_Chr06	NC_021165.1	31163108	AA	GG	GG	INTERGENIC		
SNP_28689B_31163158	Ca_Kabuli_Chr06	NC_021165.1	31163158	CC	AA	AA	INTERGENIC		
SNP_28690B_31163855	Ca_Kabuli_Chr06	NC_021165.1	31163855	TT	GG	GG	INTERGENIC		
SNP_28691B_31168674	Ca_Kabuli_Chr06	NC_021165.1	31168674	TT	CC	CC	DRR	101490089	uncharacterized LOC101490089
SNP_28692B_31168731	Ca_Kabuli_Chr06	NC_021165.1	31168731	AA	GG	GG	DRR	101490089	uncharacterized LOC101490089
SNP_28693B_31168835	Ca_Kabuli_Chr06	NC_021165.1	31168835	TT	CC	CC	DRR	101490089	uncharacterized LOC101490089
SNP_28694B_31168838	Ca_Kabuli_Chr06	NC_021165.1	31168838	TT	AA	AA	DRR	101490089	uncharacterized LOC101490089
SNP_28695B_31168875	Ca_Kabuli_Chr06	NC_021165.1	31168875	CC	AA	AA	DRR	101490089	uncharacterized LOC101490089
SNP_28696B_31168902	Ca_Kabuli_Chr06	NC_021165.1	31168902	TT	AA	AA	NON_SYNONYMOUS_CODING	101490089	uncharacterized LOC101490089
SNP_28697B_31168932	Ca_Kabuli_Chr06	NC_021165.1	31168932	GG	AA	AA	NON_SYNONYMOUS_CODING	101490089	uncharacterized LOC101490089
SNP_28698B_31169006	Ca_Kabuli_Chr06	NC_021165.1	31169006	CC	AA	AA	SYNONYMOUS_CODING	101490089	uncharacterized LOC101490089
SNP_28699B_31169044	Ca_Kabuli_Chr06	NC_021165.1	31169044	AA	CC	CC	NON_SYNONYMOUS_CODING	101490089	uncharacterized LOC101490089

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_28700B_31169057	Ca_Kabuli_Chr06	NC_021165.1	31169057	GG	AA	AA	SYNONYMOUS_CODING	101490089	uncharacterized LOC101490089
SNP_28701B_31169088	Ca_Kabuli_Chr06	NC_021165.1	31169088	GG	AA	AA	NON_SYNONYMOUS_CODING	101490089	uncharacterized LOC101490089
SNP_28702B_31169102	Ca_Kabuli_Chr06	NC_021165.1	31169102	AA	GG	GG	INTRON	101490089	uncharacterized LOC101490089
SNP_28703B_31180115	Ca_Kabuli_Chr06	NC_021165.1	31180115	AA	TT	TT	INTERGENIC		
SNP_28704B_31180129	Ca_Kabuli_Chr06	NC_021165.1	31180129	GG	TT	TT	INTERGENIC		
SNP_28705B_31180133	Ca_Kabuli_Chr06	NC_021165.1	31180133	AA	GG	GG	INTERGENIC		
SNP_28706B_31184208	Ca_Kabuli_Chr06	NC_021165.1	31184208	CC	GG	GG	INTERGENIC		
SNP_28707B_31184218	Ca_Kabuli_Chr06	NC_021165.1	31184218	AA	GG	GG	INTERGENIC		
SNP_28708B_31184278	Ca_Kabuli_Chr06	NC_021165.1	31184278	AA	GG	GG	INTERGENIC		
SNP_28709B_31184298	Ca_Kabuli_Chr06	NC_021165.1	31184298	AA	CC	CC	INTERGENIC		
SNP_28710B_31187319	Ca_Kabuli_Chr06	NC_021165.1	31187319	TT	CC	CC	INTERGENIC		
SNP_28711B_31187320	Ca_Kabuli_Chr06	NC_021165.1	31187320	GG	AA	AA	INTERGENIC		
SNP_28712B_31187332	Ca_Kabuli_Chr06	NC_021165.1	31187332	GG	AA	AA	INTERGENIC		
SNP_28713B_31187337	Ca_Kabuli_Chr06	NC_021165.1	31187337	CC	TT	TT	INTERGENIC		
SNP_28714B_31187362	Ca_Kabuli_Chr06	NC_021165.1	31187362	GG	TT	TT	INTERGENIC		
SNP_28715B_31187367	Ca_Kabuli_Chr06	NC_021165.1	31187367	TT	AA	AA	INTERGENIC		
SNP_28716B_31187391	Ca_Kabuli_Chr06	NC_021165.1	31187391	GG	AA	AA	INTERGENIC		
SNP_28717B_31187409	Ca_Kabuli_Chr06	NC_021165.1	31187409	AA	GG	GG	INTERGENIC		
SNP_28718B_31187434	Ca_Kabuli_Chr06	NC_021165.1	31187434	AA	CC	CC	INTERGENIC		
SNP_28719B_31187470	Ca_Kabuli_Chr06	NC_021165.1	31187470	CC	GG	GG	INTERGENIC		
SNP_28720B_31195110	Ca_Kabuli_Chr06	NC_021165.1	31195110	TT	AA	AA	INTRON	101490415	transcription factor DIVARICATA-like
SNP_28721B_31195403	Ca_Kabuli_Chr06	NC_021165.1	31195403	CC	TT	TT	INTRON	101490415	transcription factor DIVARICATA-like
SNP_28722B_31195404	Ca_Kabuli_Chr06	NC_021165.1	31195404	CC	TT	TT	INTRON	101490415	transcription factor DIVARICATA-like
SNP_28723B_31211233	Ca_Kabuli_Chr06	NC_021165.1	31211233	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_28724B_31273999	Ca_Kabuli_Chr06	NC_021165.1	31273999	TT	CC	CC	INTERGENIC		
SNP_28726B_31297950	Ca_Kabuli_Chr06	NC_021165.1	31297950	AA	GG	GG	INTERGENIC		
SNP_28727B_31297984	Ca_Kabuli_Chr06	NC_021165.1	31297984	TT	CC	CC	INTERGENIC		
SNP_28728B_31331862	Ca_Kabuli_Chr06	NC_021165.1	31331862	AA	GG	GG	URR	101499715	F-box protein At2g27310-like
SNP_28730B_31337797	Ca_Kabuli_Chr06	NC_021165.1	31337797	CC	TT	TT	DRR	101410584	transfer RNA glutamine (anticodon CUG)
SNP_28731B_31370847	Ca_Kabuli_Chr06	NC_021165.1	31370847	TT	AA	AA	INTERGENIC		
SNP_28732B_31372266	Ca_Kabuli_Chr06	NC_021165.1	31372266	TT	CC	CC	INTERGENIC		
SNP_28733B_31372269	Ca_Kabuli_Chr06	NC_021165.1	31372269	AA	GG	GG	INTERGENIC		
SNP_28734B_31372299	Ca_Kabuli_Chr06	NC_021165.1	31372299	AA	GG	GG	INTERGENIC		
SNP_28735B_31372328	Ca_Kabuli_Chr06	NC_021165.1	31372328	AA	CC	CC	INTERGENIC		
SNP_28736B_31372336	Ca_Kabuli_Chr06	NC_021165.1	31372336	TT	CC	CC	INTERGENIC		
SNP_28737B_31372339	Ca_Kabuli_Chr06	NC_021165.1	31372339	CC	TT	TT	INTERGENIC		
SNP_28738B_31372348	Ca_Kabuli_Chr06	NC_021165.1	31372348	AA	GG	GG	INTERGENIC		
SNP_28739B_31372378	Ca_Kabuli_Chr06	NC_021165.1	31372378	CC	TT	TT	INTERGENIC		
SNP_28740B_31430929	Ca_Kabuli_Chr06	NC_021165.1	31430929	GG	CC	CC	NON_SYNONYMOUS_CODING	101491376	uncharacterized LOC101491376
SNP_28741B_31431154	Ca_Kabuli_Chr06	NC_021165.1	31431154	AA	GG	GG	NON_SYNONYMOUS_CODING	101491376	uncharacterized LOC101491376
SNP_28743B_31472224	Ca_Kabuli_Chr06	NC_021165.1	31472224	AA	CC	CC	INTERGENIC		
SNP_28744B_31472270	Ca_Kabuli_Chr06	NC_021165.1	31472270	TT	CC	CC	INTERGENIC		
SNP_28745B_31472543	Ca_Kabuli_Chr06	NC_021165.1	31472543	TT	CC	CC	INTERGENIC		
SNP_28746B_31497539	Ca_Kabuli_Chr06	NC_021165.1	31497539	GG	CC	CC	INTRON	101491694	5'-3' exoribonuclease 3-like
SNP_28748B_31604783	Ca_Kabuli_Chr06	NC_021165.1	31604783	GG	AA	AA	INTERGENIC		
SNP_28749B_31604832	Ca_Kabuli_Chr06	NC_021165.1	31604832	GG	AA	AA	INTERGENIC		
SNP_28750B_31604842	Ca_Kabuli_Chr06	NC_021165.1	31604842	TT	AA	AA	INTERGENIC		
SNP_28751B_31604851	Ca_Kabuli_Chr06	NC_021165.1	31604851	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_28752B_31604889	Ca_Kabuli_Chr06	NC_021165.1	31604889	AA	GG	GG	INTERGENIC		
SNP_28753B_31614920	Ca_Kabuli_Chr06	NC_021165.1	31614920	GG	AA	AA	INTERGENIC		
SNP_28754B_31632407	Ca_Kabuli_Chr06	NC_021165.1	31632407	CC	TT	TT	INTERGENIC		
SNP_28756B_31707464	Ca_Kabuli_Chr06	NC_021165.1	31707464	TT	AA	AA	INTERGENIC		
SNP_28757B_31712105	Ca_Kabuli_Chr06	NC_021165.1	31712105	GG	TT	TT	INTERGENIC		
SNP_28758B_31741849	Ca_Kabuli_Chr06	NC_021165.1	31741849	TT	GG	GG	URR	101506552	BEL1-like homeodomain protein 1
SNP_28759B_31741899	Ca_Kabuli_Chr06	NC_021165.1	31741899	AA	GG	GG	URR	101506552	BEL1-like homeodomain protein 1
SNP_28760B_31742235	Ca_Kabuli_Chr06	NC_021165.1	31742235	TT	CC	CC	URR	101506552	BEL1-like homeodomain protein 1
SNP_28761B_31744964	Ca_Kabuli_Chr06	NC_021165.1	31744964	CC	TT	TT	INTERGENIC		
SNP_28762B_31753798	Ca_Kabuli_Chr06	NC_021165.1	31753798	AA	GG	GG	DRR	101493346	uncharacterized LOC101493346
SNP_28763B_31753804	Ca_Kabuli_Chr06	NC_021165.1	31753804	TT	CC	CC	DRR	101493346	uncharacterized LOC101493346
SNP_28764B_31753834	Ca_Kabuli_Chr06	NC_021165.1	31753834	TT	CC	CC	DRR	101493346	uncharacterized LOC101493346
SNP_28765B_31753875	Ca_Kabuli_Chr06	NC_021165.1	31753875	TT	GG	GG	DRR	101493346	uncharacterized LOC101493346
SNP_28766B_31754248	Ca_Kabuli_Chr06	NC_021165.1	31754248	AA	GG	GG	DRR	101493346	uncharacterized LOC101493346
SNP_28767B_31769439	Ca_Kabuli_Chr06	NC_021165.1	31769439	GG	TT	TT	INTERGENIC		
SNP_28768B_31784530	Ca_Kabuli_Chr06	NC_021165.1	31784530	CC	AA	AA	URR	101506884	uncharacterized LOC101506884
SNP_28769B_31922008	Ca_Kabuli_Chr06	NC_021165.1	31922008	CC	TT	TT	INTERGENIC		
SNP_28770B_31939442	Ca_Kabuli_Chr06	NC_021165.1	31939442	CC	AA	AA	INTERGENIC		
SNP_28771B_31939447	Ca_Kabuli_Chr06	NC_021165.1	31939447	CC	TT	TT	INTERGENIC		
SNP_28772B_31939456	Ca_Kabuli_Chr06	NC_021165.1	31939456	TT	CC	CC	INTERGENIC		
SNP_28773B_31939465	Ca_Kabuli_Chr06	NC_021165.1	31939465	GG	AA	AA	INTERGENIC		
SNP_28774B_31939496	Ca_Kabuli_Chr06	NC_021165.1	31939496	TT	CC	CC	INTERGENIC		
SNP_28775B_31939513	Ca_Kabuli_Chr06	NC_021165.1	31939513	GG	AA	AA	INTERGENIC		
SNP_28776B_31939549	Ca_Kabuli_Chr06	NC_021165.1	31939549	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_28777B_31939555	Ca_Kabuli_Chr06	NC_021165.1	31939555	CC	TT	TT	INTERGENIC		
SNP_28778B_31939574	Ca_Kabuli_Chr06	NC_021165.1	31939574	AA	GG	GG	INTERGENIC		
SNP_28779B_31939594	Ca_Kabuli_Chr06	NC_021165.1	31939594	GG	AA	AA	INTERGENIC		
SNP_28780B_31939599	Ca_Kabuli_Chr06	NC_021165.1	31939599	CC	AA	AA	INTERGENIC		
SNP_28781B_31939626	Ca_Kabuli_Chr06	NC_021165.1	31939626	AA	GG	GG	INTERGENIC		
SNP_28783B_31939816	Ca_Kabuli_Chr06	NC_021165.1	31939816	AA	GG	GG	INTERGENIC		
SNP_28784B_31939920	Ca_Kabuli_Chr06	NC_021165.1	31939920	AA	GG	GG	INTERGENIC		
SNP_28785B_31939935	Ca_Kabuli_Chr06	NC_021165.1	31939935	TT	CC	CC	INTERGENIC		
SNP_28786B_31947358	Ca_Kabuli_Chr06	NC_021165.1	31947358	TT	AA	AA	INTERGENIC		
SNP_28787B_31947423	Ca_Kabuli_Chr06	NC_021165.1	31947423	CC	TT	TT	INTERGENIC		
SNP_28788B_31947449	Ca_Kabuli_Chr06	NC_021165.1	31947449	TT	CC	CC	INTERGENIC		
SNP_28789B_31947452	Ca_Kabuli_Chr06	NC_021165.1	31947452	TT	CC	CC	INTERGENIC		
SNP_28790B_31947617	Ca_Kabuli_Chr06	NC_021165.1	31947617	TT	CC	CC	INTERGENIC		
SNP_28791B_31960753	Ca_Kabuli_Chr06	NC_021165.1	31960753	AA	CC	CC	INTERGENIC		
SNP_28792B_32015994	Ca_Kabuli_Chr06	NC_021165.1	32015994	CC	TT	TT	URR	101509209	protein IQ-DOMAIN 1
SNP_28793B_32059540	Ca_Kabuli_Chr06	NC_021165.1	32059540	GG	AA	AA	INTERGENIC		
SNP_28794B_32059572	Ca_Kabuli_Chr06	NC_021165.1	32059572	AA	TT	TT	INTERGENIC		
SNP_28795B_32059642	Ca_Kabuli_Chr06	NC_021165.1	32059642	AA	GG	GG	INTERGENIC		
SNP_28796B_32059690	Ca_Kabuli_Chr06	NC_021165.1	32059690	CC	AA	AA	INTERGENIC		
SNP_28797B_32124415	Ca_Kabuli_Chr06	NC_021165.1	32124415	GG	CC	CC	INTERGENIC		
SNP_28799B_32194631	Ca_Kabuli_Chr06	NC_021165.1	32194631	AA	GG	GG	INTERGENIC		
SNP_28800B_32194640	Ca_Kabuli_Chr06	NC_021165.1	32194640	TT	CC	CC	INTERGENIC		
SNP_28801B_32194655	Ca_Kabuli_Chr06	NC_021165.1	32194655	TT	AA	AA	INTERGENIC		
SNP_28802B_32194675	Ca_Kabuli_Chr06	NC_021165.1	32194675	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_28803B_32194692	Ca_Kabuli_Chr06	NC_021165.1	32194692	AA	GG	GG	INTERGENIC		
SNP_28804B_32194705	Ca_Kabuli_Chr06	NC_021165.1	32194705	AA	TT	TT	INTERGENIC		
SNP_28805B_32194719	Ca_Kabuli_Chr06	NC_021165.1	32194719	AA	TT	TT	INTERGENIC		
SNP_28806B_32194740	Ca_Kabuli_Chr06	NC_021165.1	32194740	AA	GG	GG	INTERGENIC		
SNP_28807B_32194778	Ca_Kabuli_Chr06	NC_021165.1	32194778	AA	GG	GG	INTERGENIC		
SNP_28808B_32195192	Ca_Kabuli_Chr06	NC_021165.1	32195192	TT	CC	CC	INTERGENIC		
SNP_28809B_32195222	Ca_Kabuli_Chr06	NC_021165.1	32195222	TT	CC	CC	INTERGENIC		
SNP_28810B_32197583	Ca_Kabuli_Chr06	NC_021165.1	32197583	CC	TT	TT	INTERGENIC		
SNP_28811B_32217032	Ca_Kabuli_Chr06	NC_021165.1	32217032	TT	CC	CC	INTERGENIC		
SNP_28812B_32217417	Ca_Kabuli_Chr06	NC_021165.1	32217417	TT	CC	CC	INTERGENIC		
SNP_28813B_32298953	Ca_Kabuli_Chr06	NC_021165.1	32298953	TT	CC	CC	INTRON	101488214	cellulose synthase-like protein H1
SNP_28814B_32320443	Ca_Kabuli_Chr06	NC_021165.1	32320443	CC	AA	AA	URR	101488787	carboxymethylenebutenolidase homolog
SNP_28815B_32350654	Ca_Kabuli_Chr06	NC_021165.1	32350654	AA	TT	TT	INTERGENIC		
SNP_28816B_32371595	Ca_Kabuli_Chr06	NC_021165.1	32371595	AA	CC	CC	URR	101496889	S-type anion channel SLAH1-like
SNP_28817B_32372459	Ca_Kabuli_Chr06	NC_021165.1	32372459	TT	CC	CC	URR	101496889	S-type anion channel SLAH1-like
SNP_28818B_32372700	Ca_Kabuli_Chr06	NC_021165.1	32372700	TT	CC	CC	URR	101496889	S-type anion channel SLAH1-like
SNP_28819B_32372821	Ca_Kabuli_Chr06	NC_021165.1	32372821	GG	AA	AA	URR	101496889	S-type anion channel SLAH1-like
SNP_28821B_32372844	Ca_Kabuli_Chr06	NC_021165.1	32372844	AA	GG	GG	URR	101496889	S-type anion channel SLAH1-like
SNP_28822B_32372970	Ca_Kabuli_Chr06	NC_021165.1	32372970	GG	AA	AA	URR	101496889	S-type anion channel SLAH1-like
SNP_28823B_32373087	Ca_Kabuli_Chr06	NC_021165.1	32373087	GG	TT	TT	INTERGENIC		
SNP_28824B_32373112	Ca_Kabuli_Chr06	NC_021165.1	32373112	TT	CC	CC	INTERGENIC		
SNP_28825B_32373182	Ca_Kabuli_Chr06	NC_021165.1	32373182	GG	TT	TT	INTERGENIC		
SNP_28826B_32373281	Ca_Kabuli_Chr06	NC_021165.1	32373281	CC	TT	TT	INTERGENIC		
SNP_28827B_32373285	Ca_Kabuli_Chr06	NC_021165.1	32373285	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_28828B_32373319	Ca_Kabuli_Chr06	NC_021165.1	32373319	TT	GG	GG	INTERGENIC		
SNP_28829B_32373387	Ca_Kabuli_Chr06	NC_021165.1	32373387	GG	AA	AA	INTERGENIC		
SNP_28830B_32373413	Ca_Kabuli_Chr06	NC_021165.1	32373413	CC	TT	TT	INTERGENIC		
SNP_28831B_32373427	Ca_Kabuli_Chr06	NC_021165.1	32373427	GG	AA	AA	INTERGENIC		
SNP_28832B_32373447	Ca_Kabuli_Chr06	NC_021165.1	32373447	CC	TT	TT	INTERGENIC		
SNP_28834B_32373652	Ca_Kabuli_Chr06	NC_021165.1	32373652	AA	TT	TT	INTERGENIC		
SNP_28835B_32373793	Ca_Kabuli_Chr06	NC_021165.1	32373793	AA	TT	TT	INTERGENIC		
SNP_28836B_32391751	Ca_Kabuli_Chr06	NC_021165.1	32391751	AA	CC	CC	INTERGENIC		
SNP_28838B_32391875	Ca_Kabuli_Chr06	NC_021165.1	32391875	AA	TT	TT	INTERGENIC		
SNP_28839B_32391942	Ca_Kabuli_Chr06	NC_021165.1	32391942	TT	CC	CC	INTERGENIC		
SNP_28840B_32392125	Ca_Kabuli_Chr06	NC_021165.1	32392125	AA	TT	TT	INTERGENIC		
SNP_28841B_32392127	Ca_Kabuli_Chr06	NC_021165.1	32392127	AA	GG	GG	INTERGENIC		
SNP_28842B_32392161	Ca_Kabuli_Chr06	NC_021165.1	32392161	TT	GG	GG	INTERGENIC		
SNP_28843B_32393787	Ca_Kabuli_Chr06	NC_021165.1	32393787	GG	CC	CC	DRR	101498869	L-ascorbate oxidase homolog
SNP_28844B_32407021	Ca_Kabuli_Chr06	NC_021165.1	32407021	CC	TT	TT	INTERGENIC		
SNP_28845B_32466570	Ca_Kabuli_Chr06	NC_021165.1	32466570	CC	TT	TT	INTERGENIC		
SNP_28846B_32508630	Ca_Kabuli_Chr06	NC_021165.1	32508630	GG	AA	AA	INTERGENIC		
SNP_28847B_32508840	Ca_Kabuli_Chr06	NC_021165.1	32508840	GG	AA	AA	INTERGENIC		
SNP_28848B_32508857	Ca_Kabuli_Chr06	NC_021165.1	32508857	CC	TT	TT	INTERGENIC		
SNP_28849B_32508861	Ca_Kabuli_Chr06	NC_021165.1	32508861	AA	CC	CC	INTERGENIC		
SNP_28850B_32513609	Ca_Kabuli_Chr06	NC_021165.1	32513609	GG	AA	AA	INTERGENIC		
SNP_28851B_32513671	Ca_Kabuli_Chr06	NC_021165.1	32513671	GG	AA	AA	INTERGENIC		
SNP_28852B_32513673	Ca_Kabuli_Chr06	NC_021165.1	32513673	GG	AA	AA	INTERGENIC		
SNP_28853B_32513852	Ca_Kabuli_Chr06	NC_021165.1	32513852	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_28854B_32513943	Ca_Kabuli_Chr06	NC_021165.1	32513943	AA	CC	CC	INTERGENIC		
SNP_28856B_32519699	Ca_Kabuli_Chr06	NC_021165.1	32519699	GG	AA	AA	INTERGENIC		
SNP_28857B_32519847	Ca_Kabuli_Chr06	NC_021165.1	32519847	GG	AA	AA	INTERGENIC		
SNP_28858B_32520026	Ca_Kabuli_Chr06	NC_021165.1	32520026	GG	CC	CC	INTERGENIC		
SNP_28859B_32520066	Ca_Kabuli_Chr06	NC_021165.1	32520066	TT	CC	CC	INTERGENIC		
SNP_28860B_32520244	Ca_Kabuli_Chr06	NC_021165.1	32520244	GG	AA	AA	INTERGENIC		
SNP_28861B_32520392	Ca_Kabuli_Chr06	NC_021165.1	32520392	TT	CC	CC	INTERGENIC		
SNP_28862B_32520460	Ca_Kabuli_Chr06	NC_021165.1	32520460	TT	AA	AA	INTERGENIC		
SNP_28863B_32520495	Ca_Kabuli_Chr06	NC_021165.1	32520495	AA	CC	CC	INTERGENIC		
SNP_28864B_32520504	Ca_Kabuli_Chr06	NC_021165.1	32520504	GG	AA	AA	INTERGENIC		
SNP_28865B_32520612	Ca_Kabuli_Chr06	NC_021165.1	32520612	CC	GG	GG	INTERGENIC		
SNP_28866B_32520661	Ca_Kabuli_Chr06	NC_021165.1	32520661	AA	TT	TT	INTERGENIC		
SNP_28867B_32520778	Ca_Kabuli_Chr06	NC_021165.1	32520778	CC	TT	TT	INTERGENIC		
SNP_28868B_32521173	Ca_Kabuli_Chr06	NC_021165.1	32521173	CC	TT	TT	INTERGENIC		
SNP_28870B_32521631	Ca_Kabuli_Chr06	NC_021165.1	32521631	TT	AA	AA	INTERGENIC		
SNP_28871B_32521698	Ca_Kabuli_Chr06	NC_021165.1	32521698	CC	AA	AA	INTERGENIC		
SNP_28872B_32521765	Ca_Kabuli_Chr06	NC_021165.1	32521765	GG	AA	AA	INTERGENIC		
SNP_28873B_32522005	Ca_Kabuli_Chr06	NC_021165.1	32522005	TT	CC	CC	INTERGENIC		
SNP_28875B_32522392	Ca_Kabuli_Chr06	NC_021165.1	32522392	CC	TT	TT	INTERGENIC		
SNP_28876B_32539335	Ca_Kabuli_Chr06	NC_021165.1	32539335	TT	AA	AA	URR	101500462	L-ascorbate oxidase homolog
SNP_28877B_32539688	Ca_Kabuli_Chr06	NC_021165.1	32539688	AA	TT	TT	URR	101500462	L-ascorbate oxidase homolog
SNP_28878B_32539690	Ca_Kabuli_Chr06	NC_021165.1	32539690	TT	AA	AA	URR	101500462	L-ascorbate oxidase homolog
SNP_28880B_32539977	Ca_Kabuli_Chr06	NC_021165.1	32539977	AA	TT	TT	INTERGENIC		
SNP_28881B_32540048	Ca_Kabuli_Chr06	NC_021165.1	32540048	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_28882B_32540055	Ca_Kabuli_Chr06	NC_021165.1	32540055	GG	TT	TT	INTERGENIC		
SNP_28883B_32540109	Ca_Kabuli_Chr06	NC_021165.1	32540109	GG	AA	AA	INTERGENIC		
SNP_28884B_32540112	Ca_Kabuli_Chr06	NC_021165.1	32540112	TT	AA	AA	INTERGENIC		
SNP_28886B_32540298	Ca_Kabuli_Chr06	NC_021165.1	32540298	AA	GG	GG	INTERGENIC		
SNP_28887B_32540301	Ca_Kabuli_Chr06	NC_021165.1	32540301	TT	CC	CC	INTERGENIC		
SNP_28888B_32540313	Ca_Kabuli_Chr06	NC_021165.1	32540313	TT	CC	CC	INTERGENIC		
SNP_28889B_32540339	Ca_Kabuli_Chr06	NC_021165.1	32540339	GG	CC	CC	INTERGENIC		
SNP_28890B_32540372	Ca_Kabuli_Chr06	NC_021165.1	32540372	CC	TT	TT	INTERGENIC		
SNP_28892B_32540525	Ca_Kabuli_Chr06	NC_021165.1	32540525	AA	TT	TT	INTERGENIC		
SNP_28894B_32540634	Ca_Kabuli_Chr06	NC_021165.1	32540634	GG	CC	CC	INTERGENIC		
SNP_28895B_32540649	Ca_Kabuli_Chr06	NC_021165.1	32540649	TT	CC	CC	INTERGENIC		
SNP_28896B_32553275	Ca_Kabuli_Chr06	NC_021165.1	32553275	GG	AA	AA	INTERGENIC		
SNP_28897B_32553400	Ca_Kabuli_Chr06	NC_021165.1	32553400	TT	CC	CC	INTERGENIC		
SNP_28898B_32553493	Ca_Kabuli_Chr06	NC_021165.1	32553493	AA	CC	CC	INTERGENIC		
SNP_28899B_32572028	Ca_Kabuli_Chr06	NC_021165.1	32572028	AA	TT	TT	INTERGENIC		
SNP_28900B_32576086	Ca_Kabuli_Chr06	NC_021165.1	32576086	AA	TT	TT	INTERGENIC		
SNP_28901B_32609283	Ca_Kabuli_Chr06	NC_021165.1	32609283	AA	TT	TT	INTERGENIC		
SNP_28902B_32609299	Ca_Kabuli_Chr06	NC_021165.1	32609299	GG	AA	AA	INTERGENIC		
SNP_28903B_32609339	Ca_Kabuli_Chr06	NC_021165.1	32609339	AA	GG	GG	INTERGENIC		
SNP_28904B_32609448	Ca_Kabuli_Chr06	NC_021165.1	32609448	TT	CC	CC	INTERGENIC		
SNP_28905B_32609589	Ca_Kabuli_Chr06	NC_021165.1	32609589	CC	GG	GG	INTERGENIC		
SNP_28906B_32609649	Ca_Kabuli_Chr06	NC_021165.1	32609649	GG	CC	CC	INTERGENIC		
SNP_28907B_32609670	Ca_Kabuli_Chr06	NC_021165.1	32609670	GG	AA	AA	INTERGENIC		
SNP_28908B_32609734	Ca_Kabuli_Chr06	NC_021165.1	32609734	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_28909B_32609753	Ca_Kabuli_Chr06	NC_021165.1	32609753	AA	GG	GG	INTERGENIC		
SNP_28910B_32611021	Ca_Kabuli_Chr06	NC_021165.1	32611021	CC	AA	AA	INTERGENIC		
SNP_28911B_32611024	Ca_Kabuli_Chr06	NC_021165.1	32611024	AA	GG	GG	INTERGENIC		
SNP_28912B_32615486	Ca_Kabuli_Chr06	NC_021165.1	32615486	TT	CC	CC	INTERGENIC		
SNP_28913B_32615513	Ca_Kabuli_Chr06	NC_021165.1	32615513	AA	GG	GG	INTERGENIC		
SNP_28914B_32615786	Ca_Kabuli_Chr06	NC_021165.1	32615786	AA	GG	GG	INTERGENIC		
SNP_28917B_32630168	Ca_Kabuli_Chr06	NC_021165.1	32630168	CC	TT	TT	INTERGENIC		
SNP_28918B_32630177	Ca_Kabuli_Chr06	NC_021165.1	32630177	TT	CC	CC	INTERGENIC		
SNP_28919B_32630194	Ca_Kabuli_Chr06	NC_021165.1	32630194	CC	TT	TT	INTERGENIC		
SNP_28920B_32630353	Ca_Kabuli_Chr06	NC_021165.1	32630353	AA	GG	GG	INTERGENIC		
SNP_28921B_32630367	Ca_Kabuli_Chr06	NC_021165.1	32630367	TT	CC	CC	INTERGENIC		
SNP_28923B_32630610	Ca_Kabuli_Chr06	NC_021165.1	32630610	CC	GG	GG	INTERGENIC		
SNP_28924B_32670765	Ca_Kabuli_Chr06	NC_021165.1	32670765	CC	TT	TT	INTERGENIC		
SNP_28925B_32688879	Ca_Kabuli_Chr06	NC_021165.1	32688879	AA	CC	CC	INTERGENIC		
SNP_28926B_32688886	Ca_Kabuli_Chr06	NC_021165.1	32688886	CC	TT	TT	INTERGENIC		
SNP_28927B_32689433	Ca_Kabuli_Chr06	NC_021165.1	32689433	CC	AA	AA	INTERGENIC		
SNP_28928B_32689465	Ca_Kabuli_Chr06	NC_021165.1	32689465	TT	CC	CC	INTERGENIC		
SNP_28929B_32689477	Ca_Kabuli_Chr06	NC_021165.1	32689477	AA	GG	GG	INTERGENIC		
SNP_28930B_32698713	Ca_Kabuli_Chr06	NC_021165.1	32698713	GG	TT	TT	INTERGENIC		
SNP_28931B_32730277	Ca_Kabuli_Chr06	NC_021165.1	32730277	GG	AA	AA	INTERGENIC		
SNP_28932B_32888163	Ca_Kabuli_Chr06	NC_021165.1	32888163	GG	CC	CC	URR	101505695	cysteine-rich receptor-like protein kinase 6
SNP_28933B_33039774	Ca_Kabuli_Chr06	NC_021165.1	33039774	TT	CC	CC	INTERGENIC		
SNP_28934B_33055211	Ca_Kabuli_Chr06	NC_021165.1	33055211	GG	AA	AA	INTERGENIC		
SNP_28935B_33055378	Ca_Kabuli_Chr06	NC_021165.1	33055378	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_28937B_33055492	Ca_Kabuli_Chr06	NC_021165.1	33055492	AA	CC	CC	INTERGENIC		
SNP_28938B_33055512	Ca_Kabuli_Chr06	NC_021165.1	33055512	TT	CC	CC	INTERGENIC		
SNP_28939B_33094128	Ca_Kabuli_Chr06	NC_021165.1	33094128	TT	CC	CC	INTERGENIC		
SNP_28940B_33094201	Ca_Kabuli_Chr06	NC_021165.1	33094201	CC	TT	TT	INTERGENIC		
SNP_28941B_33094227	Ca_Kabuli_Chr06	NC_021165.1	33094227	GG	CC	CC	INTERGENIC		
SNP_28942B_33094241	Ca_Kabuli_Chr06	NC_021165.1	33094241	CC	TT	TT	INTERGENIC		
SNP_28943B_33094249	Ca_Kabuli_Chr06	NC_021165.1	33094249	TT	CC	CC	INTERGENIC		
SNP_28944B_33094269	Ca_Kabuli_Chr06	NC_021165.1	33094269	AA	GG	GG	INTERGENIC		
SNP_28945B_33094293	Ca_Kabuli_Chr06	NC_021165.1	33094293	CC	TT	TT	INTERGENIC		
SNP_28946B_33094309	Ca_Kabuli_Chr06	NC_021165.1	33094309	GG	AA	AA	INTERGENIC		
SNP_28947B_33094315	Ca_Kabuli_Chr06	NC_021165.1	33094315	AA	TT	TT	INTERGENIC		
SNP_28948B_33094358	Ca_Kabuli_Chr06	NC_021165.1	33094358	GG	AA	AA	INTERGENIC		
SNP_28949B_33094384	Ca_Kabuli_Chr06	NC_021165.1	33094384	TT	CC	CC	INTERGENIC		
SNP_28950B_33094404	Ca_Kabuli_Chr06	NC_021165.1	33094404	CC	TT	TT	INTERGENIC		
SNP_28951B_33094436	Ca_Kabuli_Chr06	NC_021165.1	33094436	AA	TT	TT	INTERGENIC		
SNP_28952B_33094450	Ca_Kabuli_Chr06	NC_021165.1	33094450	CC	TT	TT	INTERGENIC		
SNP_28953B_33094502	Ca_Kabuli_Chr06	NC_021165.1	33094502	TT	CC	CC	INTERGENIC		
SNP_28954B_33094583	Ca_Kabuli_Chr06	NC_021165.1	33094583	AA	CC	CC	INTERGENIC		
SNP_28955B_33094590	Ca_Kabuli_Chr06	NC_021165.1	33094590	CC	TT	TT	INTERGENIC		
SNP_28957B_33094656	Ca_Kabuli_Chr06	NC_021165.1	33094656	TT	CC	CC	INTERGENIC		
SNP_28959B_33094876	Ca_Kabuli_Chr06	NC_021165.1	33094876	GG	AA	AA	INTERGENIC		
SNP_28960B_33094905	Ca_Kabuli_Chr06	NC_021165.1	33094905	GG	AA	AA	INTERGENIC		
SNP_28961B_33105230	Ca_Kabuli_Chr06	NC_021165.1	33105230	CC	TT	TT	URR	101513196	uncharacterized LOC101513196
SNP_28962B_33105246	Ca_Kabuli_Chr06	NC_021165.1	33105246	GG	AA	AA	URR	101513196	uncharacterized LOC101513196

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_28963B_33105340	Ca_Kabuli_Chr06	NC_021165.1	33105340	TT	CC	CC	URR	101513196	uncharacterized LOC101513196
SNP_28964B_33105372	Ca_Kabuli_Chr06	NC_021165.1	33105372	GG	AA	AA	URR	101513196	uncharacterized LOC101513196
SNP_28965B_33105972	Ca_Kabuli_Chr06	NC_021165.1	33105972	AA	GG	GG	URR	101513196	uncharacterized LOC101513196
SNP_28966B_33106397	Ca_Kabuli_Chr06	NC_021165.1	33106397	GG	AA	AA	URR	101513196	uncharacterized LOC101513196
SNP_28967B_33106430	Ca_Kabuli_Chr06	NC_021165.1	33106430	AA	GG	GG	URR	101513196	uncharacterized LOC101513196
SNP_28968B_33106479	Ca_Kabuli_Chr06	NC_021165.1	33106479	AA	GG	GG	INTERGENIC		
SNP_28969B_33106568	Ca_Kabuli_Chr06	NC_021165.1	33106568	AA	GG	GG	INTERGENIC		
SNP_28971B_33177545	Ca_Kabuli_Chr06	NC_021165.1	33177545	TT	CC	CC	INTRON	101513519	Unknown function
SNP_28972B_33177655	Ca_Kabuli_Chr06	NC_021165.1	33177655	AA	GG	GG	INTRON	101513519	Unknown function
SNP_28973B_33177669	Ca_Kabuli_Chr06	NC_021165.1	33177669	AA	TT	TT	INTRON	101513519	Unknown function
SNP_28974B_33177868	Ca_Kabuli_Chr06	NC_021165.1	33177868	TT	CC	CC	STOP_LOST	101513519	Unknown function
SNP_28975B_33177902	Ca_Kabuli_Chr06	NC_021165.1	33177902	TT	CC	CC	NON_SYNONYMOUS_CODING	101513519	Unknown function
SNP_28976B_33177931	Ca_Kabuli_Chr06	NC_021165.1	33177931	AA	GG	GG	SYNONYMOUS_CODING	101513519	Unknown function
SNP_28977B_33177970	Ca_Kabuli_Chr06	NC_021165.1	33177970	TT	GG	GG	SYNONYMOUS_CODING	101513519	Unknown function
SNP_28978B_33178020	Ca_Kabuli_Chr06	NC_021165.1	33178020	CC	TT	TT	NON_SYNONYMOUS_CODING	101513519	Unknown function
SNP_28979B_33183704	Ca_Kabuli_Chr06	NC_021165.1	33183704	CC	TT	TT	INTERGENIC		
SNP_28980B_33210467	Ca_Kabuli_Chr06	NC_021165.1	33210467	CC	AA	AA	INTERGENIC		
SNP_28981B_33210473	Ca_Kabuli_Chr06	NC_021165.1	33210473	GG	CC	CC	INTERGENIC		
SNP_28982B_33210480	Ca_Kabuli_Chr06	NC_021165.1	33210480	AA	CC	CC	INTERGENIC		
SNP_28983B_33210548	Ca_Kabuli_Chr06	NC_021165.1	33210548	AA	TT	TT	INTERGENIC		
SNP_28984B_33210767	Ca_Kabuli_Chr06	NC_021165.1	33210767	AA	GG	GG	INTERGENIC		
SNP_28985B_33210819	Ca_Kabuli_Chr06	NC_021165.1	33210819	CC	TT	TT	INTERGENIC		
SNP_28986B_33210824	Ca_Kabuli_Chr06	NC_021165.1	33210824	CC	AA	AA	INTERGENIC		
SNP_28987B_33210838	Ca_Kabuli_Chr06	NC_021165.1	33210838	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_28988B_33223505	Ca_Kabuli_Chr06	NC_021165.1	33223505	CC	AA	AA	INTERGENIC		
SNP_28989B_33223512	Ca_Kabuli_Chr06	NC_021165.1	33223512	CC	GG	GG	INTERGENIC		
SNP_28990B_33223539	Ca_Kabuli_Chr06	NC_021165.1	33223539	TT	CC	CC	INTERGENIC		
SNP_28991B_33228418	Ca_Kabuli_Chr06	NC_021165.1	33228418	TT	GG	GG	INTERGENIC		
SNP_28992B_33228598	Ca_Kabuli_Chr06	NC_021165.1	33228598	TT	AA	AA	INTERGENIC		
SNP_28993B_33228667	Ca_Kabuli_Chr06	NC_021165.1	33228667	TT	AA	AA	INTERGENIC		
SNP_28994B_33228970	Ca_Kabuli_Chr06	NC_021165.1	33228970	TT	CC	CC	INTERGENIC		
SNP_28995B_33229106	Ca_Kabuli_Chr06	NC_021165.1	33229106	GG	TT	TT	INTERGENIC		
SNP_28996B_33229108	Ca_Kabuli_Chr06	NC_021165.1	33229108	TT	AA	AA	INTERGENIC		
SNP_28999B_33229305	Ca_Kabuli_Chr06	NC_021165.1	33229305	TT	AA	AA	INTERGENIC		
SNP_29000B_33229398	Ca_Kabuli_Chr06	NC_021165.1	33229398	AA	CC	CC	INTERGENIC		
SNP_29002B_33229560	Ca_Kabuli_Chr06	NC_021165.1	33229560	CC	TT	TT	INTERGENIC		
SNP_29003B_33229652	Ca_Kabuli_Chr06	NC_021165.1	33229652	TT	AA	AA	INTERGENIC		
SNP_29004B_33229713	Ca_Kabuli_Chr06	NC_021165.1	33229713	TT	CC	CC	INTERGENIC		
SNP_29005B_33229723	Ca_Kabuli_Chr06	NC_021165.1	33229723	TT	CC	CC	INTERGENIC		
SNP_29006B_33229744	Ca_Kabuli_Chr06	NC_021165.1	33229744	AA	GG	GG	INTERGENIC		
SNP_29007B_33229776	Ca_Kabuli_Chr06	NC_021165.1	33229776	AA	GG	GG	INTERGENIC		
SNP_29009B_33229821	Ca_Kabuli_Chr06	NC_021165.1	33229821	TT	GG	GG	INTERGENIC		
SNP_29011B_33229889	Ca_Kabuli_Chr06	NC_021165.1	33229889	TT	CC	CC	INTERGENIC		
SNP_29012B_33229924	Ca_Kabuli_Chr06	NC_021165.1	33229924	TT	GG	GG	INTERGENIC		
SNP_29013B_33229930	Ca_Kabuli_Chr06	NC_021165.1	33229930	TT	AA	AA	INTERGENIC		
SNP_29014B_33229987	Ca_Kabuli_Chr06	NC_021165.1	33229987	AA	TT	TT	INTERGENIC		
SNP_29015B_33230001	Ca_Kabuli_Chr06	NC_021165.1	33230001	TT	GG	GG	INTERGENIC		
SNP_29016B_33230014	Ca_Kabuli_Chr06	NC_021165.1	33230014	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29017B_33230084	Ca_Kabuli_Chr06	NC_021165.1	33230084	GG	AA	AA	INTERGENIC		
SNP_29018B_33230328	Ca_Kabuli_Chr06	NC_021165.1	33230328	TT	CC	CC	INTERGENIC		
SNP_29019B_33230334	Ca_Kabuli_Chr06	NC_021165.1	33230334	AA	GG	GG	INTERGENIC		
SNP_29020B_33230335	Ca_Kabuli_Chr06	NC_021165.1	33230335	GG	AA	AA	INTERGENIC		
SNP_29021B_33230346	Ca_Kabuli_Chr06	NC_021165.1	33230346	CC	GG	GG	INTERGENIC		
SNP_29022B_33233710	Ca_Kabuli_Chr06	NC_021165.1	33233710	CC	TT	TT	INTERGENIC		
SNP_29023B_33233716	Ca_Kabuli_Chr06	NC_021165.1	33233716	TT	CC	CC	INTERGENIC		
SNP_29024B_33233728	Ca_Kabuli_Chr06	NC_021165.1	33233728	GG	AA	AA	INTERGENIC		
SNP_29025B_33233768	Ca_Kabuli_Chr06	NC_021165.1	33233768	CC	TT	TT	INTERGENIC		
SNP_29026B_33233791	Ca_Kabuli_Chr06	NC_021165.1	33233791	AA	GG	GG	INTERGENIC		
SNP_29027B_33233859	Ca_Kabuli_Chr06	NC_021165.1	33233859	TT	GG	GG	INTERGENIC		
SNP_29028B_33234076	Ca_Kabuli_Chr06	NC_021165.1	33234076	AA	TT	TT	INTERGENIC		
SNP_29029B_33234297	Ca_Kabuli_Chr06	NC_021165.1	33234297	CC	AA	AA	INTERGENIC		
SNP_29030B_33234428	Ca_Kabuli_Chr06	NC_021165.1	33234428	TT	AA	AA	INTERGENIC		
SNP_29031B_33234444	Ca_Kabuli_Chr06	NC_021165.1	33234444	TT	CC	CC	INTERGENIC		
SNP_29032B_33234543	Ca_Kabuli_Chr06	NC_021165.1	33234543	TT	AA	AA	INTERGENIC		
SNP_29033B_33240198	Ca_Kabuli_Chr06	NC_021165.1	33240198	CC	GG	GG	INTERGENIC		
SNP_29035B_33240324	Ca_Kabuli_Chr06	NC_021165.1	33240324	TT	CC	CC	INTERGENIC		
SNP_29036B_33240337	Ca_Kabuli_Chr06	NC_021165.1	33240337	CC	TT	TT	INTERGENIC		
SNP_29038B_33240405	Ca_Kabuli_Chr06	NC_021165.1	33240405	TT	GG	GG	INTERGENIC		
SNP_29039B_33240416	Ca_Kabuli_Chr06	NC_021165.1	33240416	GG	TT	TT	INTERGENIC		
SNP_29040B_33240535	Ca_Kabuli_Chr06	NC_021165.1	33240535	AA	CC	CC	INTERGENIC		
SNP_29041B_33240538	Ca_Kabuli_Chr06	NC_021165.1	33240538	TT	AA	AA	INTERGENIC		
SNP_29042B_33240550	Ca_Kabuli_Chr06	NC_021165.1	33240550	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29043B_33240564	Ca_Kabuli_Chr06	NC_021165.1	33240564	TT	AA	AA	INTERGENIC		
SNP_29044B_33240601	Ca_Kabuli_Chr06	NC_021165.1	33240601	CC	TT	TT	INTERGENIC		
SNP_29045B_33240617	Ca_Kabuli_Chr06	NC_021165.1	33240617	AA	GG	GG	INTERGENIC		
SNP_29046B_33240651	Ca_Kabuli_Chr06	NC_021165.1	33240651	GG	AA	AA	INTERGENIC		
SNP_29047B_33240685	Ca_Kabuli_Chr06	NC_021165.1	33240685	CC	TT	TT	INTERGENIC		
SNP_29048B_33240811	Ca_Kabuli_Chr06	NC_021165.1	33240811	GG	CC	CC	INTERGENIC		
SNP_29049B_33240844	Ca_Kabuli_Chr06	NC_021165.1	33240844	TT	CC	CC	INTERGENIC		
SNP_29050B_33240911	Ca_Kabuli_Chr06	NC_021165.1	33240911	AA	GG	GG	INTERGENIC		
SNP_29051B_33240966	Ca_Kabuli_Chr06	NC_021165.1	33240966	AA	GG	GG	INTERGENIC		
SNP_29052B_33241158	Ca_Kabuli_Chr06	NC_021165.1	33241158	AA	GG	GG	INTERGENIC		
SNP_29053B_33241203	Ca_Kabuli_Chr06	NC_021165.1	33241203	TT	AA	AA	INTERGENIC		
SNP_29054B_33241211	Ca_Kabuli_Chr06	NC_021165.1	33241211	GG	AA	AA	INTERGENIC		
SNP_29055B_33241236	Ca_Kabuli_Chr06	NC_021165.1	33241236	CC	AA	AA	INTERGENIC		
SNP_29056B_33241247	Ca_Kabuli_Chr06	NC_021165.1	33241247	CC	TT	TT	INTERGENIC		
SNP_29057B_33241264	Ca_Kabuli_Chr06	NC_021165.1	33241264	CC	TT	TT	INTERGENIC		
SNP_29058B_33241304	Ca_Kabuli_Chr06	NC_021165.1	33241304	CC	AA	AA	INTERGENIC		
SNP_29059B_33241307	Ca_Kabuli_Chr06	NC_021165.1	33241307	AA	CC	CC	INTERGENIC		
SNP_29060B_33283032	Ca_Kabuli_Chr06	NC_021165.1	33283032	AA	TT	TT	INTERGENIC		
SNP_29061B_33283038	Ca_Kabuli_Chr06	NC_021165.1	33283038	GG	TT	TT	INTERGENIC		
SNP_29062B_33283053	Ca_Kabuli_Chr06	NC_021165.1	33283053	CC	AA	AA	INTERGENIC		
SNP_29063B_33283076	Ca_Kabuli_Chr06	NC_021165.1	33283076	TT	CC	CC	INTERGENIC		
SNP_29064B_33283094	Ca_Kabuli_Chr06	NC_021165.1	33283094	CC	TT	TT	INTERGENIC		
SNP_29065B_33283115	Ca_Kabuli_Chr06	NC_021165.1	33283115	AA	TT	TT	INTERGENIC		
SNP_29066B_33283123	Ca_Kabuli_Chr06	NC_021165.1	33283123	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29067B_33283129	Ca_Kabuli_Chr06	NC_021165.1	33283129	GG	AA	AA	INTERGENIC		
SNP_29068B_33283149	Ca_Kabuli_Chr06	NC_021165.1	33283149	GG	TT	TT	INTERGENIC		
SNP_29069B_33283326	Ca_Kabuli_Chr06	NC_021165.1	33283326	CC	GG	GG	INTERGENIC		
SNP_29070B_33283365	Ca_Kabuli_Chr06	NC_021165.1	33283365	CC	TT	TT	INTERGENIC		
SNP_29071B_33283381	Ca_Kabuli_Chr06	NC_021165.1	33283381	TT	GG	GG	INTERGENIC		
SNP_29072B_33283440	Ca_Kabuli_Chr06	NC_021165.1	33283440	CC	TT	TT	INTERGENIC		
SNP_29073B_33293477	Ca_Kabuli_Chr06	NC_021165.1	33293477	AA	TT	TT	INTERGENIC		
SNP_29074B_33293560	Ca_Kabuli_Chr06	NC_021165.1	33293560	CC	TT	TT	INTERGENIC		
SNP_29075B_33293679	Ca_Kabuli_Chr06	NC_021165.1	33293679	GG	TT	TT	INTERGENIC		
SNP_29076B_33293697	Ca_Kabuli_Chr06	NC_021165.1	33293697	AA	GG	GG	INTERGENIC		
SNP_29077B_33293737	Ca_Kabuli_Chr06	NC_021165.1	33293737	GG	AA	AA	INTERGENIC		
SNP_29078B_33293738	Ca_Kabuli_Chr06	NC_021165.1	33293738	AA	TT	TT	INTERGENIC		
SNP_29079B_33293792	Ca_Kabuli_Chr06	NC_021165.1	33293792	AA	GG	GG	INTERGENIC		
SNP_29081B_33295551	Ca_Kabuli_Chr06	NC_021165.1	33295551	GG	TT	TT	INTERGENIC		
SNP_29082B_33295749	Ca_Kabuli_Chr06	NC_021165.1	33295749	GG	CC	CC	INTERGENIC		
SNP_29083B_33295779	Ca_Kabuli_Chr06	NC_021165.1	33295779	GG	CC	CC	INTERGENIC		
SNP_29084B_33295842	Ca_Kabuli_Chr06	NC_021165.1	33295842	GG	AA	AA	INTERGENIC		
SNP_29085B_33295852	Ca_Kabuli_Chr06	NC_021165.1	33295852	AA	CC	CC	INTERGENIC		
SNP_29086B_33295936	Ca_Kabuli_Chr06	NC_021165.1	33295936	CC	TT	TT	INTERGENIC		
SNP_29087B_33295985	Ca_Kabuli_Chr06	NC_021165.1	33295985	TT	CC	CC	INTERGENIC		
SNP_29088B_33295998	Ca_Kabuli_Chr06	NC_021165.1	33295998	TT	CC	CC	INTERGENIC		
SNP_29089B_33296014	Ca_Kabuli_Chr06	NC_021165.1	33296014	CC	TT	TT	INTERGENIC		
SNP_29090B_33296017	Ca_Kabuli_Chr06	NC_021165.1	33296017	AA	GG	GG	INTERGENIC		
SNP_29091B_33296053	Ca_Kabuli_Chr06	NC_021165.1	33296053	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29092B_33296054	Ca_Kabuli_Chr06	NC_021165.1	33296054	GG	AA	AA	INTERGENIC		
SNP_29093B_33296060	Ca_Kabuli_Chr06	NC_021165.1	33296060	AA	GG	GG	INTERGENIC		
SNP_29094B_33296147	Ca_Kabuli_Chr06	NC_021165.1	33296147	GG	CC	CC	INTERGENIC		
SNP_29095B_33296174	Ca_Kabuli_Chr06	NC_021165.1	33296174	GG	CC	CC	INTERGENIC		
SNP_29096B_33296181	Ca_Kabuli_Chr06	NC_021165.1	33296181	AA	CC	CC	INTERGENIC		
SNP_29097B_33296248	Ca_Kabuli_Chr06	NC_021165.1	33296248	AA	CC	CC	INTERGENIC		
SNP_29099B_33296606	Ca_Kabuli_Chr06	NC_021165.1	33296606	AA	TT	TT	INTERGENIC		
SNP_29100B_33296649	Ca_Kabuli_Chr06	NC_021165.1	33296649	CC	TT	TT	INTERGENIC		
SNP_29101B_33296672	Ca_Kabuli_Chr06	NC_021165.1	33296672	CC	AA	AA	INTERGENIC		
SNP_29102B_33296692	Ca_Kabuli_Chr06	NC_021165.1	33296692	AA	GG	GG	INTERGENIC		
SNP_29103B_33296728	Ca_Kabuli_Chr06	NC_021165.1	33296728	GG	AA	AA	INTERGENIC		
SNP_29104B_33296929	Ca_Kabuli_Chr06	NC_021165.1	33296929	GG	AA	AA	INTERGENIC		
SNP_29105B_33296936	Ca_Kabuli_Chr06	NC_021165.1	33296936	GG	AA	AA	INTERGENIC		
SNP_29106B_33296952	Ca_Kabuli_Chr06	NC_021165.1	33296952	AA	GG	GG	INTERGENIC		
SNP_29107B_33297091	Ca_Kabuli_Chr06	NC_021165.1	33297091	AA	CC	CC	INTERGENIC		
SNP_29108B_33297132	Ca_Kabuli_Chr06	NC_021165.1	33297132	TT	CC	CC	INTERGENIC		
SNP_29109B_33297152	Ca_Kabuli_Chr06	NC_021165.1	33297152	TT	GG	GG	INTERGENIC		
SNP_29110B_33297159	Ca_Kabuli_Chr06	NC_021165.1	33297159	AA	GG	GG	INTERGENIC		
SNP_29111B_33297272	Ca_Kabuli_Chr06	NC_021165.1	33297272	GG	AA	AA	INTERGENIC		
SNP_29112B_33298877	Ca_Kabuli_Chr06	NC_021165.1	33298877	TT	AA	AA	INTERGENIC		
SNP_29113B_33314086	Ca_Kabuli_Chr06	NC_021165.1	33314086	AA	TT	TT	INTERGENIC		
SNP_29114B_33340457	Ca_Kabuli_Chr06	NC_021165.1	33340457	CC	TT	TT	DRR	101515460	Unknown function
SNP_29115B_33340469	Ca_Kabuli_Chr06	NC_021165.1	33340469	TT	CC	CC	DRR	101515460	Unknown function
SNP_29116B_33340590	Ca_Kabuli_Chr06	NC_021165.1	33340590	AA	TT	TT	DRR	101515460	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29117B_33340746	Ca_Kabuli_Chr06	NC_021165.1	33340746	GG	AA	AA	DRR	101515460	Unknown function
SNP_29118B_33340775	Ca_Kabuli_Chr06	NC_021165.1	33340775	GG	TT	TT	DRR	101515460	Unknown function
SNP_29119B_33340878	Ca_Kabuli_Chr06	NC_021165.1	33340878	CC	AA	AA	DRR	101515460	Unknown function
SNP_29120B_33340909	Ca_Kabuli_Chr06	NC_021165.1	33340909	TT	CC	CC	DRR	101515460	Unknown function
SNP_29121B_33340911	Ca_Kabuli_Chr06	NC_021165.1	33340911	GG	AA	AA	DRR	101515460	Unknown function
SNP_29122B_33340994	Ca_Kabuli_Chr06	NC_021165.1	33340994	AA	GG	GG	DRR	101515460	Unknown function
SNP_29123B_33341001	Ca_Kabuli_Chr06	NC_021165.1	33341001	AA	GG	GG	DRR	101515460	Unknown function
SNP_29124B_33341024	Ca_Kabuli_Chr06	NC_021165.1	33341024	TT	CC	CC	DRR	101515460	Unknown function
SNP_29125B_33341074	Ca_Kabuli_Chr06	NC_021165.1	33341074	CC	TT	TT	DRR	101515460	Unknown function
SNP_29126B_33341077	Ca_Kabuli_Chr06	NC_021165.1	33341077	TT	CC	CC	DRR	101515460	Unknown function
SNP_29127B_33341154	Ca_Kabuli_Chr06	NC_021165.1	33341154	GG	AA	AA	DRR	101515460	Unknown function
SNP_29128B_33341161	Ca_Kabuli_Chr06	NC_021165.1	33341161	CC	AA	AA	DRR	101515460	Unknown function
SNP_29129B_33341241	Ca_Kabuli_Chr06	NC_021165.1	33341241	TT	CC	CC	NON_SYNONYMOUS_CODING	101515460	Unknown function
SNP_29130B_33341336	Ca_Kabuli_Chr06	NC_021165.1	33341336	GG	TT	TT	STOP_GAINED	101515460	Unknown function
SNP_29131B_33341349	Ca_Kabuli_Chr06	NC_021165.1	33341349	TT	CC	CC	NON_SYNONYMOUS_CODING	101515460	Unknown function
SNP_29132B_33341363	Ca_Kabuli_Chr06	NC_021165.1	33341363	GG	AA	AA	NON_SYNONYMOUS_CODING	101515460	Unknown function
SNP_29133B_33341480	Ca_Kabuli_Chr06	NC_021165.1	33341480	TT	CC	CC	STOP_LOST	101515460	Unknown function
SNP_29134B_33341619	Ca_Kabuli_Chr06	NC_021165.1	33341619	TT	CC	CC	URR	101515460	Unknown function
SNP_29135B_33341634	Ca_Kabuli_Chr06	NC_021165.1	33341634	TT	GG	GG	URR	101515460	Unknown function
SNP_29136B_33341723	Ca_Kabuli_Chr06	NC_021165.1	33341723	TT	AA	AA	URR	101515460	Unknown function
SNP_29137B_33358386	Ca_Kabuli_Chr06	NC_021165.1	33358386	GG	AA	AA	INTERGENIC		
SNP_29138B_33360050	Ca_Kabuli_Chr06	NC_021165.1	33360050	AA	GG	GG	INTERGENIC		
SNP_29139B_33392258	Ca_Kabuli_Chr06	NC_021165.1	33392258	AA	TT	TT	INTERGENIC		
SNP_29140B_33426918	Ca_Kabuli_Chr06	NC_021165.1	33426918	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29141B_33444784	Ca_Kabuli_Chr06	NC_021165.1	33444784	TT	AA	AA	INTERGENIC		
SNP_29142B_33457860	Ca_Kabuli_Chr06	NC_021165.1	33457860	GG	TT	TT	INTERGENIC		
SNP_29143B_33457863	Ca_Kabuli_Chr06	NC_021165.1	33457863	TT	GG	GG	INTERGENIC		
SNP_29144B_33457876	Ca_Kabuli_Chr06	NC_021165.1	33457876	GG	TT	TT	INTERGENIC		
SNP_29145B_33457923	Ca_Kabuli_Chr06	NC_021165.1	33457923	TT	CC	CC	INTERGENIC		
SNP_29146B_33457937	Ca_Kabuli_Chr06	NC_021165.1	33457937	CC	TT	TT	INTERGENIC		
SNP_29147B_33458027	Ca_Kabuli_Chr06	NC_021165.1	33458027	TT	CC	CC	INTERGENIC		
SNP_29148B_33458072	Ca_Kabuli_Chr06	NC_021165.1	33458072	CC	TT	TT	INTERGENIC		
SNP_29150B_33589864	Ca_Kabuli_Chr06	NC_021165.1	33589864	TT	AA	AA	INTERGENIC		
SNP_29151B_33633062	Ca_Kabuli_Chr06	NC_021165.1	33633062	TT	CC	CC	INTERGENIC		
SNP_29152B_33633083	Ca_Kabuli_Chr06	NC_021165.1	33633083	AA	GG	GG	INTERGENIC		
SNP_29153B_33649077	Ca_Kabuli_Chr06	NC_021165.1	33649077	AA	CC	CC	INTERGENIC		
SNP_29154B_33651326	Ca_Kabuli_Chr06	NC_021165.1	33651326	GG	AA	AA	INTERGENIC		
SNP_29155B_33787248	Ca_Kabuli_Chr06	NC_021165.1	33787248	GG	AA	AA	URR	101492345	purple acid phosphatase
SNP_29156B_33787257	Ca_Kabuli_Chr06	NC_021165.1	33787257	GG	AA	AA	URR	101492345	purple acid phosphatase
SNP_29157B_33877896	Ca_Kabuli_Chr06	NC_021165.1	33877896	GG	AA	AA	INTERGENIC		
SNP_29158B_33886236	Ca_Kabuli_Chr06	NC_021165.1	33886236	AA	CC	CC	INTERGENIC		
SNP_29159B_33886581	Ca_Kabuli_Chr06	NC_021165.1	33886581	CC	AA	AA	INTERGENIC		
SNP_29160B_33969155	Ca_Kabuli_Chr06	NC_021165.1	33969155	AA	GG	GG	INTERGENIC		
SNP_29161B_33974241	Ca_Kabuli_Chr06	NC_021165.1	33974241	AA	TT	TT	INTERGENIC		
SNP_29162B_33974244	Ca_Kabuli_Chr06	NC_021165.1	33974244	CC	AA	AA	INTERGENIC		
SNP_29163B_33986296	Ca_Kabuli_Chr06	NC_021165.1	33986296	AA	GG	GG	INTERGENIC		
SNP_29164B_33986325	Ca_Kabuli_Chr06	NC_021165.1	33986325	TT	CC	CC	INTERGENIC		
SNP_29165B_33988652	Ca_Kabuli_Chr06	NC_021165.1	33988652	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29166B_33988733	Ca_Kabuli_Chr06	NC_021165.1	33988733	TT	AA	AA	INTERGENIC		
SNP_29167B_33988794	Ca_Kabuli_Chr06	NC_021165.1	33988794	GG	AA	AA	INTERGENIC		
SNP_29168B_33988908	Ca_Kabuli_Chr06	NC_021165.1	33988908	CC	TT	TT	INTERGENIC		
SNP_29169B_33988987	Ca_Kabuli_Chr06	NC_021165.1	33988987	TT	AA	AA	INTERGENIC		
SNP_29170B_33989002	Ca_Kabuli_Chr06	NC_021165.1	33989002	TT	GG	GG	INTERGENIC		
SNP_29171B_33989015	Ca_Kabuli_Chr06	NC_021165.1	33989015	GG	AA	AA	INTERGENIC		
SNP_29172B_33989067	Ca_Kabuli_Chr06	NC_021165.1	33989067	CC	AA	AA	INTERGENIC		
SNP_29173B_33989076	Ca_Kabuli_Chr06	NC_021165.1	33989076	CC	GG	GG	INTERGENIC		
SNP_29174B_33989115	Ca_Kabuli_Chr06	NC_021165.1	33989115	CC	TT	TT	INTERGENIC		
SNP_29175B_34029812	Ca_Kabuli_Chr06	NC_021165.1	34029812	TT	CC	CC	INTRON	101496015	Unknown function
SNP_29176B_34058616	Ca_Kabuli_Chr06	NC_021165.1	34058616	GG	AA	AA	INTERGENIC		
SNP_29177B_34125795	Ca_Kabuli_Chr06	NC_021165.1	34125795	AA	GG	GG	INTERGENIC		
SNP_29178B_34135502	Ca_Kabuli_Chr06	NC_021165.1	34135502	TT	GG	GG	INTERGENIC		
SNP_29179B_34144576	Ca_Kabuli_Chr06	NC_021165.1	34144576	GG	CC	CC	INTERGENIC		
SNP_29180B_34144590	Ca_Kabuli_Chr06	NC_021165.1	34144590	AA	TT	TT	INTERGENIC		
SNP_29181B_34144594	Ca_Kabuli_Chr06	NC_021165.1	34144594	CC	TT	TT	INTERGENIC		
SNP_29182B_34144606	Ca_Kabuli_Chr06	NC_021165.1	34144606	AA	GG	GG	INTERGENIC		
SNP_29183B_34144620	Ca_Kabuli_Chr06	NC_021165.1	34144620	AA	CC	CC	INTERGENIC		
SNP_29184B_34144653	Ca_Kabuli_Chr06	NC_021165.1	34144653	AA	TT	TT	INTERGENIC		
SNP_29185B_34144654	Ca_Kabuli_Chr06	NC_021165.1	34144654	TT	AA	AA	INTERGENIC		
SNP_29186B_34144669	Ca_Kabuli_Chr06	NC_021165.1	34144669	CC	GG	GG	INTERGENIC		
SNP_29187B_34145005	Ca_Kabuli_Chr06	NC_021165.1	34145005	TT	GG	GG	INTERGENIC		
SNP_29188B_34162270	Ca_Kabuli_Chr06	NC_021165.1	34162270	TT	AA	AA	INTERGENIC		
SNP_29189B_34162299	Ca_Kabuli_Chr06	NC_021165.1	34162299	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29190B_34164186	Ca_Kabuli_Chr06	NC_021165.1	34164186	GG	AA	AA	INTERGENIC		
SNP_29191B_34164326	Ca_Kabuli_Chr06	NC_021165.1	34164326	TT	CC	CC	INTERGENIC		
SNP_29192B_34164361	Ca_Kabuli_Chr06	NC_021165.1	34164361	CC	TT	TT	INTERGENIC		
SNP_29193B_34164374	Ca_Kabuli_Chr06	NC_021165.1	34164374	TT	AA	AA	INTERGENIC		
SNP_29194B_34164382	Ca_Kabuli_Chr06	NC_021165.1	34164382	AA	TT	TT	INTERGENIC		
SNP_29195B_34164405	Ca_Kabuli_Chr06	NC_021165.1	34164405	GG	AA	AA	INTERGENIC		
SNP_29196B_34164428	Ca_Kabuli_Chr06	NC_021165.1	34164428	AA	TT	TT	INTERGENIC		
SNP_29197B_34164493	Ca_Kabuli_Chr06	NC_021165.1	34164493	AA	GG	GG	INTERGENIC		
SNP_29198B_34164500	Ca_Kabuli_Chr06	NC_021165.1	34164500	CC	AA	AA	INTERGENIC		
SNP_29199B_34164542	Ca_Kabuli_Chr06	NC_021165.1	34164542	TT	AA	AA	INTERGENIC		
SNP_29200B_34164567	Ca_Kabuli_Chr06	NC_021165.1	34164567	CC	AA	AA	INTERGENIC		
SNP_29201B_34164568	Ca_Kabuli_Chr06	NC_021165.1	34164568	CC	AA	AA	INTERGENIC		
SNP_29202B_34164641	Ca_Kabuli_Chr06	NC_021165.1	34164641	TT	GG	GG	INTERGENIC		
SNP_29203B_34164677	Ca_Kabuli_Chr06	NC_021165.1	34164677	GG	AA	AA	INTERGENIC		
SNP_29205B_34164785	Ca_Kabuli_Chr06	NC_021165.1	34164785	TT	GG	GG	INTERGENIC		
SNP_29206B_34164787	Ca_Kabuli_Chr06	NC_021165.1	34164787	AA	GG	GG	INTERGENIC		
SNP_29207B_34164824	Ca_Kabuli_Chr06	NC_021165.1	34164824	CC	TT	TT	INTERGENIC		
SNP_29208B_34164845	Ca_Kabuli_Chr06	NC_021165.1	34164845	TT	CC	CC	INTERGENIC		
SNP_29209B_34164875	Ca_Kabuli_Chr06	NC_021165.1	34164875	GG	AA	AA	INTERGENIC		
SNP_29210B_34164899	Ca_Kabuli_Chr06	NC_021165.1	34164899	TT	AA	AA	INTERGENIC		
SNP_29211B_34164922	Ca_Kabuli_Chr06	NC_021165.1	34164922	CC	AA	AA	INTERGENIC		
SNP_29212B_34211809	Ca_Kabuli_Chr06	NC_021165.1	34211809	GG	AA	AA	URR	101512104	Unknown function
SNP_29213B_34439378	Ca_Kabuli_Chr06	NC_021165.1	34439378	GG	AA	AA	INTERGENIC		
SNP_29214B_34473494	Ca_Kabuli_Chr06	NC_021165.1	34473494	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29215B_34503833	Ca_Kabuli_Chr06	NC_021165.1	34503833	GG	AA	AA	INTERGENIC		
SNP_29216B_34528851	Ca_Kabuli_Chr06	NC_021165.1	34528851	AA	GG	GG	INTERGENIC		
SNP_29217B_34564592	Ca_Kabuli_Chr06	NC_021165.1	34564592	AA	GG	GG	INTERGENIC		
SNP_29218B_34567404	Ca_Kabuli_Chr06	NC_021165.1	34567404	CC	TT	TT	INTERGENIC		
SNP_29219B_34567840	Ca_Kabuli_Chr06	NC_021165.1	34567840	AA	TT	TT	INTERGENIC		
SNP_29220B_34567868	Ca_Kabuli_Chr06	NC_021165.1	34567868	AA	GG	GG	INTERGENIC		
SNP_29221B_34567915	Ca_Kabuli_Chr06	NC_021165.1	34567915	TT	AA	AA	INTERGENIC		
SNP_29222B_34568424	Ca_Kabuli_Chr06	NC_021165.1	34568424	AA	GG	GG	INTERGENIC		
SNP_29223B_34570076	Ca_Kabuli_Chr06	NC_021165.1	34570076	TT	CC	CC	INTERGENIC		
SNP_29225B_34570354	Ca_Kabuli_Chr06	NC_021165.1	34570354	GG	AA	AA	INTERGENIC		
SNP_29226B_34570856	Ca_Kabuli_Chr06	NC_021165.1	34570856	AA	GG	GG	INTERGENIC		
SNP_29227B_34570889	Ca_Kabuli_Chr06	NC_021165.1	34570889	CC	AA	AA	INTERGENIC		
SNP_29228B_34570890	Ca_Kabuli_Chr06	NC_021165.1	34570890	GG	AA	AA	INTERGENIC		
SNP_29229B_34570892	Ca_Kabuli_Chr06	NC_021165.1	34570892	TT	CC	CC	INTERGENIC		
SNP_29230B_34570908	Ca_Kabuli_Chr06	NC_021165.1	34570908	CC	AA	AA	INTERGENIC		
SNP_29231B_34614925	Ca_Kabuli_Chr06	NC_021165.1	34614925	TT	CC	CC	INTERGENIC		
SNP_29232B_34614926	Ca_Kabuli_Chr06	NC_021165.1	34614926	AA	GG	GG	INTERGENIC		
SNP_29233B_34684298	Ca_Kabuli_Chr06	NC_021165.1	34684298	CC	TT	TT	INTERGENIC		
SNP_29234B_34684384	Ca_Kabuli_Chr06	NC_021165.1	34684384	TT	CC	CC	INTERGENIC		
SNP_29235B_34684473	Ca_Kabuli_Chr06	NC_021165.1	34684473	TT	CC	CC	INTERGENIC		
SNP_29236B_34684676	Ca_Kabuli_Chr06	NC_021165.1	34684676	AA	TT	TT	INTERGENIC		
SNP_29237B_34684677	Ca_Kabuli_Chr06	NC_021165.1	34684677	CC	TT	TT	INTERGENIC		
SNP_29238B_34684679	Ca_Kabuli_Chr06	NC_021165.1	34684679	TT	GG	GG	INTERGENIC		
SNP_29239B_34684722	Ca_Kabuli_Chr06	NC_021165.1	34684722	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29241B_34749827	Ca_Kabuli_Chr06	NC_021165.1	34749827	CC	TT	TT	INTERGENIC		
SNP_29242B_34799512	Ca_Kabuli_Chr06	NC_021165.1	34799512	TT	GG	GG	INTERGENIC		
SNP_29243B_34799518	Ca_Kabuli_Chr06	NC_021165.1	34799518	AA	GG	GG	INTERGENIC		
SNP_29244B_34799527	Ca_Kabuli_Chr06	NC_021165.1	34799527	AA	GG	GG	INTERGENIC		
SNP_29245B_34799538	Ca_Kabuli_Chr06	NC_021165.1	34799538	CC	TT	TT	INTERGENIC		
SNP_29246B_34799564	Ca_Kabuli_Chr06	NC_021165.1	34799564	AA	GG	GG	INTERGENIC		
SNP_29247B_34799938	Ca_Kabuli_Chr06	NC_021165.1	34799938	AA	GG	GG	INTERGENIC		
SNP_29248B_34799954	Ca_Kabuli_Chr06	NC_021165.1	34799954	GG	AA	AA	INTERGENIC		
SNP_29249B_34809802	Ca_Kabuli_Chr06	NC_021165.1	34809802	AA	TT	TT	INTERGENIC		
SNP_29250B_34809850	Ca_Kabuli_Chr06	NC_021165.1	34809850	CC	TT	TT	INTERGENIC		
SNP_29251B_34810189	Ca_Kabuli_Chr06	NC_021165.1	34810189	CC	TT	TT	INTERGENIC		
SNP_29252B_34810217	Ca_Kabuli_Chr06	NC_021165.1	34810217	GG	CC	CC	INTERGENIC		
SNP_29253B_34814656	Ca_Kabuli_Chr06	NC_021165.1	34814656	AA	GG	GG	INTERGENIC		
SNP_29254B_34814693	Ca_Kabuli_Chr06	NC_021165.1	34814693	TT	CC	CC	INTERGENIC		
SNP_29256B_34816146	Ca_Kabuli_Chr06	NC_021165.1	34816146	GG	AA	AA	INTERGENIC		
SNP_29257B_34820420	Ca_Kabuli_Chr06	NC_021165.1	34820420	AA	TT	TT	INTRON	101503232	polygalacturonase-like
SNP_29258B_34820421	Ca_Kabuli_Chr06	NC_021165.1	34820421	CC	TT	TT	INTRON	101503232	polygalacturonase-like
SNP_29259B_34820422	Ca_Kabuli_Chr06	NC_021165.1	34820422	AA	TT	TT	INTRON	101503232	polygalacturonase-like
SNP_29260B_34820424	Ca_Kabuli_Chr06	NC_021165.1	34820424	TT	GG	GG	INTRON	101503232	polygalacturonase-like
SNP_29262B_34851314	Ca_Kabuli_Chr06	NC_021165.1	34851314	TT	AA	AA	INTRON	101503766	probable inactive purple acid phosphatase 24
SNP_29264B_34862527	Ca_Kabuli_Chr06	NC_021165.1	34862527	GG	TT	TT	INTERGENIC		
SNP_29265B_34866397	Ca_Kabuli_Chr06	NC_021165.1	34866397	GG	TT	TT	INTERGENIC		
SNP_29266B_34866406	Ca_Kabuli_Chr06	NC_021165.1	34866406	AA	TT	TT	INTERGENIC		
SNP_29267B_34869402	Ca_Kabuli_Chr06	NC_021165.1	34869402	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29269B_35113806	Ca_Kabuli_Chr06	NC_021165.1	35113806	AA	CC	CC	INTERGENIC		
SNP_29270B_35161466	Ca_Kabuli_Chr06	NC_021165.1	35161466	AA	GG	GG	INTERGENIC		
SNP_29271B_35161598	Ca_Kabuli_Chr06	NC_021165.1	35161598	AA	CC	CC	INTERGENIC		
SNP_29272B_35161619	Ca_Kabuli_Chr06	NC_021165.1	35161619	AA	GG	GG	INTERGENIC		
SNP_29273B_35161698	Ca_Kabuli_Chr06	NC_021165.1	35161698	TT	CC	CC	INTERGENIC		
SNP_29274B_35161771	Ca_Kabuli_Chr06	NC_021165.1	35161771	TT	CC	CC	INTERGENIC		
SNP_29275B_35161784	Ca_Kabuli_Chr06	NC_021165.1	35161784	CC	TT	TT	INTERGENIC		
SNP_29276B_35161789	Ca_Kabuli_Chr06	NC_021165.1	35161789	AA	GG	GG	INTERGENIC		
SNP_29278B_35161839	Ca_Kabuli_Chr06	NC_021165.1	35161839	GG	AA	AA	INTERGENIC		
SNP_29279B_35167215	Ca_Kabuli_Chr06	NC_021165.1	35167215	AA	GG	GG	INTERGENIC		
SNP_29280B_35168288	Ca_Kabuli_Chr06	NC_021165.1	35168288	TT	CC	CC	INTERGENIC		
SNP_29281B_35168290	Ca_Kabuli_Chr06	NC_021165.1	35168290	AA	GG	GG	INTERGENIC		
SNP_29282B_35168347	Ca_Kabuli_Chr06	NC_021165.1	35168347	AA	TT	TT	INTERGENIC		
SNP_29284B_35228466	Ca_Kabuli_Chr06	NC_021165.1	35228466	GG	TT	TT	INTERGENIC		
SNP_29285B_35228506	Ca_Kabuli_Chr06	NC_021165.1	35228506	AA	TT	TT	INTERGENIC		
SNP_29286B_35228507	Ca_Kabuli_Chr06	NC_021165.1	35228507	TT	GG	GG	INTERGENIC		
SNP_29287B_35228508	Ca_Kabuli_Chr06	NC_021165.1	35228508	TT	AA	AA	INTERGENIC		
SNP_29288B_35291741	Ca_Kabuli_Chr06	NC_021165.1	35291741	AA	GG	GG	INTERGENIC		
SNP_29289B_35367215	Ca_Kabuli_Chr06	NC_021165.1	35367215	GG	TT	TT	INTERGENIC		
SNP_29291B_35401375	Ca_Kabuli_Chr06	NC_021165.1	35401375	TT	CC	CC	INTERGENIC		
SNP_29292B_35418449	Ca_Kabuli_Chr06	NC_021165.1	35418449	CC	AA	AA	INTERGENIC		
SNP_29293B_35461535	Ca_Kabuli_Chr06	NC_021165.1	35461535	TT	GG	GG	INTERGENIC		
SNP_29294B_35466442	Ca_Kabuli_Chr06	NC_021165.1	35466442	GG	AA	AA	INTERGENIC		
SNP_29295B_35467447	Ca_Kabuli_Chr06	NC_021165.1	35467447	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29296B_35477739	Ca_Kabuli_Chr06	NC_021165.1	35477739	AA	CC	CC	URR	101508063	uncharacterized LOC101508063
SNP_29297B_35573611	Ca_Kabuli_Chr06	NC_021165.1	35573611	AA	GG	GG	INTERGENIC		
SNP_29298B_35596078	Ca_Kabuli_Chr06	NC_021165.1	35596078	TT	AA	AA	INTERGENIC		
SNP_29299B_35608863	Ca_Kabuli_Chr06	NC_021165.1	35608863	CC	GG	GG	INTERGENIC		
SNP_29300B_35608895	Ca_Kabuli_Chr06	NC_021165.1	35608895	TT	CC	CC	INTERGENIC		
SNP_29301B_35611752	Ca_Kabuli_Chr06	NC_021165.1	35611752	GG	AA	AA	INTERGENIC		
SNP_29303B_35703442	Ca_Kabuli_Chr06	NC_021165.1	35703442	AA	GG	GG	SYNONYMOUS_CODING	101491378	Unknown function
SNP_29304B_35704873	Ca_Kabuli_Chr06	NC_021165.1	35704873	AA	GG	GG	URR	101491378	Unknown function
SNP_29305B_35704879	Ca_Kabuli_Chr06	NC_021165.1	35704879	TT	GG	GG	URR	101491378	Unknown function
SNP_29306B_35704894	Ca_Kabuli_Chr06	NC_021165.1	35704894	AA	GG	GG	URR	101491378	Unknown function
SNP_29307B_35704921	Ca_Kabuli_Chr06	NC_021165.1	35704921	TT	CC	CC	URR	101491378	Unknown function
SNP_29308B_35704942	Ca_Kabuli_Chr06	NC_021165.1	35704942	AA	GG	GG	URR	101491378	Unknown function
SNP_29309B_35704957	Ca_Kabuli_Chr06	NC_021165.1	35704957	AA	GG	GG	URR	101491378	Unknown function
SNP_29310B_35704979	Ca_Kabuli_Chr06	NC_021165.1	35704979	TT	CC	CC	URR	101491378	Unknown function
SNP_29311B_35704980	Ca_Kabuli_Chr06	NC_021165.1	35704980	GG	CC	CC	URR	101491378	Unknown function
SNP_29312B_35705011	Ca_Kabuli_Chr06	NC_021165.1	35705011	CC	TT	TT	URR	101491378	Unknown function
SNP_29313B_35705036	Ca_Kabuli_Chr06	NC_021165.1	35705036	GG	TT	TT	URR	101491378	Unknown function
SNP_29314B_35705047	Ca_Kabuli_Chr06	NC_021165.1	35705047	TT	CC	CC	URR	101491378	Unknown function
SNP_29315B_35705068	Ca_Kabuli_Chr06	NC_021165.1	35705068	AA	GG	GG	URR	101491378	Unknown function
SNP_29316B_35705072	Ca_Kabuli_Chr06	NC_021165.1	35705072	TT	GG	GG	URR	101491378	Unknown function
SNP_29317B_35705099	Ca_Kabuli_Chr06	NC_021165.1	35705099	TT	CC	CC	URR	101491378	Unknown function
SNP_29318B_35705128	Ca_Kabuli_Chr06	NC_021165.1	35705128	TT	GG	GG	URR	101491378	Unknown function
SNP_29319B_35705237	Ca_Kabuli_Chr06	NC_021165.1	35705237	GG	TT	TT	URR	101491378	Unknown function
SNP_29320B_35705241	Ca_Kabuli_Chr06	NC_021165.1	35705241	TT	CC	CC	URR	101491378	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29321B_35705258	Ca_Kabuli_Chr06	NC_021165.1	35705258	TT	GG	GG	URR	101491378	Unknown function
SNP_29322B_35705278	Ca_Kabuli_Chr06	NC_021165.1	35705278	AA	CC	CC	URR	101491378	Unknown function
SNP_29323B_35705287	Ca_Kabuli_Chr06	NC_021165.1	35705287	CC	TT	TT	URR	101491378	Unknown function
SNP_29324B_35705301	Ca_Kabuli_Chr06	NC_021165.1	35705301	TT	CC	CC	URR	101491378	Unknown function
SNP_29325B_35705311	Ca_Kabuli_Chr06	NC_021165.1	35705311	GG	TT	TT	URR	101491378	Unknown function
SNP_29326B_35705390	Ca_Kabuli_Chr06	NC_021165.1	35705390	TT	CC	CC	URR	101491378	Unknown function
SNP_29327B_35705491	Ca_Kabuli_Chr06	NC_021165.1	35705491	TT	CC	CC	URR	101491378	Unknown function
SNP_29328B_35705521	Ca_Kabuli_Chr06	NC_021165.1	35705521	AA	GG	GG	URR	101491378	Unknown function
SNP_29329B_35705611	Ca_Kabuli_Chr06	NC_021165.1	35705611	AA	GG	GG	URR	101491378	Unknown function
SNP_29330B_35705843	Ca_Kabuli_Chr06	NC_021165.1	35705843	TT	AA	AA	URR	101491378	Unknown function
SNP_29331B_35705866	Ca_Kabuli_Chr06	NC_021165.1	35705866	TT	GG	GG	URR	101491378	Unknown function
SNP_29332B_35705873	Ca_Kabuli_Chr06	NC_021165.1	35705873	AA	CC	CC	URR	101491378	Unknown function
SNP_29333B_35705878	Ca_Kabuli_Chr06	NC_021165.1	35705878	AA	GG	GG	URR	101491378	Unknown function
SNP_29336B_35771466	Ca_Kabuli_Chr06	NC_021165.1	35771466	GG	CC	CC	INTERGENIC		
SNP_29337B_35771851	Ca_Kabuli_Chr06	NC_021165.1	35771851	AA	GG	GG	INTERGENIC		
SNP_29338B_35802500	Ca_Kabuli_Chr06	NC_021165.1	35802500	TT	CC	CC	URR	101510832	uncharacterized LOC101510832
SNP_29339B_35802502	Ca_Kabuli_Chr06	NC_021165.1	35802502	GG	AA	AA	URR	101510832	uncharacterized LOC101510832
SNP_29341B_35803368	Ca_Kabuli_Chr06	NC_021165.1	35803368	GG	AA	AA	INTERGENIC		
SNP_29342B_35805862	Ca_Kabuli_Chr06	NC_021165.1	35805862	TT	CC	CC	INTERGENIC		
SNP_29343B_35809324	Ca_Kabuli_Chr06	NC_021165.1	35809324	AA	GG	GG	NON_SYNONYMOUS_CODING	101492679	zinc finger MYM-type protein 1-like
SNP_29344B_35809507	Ca_Kabuli_Chr06	NC_021165.1	35809507	CC	TT	TT	NON_SYNONYMOUS_CODING	101492679	zinc finger MYM-type protein 1-like
SNP_29346B_35811042	Ca_Kabuli_Chr06	NC_021165.1	35811042	TT	CC	CC	SYNONYMOUS_CODING	101492679	zinc finger MYM-type protein 1-like
SNP_29347B_35811506	Ca_Kabuli_Chr06	NC_021165.1	35811506	TT	GG	GG	STOP_GAINED	101492679	zinc finger MYM-type protein 1-like
SNP_29348B_35811859	Ca_Kabuli_Chr06	NC_021165.1	35811859	CC	TT	TT	URR	101492679	zinc finger MYM-type protein 1-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29349B_35812804	Ca_Kabuli_Chr06	NC_021165.1	35812804	AA	GG	GG	URR	101492679	zinc finger MYM-type protein 1-like
SNP_29350B_35812913	Ca_Kabuli_Chr06	NC_021165.1	35812913	GG	TT	TT	URR	101492679	zinc finger MYM-type protein 1-like
SNP_29351B_35812959	Ca_Kabuli_Chr06	NC_021165.1	35812959	AA	GG	GG	URR	101492679	zinc finger MYM-type protein 1-like
SNP_29352B_35813310	Ca_Kabuli_Chr06	NC_021165.1	35813310	GG	AA	AA	URR	101492679	zinc finger MYM-type protein 1-like
SNP_29353B_35813316	Ca_Kabuli_Chr06	NC_021165.1	35813316	GG	AA	AA	URR	101492679	zinc finger MYM-type protein 1-like
SNP_29354B_35817077	Ca_Kabuli_Chr06	NC_021165.1	35817077	AA	CC	CC	INTERGENIC		
SNP_29355B_35818704	Ca_Kabuli_Chr06	NC_021165.1	35818704	AA	TT	TT	INTERGENIC		
SNP_29356B_35818709	Ca_Kabuli_Chr06	NC_021165.1	35818709	AA	GG	GG	INTERGENIC		
SNP_29357B_35819427	Ca_Kabuli_Chr06	NC_021165.1	35819427	GG	TT	TT	INTERGENIC		
SNP_29358B_35821704	Ca_Kabuli_Chr06	NC_021165.1	35821704	CC	TT	TT	INTERGENIC		
SNP_29359B_35831572	Ca_Kabuli_Chr06	NC_021165.1	35831572	AA	TT	TT	INTERGENIC		
SNP_29360B_35831590	Ca_Kabuli_Chr06	NC_021165.1	35831590	AA	CC	CC	INTERGENIC		
SNP_29361B_35831885	Ca_Kabuli_Chr06	NC_021165.1	35831885	GG	AA	AA	INTERGENIC		
SNP_29362B_35831916	Ca_Kabuli_Chr06	NC_021165.1	35831916	GG	CC	CC	INTERGENIC		
SNP_29363B_35831924	Ca_Kabuli_Chr06	NC_021165.1	35831924	AA	TT	TT	INTERGENIC		
SNP_29364B_35831939	Ca_Kabuli_Chr06	NC_021165.1	35831939	AA	GG	GG	INTERGENIC		
SNP_29365B_35831976	Ca_Kabuli_Chr06	NC_021165.1	35831976	TT	CC	CC	INTERGENIC		
SNP_29367B_35922038	Ca_Kabuli_Chr06	NC_021165.1	35922038	AA	GG	GG	INTERGENIC		
SNP_29368B_35922140	Ca_Kabuli_Chr06	NC_021165.1	35922140	AA	GG	GG	INTERGENIC		
SNP_29369B_35922358	Ca_Kabuli_Chr06	NC_021165.1	35922358	AA	CC	CC	INTERGENIC		
SNP_29371B_35922435	Ca_Kabuli_Chr06	NC_021165.1	35922435	AA	GG	GG	INTERGENIC		
SNP_29372B_35922450	Ca_Kabuli_Chr06	NC_021165.1	35922450	AA	GG	GG	INTERGENIC		
SNP_29373B_35998785	Ca_Kabuli_Chr06	NC_021165.1	35998785	TT	AA	AA	INTERGENIC		
SNP_29374B_35998985	Ca_Kabuli_Chr06	NC_021165.1	35998985	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29375B_35999053	Ca_Kabuli_Chr06	NC_021165.1	35999053	GG	CC	CC	INTERGENIC		
SNP_29376B_35999509	Ca_Kabuli_Chr06	NC_021165.1	35999509	GG	AA	AA	INTERGENIC		
SNP_29377B_36000241	Ca_Kabuli_Chr06	NC_021165.1	36000241	TT	AA	AA	INTERGENIC		
SNP_29378B_36000807	Ca_Kabuli_Chr06	NC_021165.1	36000807	AA	GG	GG	INTERGENIC		
SNP_29379B_36005814	Ca_Kabuli_Chr06	NC_021165.1	36005814	AA	TT	TT	INTERGENIC		
SNP_29381B_36032729	Ca_Kabuli_Chr06	NC_021165.1	36032729	AA	TT	TT	INTERGENIC		
SNP_29382B_36039680	Ca_Kabuli_Chr06	NC_021165.1	36039680	AA	CC	CC	INTERGENIC		
SNP_29383B_36062115	Ca_Kabuli_Chr06	NC_021165.1	36062115	TT	GG	GG	INTERGENIC		
SNP_29384B_36062128	Ca_Kabuli_Chr06	NC_021165.1	36062128	CC	TT	TT	INTERGENIC		
SNP_29385B_36062140	Ca_Kabuli_Chr06	NC_021165.1	36062140	AA	TT	TT	INTERGENIC		
SNP_29386B_36062149	Ca_Kabuli_Chr06	NC_021165.1	36062149	TT	CC	CC	INTERGENIC		
SNP_29387B_36070365	Ca_Kabuli_Chr06	NC_021165.1	36070365	AA	GG	GG	INTERGENIC		
SNP_29388B_36070372	Ca_Kabuli_Chr06	NC_021165.1	36070372	TT	CC	CC	INTERGENIC		
SNP_29389B_36083697	Ca_Kabuli_Chr06	NC_021165.1	36083697	TT	CC	CC	INTERGENIC		
SNP_29390B_36083781	Ca_Kabuli_Chr06	NC_021165.1	36083781	TT	CC	CC	INTERGENIC		
SNP_29391B_36083851	Ca_Kabuli_Chr06	NC_021165.1	36083851	TT	GG	GG	INTERGENIC		
SNP_29392B_36083853	Ca_Kabuli_Chr06	NC_021165.1	36083853	GG	AA	AA	INTERGENIC		
SNP_29393B_36083872	Ca_Kabuli_Chr06	NC_021165.1	36083872	AA	GG	GG	INTERGENIC		
SNP_29394B_36235186	Ca_Kabuli_Chr06	NC_021165.1	36235186	GG	AA	AA	URR	101495154	peptidyl-prolyl cis-trans isomerase FKBP43-like
SNP_29395B_36246507	Ca_Kabuli_Chr06	NC_021165.1	36246507	GG	AA	AA	URR	101499094	uncharacterized LOC101499094
SNP_29396B_36246516	Ca_Kabuli_Chr06	NC_021165.1	36246516	AA	GG	GG	URR	101499094	uncharacterized LOC101499094
SNP_29397B_36246544	Ca_Kabuli_Chr06	NC_021165.1	36246544	TT	CC	CC	URR	101499094	uncharacterized LOC101499094
SNP_29398B_36412269	Ca_Kabuli_Chr06	NC_021165.1	36412269	AA	GG	GG	INTERGENIC		
SNP_29399B_36450470	Ca_Kabuli_Chr06	NC_021165.1	36450470	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29400B_36450508	Ca_Kabuli_Chr06	NC_021165.1	36450508	GG	AA	AA	INTERGENIC		
SNP_29401B_36450821	Ca_Kabuli_Chr06	NC_021165.1	36450821	AA	GG	GG	INTERGENIC		
SNP_29402B_36487675	Ca_Kabuli_Chr06	NC_021165.1	36487675	AA	GG	GG	INTERGENIC		
SNP_29403B_36487986	Ca_Kabuli_Chr06	NC_021165.1	36487986	CC	AA	AA	INTERGENIC		
SNP_29404B_36487990	Ca_Kabuli_Chr06	NC_021165.1	36487990	CC	TT	TT	INTERGENIC		
SNP_29405B_36490723	Ca_Kabuli_Chr06	NC_021165.1	36490723	AA	TT	TT	INTERGENIC		
SNP_29406B_36490737	Ca_Kabuli_Chr06	NC_021165.1	36490737	CC	TT	TT	INTERGENIC		
SNP_29407B_36491192	Ca_Kabuli_Chr06	NC_021165.1	36491192	TT	CC	CC	INTERGENIC		
SNP_29408B_36518463	Ca_Kabuli_Chr06	NC_021165.1	36518463	TT	CC	CC	INTERGENIC		
SNP_29409B_36518519	Ca_Kabuli_Chr06	NC_021165.1	36518519	TT	CC	CC	INTERGENIC		
SNP_29410B_36555464	Ca_Kabuli_Chr06	NC_021165.1	36555464	TT	CC	CC	URR	101510179	Unknown function
SNP_29411B_36559548	Ca_Kabuli_Chr06	NC_021165.1	36559548	CC	AA	AA	INTERGENIC		
SNP_29412B_36559557	Ca_Kabuli_Chr06	NC_021165.1	36559557	TT	AA	AA	INTERGENIC		
SNP_29413B_36716619	Ca_Kabuli_Chr06	NC_021165.1	36716619	TT	AA	AA	INTERGENIC		
SNP_29414B_36716620	Ca_Kabuli_Chr06	NC_021165.1	36716620	TT	AA	AA	INTERGENIC		
SNP_29415B_36721146	Ca_Kabuli_Chr06	NC_021165.1	36721146	CC	TT	TT	INTERGENIC		
SNP_29416B_36721148	Ca_Kabuli_Chr06	NC_021165.1	36721148	TT	GG	GG	INTERGENIC		
SNP_29417B_36721160	Ca_Kabuli_Chr06	NC_021165.1	36721160	TT	CC	CC	INTERGENIC		
SNP_29418B_36721164	Ca_Kabuli_Chr06	NC_021165.1	36721164	TT	GG	GG	INTERGENIC		
SNP_29419B_36721179	Ca_Kabuli_Chr06	NC_021165.1	36721179	CC	TT	TT	INTERGENIC		
SNP_29422B_36722678	Ca_Kabuli_Chr06	NC_021165.1	36722678	AA	TT	TT	INTERGENIC		
SNP_29423B_36723493	Ca_Kabuli_Chr06	NC_021165.1	36723493	CC	TT	TT	INTERGENIC		
SNP_29424B_36773762	Ca_Kabuli_Chr06	NC_021165.1	36773762	AA	GG	GG	INTERGENIC		
SNP_29425B_36773776	Ca_Kabuli_Chr06	NC_021165.1	36773776	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29426B_36773804	Ca_Kabuli_Chr06	NC_021165.1	36773804	TT	GG	GG	INTERGENIC		
SNP_29427B_36774113	Ca_Kabuli_Chr06	NC_021165.1	36774113	AA	GG	GG	INTERGENIC		
SNP_29428B_36784555	Ca_Kabuli_Chr06	NC_021165.1	36784555	GG	TT	TT	INTERGENIC		
SNP_29429B_36786138	Ca_Kabuli_Chr06	NC_021165.1	36786138	AA	TT	TT	INTERGENIC		
SNP_29430B_36786160	Ca_Kabuli_Chr06	NC_021165.1	36786160	TT	CC	CC	INTERGENIC		
SNP_29431B_36786161	Ca_Kabuli_Chr06	NC_021165.1	36786161	AA	GG	GG	INTERGENIC		
SNP_29432B_36786173	Ca_Kabuli_Chr06	NC_021165.1	36786173	CC	AA	AA	INTERGENIC		
SNP_29433B_36786175	Ca_Kabuli_Chr06	NC_021165.1	36786175	GG	TT	TT	INTERGENIC		
SNP_29434B_36786212	Ca_Kabuli_Chr06	NC_021165.1	36786212	AA	GG	GG	INTERGENIC		
SNP_29435B_36786225	Ca_Kabuli_Chr06	NC_021165.1	36786225	TT	CC	CC	INTERGENIC		
SNP_29436B_36786325	Ca_Kabuli_Chr06	NC_021165.1	36786325	CC	TT	TT	INTERGENIC		
SNP_29437B_36787603	Ca_Kabuli_Chr06	NC_021165.1	36787603	TT	CC	CC	INTERGENIC		
SNP_29438B_36789577	Ca_Kabuli_Chr06	NC_021165.1	36789577	AA	GG	GG	INTERGENIC		
SNP_29439B_36789720	Ca_Kabuli_Chr06	NC_021165.1	36789720	TT	CC	CC	INTERGENIC		
SNP_29440B_36790123	Ca_Kabuli_Chr06	NC_021165.1	36790123	TT	CC	CC	INTERGENIC		
SNP_29441B_36890716	Ca_Kabuli_Chr06	NC_021165.1	36890716	TT	GG	GG	INTERGENIC		
SNP_29442B_36890718	Ca_Kabuli_Chr06	NC_021165.1	36890718	CC	TT	TT	INTERGENIC		
SNP_29443B_36890734	Ca_Kabuli_Chr06	NC_021165.1	36890734	AA	TT	TT	INTERGENIC		
SNP_29444B_36893091	Ca_Kabuli_Chr06	NC_021165.1	36893091	GG	AA	AA	INTERGENIC		
SNP_29445B_36893113	Ca_Kabuli_Chr06	NC_021165.1	36893113	CC	AA	AA	INTERGENIC		
SNP_29446B_36893139	Ca_Kabuli_Chr06	NC_021165.1	36893139	AA	CC	CC	INTERGENIC		
SNP_29447B_36893140	Ca_Kabuli_Chr06	NC_021165.1	36893140	CC	AA	AA	INTERGENIC		
SNP_29448B_36893148	Ca_Kabuli_Chr06	NC_021165.1	36893148	TT	AA	AA	INTERGENIC		
SNP_29449B_36893210	Ca_Kabuli_Chr06	NC_021165.1	36893210	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29450B_36893273	Ca_Kabuli_Chr06	NC_021165.1	36893273	GG	AA	AA	INTERGENIC		
SNP_29451B_36893286	Ca_Kabuli_Chr06	NC_021165.1	36893286	TT	AA	AA	INTERGENIC		
SNP_29452B_36893317	Ca_Kabuli_Chr06	NC_021165.1	36893317	TT	AA	AA	INTERGENIC		
SNP_29454B_36956911	Ca_Kabuli_Chr06	NC_021165.1	36956911	CC	TT	TT	INTERGENIC		
SNP_29455B_37028141	Ca_Kabuli_Chr06	NC_021165.1	37028141	AA	GG	GG	INTERGENIC		
SNP_29456B_37221504	Ca_Kabuli_Chr06	NC_021165.1	37221504	GG	AA	AA	INTERGENIC		
SNP_29457B_37221579	Ca_Kabuli_Chr06	NC_021165.1	37221579	TT	CC	CC	INTERGENIC		
SNP_29458B_37221783	Ca_Kabuli_Chr06	NC_021165.1	37221783	TT	CC	CC	INTERGENIC		
SNP_29459B_37221816	Ca_Kabuli_Chr06	NC_021165.1	37221816	TT	CC	CC	INTERGENIC		
SNP_29460B_37221830	Ca_Kabuli_Chr06	NC_021165.1	37221830	TT	CC	CC	INTERGENIC		
SNP_29461B_37221833	Ca_Kabuli_Chr06	NC_021165.1	37221833	AA	GG	GG	INTERGENIC		
SNP_29462B_37221845	Ca_Kabuli_Chr06	NC_021165.1	37221845	AA	GG	GG	INTERGENIC		
SNP_29463B_37221862	Ca_Kabuli_Chr06	NC_021165.1	37221862	TT	CC	CC	INTERGENIC		
SNP_29464B_37221880	Ca_Kabuli_Chr06	NC_021165.1	37221880	AA	GG	GG	INTERGENIC		
SNP_29465B_37221984	Ca_Kabuli_Chr06	NC_021165.1	37221984	TT	GG	GG	INTERGENIC		
SNP_29466B_37221995	Ca_Kabuli_Chr06	NC_021165.1	37221995	AA	GG	GG	INTERGENIC		
SNP_29467B_37222026	Ca_Kabuli_Chr06	NC_021165.1	37222026	TT	CC	CC	INTERGENIC		
SNP_29468B_37232313	Ca_Kabuli_Chr06	NC_021165.1	37232313	GG	TT	TT	INTERGENIC		
SNP_29469B_37246348	Ca_Kabuli_Chr06	NC_021165.1	37246348	AA	TT	TT	INTERGENIC		
SNP_29471B_37295904	Ca_Kabuli_Chr06	NC_021165.1	37295904	AA	GG	GG	INTRON	101512105	Unknown function
SNP_29472B_37295911	Ca_Kabuli_Chr06	NC_021165.1	37295911	TT	CC	CC	INTRON	101512105	Unknown function
SNP_29473B_37295927	Ca_Kabuli_Chr06	NC_021165.1	37295927	AA	GG	GG	INTRON	101512105	Unknown function
SNP_29474B_37295935	Ca_Kabuli_Chr06	NC_021165.1	37295935	AA	GG	GG	INTRON	101512105	Unknown function
SNP_29475B_37316134	Ca_Kabuli_Chr06	NC_021165.1	37316134	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29476B_37360211	Ca_Kabuli_Chr06	NC_021165.1	37360211	CC	TT	TT	INTERGENIC		
SNP_29477B_37452986	Ca_Kabuli_Chr06	NC_021165.1	37452986	GG	TT	TT	INTERGENIC		
SNP_29478B_37453018	Ca_Kabuli_Chr06	NC_021165.1	37453018	AA	GG	GG	INTERGENIC		
SNP_29479B_37453340	Ca_Kabuli_Chr06	NC_021165.1	37453340	TT	GG	GG	INTERGENIC		
SNP_29480B_37453405	Ca_Kabuli_Chr06	NC_021165.1	37453405	TT	CC	CC	INTERGENIC		
SNP_29481B_37453436	Ca_Kabuli_Chr06	NC_021165.1	37453436	TT	CC	CC	INTERGENIC		
SNP_29482B_37453464	Ca_Kabuli_Chr06	NC_021165.1	37453464	AA	TT	TT	INTERGENIC		
SNP_29483B_37453472	Ca_Kabuli_Chr06	NC_021165.1	37453472	TT	CC	CC	INTERGENIC		
SNP_29484B_37453481	Ca_Kabuli_Chr06	NC_021165.1	37453481	TT	GG	GG	INTERGENIC		
SNP_29485B_37453492	Ca_Kabuli_Chr06	NC_021165.1	37453492	CC	AA	AA	INTERGENIC		
SNP_29486B_37453518	Ca_Kabuli_Chr06	NC_021165.1	37453518	TT	CC	CC	INTERGENIC		
SNP_29487B_37453667	Ca_Kabuli_Chr06	NC_021165.1	37453667	TT	GG	GG	INTERGENIC		
SNP_29488B_37453674	Ca_Kabuli_Chr06	NC_021165.1	37453674	AA	GG	GG	INTERGENIC		
SNP_29489B_37453704	Ca_Kabuli_Chr06	NC_021165.1	37453704	AA	CC	CC	INTERGENIC		
SNP_29490B_37453797	Ca_Kabuli_Chr06	NC_021165.1	37453797	AA	GG	GG	INTERGENIC		
SNP_29491B_37453871	Ca_Kabuli_Chr06	NC_021165.1	37453871	AA	GG	GG	INTERGENIC		
SNP_29492B_37560609	Ca_Kabuli_Chr06	NC_021165.1	37560609	AA	CC	CC	INTERGENIC		
SNP_29493B_37560783	Ca_Kabuli_Chr06	NC_021165.1	37560783	TT	CC	CC	INTERGENIC		
SNP_29494B_37560790	Ca_Kabuli_Chr06	NC_021165.1	37560790	TT	AA	AA	INTERGENIC		
SNP_29495B_37611075	Ca_Kabuli_Chr06	NC_021165.1	37611075	CC	TT	TT	INTERGENIC		
SNP_29496B_37613194	Ca_Kabuli_Chr06	NC_021165.1	37613194	AA	CC	CC	INTERGENIC		
SNP_29497B_37613195	Ca_Kabuli_Chr06	NC_021165.1	37613195	AA	GG	GG	INTERGENIC		
SNP_29498B_37636483	Ca_Kabuli_Chr06	NC_021165.1	37636483	GG	AA	AA	INTERGENIC		
SNP_29499B_37636487	Ca_Kabuli_Chr06	NC_021165.1	37636487	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29500B_37636869	Ca_Kabuli_Chr06	NC_021165.1	37636869	GG	AA	AA	INTERGENIC		
SNP_29501B_37639095	Ca_Kabuli_Chr06	NC_021165.1	37639095	AA	CC	CC	INTERGENIC		
SNP_29502B_37639435	Ca_Kabuli_Chr06	NC_021165.1	37639435	TT	CC	CC	INTERGENIC		
SNP_29503B_37639516	Ca_Kabuli_Chr06	NC_021165.1	37639516	GG	TT	TT	INTERGENIC		
SNP_29504B_37639549	Ca_Kabuli_Chr06	NC_021165.1	37639549	AA	GG	GG	INTERGENIC		
SNP_29506B_37827502	Ca_Kabuli_Chr06	NC_021165.1	37827502	AA	TT	TT	INTERGENIC		
SNP_29507B_37834872	Ca_Kabuli_Chr06	NC_021165.1	37834872	CC	TT	TT	INTERGENIC		
SNP_29508B_37835316	Ca_Kabuli_Chr06	NC_021165.1	37835316	TT	CC	CC	INTERGENIC		
SNP_29509B_37835332	Ca_Kabuli_Chr06	NC_021165.1	37835332	AA	GG	GG	INTERGENIC		
SNP_29510B_37836482	Ca_Kabuli_Chr06	NC_021165.1	37836482	TT	CC	CC	INTERGENIC		
SNP_29511B_37893686	Ca_Kabuli_Chr06	NC_021165.1	37893686	AA	GG	GG	INTERGENIC		
SNP_29512B_37894142	Ca_Kabuli_Chr06	NC_021165.1	37894142	GG	AA	AA	INTERGENIC		
SNP_29513B_37894148	Ca_Kabuli_Chr06	NC_021165.1	37894148	TT	CC	CC	INTERGENIC		
SNP_29514B_37901771	Ca_Kabuli_Chr06	NC_021165.1	37901771	TT	CC	CC	INTERGENIC		
SNP_29515B_37901778	Ca_Kabuli_Chr06	NC_021165.1	37901778	CC	GG	GG	INTERGENIC		
SNP_29516B_37901800	Ca_Kabuli_Chr06	NC_021165.1	37901800	TT	CC	CC	INTERGENIC		
SNP_29517B_37901801	Ca_Kabuli_Chr06	NC_021165.1	37901801	GG	AA	AA	INTERGENIC		
SNP_29518B_37901811	Ca_Kabuli_Chr06	NC_021165.1	37901811	GG	TT	TT	INTERGENIC		
SNP_29519B_37902301	Ca_Kabuli_Chr06	NC_021165.1	37902301	GG	AA	AA	INTERGENIC		
SNP_29520B_37934640	Ca_Kabuli_Chr06	NC_021165.1	37934640	AA	GG	GG	INTERGENIC		
SNP_29521B_37935183	Ca_Kabuli_Chr06	NC_021165.1	37935183	CC	AA	AA	INTERGENIC		
SNP_29522B_37975721	Ca_Kabuli_Chr06	NC_021165.1	37975721	CC	TT	TT	INTERGENIC		
SNP_29523B_37975781	Ca_Kabuli_Chr06	NC_021165.1	37975781	TT	AA	AA	INTERGENIC		
SNP_29524B_37975813	Ca_Kabuli_Chr06	NC_021165.1	37975813	TT	CC	CC	URR	101488217	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29525B_37975858	Ca_Kabuli_Chr06	NC_021165.1	37975858	TT	AA	AA	URR	101488217	Unknown function
SNP_29526B_37975966	Ca_Kabuli_Chr06	NC_021165.1	37975966	CC	AA	AA	URR	101488217	Unknown function
SNP_29527B_37975984	Ca_Kabuli_Chr06	NC_021165.1	37975984	GG	AA	AA	URR	101488217	Unknown function
SNP_29528B_37976046	Ca_Kabuli_Chr06	NC_021165.1	37976046	TT	GG	GG	URR	101488217	Unknown function
SNP_29529B_37976126	Ca_Kabuli_Chr06	NC_021165.1	37976126	GG	AA	AA	URR	101488217	Unknown function
SNP_29530B_37976137	Ca_Kabuli_Chr06	NC_021165.1	37976137	TT	AA	AA	URR	101488217	Unknown function
SNP_29531B_37976160	Ca_Kabuli_Chr06	NC_021165.1	37976160	CC	TT	TT	URR	101488217	Unknown function
SNP_29532B_37976164	Ca_Kabuli_Chr06	NC_021165.1	37976164	CC	TT	TT	URR	101488217	Unknown function
SNP_29533B_37976294	Ca_Kabuli_Chr06	NC_021165.1	37976294	AA	TT	TT	URR	101488217	Unknown function
SNP_29534B_37977467	Ca_Kabuli_Chr06	NC_021165.1	37977467	AA	GG	GG	DRR	101492240	uncharacterized LOC101492240
SNP_29535B_37980750	Ca_Kabuli_Chr06	NC_021165.1	37980750	GG	AA	AA	URR	101492240	uncharacterized LOC101492240
SNP_29536B_37981131	Ca_Kabuli_Chr06	NC_021165.1	37981131	GG	CC	CC	URR	101492240	uncharacterized LOC101492240
SNP_29537B_37981144	Ca_Kabuli_Chr06	NC_021165.1	37981144	GG	TT	TT	URR	101492240	uncharacterized LOC101492240
SNP_29538B_37981480	Ca_Kabuli_Chr06	NC_021165.1	37981480	GG	AA	AA	URR	101492240	uncharacterized LOC101492240
SNP_29539B_37981519	Ca_Kabuli_Chr06	NC_021165.1	37981519	AA	GG	GG	URR	101492240	uncharacterized LOC101492240
SNP_29540B_37981593	Ca_Kabuli_Chr06	NC_021165.1	37981593	AA	GG	GG	URR	101492240	uncharacterized LOC101492240
SNP_29541B_37981676	Ca_Kabuli_Chr06	NC_021165.1	37981676	GG	AA	AA	INTRON	101492577	Unknown function
SNP_29542B_37981699	Ca_Kabuli_Chr06	NC_021165.1	37981699	TT	CC	CC	INTRON	101492577	Unknown function
SNP_29543B_37981708	Ca_Kabuli_Chr06	NC_021165.1	37981708	CC	TT	TT	INTRON	101492577	Unknown function
SNP_29544B_37981786	Ca_Kabuli_Chr06	NC_021165.1	37981786	CC	TT	TT	INTRON	101492577	Unknown function
SNP_29546B_37981881	Ca_Kabuli_Chr06	NC_021165.1	37981881	GG	AA	AA	INTRON	101492577	Unknown function
SNP_29547B_37982008	Ca_Kabuli_Chr06	NC_021165.1	37982008	AA	CC	CC	INTRON	101492577	Unknown function
SNP_29548B_37982062	Ca_Kabuli_Chr06	NC_021165.1	37982062	TT	GG	GG	INTRON	101492577	Unknown function
SNP_29550B_37982188	Ca_Kabuli_Chr06	NC_021165.1	37982188	CC	AA	AA	INTRON	101492577	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29551B_38112887	Ca_Kabuli_Chr06	NC_021165.1	38112887	AA	CC	CC	INTERGENIC		
SNP_29552B_38124620	Ca_Kabuli_Chr06	NC_021165.1	38124620	AA	GG	GG	INTERGENIC		
SNP_29553B_38124653	Ca_Kabuli_Chr06	NC_021165.1	38124653	AA	GG	GG	INTERGENIC		
SNP_29554B_38124654	Ca_Kabuli_Chr06	NC_021165.1	38124654	CC	TT	TT	INTERGENIC		
SNP_29555B_38124660	Ca_Kabuli_Chr06	NC_021165.1	38124660	AA	GG	GG	INTERGENIC		
SNP_29556B_38135089	Ca_Kabuli_Chr06	NC_021165.1	38135089	TT	CC	CC	URR	101494827	serine/threonine-protein phosphatase 7 long form homolog
SNP_29557B_38135203	Ca_Kabuli_Chr06	NC_021165.1	38135203	AA	GG	GG	URR	101494827	serine/threonine-protein phosphatase 7 long form homolog
SNP_29558B_38135229	Ca_Kabuli_Chr06	NC_021165.1	38135229	TT	CC	CC	URR	101494827	serine/threonine-protein phosphatase 7 long form homolog
SNP_29559B_38135341	Ca_Kabuli_Chr06	NC_021165.1	38135341	AA	GG	GG	URR	101494827	serine/threonine-protein phosphatase 7 long form homolog
SNP_29560B_38135351	Ca_Kabuli_Chr06	NC_021165.1	38135351	TT	CC	CC	URR	101494827	serine/threonine-protein phosphatase 7 long form homolog
SNP_29561B_38135383	Ca_Kabuli_Chr06	NC_021165.1	38135383	TT	AA	AA	URR	101494827	serine/threonine-protein phosphatase 7 long form homolog
SNP_29562B_38135404	Ca_Kabuli_Chr06	NC_021165.1	38135404	GG	AA	AA	URR	101494827	serine/threonine-protein phosphatase 7 long form homolog
SNP_29563B_38135421	Ca_Kabuli_Chr06	NC_021165.1	38135421	CC	AA	AA	URR	101494827	serine/threonine-protein phosphatase 7 long form homolog
SNP_29564B_38135422	Ca_Kabuli_Chr06	NC_021165.1	38135422	TT	AA	AA	URR	101494827	serine/threonine-protein phosphatase 7 long form homolog
SNP_29565B_38135425	Ca_Kabuli_Chr06	NC_021165.1	38135425	AA	GG	GG	URR	101494827	serine/threonine-protein phosphatase 7 long form homolog
SNP_29566B_38135467	Ca_Kabuli_Chr06	NC_021165.1	38135467	TT	CC	CC	URR	101494827	serine/threonine-protein phosphatase 7 long form homolog
SNP_29567B_38135483	Ca_Kabuli_Chr06	NC_021165.1	38135483	TT	CC	CC	URR	101494827	serine/threonine-protein phosphatase 7 long form homolog
SNP_29568B_38135492	Ca_Kabuli_Chr06	NC_021165.1	38135492	AA	GG	GG	URR	101494827	serine/threonine-protein phosphatase 7 long form homolog
SNP_29569B_38135506	Ca_Kabuli_Chr06	NC_021165.1	38135506	AA	GG	GG	URR	101494827	serine/threonine-protein phosphatase 7 long form homolog
SNP_29570B_38135527	Ca_Kabuli_Chr06	NC_021165.1	38135527	CC	TT	TT	URR	101494827	serine/threonine-protein phosphatase 7 long form homolog
SNP_29571B_38181722	Ca_Kabuli_Chr06	NC_021165.1	38181722	CC	TT	TT	INTERGENIC		
SNP_29572B_38181724	Ca_Kabuli_Chr06	NC_021165.1	38181724	AA	GG	GG	INTERGENIC		
SNP_29573B_38196165	Ca_Kabuli_Chr06	NC_021165.1	38196165	AA	CC	CC	INTERGENIC		
SNP_29574B_38196208	Ca_Kabuli_Chr06	NC_021165.1	38196208	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29575B_38196474	Ca_Kabuli_Chr06	NC_021165.1	38196474	TT	CC	CC	INTERGENIC		
SNP_29576B_38196496	Ca_Kabuli_Chr06	NC_021165.1	38196496	AA	GG	GG	INTERGENIC		
SNP_29577B_38196502	Ca_Kabuli_Chr06	NC_021165.1	38196502	AA	TT	TT	INTERGENIC		
SNP_29578B_38196556	Ca_Kabuli_Chr06	NC_021165.1	38196556	AA	GG	GG	INTERGENIC		
SNP_29579B_38202156	Ca_Kabuli_Chr06	NC_021165.1	38202156	AA	GG	GG	INTERGENIC		
SNP_29580B_38202188	Ca_Kabuli_Chr06	NC_021165.1	38202188	AA	GG	GG	INTERGENIC		
SNP_29581B_38238007	Ca_Kabuli_Chr06	NC_021165.1	38238007	AA	CC	CC	INTERGENIC		
SNP_29582B_38296409	Ca_Kabuli_Chr06	NC_021165.1	38296409	AA	GG	GG	INTERGENIC		
SNP_29583B_38378699	Ca_Kabuli_Chr06	NC_021165.1	38378699	GG	AA	AA	INTERGENIC		
SNP_29584B_38380289	Ca_Kabuli_Chr06	NC_021165.1	38380289	AA	GG	GG	INTERGENIC		
SNP_29585B_38382095	Ca_Kabuli_Chr06	NC_021165.1	38382095	AA	GG	GG	INTERGENIC		
SNP_29586B_38438002	Ca_Kabuli_Chr06	NC_021165.1	38438002	TT	CC	CC	NON_SYNONYMOUS_CODING	101491596	SCY1-like protein 2
SNP_29587B_38460652	Ca_Kabuli_Chr06	NC_021165.1	38460652	TT	CC	CC	INTERGENIC		
SNP_29588B_38461159	Ca_Kabuli_Chr06	NC_021165.1	38461159	GG	TT	TT	INTERGENIC		
SNP_29589B_38473041	Ca_Kabuli_Chr06	NC_021165.1	38473041	CC	TT	TT	INTERGENIC		
SNP_29590B_38473045	Ca_Kabuli_Chr06	NC_021165.1	38473045	GG	AA	AA	INTERGENIC		
SNP_29591B_38473180	Ca_Kabuli_Chr06	NC_021165.1	38473180	GG	AA	AA	INTERGENIC		
SNP_29592B_38473191	Ca_Kabuli_Chr06	NC_021165.1	38473191	GG	AA	AA	INTERGENIC		
SNP_29593B_38473278	Ca_Kabuli_Chr06	NC_021165.1	38473278	GG	AA	AA	INTERGENIC		
SNP_29594B_38473280	Ca_Kabuli_Chr06	NC_021165.1	38473280	TT	CC	CC	INTERGENIC		
SNP_29595B_38473299	Ca_Kabuli_Chr06	NC_021165.1	38473299	CC	TT	TT	INTERGENIC		
SNP_29596B_38473401	Ca_Kabuli_Chr06	NC_021165.1	38473401	TT	CC	CC	INTERGENIC		
SNP_29597B_38505799	Ca_Kabuli_Chr06	NC_021165.1	38505799	CC	TT	TT	INTERGENIC		
SNP_29598B_38505819	Ca_Kabuli_Chr06	NC_021165.1	38505819	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29599B_38512489	Ca_Kabuli_Chr06	NC_021165.1	38512489	CC	AA	AA	INTERGENIC		
SNP_29600B_38575380	Ca_Kabuli_Chr06	NC_021165.1	38575380	TT	GG	GG	INTERGENIC		
SNP_29601B_38575455	Ca_Kabuli_Chr06	NC_021165.1	38575455	GG	AA	AA	INTERGENIC		
SNP_29602B_38575464	Ca_Kabuli_Chr06	NC_021165.1	38575464	CC	GG	GG	INTERGENIC		
SNP_29603B_38575498	Ca_Kabuli_Chr06	NC_021165.1	38575498	CC	TT	TT	INTERGENIC		
SNP_29604B_38575646	Ca_Kabuli_Chr06	NC_021165.1	38575646	TT	CC	CC	INTERGENIC		
SNP_29605B_38575673	Ca_Kabuli_Chr06	NC_021165.1	38575673	GG	AA	AA	INTERGENIC		
SNP_29606B_38575679	Ca_Kabuli_Chr06	NC_021165.1	38575679	AA	GG	GG	INTERGENIC		
SNP_29607B_38575745	Ca_Kabuli_Chr06	NC_021165.1	38575745	GG	TT	TT	INTERGENIC		
SNP_29608B_38575763	Ca_Kabuli_Chr06	NC_021165.1	38575763	TT	AA	AA	INTERGENIC		
SNP_29609B_38577930	Ca_Kabuli_Chr06	NC_021165.1	38577930	CC	TT	TT	INTERGENIC		
SNP_29610B_38659593	Ca_Kabuli_Chr06	NC_021165.1	38659593	AA	TT	TT	INTERGENIC		
SNP_29611B_38659999	Ca_Kabuli_Chr06	NC_021165.1	38659999	TT	CC	CC	INTERGENIC		
SNP_29612B_38669741	Ca_Kabuli_Chr06	NC_021165.1	38669741	TT	CC	CC	INTERGENIC		
SNP_29613B_38670841	Ca_Kabuli_Chr06	NC_021165.1	38670841	TT	CC	CC	INTERGENIC		
SNP_29614B_38670885	Ca_Kabuli_Chr06	NC_021165.1	38670885	AA	GG	GG	INTERGENIC		
SNP_29615B_38717685	Ca_Kabuli_Chr06	NC_021165.1	38717685	AA	GG	GG	INTERGENIC		
SNP_29616B_38717855	Ca_Kabuli_Chr06	NC_021165.1	38717855	AA	GG	GG	INTERGENIC		
SNP_29617B_38717985	Ca_Kabuli_Chr06	NC_021165.1	38717985	GG	TT	TT	INTERGENIC		
SNP_29618B_38718062	Ca_Kabuli_Chr06	NC_021165.1	38718062	TT	CC	CC	INTERGENIC		
SNP_29619B_38828162	Ca_Kabuli_Chr06	NC_021165.1	38828162	AA	GG	GG	INTERGENIC		
SNP_29620B_38863508	Ca_Kabuli_Chr06	NC_021165.1	38863508	TT	CC	CC	INTERGENIC		
SNP_29621B_38863512	Ca_Kabuli_Chr06	NC_021165.1	38863512	TT	CC	CC	INTERGENIC		
SNP_29622B_38863556	Ca_Kabuli_Chr06	NC_021165.1	38863556	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29624B_38863941	Ca_Kabuli_Chr06	NC_021165.1	38863941	CC	TT	TT	INTERGENIC		
SNP_29625B_38863998	Ca_Kabuli_Chr06	NC_021165.1	38863998	TT	CC	AA	INTERGENIC		
SNP_29626B_38864028	Ca_Kabuli_Chr06	NC_021165.1	38864028	TT	AA	AA	INTERGENIC		
SNP_29627B_38865491	Ca_Kabuli_Chr06	NC_021165.1	38865491	AA	GG	GG	INTERGENIC		
SNP_29628B_38865493	Ca_Kabuli_Chr06	NC_021165.1	38865493	GG	AA	AA	INTERGENIC		
SNP_29629B_38865517	Ca_Kabuli_Chr06	NC_021165.1	38865517	TT	CC	CC	INTERGENIC		
SNP_29630B_38865521	Ca_Kabuli_Chr06	NC_021165.1	38865521	TT	GG	GG	INTERGENIC		
SNP_29631B_39049360	Ca_Kabuli_Chr06	NC_021165.1	39049360	TT	CC	CC	INTERGENIC		
SNP_29632B_39049391	Ca_Kabuli_Chr06	NC_021165.1	39049391	CC	TT	TT	INTERGENIC		
SNP_29633B_39049418	Ca_Kabuli_Chr06	NC_021165.1	39049418	AA	GG	GG	INTERGENIC		
SNP_29634B_39049425	Ca_Kabuli_Chr06	NC_021165.1	39049425	CC	TT	TT	INTERGENIC		
SNP_29635B_39049469	Ca_Kabuli_Chr06	NC_021165.1	39049469	CC	TT	TT	INTERGENIC		
SNP_29636B_39049480	Ca_Kabuli_Chr06	NC_021165.1	39049480	CC	TT	TT	INTERGENIC		
SNP_29637B_39049702	Ca_Kabuli_Chr06	NC_021165.1	39049702	CC	AA	AA	INTERGENIC		
SNP_29638B_39055564	Ca_Kabuli_Chr06	NC_021165.1	39055564	AA	TT	TT	INTRON	101512013	Unknown function
SNP_29639B_39055568	Ca_Kabuli_Chr06	NC_021165.1	39055568	TT	GG	GG	INTRON	101512013	Unknown function
SNP_29640B_39055594	Ca_Kabuli_Chr06	NC_021165.1	39055594	TT	CC	CC	INTRON	101512013	Unknown function
SNP_29641B_39056031	Ca_Kabuli_Chr06	NC_021165.1	39056031	AA	CC	CC	INTRON	101512013	Unknown function
SNP_29642B_39272261	Ca_Kabuli_Chr06	NC_021165.1	39272261	TT	CC	CC	INTERGENIC		
SNP_29643B_39283809	Ca_Kabuli_Chr06	NC_021165.1	39283809	AA	GG	GG	INTERGENIC		
SNP_29644B_39284149	Ca_Kabuli_Chr06	NC_021165.1	39284149	AA	GG	GG	INTERGENIC		
SNP_29645B_39284246	Ca_Kabuli_Chr06	NC_021165.1	39284246	AA	GG	GG	INTERGENIC		
SNP_29646B_39446517	Ca_Kabuli_Chr06	NC_021165.1	39446517	CC	TT	TT	INTERGENIC		
SNP_29647B_39499994	Ca_Kabuli_Chr06	NC_021165.1	39499994	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29648B_39500189	Ca_Kabuli_Chr06	NC_021165.1	39500189	TT	CC	CC	INTERGENIC		
SNP_29649B_39500214	Ca_Kabuli_Chr06	NC_021165.1	39500214	GG	AA	AA	INTERGENIC		
SNP_29650B_39500217	Ca_Kabuli_Chr06	NC_021165.1	39500217	CC	TT	TT	INTERGENIC		
SNP_29651B_39514572	Ca_Kabuli_Chr06	NC_021165.1	39514572	AA	GG	GG	INTERGENIC		
SNP_29652B_39545322	Ca_Kabuli_Chr06	NC_021165.1	39545322	TT	CC	CC	INTERGENIC		
SNP_29653B_39679180	Ca_Kabuli_Chr06	NC_021165.1	39679180	AA	CC	CC	INTERGENIC		
SNP_29654B_39679186	Ca_Kabuli_Chr06	NC_021165.1	39679186	CC	TT	TT	INTERGENIC		
SNP_29655B_39689540	Ca_Kabuli_Chr06	NC_021165.1	39689540	AA	GG	GG	INTERGENIC		
SNP_29656B_39790409	Ca_Kabuli_Chr06	NC_021165.1	39790409	TT	AA	AA	INTERGENIC		
SNP_29657B_39790414	Ca_Kabuli_Chr06	NC_021165.1	39790414	TT	CC	CC	INTERGENIC		
SNP_29658B_39792449	Ca_Kabuli_Chr06	NC_021165.1	39792449	GG	AA	AA	INTERGENIC		
SNP_29659B_39862887	Ca_Kabuli_Chr06	NC_021165.1	39862887	AA	GG	GG	INTERGENIC		
SNP_29661B_39862965	Ca_Kabuli_Chr06	NC_021165.1	39862965	GG	AA	AA	INTERGENIC		
SNP_29662B_39863002	Ca_Kabuli_Chr06	NC_021165.1	39863002	AA	CC	CC	INTERGENIC		
SNP_29664B_39880231	Ca_Kabuli_Chr06	NC_021165.1	39880231	AA	GG	GG	SYNONYMOUS_CODING	101491276	Unknown function
SNP_29665B_39880259	Ca_Kabuli_Chr06	NC_021165.1	39880259	TT	CC	CC	NON_SYNONYMOUS_CODING	101491276	Unknown function
SNP_29666B_39902903	Ca_Kabuli_Chr06	NC_021165.1	39902903	TT	CC	CC	INTERGENIC		
SNP_29667B_39923494	Ca_Kabuli_Chr06	NC_021165.1	39923494	GG	AA	AA	INTERGENIC		
SNP_29668B_40024171	Ca_Kabuli_Chr06	NC_021165.1	40024171	GG	CC	CC	INTERGENIC		
SNP_29669B_40036217	Ca_Kabuli_Chr06	NC_021165.1	40036217	GG	CC	CC	INTERGENIC		
SNP_29670B_40036483	Ca_Kabuli_Chr06	NC_021165.1	40036483	TT	AA	AA	INTERGENIC		
SNP_29671B_40036489	Ca_Kabuli_Chr06	NC_021165.1	40036489	AA	GG	GG	INTERGENIC		
SNP_29672B_40037039	Ca_Kabuli_Chr06	NC_021165.1	40037039	AA	CC	CC	INTERGENIC		
SNP_29673B_40100644	Ca_Kabuli_Chr06	NC_021165.1	40100644	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29674B_40119712	Ca_Kabuli_Chr06	NC_021165.1	40119712	TT	GG	GG	INTERGENIC		
SNP_29675B_40119715	Ca_Kabuli_Chr06	NC_021165.1	40119715	AA	GG	GG	INTERGENIC		
SNP_29676B_40131929	Ca_Kabuli_Chr06	NC_021165.1	40131929	GG	AA	AA	INTRON	101505156	tRNA 2'-phosphotransferase 1-like
SNP_29677B_40144533	Ca_Kabuli_Chr06	NC_021165.1	40144533	AA	TT	TT	INTERGENIC		
SNP_29678B_40188290	Ca_Kabuli_Chr06	NC_021165.1	40188290	TT	CC	CC	INTERGENIC		
SNP_29679B_40188651	Ca_Kabuli_Chr06	NC_021165.1	40188651	TT	GG	GG	INTERGENIC		
SNP_29680B_40249035	Ca_Kabuli_Chr06	NC_021165.1	40249035	GG	AA	AA	INTRON	101495156	Unknown function
SNP_29681B_40294611	Ca_Kabuli_Chr06	NC_021165.1	40294611	GG	TT	TT	INTERGENIC		
SNP_29682B_40523716	Ca_Kabuli_Chr06	NC_021165.1	40523716	TT	CC	CC	INTERGENIC		
SNP_29683B_40536554	Ca_Kabuli_Chr06	NC_021165.1	40536554	AA	GG	GG	INTERGENIC		
SNP_29684B_40536577	Ca_Kabuli_Chr06	NC_021165.1	40536577	CC	TT	TT	INTERGENIC		
SNP_29685B_40536640	Ca_Kabuli_Chr06	NC_021165.1	40536640	CC	TT	TT	INTERGENIC		
SNP_29686B_40536893	Ca_Kabuli_Chr06	NC_021165.1	40536893	AA	TT	TT	INTERGENIC		
SNP_29687B_40536903	Ca_Kabuli_Chr06	NC_021165.1	40536903	TT	AA	AA	INTERGENIC		
SNP_29688B_40542381	Ca_Kabuli_Chr06	NC_021165.1	40542381	CC	AA	AA	INTERGENIC		
SNP_29689B_40560506	Ca_Kabuli_Chr06	NC_021165.1	40560506	CC	TT	TT	INTERGENIC		
SNP_29690B_40590565	Ca_Kabuli_Chr06	NC_021165.1	40590565	TT	CC	CC	URR	101502899	Unknown function
SNP_29691B_40800355	Ca_Kabuli_Chr06	NC_021165.1	40800355	AA	GG	GG	INTERGENIC		
SNP_29692B_40845396	Ca_Kabuli_Chr06	NC_021165.1	40845396	TT	CC	CC	INTRON	101500464	3-phosphoshikimate 1-carboxyvinyltransferase 2
SNP_29693B_40862379	Ca_Kabuli_Chr06	NC_021165.1	40862379	TT	CC	CC	INTERGENIC		
SNP_29694B_40955355	Ca_Kabuli_Chr06	NC_021165.1	40955355	CC	TT	TT	INTERGENIC		
SNP_29695B_40955711	Ca_Kabuli_Chr06	NC_021165.1	40955711	AA	TT	TT	INTERGENIC		
SNP_29696B_41001193	Ca_Kabuli_Chr06	NC_021165.1	41001193	GG	AA	AA	INTERGENIC		
SNP_29697B_41001279	Ca_Kabuli_Chr06	NC_021165.1	41001279	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29698B_41001832	Ca_Kabuli_Chr06	NC_021165.1	41001832	TT	CC	CC	INTERGENIC		
SNP_29699B_41117922	Ca_Kabuli_Chr06	NC_021165.1	41117922	GG	TT	TT	INTERGENIC		
SNP_29700B_41117925	Ca_Kabuli_Chr06	NC_021165.1	41117925	CC	AA	AA	INTERGENIC		
SNP_29701B_41118308	Ca_Kabuli_Chr06	NC_021165.1	41118308	TT	GG	GG	INTERGENIC		
SNP_29702B_41118330	Ca_Kabuli_Chr06	NC_021165.1	41118330	AA	GG	GG	INTERGENIC		
SNP_29703B_41118432	Ca_Kabuli_Chr06	NC_021165.1	41118432	AA	TT	TT	INTERGENIC		
SNP_29704B_41118978	Ca_Kabuli_Chr06	NC_021165.1	41118978	TT	CC	CC	INTERGENIC		
SNP_29705B_41119058	Ca_Kabuli_Chr06	NC_021165.1	41119058	TT	CC	CC	INTERGENIC		
SNP_29706B_41128534	Ca_Kabuli_Chr06	NC_021165.1	41128534	AA	GG	GG	DRR	101509975	PLASMODESMATA CALLOSE-BINDING PROTEIN 3-like
SNP_29707B_41128688	Ca_Kabuli_Chr06	NC_021165.1	41128688	CC	TT	TT	NON_SYNONYMOUS_CODING	101509975	PLASMODESMATA CALLOSE-BINDING PROTEIN 3-like
SNP_29708B_41128693	Ca_Kabuli_Chr06	NC_021165.1	41128693	AA	GG	GG	NON_SYNONYMOUS_CODING	101509975	PLASMODESMATA CALLOSE-BINDING PROTEIN 3-like
SNP_29709B_41128699	Ca_Kabuli_Chr06	NC_021165.1	41128699	CC	TT	TT	NON_SYNONYMOUS_CODING	101509975	PLASMODESMATA CALLOSE-BINDING PROTEIN 3-like
SNP_29710B_41128701	Ca_Kabuli_Chr06	NC_021165.1	41128701	GG	AA	AA	SYNONYMOUS_CODING	101509975	PLASMODESMATA CALLOSE-BINDING PROTEIN 3-like
SNP_29711B_41128726	Ca_Kabuli_Chr06	NC_021165.1	41128726	TT	CC	CC	NON_SYNONYMOUS_CODING	101509975	PLASMODESMATA CALLOSE-BINDING PROTEIN 3-like
SNP_29712B_41128736	Ca_Kabuli_Chr06	NC_021165.1	41128736	CC	TT	TT	NON_SYNONYMOUS_CODING	101509975	PLASMODESMATA CALLOSE-BINDING PROTEIN 3-like
SNP_29713B_41131983	Ca_Kabuli_Chr06	NC_021165.1	41131983	CC	TT	TT	INTERGENIC		
SNP_29714B_41160108	Ca_Kabuli_Chr06	NC_021165.1	41160108	CC	TT	TT	INTRON	101510292	Unknown function
SNP_29715B_41165413	Ca_Kabuli_Chr06	NC_021165.1	41165413	CC	TT	TT	INTRON	101510292	Unknown function
SNP_29716B_41165430	Ca_Kabuli_Chr06	NC_021165.1	41165430	GG	CC	CC	INTRON	101510292	Unknown function
SNP_29717B_41165468	Ca_Kabuli_Chr06	NC_021165.1	41165468	CC	TT	TT	INTRON	101510292	Unknown function
SNP_29719B_41177592	Ca_Kabuli_Chr06	NC_021165.1	41177592	TT	AA	AA	INTRON	101510292	Unknown function
SNP_29720B_41230156	Ca_Kabuli_Chr06	NC_021165.1	41230156	CC	TT	TT	INTERGENIC		
SNP_29721B_41230433	Ca_Kabuli_Chr06	NC_021165.1	41230433	AA	CC	CC	INTERGENIC		
SNP_29722B_41230434	Ca_Kabuli_Chr06	NC_021165.1	41230434	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29723B_41230463	Ca_Kabuli_Chr06	NC_021165.1	41230463	AA	GG	GG	INTERGENIC		
SNP_29724B_41230486	Ca_Kabuli_Chr06	NC_021165.1	41230486	GG	TT	TT	INTERGENIC		
SNP_29725B_41230489	Ca_Kabuli_Chr06	NC_021165.1	41230489	GG	AA	AA	INTERGENIC		
SNP_29726B_41230594	Ca_Kabuli_Chr06	NC_021165.1	41230594	AA	GG	GG	INTERGENIC		
SNP_29727B_41301667	Ca_Kabuli_Chr06	NC_021165.1	41301667	CC	TT	TT	INTERGENIC		
SNP_29728B_41322556	Ca_Kabuli_Chr06	NC_021165.1	41322556	GG	AA	AA	INTERGENIC		
SNP_29729B_41358615	Ca_Kabuli_Chr06	NC_021165.1	41358615	TT	CC	CC	NON_SYNONYMOUS_CODING	101511578	Unknown function
SNP_29730B_41393889	Ca_Kabuli_Chr06	NC_021165.1	41393889	TT	AA	AA	INTERGENIC		
SNP_29731B_41405706	Ca_Kabuli_Chr06	NC_021165.1	41405706	AA	TT	TT	INTERGENIC		
SNP_29732B_41464139	Ca_Kabuli_Chr06	NC_021165.1	41464139	TT	CC	CC	INTERGENIC		
SNP_29733B_41464177	Ca_Kabuli_Chr06	NC_021165.1	41464177	AA	GG	GG	INTERGENIC		
SNP_29735B_41464303	Ca_Kabuli_Chr06	NC_021165.1	41464303	TT	CC	CC	INTERGENIC		
SNP_29736B_41464335	Ca_Kabuli_Chr06	NC_021165.1	41464335	CC	TT	TT	INTERGENIC		
SNP_29737B_41464338	Ca_Kabuli_Chr06	NC_021165.1	41464338	GG	TT	TT	INTERGENIC		
SNP_29738B_41464372	Ca_Kabuli_Chr06	NC_021165.1	41464372	TT	CC	CC	INTERGENIC		
SNP_29739B_41464374	Ca_Kabuli_Chr06	NC_021165.1	41464374	AA	GG	GG	INTERGENIC		
SNP_29740B_41573792	Ca_Kabuli_Chr06	NC_021165.1	41573792	GG	AA	AA	INTRON	101509648	uncharacterized LOC101509648
SNP_29741B_41573798	Ca_Kabuli_Chr06	NC_021165.1	41573798	AA	GG	GG	INTRON	101509648	uncharacterized LOC101509648
SNP_29742B_41573808	Ca_Kabuli_Chr06	NC_021165.1	41573808	AA	TT	TT	INTRON	101509648	uncharacterized LOC101509648
SNP_29743B_41574151	Ca_Kabuli_Chr06	NC_021165.1	41574151	AA	GG	GG	INTRON	101509648	uncharacterized LOC101509648
SNP_29744B_41574185	Ca_Kabuli_Chr06	NC_021165.1	41574185	TT	AA	AA	INTRON	101509648	uncharacterized LOC101509648
SNP_29747B_41574431	Ca_Kabuli_Chr06	NC_021165.1	41574431	CC	AA	AA	INTRON	101509648	uncharacterized LOC101509648
SNP_29748B_41574457	Ca_Kabuli_Chr06	NC_021165.1	41574457	TT	CC	CC	INTRON	101509648	uncharacterized LOC101509648
SNP_29749B_41574589	Ca_Kabuli_Chr06	NC_021165.1	41574589	AA	TT	TT	INTRON	101509648	uncharacterized LOC101509648

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29750B_41654361	Ca_Kabuli_Chr06	NC_021165.1	41654361	AA	GG	GG	INTERGENIC		
SNP_29751B_41654678	Ca_Kabuli_Chr06	NC_021165.1	41654678	TT	AA	AA	INTERGENIC		
SNP_29752B_41654699	Ca_Kabuli_Chr06	NC_021165.1	41654699	AA	TT	TT	INTERGENIC		
SNP_29753B_41654781	Ca_Kabuli_Chr06	NC_021165.1	41654781	AA	GG	GG	INTERGENIC		
SNP_29754B_41655587	Ca_Kabuli_Chr06	NC_021165.1	41655587	TT	AA	AA	INTERGENIC		
SNP_29755B_41656240	Ca_Kabuli_Chr06	NC_021165.1	41656240	CC	TT	TT	INTERGENIC		
SNP_29756B_41656963	Ca_Kabuli_Chr06	NC_021165.1	41656963	TT	GG	GG	INTERGENIC		
SNP_29757B_41657226	Ca_Kabuli_Chr06	NC_021165.1	41657226	CC	TT	TT	INTERGENIC		
SNP_29758B_41658087	Ca_Kabuli_Chr06	NC_021165.1	41658087	AA	GG	GG	INTERGENIC		
SNP_29759B_41659251	Ca_Kabuli_Chr06	NC_021165.1	41659251	GG	AA	AA	INTERGENIC		
SNP_29760B_41659380	Ca_Kabuli_Chr06	NC_021165.1	41659380	TT	CC	CC	INTERGENIC		
SNP_29762B_41659773	Ca_Kabuli_Chr06	NC_021165.1	41659773	AA	GG	GG	INTERGENIC		
SNP_29763B_41660936	Ca_Kabuli_Chr06	NC_021165.1	41660936	CC	TT	TT	INTERGENIC		
SNP_29764B_41661628	Ca_Kabuli_Chr06	NC_021165.1	41661628	GG	TT	TT	INTERGENIC		
SNP_29765B_41661653	Ca_Kabuli_Chr06	NC_021165.1	41661653	CC	TT	TT	INTERGENIC		
SNP_29767B_41681360	Ca_Kabuli_Chr06	NC_021165.1	41681360	TT	CC	CC	INTERGENIC		
SNP_29768B_41706510	Ca_Kabuli_Chr06	NC_021165.1	41706510	GG	AA	AA	DRR	101513520	uncharacterized LOC101513520
SNP_29769B_41706640	Ca_Kabuli_Chr06	NC_021165.1	41706640	TT	AA	AA	DRR	101513520	uncharacterized LOC101513520
SNP_29770B_41726147	Ca_Kabuli_Chr06	NC_021165.1	41726147	AA	GG	GG	INTERGENIC		
SNP_29771B_41743306	Ca_Kabuli_Chr06	NC_021165.1	41743306	GG	AA	AA	INTERGENIC		
SNP_29772B_41743388	Ca_Kabuli_Chr06	NC_021165.1	41743388	AA	GG	GG	INTERGENIC		
SNP_29773B_41743574	Ca_Kabuli_Chr06	NC_021165.1	41743574	TT	CC	CC	INTERGENIC		
SNP_29774B_41743678	Ca_Kabuli_Chr06	NC_021165.1	41743678	AA	CC	CC	INTERGENIC		
SNP_29775B_41743714	Ca_Kabuli_Chr06	NC_021165.1	41743714	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29776B_41743723	Ca_Kabuli_Chr06	NC_021165.1	41743723	AA	GG	GG	INTERGENIC		
SNP_29777B_41743744	Ca_Kabuli_Chr06	NC_021165.1	41743744	TT	CC	CC	INTERGENIC		
SNP_29778B_41856308	Ca_Kabuli_Chr06	NC_021165.1	41856308	CC	TT	TT	INTERGENIC		
SNP_29779B_41856348	Ca_Kabuli_Chr06	NC_021165.1	41856348	CC	TT	TT	INTERGENIC		
SNP_29780B_41856360	Ca_Kabuli_Chr06	NC_021165.1	41856360	AA	TT	TT	INTERGENIC		
SNP_29781B_41856366	Ca_Kabuli_Chr06	NC_021165.1	41856366	TT	AA	AA	INTERGENIC		
SNP_29782B_41856401	Ca_Kabuli_Chr06	NC_021165.1	41856401	CC	TT	TT	INTERGENIC		
SNP_29783B_41856421	Ca_Kabuli_Chr06	NC_021165.1	41856421	CC	TT	TT	INTERGENIC		
SNP_29785B_41856465	Ca_Kabuli_Chr06	NC_021165.1	41856465	AA	GG	GG	INTERGENIC		
SNP_29786B_41856494	Ca_Kabuli_Chr06	NC_021165.1	41856494	AA	GG	GG	INTERGENIC		
SNP_29787B_41856911	Ca_Kabuli_Chr06	NC_021165.1	41856911	GG	AA	AA	INTERGENIC		
SNP_29788B_41860519	Ca_Kabuli_Chr06	NC_021165.1	41860519	TT	CC	CC	INTERGENIC		
SNP_29789B_41871770	Ca_Kabuli_Chr06	NC_021165.1	41871770	TT	CC	CC	INTRON	101492241	Unknown function
SNP_29790B_41873619	Ca_Kabuli_Chr06	NC_021165.1	41873619	TT	GG	GG	INTRON	101492241	Unknown function
SNP_29791B_41873990	Ca_Kabuli_Chr06	NC_021165.1	41873990	TT	AA	AA	INTRON	101492241	Unknown function
SNP_29792B_41875027	Ca_Kabuli_Chr06	NC_021165.1	41875027	GG	TT	TT	INTRON	101492241	Unknown function
SNP_29793B_41900299	Ca_Kabuli_Chr06	NC_021165.1	41900299	CC	TT	TT	INTERGENIC		
SNP_29795B_41970025	Ca_Kabuli_Chr06	NC_021165.1	41970025	AA	GG	GG	INTERGENIC		
SNP_29796B_42011670	Ca_Kabuli_Chr06	NC_021165.1	42011670	TT	CC	CC	INTRON	101489330	serine carboxypeptidase-like 11
SNP_29797B_42017302	Ca_Kabuli_Chr06	NC_021165.1	42017302	TT	CC	CC	INTRON	101489330	serine carboxypeptidase-like 11
SNP_29798B_42020003	Ca_Kabuli_Chr06	NC_021165.1	42020003	TT	CC	CC	INTRON	101489330	serine carboxypeptidase-like 11
SNP_29799B_42020022	Ca_Kabuli_Chr06	NC_021165.1	42020022	TT	AA	AA	INTRON	101489330	serine carboxypeptidase-like 11
SNP_29800B_42020083	Ca_Kabuli_Chr06	NC_021165.1	42020083	CC	TT	TT	INTRON	101489330	serine carboxypeptidase-like 11
SNP_29801B_42020091	Ca_Kabuli_Chr06	NC_021165.1	42020091	AA	GG	GG	INTRON	101489330	serine carboxypeptidase-like 11

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29802B_42020463	Ca_Kabuli_Chr06	NC_021165.1	42020463	AA	GG	GG	INTRON	101489330	serine carboxypeptidase-like 11
SNP_29803B_42020494	Ca_Kabuli_Chr06	NC_021165.1	42020494	CC	GG	GG	INTRON	101489330	serine carboxypeptidase-like 11
SNP_29804B_42020503	Ca_Kabuli_Chr06	NC_021165.1	42020503	TT	GG	GG	INTRON	101489330	serine carboxypeptidase-like 11
SNP_29805B_42033656	Ca_Kabuli_Chr06	NC_021165.1	42033656	AA	GG	GG	INTRON	101489330	serine carboxypeptidase-like 11
SNP_29806B_42033667	Ca_Kabuli_Chr06	NC_021165.1	42033667	CC	AA	AA	INTRON	101489330	serine carboxypeptidase-like 11
SNP_29807B_42087288	Ca_Kabuli_Chr06	NC_021165.1	42087288	CC	AA	AA	INTRON	101489330	serine carboxypeptidase-like 11
SNP_29808B_42146136	Ca_Kabuli_Chr06	NC_021165.1	42146136	TT	CC	CC	INTERGENIC		
SNP_29809B_42208667	Ca_Kabuli_Chr06	NC_021165.1	42208667	CC	TT	TT	INTRON	101489005	serine carboxypeptidase-like 11
SNP_29810B_42208684	Ca_Kabuli_Chr06	NC_021165.1	42208684	GG	AA	AA	INTRON	101489005	serine carboxypeptidase-like 11
SNP_29811B_42208688	Ca_Kabuli_Chr06	NC_021165.1	42208688	GG	AA	AA	INTRON	101489005	serine carboxypeptidase-like 11
SNP_29812B_42208691	Ca_Kabuli_Chr06	NC_021165.1	42208691	TT	CC	CC	INTRON	101489005	serine carboxypeptidase-like 11
SNP_29813B_42208694	Ca_Kabuli_Chr06	NC_021165.1	42208694	AA	CC	CC	INTRON	101489005	serine carboxypeptidase-like 11
SNP_29814B_42208712	Ca_Kabuli_Chr06	NC_021165.1	42208712	GG	AA	AA	INTRON	101489005	serine carboxypeptidase-like 11
SNP_29815B_42208739	Ca_Kabuli_Chr06	NC_021165.1	42208739	AA	GG	GG	INTRON	101489005	serine carboxypeptidase-like 11
SNP_29816B_42208775	Ca_Kabuli_Chr06	NC_021165.1	42208775	CC	TT	TT	INTRON	101489005	serine carboxypeptidase-like 11
SNP_29817B_42342666	Ca_Kabuli_Chr06	NC_021165.1	42342666	CC	TT	TT	INTERGENIC		
SNP_29818B_42342733	Ca_Kabuli_Chr06	NC_021165.1	42342733	TT	CC	CC	INTERGENIC		
SNP_29820B_42386552	Ca_Kabuli_Chr06	NC_021165.1	42386552	GG	CC	CC	INTERGENIC		
SNP_29821B_42391854	Ca_Kabuli_Chr06	NC_021165.1	42391854	GG	AA	AA	INTERGENIC		
SNP_29822B_42391862	Ca_Kabuli_Chr06	NC_021165.1	42391862	GG	TT	TT	INTERGENIC		
SNP_29823B_42396672	Ca_Kabuli_Chr06	NC_021165.1	42396672	GG	AA	AA	URR	101489983	non-specific lipid-transfer protein A-like
SNP_29824B_42396734	Ca_Kabuli_Chr06	NC_021165.1	42396734	TT	GG	GG	INTERGENIC		
SNP_29825B_42396782	Ca_Kabuli_Chr06	NC_021165.1	42396782	TT	AA	AA	INTERGENIC		
SNP_29826B_42396882	Ca_Kabuli_Chr06	NC_021165.1	42396882	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29827B_42397053	Ca_Kabuli_Chr06	NC_021165.1	42397053	TT	AA	AA	INTERGENIC		
SNP_29828B_42397080	Ca_Kabuli_Chr06	NC_021165.1	42397080	TT	AA	AA	INTERGENIC		
SNP_29829B_42397299	Ca_Kabuli_Chr06	NC_021165.1	42397299	TT	CC	CC	INTERGENIC		
SNP_29830B_42397333	Ca_Kabuli_Chr06	NC_021165.1	42397333	AA	CC	CC	INTERGENIC		
SNP_29831B_42398582	Ca_Kabuli_Chr06	NC_021165.1	42398582	TT	CC	CC	INTERGENIC		
SNP_29832B_42398670	Ca_Kabuli_Chr06	NC_021165.1	42398670	AA	TT	TT	INTERGENIC		
SNP_29834B_42444288	Ca_Kabuli_Chr06	NC_021165.1	42444288	AA	GG	GG	INTERGENIC		
SNP_29835B_42461347	Ca_Kabuli_Chr06	NC_021165.1	42461347	AA	TT	TT	INTERGENIC		
SNP_29836B_42461688	Ca_Kabuli_Chr06	NC_021165.1	42461688	GG	TT	TT	INTERGENIC		
SNP_29837B_42461700	Ca_Kabuli_Chr06	NC_021165.1	42461700	TT	CC	CC	INTERGENIC		
SNP_29838B_42464623	Ca_Kabuli_Chr06	NC_021165.1	42464623	AA	TT	TT	DRR	101490637	non-specific lipid-transfer protein A-like
SNP_29839B_42464626	Ca_Kabuli_Chr06	NC_021165.1	42464626	CC	TT	TT	DRR	101490637	non-specific lipid-transfer protein A-like
SNP_29840B_42464634	Ca_Kabuli_Chr06	NC_021165.1	42464634	CC	GG	GG	DRR	101490637	non-specific lipid-transfer protein A-like
SNP_29841B_42464643	Ca_Kabuli_Chr06	NC_021165.1	42464643	AA	GG	GG	DRR	101490637	non-specific lipid-transfer protein A-like
SNP_29842B_42464702	Ca_Kabuli_Chr06	NC_021165.1	42464702	AA	GG	GG	DRR	101490637	non-specific lipid-transfer protein A-like
SNP_29843B_42464710	Ca_Kabuli_Chr06	NC_021165.1	42464710	GG	AA	AA	DRR	101490637	non-specific lipid-transfer protein A-like
SNP_29844B_42464911	Ca_Kabuli_Chr06	NC_021165.1	42464911	TT	AA	AA	DRR	101490637	non-specific lipid-transfer protein A-like
SNP_29845B_42464941	Ca_Kabuli_Chr06	NC_021165.1	42464941	AA	CC	CC	DRR	101490637	non-specific lipid-transfer protein A-like
SNP_29846B_42470626	Ca_Kabuli_Chr06	NC_021165.1	42470626	AA	CC	CC	INTERGENIC		
SNP_29847B_42473804	Ca_Kabuli_Chr06	NC_021165.1	42473804	GG	AA	AA	INTERGENIC		
SNP_29848B_42473817	Ca_Kabuli_Chr06	NC_021165.1	42473817	CC	TT	TT	INTERGENIC		
SNP_29849B_42473874	Ca_Kabuli_Chr06	NC_021165.1	42473874	GG	AA	AA	INTERGENIC		
SNP_29850B_42473878	Ca_Kabuli_Chr06	NC_021165.1	42473878	GG	TT	TT	INTERGENIC		
SNP_29851B_42474207	Ca_Kabuli_Chr06	NC_021165.1	42474207	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29852B_42478455	Ca_Kabuli_Chr06	NC_021165.1	42478455	TT	AA	AA	INTERGENIC		
SNP_29853B_42481073	Ca_Kabuli_Chr06	NC_021165.1	42481073	CC	TT	TT	URR	101491277	non-specific lipid-transfer protein AP10-like
SNP_29854B_42481151	Ca_Kabuli_Chr06	NC_021165.1	42481151	TT	CC	CC	URR	101491277	non-specific lipid-transfer protein AP10-like
SNP_29855B_42481155	Ca_Kabuli_Chr06	NC_021165.1	42481155	GG	AA	AA	URR	101491277	non-specific lipid-transfer protein AP10-like
SNP_29856B_42481206	Ca_Kabuli_Chr06	NC_021165.1	42481206	TT	CC	CC	URR	101491277	non-specific lipid-transfer protein AP10-like
SNP_29857B_42482637	Ca_Kabuli_Chr06	NC_021165.1	42482637	AA	CC	CC	INTERGENIC		
SNP_29858B_42524812	Ca_Kabuli_Chr06	NC_021165.1	42524812	AA	TT	TT	INTRON	101493241	sterol 3-beta-glucosyltransferase UGT80A2
SNP_29859B_42527978	Ca_Kabuli_Chr06	NC_021165.1	42527978	TT	CC	CC	INTRON	101493241	sterol 3-beta-glucosyltransferase UGT80A2
SNP_29860B_42602042	Ca_Kabuli_Chr06	NC_021165.1	42602042	GG	TT	TT	INTERGENIC		
SNP_29861B_42625135	Ca_Kabuli_Chr06	NC_021165.1	42625135	GG	TT	TT	INTERGENIC		
SNP_29862B_42625154	Ca_Kabuli_Chr06	NC_021165.1	42625154	GG	CC	CC	INTERGENIC		
SNP_29863B_42625250	Ca_Kabuli_Chr06	NC_021165.1	42625250	CC	TT	TT	INTERGENIC		
SNP_29864B_42625323	Ca_Kabuli_Chr06	NC_021165.1	42625323	TT	AA	AA	INTERGENIC		
SNP_29865B_42625330	Ca_Kabuli_Chr06	NC_021165.1	42625330	TT	GG	GG	INTERGENIC		
SNP_29866B_42625493	Ca_Kabuli_Chr06	NC_021165.1	42625493	TT	CC	CC	INTERGENIC		
SNP_29867B_42625501	Ca_Kabuli_Chr06	NC_021165.1	42625501	AA	GG	GG	INTERGENIC		
SNP_29868B_42625524	Ca_Kabuli_Chr06	NC_021165.1	42625524	GG	TT	TT	INTERGENIC		
SNP_29869B_42625572	Ca_Kabuli_Chr06	NC_021165.1	42625572	AA	GG	GG	INTERGENIC		
SNP_29870B_42625621	Ca_Kabuli_Chr06	NC_021165.1	42625621	AA	GG	GG	INTERGENIC		
SNP_29871B_42625664	Ca_Kabuli_Chr06	NC_021165.1	42625664	AA	GG	GG	INTERGENIC		
SNP_29872B_42859876	Ca_Kabuli_Chr06	NC_021165.1	42859876	AA	TT	TT	INTERGENIC		
SNP_29873B_42859900	Ca_Kabuli_Chr06	NC_021165.1	42859900	GG	CC	CC	INTERGENIC		
SNP_29874B_42899634	Ca_Kabuli_Chr06	NC_021165.1	42899634	AA	GG	GG	INTERGENIC		
SNP_29875B_42907106	Ca_Kabuli_Chr06	NC_021165.1	42907106	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29876B_42907478	Ca_Kabuli_Chr06	NC_021165.1	42907478	TT	CC	CC	INTERGENIC		
SNP_29877B_42910051	Ca_Kabuli_Chr06	NC_021165.1	42910051	CC	TT	TT	INTERGENIC		
SNP_29878B_42910086	Ca_Kabuli_Chr06	NC_021165.1	42910086	CC	TT	TT	INTERGENIC		
SNP_29879B_42913845	Ca_Kabuli_Chr06	NC_021165.1	42913845	TT	CC	CC	INTERGENIC		
SNP_29880B_42937431	Ca_Kabuli_Chr06	NC_021165.1	42937431	AA	TT	TT	INTERGENIC		
SNP_29881B_42937468	Ca_Kabuli_Chr06	NC_021165.1	42937468	AA	CC	CC	INTERGENIC		
SNP_29882B_42937542	Ca_Kabuli_Chr06	NC_021165.1	42937542	CC	AA	AA	INTERGENIC		
SNP_29883B_42937544	Ca_Kabuli_Chr06	NC_021165.1	42937544	CC	TT	TT	INTERGENIC		
SNP_29884B_42937631	Ca_Kabuli_Chr06	NC_021165.1	42937631	CC	TT	TT	INTERGENIC		
SNP_29885B_42938778	Ca_Kabuli_Chr06	NC_021165.1	42938778	CC	TT	TT	INTERGENIC		
SNP_29886B_42939247	Ca_Kabuli_Chr06	NC_021165.1	42939247	CC	TT	TT	INTERGENIC		
SNP_29887B_42939266	Ca_Kabuli_Chr06	NC_021165.1	42939266	TT	GG	GG	INTERGENIC		
SNP_29888B_42939771	Ca_Kabuli_Chr06	NC_021165.1	42939771	TT	CC	CC	INTERGENIC		
SNP_29889B_42940596	Ca_Kabuli_Chr06	NC_021165.1	42940596	AA	GG	GG	INTERGENIC		
SNP_29890B_43000072	Ca_Kabuli_Chr06	NC_021165.1	43000072	CC	AA	AA	INTERGENIC		
SNP_29891B_43010896	Ca_Kabuli_Chr06	NC_021165.1	43010896	GG	AA	AA	INTERGENIC		
SNP_29892B_43011015	Ca_Kabuli_Chr06	NC_021165.1	43011015	TT	GG	GG	INTERGENIC		
SNP_29893B_43011198	Ca_Kabuli_Chr06	NC_021165.1	43011198	TT	AA	AA	INTERGENIC		
SNP_29894B_43012021	Ca_Kabuli_Chr06	NC_021165.1	43012021	AA	TT	TT	INTERGENIC		
SNP_29895B_43012049	Ca_Kabuli_Chr06	NC_021165.1	43012049	CC	TT	TT	INTERGENIC		
SNP_29896B_43017614	Ca_Kabuli_Chr06	NC_021165.1	43017614	AA	TT	TT	INTERGENIC		
SNP_29897B_43043060	Ca_Kabuli_Chr06	NC_021165.1	43043060	AA	GG	GG	URR	101497441	uncharacterized LOC101497441
SNP_29899B_43044783	Ca_Kabuli_Chr06	NC_021165.1	43044783	AA	TT	TT	INTERGENIC		
SNP_29900B_43045682	Ca_Kabuli_Chr06	NC_021165.1	43045682	CC	TT	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29901B_43045713	Ca_Kabuli_Chr06	NC_021165.1	43045713	CC	TT	TT	INTERGENIC		
SNP_29902B_43045785	Ca_Kabuli_Chr06	NC_021165.1	43045785	CC	TT	TT	INTERGENIC		
SNP_29903B_43045847	Ca_Kabuli_Chr06	NC_021165.1	43045847	AA	GG	GG	INTERGENIC		
SNP_29904B_43045964	Ca_Kabuli_Chr06	NC_021165.1	43045964	TT	CC	CC	INTERGENIC		
SNP_29905B_43045969	Ca_Kabuli_Chr06	NC_021165.1	43045969	TT	CC	CC	INTERGENIC		
SNP_29906B_43045975	Ca_Kabuli_Chr06	NC_021165.1	43045975	GG	TT	TT	INTERGENIC		
SNP_29907B_43050245	Ca_Kabuli_Chr06	NC_021165.1	43050245	GG	AA	AA	INTERGENIC		
SNP_29908B_43058419	Ca_Kabuli_Chr06	NC_021165.1	43058419	AA	TT	TT	INTERGENIC		
SNP_29909B_43059239	Ca_Kabuli_Chr06	NC_021165.1	43059239	TT	AA	AA	INTERGENIC		
SNP_29910B_43060372	Ca_Kabuli_Chr06	NC_021165.1	43060372	CC	TT	TT	INTERGENIC		
SNP_29911B_43060709	Ca_Kabuli_Chr06	NC_021165.1	43060709	CC	GG	GG	INTERGENIC		
SNP_29912B_43060833	Ca_Kabuli_Chr06	NC_021165.1	43060833	TT	AA	AA	INTERGENIC		
SNP_29913B_43061251	Ca_Kabuli_Chr06	NC_021165.1	43061251	CC	TT	TT	INTERGENIC		
SNP_29914B_43061273	Ca_Kabuli_Chr06	NC_021165.1	43061273	AA	GG	GG	INTERGENIC		
SNP_29915B_43064263	Ca_Kabuli_Chr06	NC_021165.1	43064263	GG	AA	AA	INTERGENIC		
SNP_29916B_43064373	Ca_Kabuli_Chr06	NC_021165.1	43064373	CC	AA	AA	INTERGENIC		
SNP_29917B_43064385	Ca_Kabuli_Chr06	NC_021165.1	43064385	AA	GG	GG	INTERGENIC		
SNP_29918B_43064386	Ca_Kabuli_Chr06	NC_021165.1	43064386	CC	AA	AA	INTERGENIC		
SNP_29919B_43064472	Ca_Kabuli_Chr06	NC_021165.1	43064472	TT	AA	AA	INTERGENIC		
SNP_29920B_43065327	Ca_Kabuli_Chr06	NC_021165.1	43065327	GG	AA	AA	INTERGENIC		
SNP_29921B_43070578	Ca_Kabuli_Chr06	NC_021165.1	43070578	TT	CC	CC	INTERGENIC		
SNP_29922B_43076261	Ca_Kabuli_Chr06	NC_021165.1	43076261	TT	GG	GG	INTERGENIC		
SNP_29923B_43076289	Ca_Kabuli_Chr06	NC_021165.1	43076289	TT	GG	GG	INTERGENIC		
SNP_29924B_43077738	Ca_Kabuli_Chr06	NC_021165.1	43077738	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29925B_43138283	Ca_Kabuli_Chr06	NC_021165.1	43138283	GG	TT	TT	INTERGENIC		
SNP_29927B_43154162	Ca_Kabuli_Chr06	NC_021165.1	43154162	CC	TT	TT	INTERGENIC		
SNP_29928B_43156397	Ca_Kabuli_Chr06	NC_021165.1	43156397	AA	CC	CC	INTERGENIC		
SNP_29929B_43163240	Ca_Kabuli_Chr06	NC_021165.1	43163240	TT	AA	AA	INTERGENIC		
SNP_29930B_43163243	Ca_Kabuli_Chr06	NC_021165.1	43163243	GG	CC	CC	INTERGENIC		
SNP_29931B_43165903	Ca_Kabuli_Chr06	NC_021165.1	43165903	AA	TT	TT	INTERGENIC		
SNP_29932B_43165909	Ca_Kabuli_Chr06	NC_021165.1	43165909	AA	GG	GG	INTERGENIC		
SNP_29933B_43165910	Ca_Kabuli_Chr06	NC_021165.1	43165910	TT	GG	GG	INTERGENIC		
SNP_29934B_43165962	Ca_Kabuli_Chr06	NC_021165.1	43165962	AA	CC	CC	INTERGENIC		
SNP_29935B_43166369	Ca_Kabuli_Chr06	NC_021165.1	43166369	CC	TT	TT	INTERGENIC		
SNP_29936B_43166391	Ca_Kabuli_Chr06	NC_021165.1	43166391	AA	GG	GG	INTERGENIC		
SNP_29937B_43166413	Ca_Kabuli_Chr06	NC_021165.1	43166413	AA	CC	CC	INTERGENIC		
SNP_29938B_43166488	Ca_Kabuli_Chr06	NC_021165.1	43166488	TT	CC	CC	INTERGENIC		
SNP_29939B_43166561	Ca_Kabuli_Chr06	NC_021165.1	43166561	CC	TT	TT	INTERGENIC		
SNP_29940B_43166568	Ca_Kabuli_Chr06	NC_021165.1	43166568	TT	AA	AA	INTERGENIC		
SNP_29941B_43166604	Ca_Kabuli_Chr06	NC_021165.1	43166604	AA	GG	GG	INTERGENIC		
SNP_29942B_43166627	Ca_Kabuli_Chr06	NC_021165.1	43166627	TT	CC	CC	INTERGENIC		
SNP_29943B_43166628	Ca_Kabuli_Chr06	NC_021165.1	43166628	AA	TT	TT	INTERGENIC		
SNP_29944B_43166635	Ca_Kabuli_Chr06	NC_021165.1	43166635	AA	TT	TT	INTERGENIC		
SNP_29945B_43166657	Ca_Kabuli_Chr06	NC_021165.1	43166657	AA	TT	TT	INTERGENIC		
SNP_29946B_43166752	Ca_Kabuli_Chr06	NC_021165.1	43166752	TT	GG	GG	INTERGENIC		
SNP_29947B_43166760	Ca_Kabuli_Chr06	NC_021165.1	43166760	CC	AA	AA	INTERGENIC		
SNP_29948B_43166827	Ca_Kabuli_Chr06	NC_021165.1	43166827	GG	CC	CC	INTERGENIC		
SNP_29949B_43167304	Ca_Kabuli_Chr06	NC_021165.1	43167304	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29950B_43167504	Ca_Kabuli_Chr06	NC_021165.1	43167504	TT	CC	CC	INTERGENIC		
SNP_29951B_43167534	Ca_Kabuli_Chr06	NC_021165.1	43167534	TT	GG	GG	INTERGENIC		
SNP_29952B_43167552	Ca_Kabuli_Chr06	NC_021165.1	43167552	AA	TT	TT	INTERGENIC		
SNP_29953B_43167591	Ca_Kabuli_Chr06	NC_021165.1	43167591	GG	TT	TT	INTERGENIC		
SNP_29954B_43167625	Ca_Kabuli_Chr06	NC_021165.1	43167625	CC	GG	GG	INTERGENIC		
SNP_29955B_43167631	Ca_Kabuli_Chr06	NC_021165.1	43167631	CC	GG	GG	INTERGENIC		
SNP_29956B_43167635	Ca_Kabuli_Chr06	NC_021165.1	43167635	GG	TT	TT	INTERGENIC		
SNP_29957B_43167663	Ca_Kabuli_Chr06	NC_021165.1	43167663	GG	CC	CC	INTERGENIC		
SNP_29958B_43168635	Ca_Kabuli_Chr06	NC_021165.1	43168635	AA	TT	TT	INTERGENIC		
SNP_29959B_43168704	Ca_Kabuli_Chr06	NC_021165.1	43168704	CC	TT	TT	INTERGENIC		
SNP_29960B_43168716	Ca_Kabuli_Chr06	NC_021165.1	43168716	GG	CC	CC	INTERGENIC		
SNP_29961B_43168762	Ca_Kabuli_Chr06	NC_021165.1	43168762	TT	CC	CC	INTERGENIC		
SNP_29962B_43168763	Ca_Kabuli_Chr06	NC_021165.1	43168763	TT	AA	AA	INTERGENIC		
SNP_29963B_43168806	Ca_Kabuli_Chr06	NC_021165.1	43168806	AA	TT	TT	INTERGENIC		
SNP_29964B_43168832	Ca_Kabuli_Chr06	NC_021165.1	43168832	GG	AA	AA	INTERGENIC		
SNP_29965B_43168835	Ca_Kabuli_Chr06	NC_021165.1	43168835	CC	GG	GG	INTERGENIC		
SNP_29966B_43168901	Ca_Kabuli_Chr06	NC_021165.1	43168901	AA	GG	GG	INTERGENIC		
SNP_29967B_43168955	Ca_Kabuli_Chr06	NC_021165.1	43168955	CC	TT	TT	INTERGENIC		
SNP_29968B_43168971	Ca_Kabuli_Chr06	NC_021165.1	43168971	TT	GG	GG	INTERGENIC		
SNP_29969B_43168979	Ca_Kabuli_Chr06	NC_021165.1	43168979	AA	GG	GG	INTERGENIC		
SNP_29970B_43169168	Ca_Kabuli_Chr06	NC_021165.1	43169168	CC	TT	TT	INTERGENIC		
SNP_29971B_43169184	Ca_Kabuli_Chr06	NC_021165.1	43169184	TT	CC	CC	INTERGENIC		
SNP_29972B_43169366	Ca_Kabuli_Chr06	NC_021165.1	43169366	AA	CC	CC	INTERGENIC		
SNP_29973B_43169394	Ca_Kabuli_Chr06	NC_021165.1	43169394	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_29974B_43176146	Ca_Kabuli_Chr06	NC_021165.1	43176146	TT	CC	CC	INTERGENIC		
SNP_29975B_43176175	Ca_Kabuli_Chr06	NC_021165.1	43176175	GG	AA	AA	INTERGENIC		
SNP_29976B_43176244	Ca_Kabuli_Chr06	NC_021165.1	43176244	GG	AA	AA	INTERGENIC		
SNP_29977B_43176313	Ca_Kabuli_Chr06	NC_021165.1	43176313	TT	CC	CC	INTERGENIC		
SNP_29978B_43685995	Ca_Kabuli_Chr06	NC_021165.1	43685995	GG	AA	AA	INTERGENIC		
SNP_29979B_43707760	Ca_Kabuli_Chr06	NC_021165.1	43707760	TT	CC	CC	INTERGENIC		
SNP_29980B_43708077	Ca_Kabuli_Chr06	NC_021165.1	43708077	GG	AA	AA	INTERGENIC		
SNP_29981B_43842574	Ca_Kabuli_Chr06	NC_021165.1	43842574	CC	TT	TT	INTERGENIC		
SNP_29982B_43842588	Ca_Kabuli_Chr06	NC_021165.1	43842588	GG	AA	AA	INTERGENIC		
SNP_29983B_43842589	Ca_Kabuli_Chr06	NC_021165.1	43842589	AA	GG	GG	INTERGENIC		
SNP_29984B_43842615	Ca_Kabuli_Chr06	NC_021165.1	43842615	GG	CC	CC	INTERGENIC		
SNP_29985B_43842916	Ca_Kabuli_Chr06	NC_021165.1	43842916	CC	TT	TT	INTERGENIC		
SNP_29986B_43842960	Ca_Kabuli_Chr06	NC_021165.1	43842960	TT	CC	CC	INTERGENIC		
SNP_29987B_43847768	Ca_Kabuli_Chr06	NC_021165.1	43847768	TT	AA	AA	INTERGENIC		
SNP_29988B_43880973	Ca_Kabuli_Chr06	NC_021165.1	43880973	CC	AA	AA	INTERGENIC		
SNP_29989B_43881022	Ca_Kabuli_Chr06	NC_021165.1	43881022	AA	GG	GG	INTERGENIC		
SNP_29991B_43909347	Ca_Kabuli_Chr06	NC_021165.1	43909347	TT	GG	GG	INTERGENIC		
SNP_29992B_43909404	Ca_Kabuli_Chr06	NC_021165.1	43909404	AA	TT	TT	INTERGENIC		
SNP_29993B_43909405	Ca_Kabuli_Chr06	NC_021165.1	43909405	AA	CC	CC	INTERGENIC		
SNP_29994B_43909406	Ca_Kabuli_Chr06	NC_021165.1	43909406	CC	TT	TT	INTERGENIC		
SNP_29995B_43909407	Ca_Kabuli_Chr06	NC_021165.1	43909407	TT	GG	GG	INTERGENIC		
SNP_29996B_43909413	Ca_Kabuli_Chr06	NC_021165.1	43909413	GG	AA	AA	INTERGENIC		
SNP_29998B_44160559	Ca_Kabuli_Chr06	NC_021165.1	44160559	CC	TT	TT	INTERGENIC		
SNP_29999B_44160779	Ca_Kabuli_Chr06	NC_021165.1	44160779	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30000B_44160827	Ca_Kabuli_Chr06	NC_021165.1	44160827	TT	CC	CC	INTERGENIC		
SNP_30001B_44160864	Ca_Kabuli_Chr06	NC_021165.1	44160864	TT	GG	GG	INTERGENIC		
SNP_30002B_44160889	Ca_Kabuli_Chr06	NC_021165.1	44160889	AA	GG	GG	INTERGENIC		
SNP_30003B_44160936	Ca_Kabuli_Chr06	NC_021165.1	44160936	AA	CC	CC	INTERGENIC		
SNP_30004B_44160978	Ca_Kabuli_Chr06	NC_021165.1	44160978	AA	GG	GG	INTERGENIC		
SNP_30005B_44160983	Ca_Kabuli_Chr06	NC_021165.1	44160983	AA	GG	GG	INTERGENIC		
SNP_30006B_44160993	Ca_Kabuli_Chr06	NC_021165.1	44160993	GG	AA	AA	INTERGENIC		
SNP_30007B_44161040	Ca_Kabuli_Chr06	NC_021165.1	44161040	TT	AA	AA	INTERGENIC		
SNP_30008B_44161042	Ca_Kabuli_Chr06	NC_021165.1	44161042	GG	CC	CC	INTERGENIC		
SNP_30009B_44164268	Ca_Kabuli_Chr06	NC_021165.1	44164268	TT	AA	AA	INTERGENIC		
SNP_30011B_44265393	Ca_Kabuli_Chr06	NC_021165.1	44265393	TT	AA	AA	INTERGENIC		
SNP_30012B_44265437	Ca_Kabuli_Chr06	NC_021165.1	44265437	CC	AA	AA	INTERGENIC		
SNP_30013B_44265449	Ca_Kabuli_Chr06	NC_021165.1	44265449	GG	AA	AA	INTERGENIC		
SNP_30014B_44278941	Ca_Kabuli_Chr06	NC_021165.1	44278941	TT	CC	CC	INTERGENIC		
SNP_30015B_44278948	Ca_Kabuli_Chr06	NC_021165.1	44278948	CC	AA	AA	INTERGENIC		
SNP_30016B_44294269	Ca_Kabuli_Chr06	NC_021165.1	44294269	AA	GG	GG	INTERGENIC		
SNP_30017B_44294318	Ca_Kabuli_Chr06	NC_021165.1	44294318	CC	TT	TT	INTERGENIC		
SNP_30018B_44294329	Ca_Kabuli_Chr06	NC_021165.1	44294329	GG	AA	AA	INTERGENIC		
SNP_30020B_44302176	Ca_Kabuli_Chr06	NC_021165.1	44302176	TT	GG	GG	INTERGENIC		
SNP_30021B_44302462	Ca_Kabuli_Chr06	NC_021165.1	44302462	AA	CC	CC	INTERGENIC		
SNP_30022B_44302575	Ca_Kabuli_Chr06	NC_021165.1	44302575	AA	TT	TT	INTERGENIC		
SNP_30023B_44302576	Ca_Kabuli_Chr06	NC_021165.1	44302576	AA	GG	GG	INTERGENIC		
SNP_30024B_44302654	Ca_Kabuli_Chr06	NC_021165.1	44302654	TT	GG	GG	INTERGENIC		
SNP_30025B_44302659	Ca_Kabuli_Chr06	NC_021165.1	44302659	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30026B_44330792	Ca_Kabuli_Chr06	NC_021165.1	44330792	AA	TT	TT	INTERGENIC		
SNP_30027B_44330800	Ca_Kabuli_Chr06	NC_021165.1	44330800	TT	GG	GG	INTERGENIC		
SNP_30028B_44330802	Ca_Kabuli_Chr06	NC_021165.1	44330802	AA	GG	GG	INTERGENIC		
SNP_30029B_44353457	Ca_Kabuli_Chr06	NC_021165.1	44353457	CC	GG	GG	INTERGENIC		
SNP_30030B_44439330	Ca_Kabuli_Chr06	NC_021165.1	44439330	GG	AA	AA	INTRON	101511908	uncharacterized LOC101511908
SNP_30031B_44495786	Ca_Kabuli_Chr06	NC_021165.1	44495786	AA	TT	TT	INTERGENIC		
SNP_30032B_44516407	Ca_Kabuli_Chr06	NC_021165.1	44516407	AA	TT	TT	INTERGENIC		
SNP_30033B_44516593	Ca_Kabuli_Chr06	NC_021165.1	44516593	GG	AA	AA	INTERGENIC		
SNP_30034B_44516673	Ca_Kabuli_Chr06	NC_021165.1	44516673	TT	GG	GG	INTERGENIC		
SNP_30035B_44516751	Ca_Kabuli_Chr06	NC_021165.1	44516751	CC	TT	TT	INTERGENIC		
SNP_30036B_44516785	Ca_Kabuli_Chr06	NC_021165.1	44516785	AA	GG	GG	INTERGENIC		
SNP_30037B_44516789	Ca_Kabuli_Chr06	NC_021165.1	44516789	GG	AA	AA	INTERGENIC		
SNP_30038B_44516799	Ca_Kabuli_Chr06	NC_021165.1	44516799	CC	TT	TT	INTERGENIC		
SNP_30039B_44516806	Ca_Kabuli_Chr06	NC_021165.1	44516806	CC	TT	TT	INTERGENIC		
SNP_30040B_44516807	Ca_Kabuli_Chr06	NC_021165.1	44516807	GG	AA	AA	INTERGENIC		
SNP_30041B_44580800	Ca_Kabuli_Chr06	NC_021165.1	44580800	TT	CC	CC	INTERGENIC		
SNP_30042B_44580845	Ca_Kabuli_Chr06	NC_021165.1	44580845	TT	CC	CC	INTERGENIC		
SNP_30043B_44606529	Ca_Kabuli_Chr06	NC_021165.1	44606529	GG	AA	AA	INTERGENIC		
SNP_30044B_44626599	Ca_Kabuli_Chr06	NC_021165.1	44626599	TT	GG	GG	INTERGENIC		
SNP_30045B_44626948	Ca_Kabuli_Chr06	NC_021165.1	44626948	CC	GG	GG	INTERGENIC		
SNP_30046B_44626950	Ca_Kabuli_Chr06	NC_021165.1	44626950	AA	GG	GG	INTERGENIC		
SNP_30047B_44627030	Ca_Kabuli_Chr06	NC_021165.1	44627030	TT	AA	AA	INTERGENIC		
SNP_30048B_44648174	Ca_Kabuli_Chr06	NC_021165.1	44648174	TT	CC	CC	URR	101513410	uncharacterized LOC101513410
SNP_30049B_44648772	Ca_Kabuli_Chr06	NC_021165.1	44648772	CC	AA	AA	URR	101513410	uncharacterized LOC101513410

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30050B_44653483	Ca_Kabuli_Chr06	NC_021165.1	44653483	TT	CC	CC	INTERGENIC		
SNP_30051B_44653584	Ca_Kabuli_Chr06	NC_021165.1	44653584	TT	AA	AA	INTERGENIC		
SNP_30052B_44653850	Ca_Kabuli_Chr06	NC_021165.1	44653850	TT	CC	CC	INTERGENIC		
SNP_30053B_44653872	Ca_Kabuli_Chr06	NC_021165.1	44653872	GG	AA	AA	INTERGENIC		
SNP_30054B_44654059	Ca_Kabuli_Chr06	NC_021165.1	44654059	AA	TT	TT	INTERGENIC		
SNP_30055B_44654510	Ca_Kabuli_Chr06	NC_021165.1	44654510	TT	CC	CC	INTERGENIC		
SNP_30056B_44654696	Ca_Kabuli_Chr06	NC_021165.1	44654696	CC	TT	TT	INTERGENIC		
SNP_30057B_44678157	Ca_Kabuli_Chr06	NC_021165.1	44678157	GG	AA	AA	INTERGENIC		
SNP_30058B_44678169	Ca_Kabuli_Chr06	NC_021165.1	44678169	GG	TT	TT	INTERGENIC		
SNP_30059B_44678281	Ca_Kabuli_Chr06	NC_021165.1	44678281	AA	TT	TT	INTERGENIC		
SNP_30060B_44678318	Ca_Kabuli_Chr06	NC_021165.1	44678318	TT	GG	GG	INTERGENIC		
SNP_30061B_44678400	Ca_Kabuli_Chr06	NC_021165.1	44678400	AA	TT	TT	INTERGENIC		
SNP_30062B_44680156	Ca_Kabuli_Chr06	NC_021165.1	44680156	CC	TT	TT	URR	101410588	transfer RNA lysine (anticodon CUU)
SNP_30063B_44680162	Ca_Kabuli_Chr06	NC_021165.1	44680162	CC	TT	TT	URR	101410588	transfer RNA lysine (anticodon CUU)
SNP_30064B_44681644	Ca_Kabuli_Chr06	NC_021165.1	44681644	GG	AA	AA	URR	101410588	transfer RNA lysine (anticodon CUU)
SNP_30065B_44681965	Ca_Kabuli_Chr06	NC_021165.1	44681965	TT	AA	AA	URR	101410588	transfer RNA lysine (anticodon CUU)
SNP_30066B_44681970	Ca_Kabuli_Chr06	NC_021165.1	44681970	AA	GG	GG	URR	101410588	transfer RNA lysine (anticodon CUU)
SNP_30067B_44681983	Ca_Kabuli_Chr06	NC_021165.1	44681983	TT	CC	CC	URR	101410588	transfer RNA lysine (anticodon CUU)
SNP_30068B_44682821	Ca_Kabuli_Chr06	NC_021165.1	44682821	AA	TT	TT	INTERGENIC		
SNP_30069B_44682958	Ca_Kabuli_Chr06	NC_021165.1	44682958	AA	GG	GG	INTERGENIC		
SNP_30070B_44700012	Ca_Kabuli_Chr06	NC_021165.1	44700012	AA	GG	GG	INTERGENIC		
SNP_30071B_44700098	Ca_Kabuli_Chr06	NC_021165.1	44700098	GG	AA	AA	INTERGENIC		
SNP_30072B_44700112	Ca_Kabuli_Chr06	NC_021165.1	44700112	GG	TT	TT	INTERGENIC		
SNP_30073B_44700127	Ca_Kabuli_Chr06	NC_021165.1	44700127	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30074B_44707092	Ca_Kabuli_Chr06	NC_021165.1	44707092	TT	CC	CC	INTERGENIC		
SNP_30075B_44707338	Ca_Kabuli_Chr06	NC_021165.1	44707338	CC	TT	TT	INTERGENIC		
SNP_30076B_44707396	Ca_Kabuli_Chr06	NC_021165.1	44707396	CC	TT	TT	INTERGENIC		
SNP_30077B_44709081	Ca_Kabuli_Chr06	NC_021165.1	44709081	AA	CC	CC	DRR	101508065	uncharacterized LOC101508065
SNP_30078B_44709123	Ca_Kabuli_Chr06	NC_021165.1	44709123	CC	TT	TT	SYNONYMOUS_CODING	101508065	uncharacterized LOC101508065
SNP_30079B_44709126	Ca_Kabuli_Chr06	NC_021165.1	44709126	AA	GG	GG	SYNONYMOUS_CODING	101508065	uncharacterized LOC101508065
SNP_30080B_44709145	Ca_Kabuli_Chr06	NC_021165.1	44709145	GG	AA	AA	NON_SYNONYMOUS_CODING	101508065	uncharacterized LOC101508065
SNP_30081B_44711166	Ca_Kabuli_Chr06	NC_021165.1	44711166	GG	AA	AA	SYNONYMOUS_CODING	101508065	uncharacterized LOC101508065
SNP_30082B_44724199	Ca_Kabuli_Chr06	NC_021165.1	44724199	AA	TT	TT	INTERGENIC		
SNP_30083B_44724595	Ca_Kabuli_Chr06	NC_021165.1	44724595	AA	GG	GG	INTERGENIC		
SNP_30085B_44727072	Ca_Kabuli_Chr06	NC_021165.1	44727072	TT	CC	CC	INTERGENIC		
SNP_30086B_44727114	Ca_Kabuli_Chr06	NC_021165.1	44727114	AA	CC	CC	INTERGENIC		
SNP_30087B_44727160	Ca_Kabuli_Chr06	NC_021165.1	44727160	AA	CC	CC	INTERGENIC		
SNP_30088B_44737973	Ca_Kabuli_Chr06	NC_021165.1	44737973	CC	TT	TT	INTERGENIC		
SNP_30089B_44954219	Ca_Kabuli_Chr06	NC_021165.1	44954219	CC	TT	TT	DRR	101511260	Unknown function
SNP_30090B_44954224	Ca_Kabuli_Chr06	NC_021165.1	44954224	GG	AA	AA	DRR	101511260	Unknown function
SNP_30091B_44954265	Ca_Kabuli_Chr06	NC_021165.1	44954265	GG	AA	AA	DRR	101511260	Unknown function
SNP_30092B_44960206	Ca_Kabuli_Chr06	NC_021165.1	44960206	AA	CC	CC	INTERGENIC		
SNP_30093B_44960243	Ca_Kabuli_Chr06	NC_021165.1	44960243	GG	AA	AA	INTERGENIC		
SNP_30094B_44960282	Ca_Kabuli_Chr06	NC_021165.1	44960282	GG	TT	TT	INTERGENIC		
SNP_30095B_44960297	Ca_Kabuli_Chr06	NC_021165.1	44960297	CC	AA	AA	INTERGENIC		
SNP_30096B_44960315	Ca_Kabuli_Chr06	NC_021165.1	44960315	AA	GG	GG	INTERGENIC		
SNP_30097B_44960546	Ca_Kabuli_Chr06	NC_021165.1	44960546	TT	AA	AA	INTERGENIC		
SNP_30098B_44960608	Ca_Kabuli_Chr06	NC_021165.1	44960608	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30099B_44970678	Ca_Kabuli_Chr06	NC_021165.1	44970678	GG	AA	AA	INTERGENIC		
SNP_30100B_44977562	Ca_Kabuli_Chr06	NC_021165.1	44977562	CC	TT	TT	INTERGENIC		
SNP_30101B_45018517	Ca_Kabuli_Chr06	NC_021165.1	45018517	AA	CC	CC	INTERGENIC		
SNP_30102B_45018790	Ca_Kabuli_Chr06	NC_021165.1	45018790	CC	TT	TT	INTERGENIC		
SNP_30103B_45018792	Ca_Kabuli_Chr06	NC_021165.1	45018792	CC	TT	TT	INTERGENIC		
SNP_30104B_45018796	Ca_Kabuli_Chr06	NC_021165.1	45018796	AA	CC	CC	INTERGENIC		
SNP_30105B_45020857	Ca_Kabuli_Chr06	NC_021165.1	45020857	AA	GG	GG	INTERGENIC		
SNP_30106B_45020947	Ca_Kabuli_Chr06	NC_021165.1	45020947	GG	AA	AA	INTERGENIC		
SNP_30107B_45097492	Ca_Kabuli_Chr06	NC_021165.1	45097492	AA	GG	GG	URR	101490966	pentatricopeptide repeat-containing protein At1g52620-like
SNP_30108B_45135153	Ca_Kabuli_Chr06	NC_021165.1	45135153	GG	TT	TT	INTERGENIC		
SNP_30109B_45274614	Ca_Kabuli_Chr06	NC_021165.1	45274614	CC	TT	TT	INTERGENIC		
SNP_30110B_45274623	Ca_Kabuli_Chr06	NC_021165.1	45274623	TT	CC	CC	INTERGENIC		
SNP_30111B_45274641	Ca_Kabuli_Chr06	NC_021165.1	45274641	AA	TT	TT	INTERGENIC		
SNP_30112B_45274661	Ca_Kabuli_Chr06	NC_021165.1	45274661	TT	AA	AA	INTERGENIC		
SNP_30113B_45274669	Ca_Kabuli_Chr06	NC_021165.1	45274669	CC	AA	AA	INTERGENIC		
SNP_30114B_45274842	Ca_Kabuli_Chr06	NC_021165.1	45274842	AA	GG	GG	INTERGENIC		
SNP_30115B_45274872	Ca_Kabuli_Chr06	NC_021165.1	45274872	TT	CC	CC	INTERGENIC		
SNP_30116B_45274894	Ca_Kabuli_Chr06	NC_021165.1	45274894	AA	GG	GG	INTERGENIC		
SNP_30117B_45274902	Ca_Kabuli_Chr06	NC_021165.1	45274902	TT	CC	CC	INTERGENIC		
SNP_30119B_45282710	Ca_Kabuli_Chr06	NC_021165.1	45282710	TT	CC	CC	INTERGENIC		
SNP_30120B_45290210	Ca_Kabuli_Chr06	NC_021165.1	45290210	AA	GG	GG	INTERGENIC		
SNP_30121B_45290265	Ca_Kabuli_Chr06	NC_021165.1	45290265	AA	GG	GG	INTERGENIC		
SNP_30123B_45304992	Ca_Kabuli_Chr06	NC_021165.1	45304992	TT	AA	AA	URR	101514820	uncharacterized LOC101514820
SNP_30124B_45304997	Ca_Kabuli_Chr06	NC_021165.1	45304997	AA	GG	GG	URR	101514820	uncharacterized LOC101514820

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30126B_45329327	Ca_Kabuli_Chr06	NC_021165.1	45329327	CC	TT	TT	INTERGENIC		
SNP_30127B_45329473	Ca_Kabuli_Chr06	NC_021165.1	45329473	GG	TT	TT	INTERGENIC		
SNP_30128B_45331117	Ca_Kabuli_Chr06	NC_021165.1	45331117	TT	CC	CC	INTERGENIC		
SNP_30130B_45366467	Ca_Kabuli_Chr06	NC_021165.1	45366467	CC	AA	AA	INTERGENIC		
SNP_30132B_45404944	Ca_Kabuli_Chr06	NC_021165.1	45404944	AA	GG	GG	INTERGENIC		
SNP_30133B_45404974	Ca_Kabuli_Chr06	NC_021165.1	45404974	CC	TT	TT	INTERGENIC		
SNP_30134B_45405853	Ca_Kabuli_Chr06	NC_021165.1	45405853	AA	TT	TT	INTERGENIC		
SNP_30135B_45405969	Ca_Kabuli_Chr06	NC_021165.1	45405969	AA	TT	TT	INTERGENIC		
SNP_30136B_45469356	Ca_Kabuli_Chr06	NC_021165.1	45469356	TT	CC	CC	INTERGENIC		
SNP_30137B_45469415	Ca_Kabuli_Chr06	NC_021165.1	45469415	GG	AA	AA	INTERGENIC		
SNP_30138B_45469568	Ca_Kabuli_Chr06	NC_021165.1	45469568	GG	CC	CC	INTERGENIC		
SNP_30139B_45469625	Ca_Kabuli_Chr06	NC_021165.1	45469625	TT	CC	CC	INTERGENIC		
SNP_30140B_45473407	Ca_Kabuli_Chr06	NC_021165.1	45473407	TT	CC	CC	INTERGENIC		
SNP_30141B_45473641	Ca_Kabuli_Chr06	NC_021165.1	45473641	TT	AA	AA	INTERGENIC		
SNP_30142B_45473729	Ca_Kabuli_Chr06	NC_021165.1	45473729	CC	TT	TT	INTERGENIC		
SNP_30143B_45509931	Ca_Kabuli_Chr06	NC_021165.1	45509931	GG	AA	AA	DRR	101489222	Unknown function
SNP_30144B_45564436	Ca_Kabuli_Chr06	NC_021165.1	45564436	CC	TT	TT	INTERGENIC		
SNP_30145B_45585452	Ca_Kabuli_Chr06	NC_021165.1	45585452	AA	TT	TT	INTERGENIC		
SNP_30146B_45585668	Ca_Kabuli_Chr06	NC_021165.1	45585668	TT	CC	CC	INTERGENIC		
SNP_30147B_45585669	Ca_Kabuli_Chr06	NC_021165.1	45585669	AA	GG	GG	INTERGENIC		
SNP_30148B_45599642	Ca_Kabuli_Chr06	NC_021165.1	45599642	AA	GG	GG	INTERGENIC		
SNP_30149B_45599651	Ca_Kabuli_Chr06	NC_021165.1	45599651	TT	GG	GG	INTERGENIC		
SNP_30150B_45599671	Ca_Kabuli_Chr06	NC_021165.1	45599671	TT	CC	CC	INTERGENIC		
SNP_30151B_45599680	Ca_Kabuli_Chr06	NC_021165.1	45599680	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30152B_45599685	Ca_Kabuli_Chr06	NC_021165.1	45599685	AA	TT	TT	INTERGENIC		
SNP_30153B_45600031	Ca_Kabuli_Chr06	NC_021165.1	45600031	CC	TT	TT	INTERGENIC		
SNP_30154B_45600044	Ca_Kabuli_Chr06	NC_021165.1	45600044	AA	CC	CC	INTERGENIC		
SNP_30155B_45643171	Ca_Kabuli_Chr06	NC_021165.1	45643171	AA	CC	CC	INTERGENIC		
SNP_30156B_45643318	Ca_Kabuli_Chr06	NC_021165.1	45643318	CC	TT	TT	INTERGENIC		
SNP_30157B_45666912	Ca_Kabuli_Chr06	NC_021165.1	45666912	GG	AA	AA	INTERGENIC		
SNP_30158B_45747420	Ca_Kabuli_Chr06	NC_021165.1	45747420	AA	GG	GG	INTERGENIC		
SNP_30159B_45772236	Ca_Kabuli_Chr06	NC_021165.1	45772236	AA	TT	TT	DRR	101502584	disease resistance protein RPM1-like
SNP_30161B_45896263	Ca_Kabuli_Chr06	NC_021165.1	45896263	TT	GG	GG	INTERGENIC		
SNP_30162B_45896358	Ca_Kabuli_Chr06	NC_021165.1	45896358	GG	CC	CC	INTERGENIC		
SNP_30163B_45896661	Ca_Kabuli_Chr06	NC_021165.1	45896661	AA	GG	GG	INTERGENIC		
SNP_30165B_46029211	Ca_Kabuli_Chr06	NC_021165.1	46029211	AA	CC	CC	INTERGENIC		
SNP_30166B_46031825	Ca_Kabuli_Chr06	NC_021165.1	46031825	CC	AA	AA	INTERGENIC		
SNP_30167B_46031897	Ca_Kabuli_Chr06	NC_021165.1	46031897	GG	AA	AA	INTERGENIC		
SNP_30168B_46031941	Ca_Kabuli_Chr06	NC_021165.1	46031941	GG	AA	AA	INTERGENIC		
SNP_30169B_46035779	Ca_Kabuli_Chr06	NC_021165.1	46035779	AA	CC	CC	INTERGENIC		
SNP_30170B_46035883	Ca_Kabuli_Chr06	NC_021165.1	46035883	GG	AA	AA	INTERGENIC		
SNP_30171B_46036150	Ca_Kabuli_Chr06	NC_021165.1	46036150	GG	AA	AA	INTERGENIC		
SNP_30172B_46036175	Ca_Kabuli_Chr06	NC_021165.1	46036175	CC	TT	TT	INTERGENIC		
SNP_30173B_46080195	Ca_Kabuli_Chr06	NC_021165.1	46080195	AA	GG	GG	INTERGENIC		
SNP_30174B_46080197	Ca_Kabuli_Chr06	NC_021165.1	46080197	AA	CC	CC	INTERGENIC		
SNP_30175B_46082777	Ca_Kabuli_Chr06	NC_021165.1	46082777	CC	TT	TT	INTERGENIC		
SNP_30176B_46116863	Ca_Kabuli_Chr06	NC_021165.1	46116863	TT	CC	CC	INTERGENIC		
SNP_30177B_46116957	Ca_Kabuli_Chr06	NC_021165.1	46116957	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30178B_46117122	Ca_Kabuli_Chr06	NC_021165.1	46117122	AA	GG	GG	INTERGENIC		
SNP_30180B_46152445	Ca_Kabuli_Chr06	NC_021165.1	46152445	AA	TT	TT	INTERGENIC		
SNP_30181B_46163499	Ca_Kabuli_Chr06	NC_021165.1	46163499	AA	CC	CC	URR	101506554	leucine--tRNA ligase, cytoplasmic
SNP_30182B_46163512	Ca_Kabuli_Chr06	NC_021165.1	46163512	GG	CC	CC	URR	101506554	leucine--tRNA ligase, cytoplasmic
SNP_30183B_46164533	Ca_Kabuli_Chr06	NC_021165.1	46164533	GG	TT	TT	INTERGENIC		
SNP_30184B_46164775	Ca_Kabuli_Chr06	NC_021165.1	46164775	AA	CC	CC	INTERGENIC		
SNP_30185B_46164790	Ca_Kabuli_Chr06	NC_021165.1	46164790	GG	CC	CC	INTERGENIC		
SNP_30186B_46180766	Ca_Kabuli_Chr06	NC_021165.1	46180766	TT	CC	CC	INTERGENIC		
SNP_30187B_46181062	Ca_Kabuli_Chr06	NC_021165.1	46181062	CC	TT	TT	INTERGENIC		
SNP_30188B_46252523	Ca_Kabuli_Chr06	NC_021165.1	46252523	AA	TT	TT	INTERGENIC		
SNP_30189B_46330286	Ca_Kabuli_Chr06	NC_021165.1	46330286	AA	TT	TT	INTERGENIC		
SNP_30190B_46346636	Ca_Kabuli_Chr06	NC_021165.1	46346636	AA	GG	GG	INTERGENIC		
SNP_30191B_46346656	Ca_Kabuli_Chr06	NC_021165.1	46346656	CC	TT	TT	INTERGENIC		
SNP_30192B_46346689	Ca_Kabuli_Chr06	NC_021165.1	46346689	TT	CC	CC	INTERGENIC		
SNP_30193B_46346854	Ca_Kabuli_Chr06	NC_021165.1	46346854	TT	CC	CC	INTERGENIC		
SNP_30194B_46347018	Ca_Kabuli_Chr06	NC_021165.1	46347018	CC	TT	TT	INTERGENIC		
SNP_30195B_46351997	Ca_Kabuli_Chr06	NC_021165.1	46351997	AA	GG	GG	INTERGENIC		
SNP_30196B_46351999	Ca_Kabuli_Chr06	NC_021165.1	46351999	GG	AA	AA	INTERGENIC		
SNP_30197B_46352003	Ca_Kabuli_Chr06	NC_021165.1	46352003	AA	GG	GG	INTERGENIC		
SNP_30198B_46352212	Ca_Kabuli_Chr06	NC_021165.1	46352212	CC	AA	AA	INTERGENIC		
SNP_30199B_46354397	Ca_Kabuli_Chr06	NC_021165.1	46354397	AA	GG	GG	INTERGENIC		
SNP_30200B_46354850	Ca_Kabuli_Chr06	NC_021165.1	46354850	CC	GG	GG	INTERGENIC		
SNP_30201B_46354937	Ca_Kabuli_Chr06	NC_021165.1	46354937	TT	AA	AA	INTERGENIC		
SNP_30202B_46365987	Ca_Kabuli_Chr06	NC_021165.1	46365987	TT	CC	CC	DRR	101508485	uncharacterized LOC101508485

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30203B_46368078	Ca_Kabuli_Chr06	NC_021165.1	46368078	TT	CC	CC	NON_SYNONYMOUS_CODING	101508485	uncharacterized LOC101508485
SNP_30204B_46368873	Ca_Kabuli_Chr06	NC_021165.1	46368873	AA	GG	GG	NON_SYNONYMOUS_CODING	101508485	uncharacterized LOC101508485
SNP_30205B_46368965	Ca_Kabuli_Chr06	NC_021165.1	46368965	GG	AA	AA	SYNONYMOUS_CODING	101508485	uncharacterized LOC101508485
SNP_30206B_46369091	Ca_Kabuli_Chr06	NC_021165.1	46369091	GG	CC	CC	INTRON	101508485	uncharacterized LOC101508485
SNP_30207B_46369159	Ca_Kabuli_Chr06	NC_021165.1	46369159	GG	CC	CC	NON_SYNONYMOUS_CODING	101508485	uncharacterized LOC101508485
SNP_30208B_46369221	Ca_Kabuli_Chr06	NC_021165.1	46369221	AA	CC	CC	NON_SYNONYMOUS_CODING	101508485	uncharacterized LOC101508485
SNP_30209B_46369314	Ca_Kabuli_Chr06	NC_021165.1	46369314	TT	CC	CC	URR	101508485	uncharacterized LOC101508485
SNP_30210B_46369442	Ca_Kabuli_Chr06	NC_021165.1	46369442	AA	GG	GG	URR	101508485	uncharacterized LOC101508485
SNP_30211B_46369548	Ca_Kabuli_Chr06	NC_021165.1	46369548	TT	CC	CC	URR	101508485	uncharacterized LOC101508485
SNP_30212B_46369584	Ca_Kabuli_Chr06	NC_021165.1	46369584	AA	CC	CC	URR	101508485	uncharacterized LOC101508485
SNP_30213B_46369801	Ca_Kabuli_Chr06	NC_021165.1	46369801	AA	GG	GG	URR	101508485	uncharacterized LOC101508485
SNP_30214B_46385918	Ca_Kabuli_Chr06	NC_021165.1	46385918	AA	TT	TT	INTRON	101508794	uncharacterized LOC101508794
SNP_30215B_46385934	Ca_Kabuli_Chr06	NC_021165.1	46385934	GG	CC	CC	INTRON	101508794	uncharacterized LOC101508794
SNP_30216B_46385939	Ca_Kabuli_Chr06	NC_021165.1	46385939	GG	AA	AA	INTRON	101508794	uncharacterized LOC101508794
SNP_30217B_46388387	Ca_Kabuli_Chr06	NC_021165.1	46388387	GG	AA	AA	INTRON	101508794	uncharacterized LOC101508794
SNP_30218B_46388400	Ca_Kabuli_Chr06	NC_021165.1	46388400	TT	AA	AA	INTRON	101508794	uncharacterized LOC101508794
SNP_30219B_46388446	Ca_Kabuli_Chr06	NC_021165.1	46388446	AA	TT	TT	INTRON	101508794	uncharacterized LOC101508794
SNP_30220B_46388462	Ca_Kabuli_Chr06	NC_021165.1	46388462	AA	CC	CC	INTRON	101508794	uncharacterized LOC101508794
SNP_30221B_46388464	Ca_Kabuli_Chr06	NC_021165.1	46388464	GG	AA	AA	INTRON	101508794	uncharacterized LOC101508794
SNP_30222B_46388613	Ca_Kabuli_Chr06	NC_021165.1	46388613	CC	TT	TT	INTRON	101508794	uncharacterized LOC101508794
SNP_30223B_46390991	Ca_Kabuli_Chr06	NC_021165.1	46390991	AA	TT	TT	INTRON	101508794	uncharacterized LOC101508794
SNP_30224B_46391002	Ca_Kabuli_Chr06	NC_021165.1	46391002	TT	AA	AA	INTRON	101508794	uncharacterized LOC101508794
SNP_30225B_46391031	Ca_Kabuli_Chr06	NC_021165.1	46391031	TT	AA	AA	INTRON	101508794	uncharacterized LOC101508794
SNP_30226B_46391033	Ca_Kabuli_Chr06	NC_021165.1	46391033	GG	AA	AA	INTRON	101508794	uncharacterized LOC101508794

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30227B_46391073	Ca_Kabuli_Chr06	NC_021165.1	46391073	AA	CC	CC	INTRON	101508794	uncharacterized LOC101508794
SNP_30228B_46391202	Ca_Kabuli_Chr06	NC_021165.1	46391202	GG	TT	TT	INTRON	101508794	uncharacterized LOC101508794
SNP_30229B_46391222	Ca_Kabuli_Chr06	NC_021165.1	46391222	CC	TT	TT	INTRON	101508794	uncharacterized LOC101508794
SNP_30230B_46391249	Ca_Kabuli_Chr06	NC_021165.1	46391249	AA	TT	TT	INTRON	101508794	uncharacterized LOC101508794
SNP_30231B_46391259	Ca_Kabuli_Chr06	NC_021165.1	46391259	TT	AA	AA	INTRON	101508794	uncharacterized LOC101508794
SNP_30232B_46391359	Ca_Kabuli_Chr06	NC_021165.1	46391359	GG	AA	AA	NON_SYNONYMOUS_CODING	101508794	uncharacterized LOC101508794
SNP_30233B_46391361	Ca_Kabuli_Chr06	NC_021165.1	46391361	TT	CC	CC	SYNONYMOUS_CODING	101508794	uncharacterized LOC101508794
SNP_30234B_46391429	Ca_Kabuli_Chr06	NC_021165.1	46391429	AA	GG	GG	SYNONYMOUS_CODING	101508794	uncharacterized LOC101508794
SNP_30235B_46391435	Ca_Kabuli_Chr06	NC_021165.1	46391435	AA	TT	TT	NON_SYNONYMOUS_CODING	101508794	uncharacterized LOC101508794
SNP_30236B_46391436	Ca_Kabuli_Chr06	NC_021165.1	46391436	TT	CC	CC	SYNONYMOUS_CODING	101508794	uncharacterized LOC101508794
SNP_30237B_46391483	Ca_Kabuli_Chr06	NC_021165.1	46391483	TT	CC	CC	INTRON	101508794	uncharacterized LOC101508794
SNP_30238B_46391568	Ca_Kabuli_Chr06	NC_021165.1	46391568	AA	GG	GG	INTRON	101508794	uncharacterized LOC101508794
SNP_30239B_46391573	Ca_Kabuli_Chr06	NC_021165.1	46391573	TT	CC	CC	INTRON	101508794	uncharacterized LOC101508794
SNP_30240B_46391602	Ca_Kabuli_Chr06	NC_021165.1	46391602	AA	GG	GG	INTRON	101508794	uncharacterized LOC101508794
SNP_30241B_46391638	Ca_Kabuli_Chr06	NC_021165.1	46391638	TT	CC	CC	INTRON	101508794	uncharacterized LOC101508794
SNP_30242B_46391691	Ca_Kabuli_Chr06	NC_021165.1	46391691	GG	AA	AA	INTRON	101508794	uncharacterized LOC101508794
SNP_30243B_46391823	Ca_Kabuli_Chr06	NC_021165.1	46391823	CC	TT	TT	NON_SYNONYMOUS_CODING	101508794	uncharacterized LOC101508794
SNP_30244B_46391933	Ca_Kabuli_Chr06	NC_021165.1	46391933	TT	CC	CC	SYNONYMOUS_CODING	101508794	uncharacterized LOC101508794
SNP_30245B_46391943	Ca_Kabuli_Chr06	NC_021165.1	46391943	AA	GG	GG	NON_SYNONYMOUS_CODING	101508794	uncharacterized LOC101508794
SNP_30246B_46391960	Ca_Kabuli_Chr06	NC_021165.1	46391960	TT	AA	AA	SYNONYMOUS_CODING	101508794	uncharacterized LOC101508794
SNP_30247B_46391989	Ca_Kabuli_Chr06	NC_021165.1	46391989	TT	CC	CC	NON_SYNONYMOUS_CODING	101508794	uncharacterized LOC101508794
SNP_30248B_46399691	Ca_Kabuli_Chr06	NC_021165.1	46399691	TT	CC	CC	INTERGENIC		
SNP_30249B_46399701	Ca_Kabuli_Chr06	NC_021165.1	46399701	TT	CC	CC	INTERGENIC		
SNP_30250B_46399725	Ca_Kabuli_Chr06	NC_021165.1	46399725	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30251B_46399742	Ca_Kabuli_Chr06	NC_021165.1	46399742	TT	GG	GG	INTERGENIC		
SNP_30253B_46399871	Ca_Kabuli_Chr06	NC_021165.1	46399871	AA	GG	GG	INTERGENIC		
SNP_30254B_46399888	Ca_Kabuli_Chr06	NC_021165.1	46399888	TT	CC	CC	INTERGENIC		
SNP_30255B_46399925	Ca_Kabuli_Chr06	NC_021165.1	46399925	CC	TT	TT	INTERGENIC		
SNP_30256B_46399935	Ca_Kabuli_Chr06	NC_021165.1	46399935	GG	AA	AA	INTERGENIC		
SNP_30257B_46400113	Ca_Kabuli_Chr06	NC_021165.1	46400113	CC	TT	TT	INTERGENIC		
SNP_30258B_46400146	Ca_Kabuli_Chr06	NC_021165.1	46400146	AA	GG	GG	INTERGENIC		
SNP_30259B_46491803	Ca_Kabuli_Chr06	NC_021165.1	46491803	CC	TT	TT	INTERGENIC		
SNP_30260B_46504037	Ca_Kabuli_Chr06	NC_021165.1	46504037	GG	AA	AA	INTERGENIC		
SNP_30261B_46504038	Ca_Kabuli_Chr06	NC_021165.1	46504038	AA	GG	GG	INTERGENIC		
SNP_30262B_46508774	Ca_Kabuli_Chr06	NC_021165.1	46508774	CC	AA	AA	INTERGENIC		
SNP_30263B_46621153	Ca_Kabuli_Chr06	NC_021165.1	46621153	TT	CC	CC	INTERGENIC		
SNP_30264B_46621613	Ca_Kabuli_Chr06	NC_021165.1	46621613	TT	CC	CC	INTERGENIC		
SNP_30265B_46690086	Ca_Kabuli_Chr06	NC_021165.1	46690086	CC	TT	TT	INTERGENIC		
SNP_30266B_46690182	Ca_Kabuli_Chr06	NC_021165.1	46690182	AA	GG	GG	INTERGENIC		
SNP_30267B_46690258	Ca_Kabuli_Chr06	NC_021165.1	46690258	TT	GG	GG	INTERGENIC		
SNP_30268B_46690341	Ca_Kabuli_Chr06	NC_021165.1	46690341	GG	AA	AA	INTERGENIC		
SNP_30269B_46690353	Ca_Kabuli_Chr06	NC_021165.1	46690353	TT	CC	CC	INTERGENIC		
SNP_30270B_46690429	Ca_Kabuli_Chr06	NC_021165.1	46690429	TT	CC	CC	INTERGENIC		
SNP_30271B_46690432	Ca_Kabuli_Chr06	NC_021165.1	46690432	AA	GG	GG	INTERGENIC		
SNP_30272B_46690449	Ca_Kabuli_Chr06	NC_021165.1	46690449	AA	GG	GG	INTERGENIC		
SNP_30273B_46690498	Ca_Kabuli_Chr06	NC_021165.1	46690498	AA	GG	GG	INTERGENIC		
SNP_30274B_46690502	Ca_Kabuli_Chr06	NC_021165.1	46690502	TT	CC	CC	INTERGENIC		
SNP_30275B_46690580	Ca_Kabuli_Chr06	NC_021165.1	46690580	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30276B_46690583	Ca_Kabuli_Chr06	NC_021165.1	46690583	TT	CC	CC	INTERGENIC		
SNP_30277B_46772284	Ca_Kabuli_Chr06	NC_021165.1	46772284	GG	AA	AA	INTERGENIC		
SNP_30278B_46772325	Ca_Kabuli_Chr06	NC_021165.1	46772325	TT	GG	GG	INTERGENIC		
SNP_30279B_46772329	Ca_Kabuli_Chr06	NC_021165.1	46772329	CC	AA	AA	INTERGENIC		
SNP_30280B_46772333	Ca_Kabuli_Chr06	NC_021165.1	46772333	AA	GG	GG	INTERGENIC		
SNP_30281B_46772733	Ca_Kabuli_Chr06	NC_021165.1	46772733	TT	GG	GG	INTERGENIC		
SNP_30282B_46772917	Ca_Kabuli_Chr06	NC_021165.1	46772917	CC	TT	TT	INTERGENIC		
SNP_30284B_46789806	Ca_Kabuli_Chr06	NC_021165.1	46789806	CC	TT	TT	INTERGENIC		
SNP_30285B_46796715	Ca_Kabuli_Chr06	NC_021165.1	46796715	CC	AA	AA	INTERGENIC		
SNP_30286B_46797063	Ca_Kabuli_Chr06	NC_021165.1	46797063	TT	CC	CC	INTERGENIC		
SNP_30287B_46797078	Ca_Kabuli_Chr06	NC_021165.1	46797078	TT	CC	CC	INTERGENIC		
SNP_30288B_46848092	Ca_Kabuli_Chr06	NC_021165.1	46848092	CC	TT	TT	INTERGENIC		
SNP_30289B_46848093	Ca_Kabuli_Chr06	NC_021165.1	46848093	TT	CC	CC	INTERGENIC		
SNP_30290B_46896666	Ca_Kabuli_Chr06	NC_021165.1	46896666	TT	GG	GG	INTERGENIC		
SNP_30291B_46896889	Ca_Kabuli_Chr06	NC_021165.1	46896889	CC	TT	TT	INTERGENIC		
SNP_30292B_46896903	Ca_Kabuli_Chr06	NC_021165.1	46896903	CC	TT	TT	INTERGENIC		
SNP_30293B_46896934	Ca_Kabuli_Chr06	NC_021165.1	46896934	CC	GG	GG	INTERGENIC		
SNP_30294B_46897710	Ca_Kabuli_Chr06	NC_021165.1	46897710	AA	GG	GG	DRR	101499918	uncharacterized LOC101499918
SNP_30295B_46898828	Ca_Kabuli_Chr06	NC_021165.1	46898828	CC	TT	TT	INTERGENIC		
SNP_30296B_47001025	Ca_Kabuli_Chr06	NC_021165.1	47001025	GG	TT	TT	INTERGENIC		
SNP_30298B_47001105	Ca_Kabuli_Chr06	NC_021165.1	47001105	TT	CC	CC	INTERGENIC		
SNP_30299B_47001142	Ca_Kabuli_Chr06	NC_021165.1	47001142	GG	AA	AA	INTERGENIC		
SNP_30300B_47001167	Ca_Kabuli_Chr06	NC_021165.1	47001167	CC	GG	GG	INTERGENIC		
SNP_30301B_47130531	Ca_Kabuli_Chr06	NC_021165.1	47130531	TT	GG	GG	INTRON	101503235	vacuolar cation/proton exchanger 3-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30302B_47134887	Ca_Kabuli_Chr06	NC_021165.1	47134887	GG	AA	AA	INTRON	101503235	vacuolar cation/proton exchanger 3-like
SNP_30303B_47141301	Ca_Kabuli_Chr06	NC_021165.1	47141301	CC	TT	TT	INTRON	101503235	vacuolar cation/proton exchanger 3-like
SNP_30304B_47149066	Ca_Kabuli_Chr06	NC_021165.1	47149066	CC	AA	AA	INTRON	101503235	vacuolar cation/proton exchanger 3-like
SNP_30305B_47149070	Ca_Kabuli_Chr06	NC_021165.1	47149070	TT	CC	CC	INTRON	101503235	vacuolar cation/proton exchanger 3-like
SNP_30306B_47149086	Ca_Kabuli_Chr06	NC_021165.1	47149086	AA	GG	GG	INTRON	101503235	vacuolar cation/proton exchanger 3-like
SNP_30307B_47149096	Ca_Kabuli_Chr06	NC_021165.1	47149096	AA	CC	CC	INTRON	101503235	vacuolar cation/proton exchanger 3-like
SNP_30308B_47149099	Ca_Kabuli_Chr06	NC_021165.1	47149099	GG	CC	CC	INTRON	101503235	vacuolar cation/proton exchanger 3-like
SNP_30309B_47149161	Ca_Kabuli_Chr06	NC_021165.1	47149161	TT	CC	CC	INTRON	101503235	vacuolar cation/proton exchanger 3-like
SNP_30310B_47149205	Ca_Kabuli_Chr06	NC_021165.1	47149205	CC	AA	AA	INTRON	101503235	vacuolar cation/proton exchanger 3-like
SNP_30311B_47149208	Ca_Kabuli_Chr06	NC_021165.1	47149208	CC	TT	TT	INTRON	101503235	vacuolar cation/proton exchanger 3-like
SNP_30312B_47149224	Ca_Kabuli_Chr06	NC_021165.1	47149224	TT	CC	CC	INTRON	101503235	vacuolar cation/proton exchanger 3-like
SNP_30313B_47149237	Ca_Kabuli_Chr06	NC_021165.1	47149237	TT	AA	AA	INTRON	101503235	vacuolar cation/proton exchanger 3-like
SNP_30314B_47151270	Ca_Kabuli_Chr06	NC_021165.1	47151270	AA	CC	CC	INTRON	101503235	vacuolar cation/proton exchanger 3-like
SNP_30315B_47151284	Ca_Kabuli_Chr06	NC_021165.1	47151284	AA	GG	GG	INTRON	101503235	vacuolar cation/proton exchanger 3-like
SNP_30316B_47209648	Ca_Kabuli_Chr06	NC_021165.1	47209648	GG	CC	CC	URR	101512976	serine/threonine-protein phosphatase 7 long form homolog
SNP_30317B_47209713	Ca_Kabuli_Chr06	NC_021165.1	47209713	GG	TT	TT	URR	101512976	serine/threonine-protein phosphatase 7 long form homolog
SNP_30318B_47209986	Ca_Kabuli_Chr06	NC_021165.1	47209986	CC	TT	TT	URR	101513303	uncharacterized LOC101513303
SNP_30319B_47210005	Ca_Kabuli_Chr06	NC_021165.1	47210005	CC	TT	TT	URR	101513303	uncharacterized LOC101513303
SNP_30320B_47210028	Ca_Kabuli_Chr06	NC_021165.1	47210028	AA	GG	GG	URR	101513303	uncharacterized LOC101513303
SNP_30321B_47260201	Ca_Kabuli_Chr06	NC_021165.1	47260201	AA	GG	GG	INTRON	101513627	uncharacterized LOC101513627
SNP_30322B_47260222	Ca_Kabuli_Chr06	NC_021165.1	47260222	GG	AA	AA	NON_SYNONYMOUS_CODING	101513627	uncharacterized LOC101513627
SNP_30323B_47267699	Ca_Kabuli_Chr06	NC_021165.1	47267699	AA	GG	GG	INTERGENIC		
SNP_30324B_47268177	Ca_Kabuli_Chr06	NC_021165.1	47268177	TT	AA	AA	INTERGENIC		
SNP_30325B_47268179	Ca_Kabuli_Chr06	NC_021165.1	47268179	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30326B_47268216	Ca_Kabuli_Chr06	NC_021165.1	47268216	TT	GG	GG	INTERGENIC		
SNP_30327B_47290692	Ca_Kabuli_Chr06	NC_021165.1	47290692	GG	CC	CC	INTERGENIC		
SNP_30328B_47312017	Ca_Kabuli_Chr06	NC_021165.1	47312017	TT	CC	CC	INTERGENIC		
SNP_30329B_47312020	Ca_Kabuli_Chr06	NC_021165.1	47312020	AA	GG	GG	INTERGENIC		
SNP_30330B_47312050	Ca_Kabuli_Chr06	NC_021165.1	47312050	GG	AA	AA	INTERGENIC		
SNP_30331B_47312295	Ca_Kabuli_Chr06	NC_021165.1	47312295	TT	CC	CC	INTERGENIC		
SNP_30332B_47312562	Ca_Kabuli_Chr06	NC_021165.1	47312562	AA	GG	GG	INTERGENIC		
SNP_30333B_47312595	Ca_Kabuli_Chr06	NC_021165.1	47312595	CC	TT	TT	INTERGENIC		
SNP_30334B_47505180	Ca_Kabuli_Chr06	NC_021165.1	47505180	AA	GG	GG	INTERGENIC		
SNP_30335B_47616872	Ca_Kabuli_Chr06	NC_021165.1	47616872	AA	GG	GG	INTERGENIC		
SNP_30336B_47622022	Ca_Kabuli_Chr06	NC_021165.1	47622022	GG	AA	AA	INTERGENIC		
SNP_30337B_47622244	Ca_Kabuli_Chr06	NC_021165.1	47622244	CC	GG	GG	INTERGENIC		
SNP_30338B_47622264	Ca_Kabuli_Chr06	NC_021165.1	47622264	AA	GG	GG	INTERGENIC		
SNP_30339B_47622281	Ca_Kabuli_Chr06	NC_021165.1	47622281	AA	CC	CC	INTERGENIC		
SNP_30340B_47622282	Ca_Kabuli_Chr06	NC_021165.1	47622282	AA	GG	GG	INTERGENIC		
SNP_30341B_47654306	Ca_Kabuli_Chr06	NC_021165.1	47654306	GG	CC	CC	INTERGENIC		
SNP_30342B_47656383	Ca_Kabuli_Chr06	NC_021165.1	47656383	GG	AA	AA	INTERGENIC		
SNP_30343B_47656385	Ca_Kabuli_Chr06	NC_021165.1	47656385	TT	CC	CC	INTERGENIC		
SNP_30344B_47675497	Ca_Kabuli_Chr06	NC_021165.1	47675497	TT	AA	AA	INTERGENIC		
SNP_30345B_47675696	Ca_Kabuli_Chr06	NC_021165.1	47675696	TT	GG	GG	INTERGENIC		
SNP_30346B_47675737	Ca_Kabuli_Chr06	NC_021165.1	47675737	CC	TT	TT	INTERGENIC		
SNP_30347B_47697671	Ca_Kabuli_Chr06	NC_021165.1	47697671	GG	AA	AA	INTERGENIC		
SNP_30348B_47697851	Ca_Kabuli_Chr06	NC_021165.1	47697851	CC	GG	GG	INTERGENIC		
SNP_30349B_47697924	Ca_Kabuli_Chr06	NC_021165.1	47697924	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30350B_47698044	Ca_Kabuli_Chr06	NC_021165.1	47698044	GG	CC	CC	INTERGENIC		
SNP_30351B_47698052	Ca_Kabuli_Chr06	NC_021165.1	47698052	AA	GG	GG	INTERGENIC		
SNP_30352B_47699206	Ca_Kabuli_Chr06	NC_021165.1	47699206	AA	GG	GG	INTERGENIC		
SNP_30353B_47699252	Ca_Kabuli_Chr06	NC_021165.1	47699252	TT	CC	CC	INTERGENIC		
SNP_30354B_47699567	Ca_Kabuli_Chr06	NC_021165.1	47699567	TT	AA	AA	INTERGENIC		
SNP_30355B_47708590	Ca_Kabuli_Chr06	NC_021165.1	47708590	GG	CC	CC	INTERGENIC		
SNP_30356B_47708595	Ca_Kabuli_Chr06	NC_021165.1	47708595	CC	TT	TT	INTERGENIC		
SNP_30357B_47708596	Ca_Kabuli_Chr06	NC_021165.1	47708596	TT	GG	GG	INTERGENIC		
SNP_30358B_47716666	Ca_Kabuli_Chr06	NC_021165.1	47716666	TT	CC	CC	INTERGENIC		
SNP_30359B_47716746	Ca_Kabuli_Chr06	NC_021165.1	47716746	GG	AA	AA	INTERGENIC		
SNP_30360B_47716896	Ca_Kabuli_Chr06	NC_021165.1	47716896	CC	TT	TT	INTERGENIC		
SNP_30361B_47716911	Ca_Kabuli_Chr06	NC_021165.1	47716911	CC	TT	TT	INTERGENIC		
SNP_30362B_47716924	Ca_Kabuli_Chr06	NC_021165.1	47716924	CC	TT	TT	INTERGENIC		
SNP_30363B_47717039	Ca_Kabuli_Chr06	NC_021165.1	47717039	CC	GG	GG	INTERGENIC		
SNP_30364B_47717056	Ca_Kabuli_Chr06	NC_021165.1	47717056	TT	GG	GG	INTERGENIC		
SNP_30365B_47717190	Ca_Kabuli_Chr06	NC_021165.1	47717190	GG	AA	AA	INTERGENIC		
SNP_30366B_47723049	Ca_Kabuli_Chr06	NC_021165.1	47723049	CC	AA	AA	INTERGENIC		
SNP_30367B_47723050	Ca_Kabuli_Chr06	NC_021165.1	47723050	TT	CC	CC	INTERGENIC		
SNP_30368B_47723065	Ca_Kabuli_Chr06	NC_021165.1	47723065	AA	GG	GG	INTERGENIC		
SNP_30369B_47723077	Ca_Kabuli_Chr06	NC_021165.1	47723077	TT	AA	AA	INTERGENIC		
SNP_30370B_47723368	Ca_Kabuli_Chr06	NC_021165.1	47723368	TT	GG	GG	INTERGENIC		
SNP_30371B_47745853	Ca_Kabuli_Chr06	NC_021165.1	47745853	AA	GG	GG	INTERGENIC		
SNP_30372B_47745887	Ca_Kabuli_Chr06	NC_021165.1	47745887	CC	AA	AA	INTERGENIC		
SNP_30373B_47753623	Ca_Kabuli_Chr06	NC_021165.1	47753623	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30374B_47753658	Ca_Kabuli_Chr06	NC_021165.1	47753658	AA	GG	GG	INTERGENIC		
SNP_30375B_47753728	Ca_Kabuli_Chr06	NC_021165.1	47753728	TT	GG	GG	INTERGENIC		
SNP_30376B_47754029	Ca_Kabuli_Chr06	NC_021165.1	47754029	CC	TT	TT	INTERGENIC		
SNP_30377B_47758812	Ca_Kabuli_Chr06	NC_021165.1	47758812	AA	GG	GG	INTERGENIC		
SNP_30378B_47758837	Ca_Kabuli_Chr06	NC_021165.1	47758837	AA	GG	GG	INTERGENIC		
SNP_30379B_47758874	Ca_Kabuli_Chr06	NC_021165.1	47758874	AA	GG	GG	INTERGENIC		
SNP_30380B_47758925	Ca_Kabuli_Chr06	NC_021165.1	47758925	GG	AA	AA	INTERGENIC		
SNP_30381B_47761044	Ca_Kabuli_Chr06	NC_021165.1	47761044	CC	GG	GG	INTERGENIC		
SNP_30382B_47779022	Ca_Kabuli_Chr06	NC_021165.1	47779022	TT	CC	CC	INTERGENIC		
SNP_30383B_47779071	Ca_Kabuli_Chr06	NC_021165.1	47779071	GG	CC	CC	INTERGENIC		
SNP_30384B_47779082	Ca_Kabuli_Chr06	NC_021165.1	47779082	AA	CC	CC	INTERGENIC		
SNP_30385B_47779290	Ca_Kabuli_Chr06	NC_021165.1	47779290	CC	TT	TT	INTERGENIC		
SNP_30387B_47905387	Ca_Kabuli_Chr06	NC_021165.1	47905387	TT	AA	AA	INTERGENIC		
SNP_30388B_47906227	Ca_Kabuli_Chr06	NC_021165.1	47906227	AA	CC	CC	INTERGENIC		
SNP_30389B_47906243	Ca_Kabuli_Chr06	NC_021165.1	47906243	AA	CC	CC	INTERGENIC		
SNP_30391B_47906312	Ca_Kabuli_Chr06	NC_021165.1	47906312	TT	CC	CC	INTERGENIC		
SNP_30392B_47910514	Ca_Kabuli_Chr06	NC_021165.1	47910514	GG	AA	AA	INTERGENIC		
SNP_30393B_47910517	Ca_Kabuli_Chr06	NC_021165.1	47910517	CC	TT	TT	INTERGENIC		
SNP_30394B_47910557	Ca_Kabuli_Chr06	NC_021165.1	47910557	AA	GG	GG	INTERGENIC		
SNP_30395B_47910568	Ca_Kabuli_Chr06	NC_021165.1	47910568	GG	AA	AA	INTERGENIC		
SNP_30396B_47910631	Ca_Kabuli_Chr06	NC_021165.1	47910631	GG	TT	TT	INTERGENIC		
SNP_30397B_47946346	Ca_Kabuli_Chr06	NC_021165.1	47946346	GG	AA	AA	INTERGENIC		
SNP_30398B_47947792	Ca_Kabuli_Chr06	NC_021165.1	47947792	TT	CC	CC	INTERGENIC		
SNP_30399B_47947816	Ca_Kabuli_Chr06	NC_021165.1	47947816	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30400B_47947846	Ca_Kabuli_Chr06	NC_021165.1	47947846	TT	CC	CC	INTERGENIC		
SNP_30401B_47947852	Ca_Kabuli_Chr06	NC_021165.1	47947852	TT	CC	CC	INTERGENIC		
SNP_30402B_47947860	Ca_Kabuli_Chr06	NC_021165.1	47947860	TT	GG	GG	INTERGENIC		
SNP_30403B_47947866	Ca_Kabuli_Chr06	NC_021165.1	47947866	AA	GG	GG	INTERGENIC		
SNP_30404B_47947879	Ca_Kabuli_Chr06	NC_021165.1	47947879	CC	TT	TT	INTERGENIC		
SNP_30405B_47947942	Ca_Kabuli_Chr06	NC_021165.1	47947942	GG	AA	AA	INTERGENIC		
SNP_30406B_47947951	Ca_Kabuli_Chr06	NC_021165.1	47947951	TT	CC	CC	INTERGENIC		
SNP_30407B_47947954	Ca_Kabuli_Chr06	NC_021165.1	47947954	TT	GG	GG	INTERGENIC		
SNP_30408B_47947972	Ca_Kabuli_Chr06	NC_021165.1	47947972	CC	AA	AA	INTERGENIC		
SNP_30410B_48051447	Ca_Kabuli_Chr06	NC_021165.1	48051447	AA	GG	GG	INTERGENIC		
SNP_30411B_48051454	Ca_Kabuli_Chr06	NC_021165.1	48051454	CC	AA	AA	INTERGENIC		
SNP_30412B_48053960	Ca_Kabuli_Chr06	NC_021165.1	48053960	TT	GG	GG	DRR	101492245	Unknown function
SNP_30413B_48063809	Ca_Kabuli_Chr06	NC_021165.1	48063809	TT	CC	CC	INTERGENIC		
SNP_30414B_48064210	Ca_Kabuli_Chr06	NC_021165.1	48064210	TT	CC	CC	INTERGENIC		
SNP_30415B_48064237	Ca_Kabuli_Chr06	NC_021165.1	48064237	AA	GG	GG	INTERGENIC		
SNP_30416B_48064253	Ca_Kabuli_Chr06	NC_021165.1	48064253	TT	CC	CC	INTERGENIC		
SNP_30417B_48064604	Ca_Kabuli_Chr06	NC_021165.1	48064604	AA	GG	GG	INTERGENIC		
SNP_30419B_48247312	Ca_Kabuli_Chr06	NC_021165.1	48247312	TT	AA	AA	INTRON	101493451	queuine tRNA-ribosyltransferase-like
SNP_30420B_48247437	Ca_Kabuli_Chr06	NC_021165.1	48247437	GG	AA	AA	INTRON	101493451	queuine tRNA-ribosyltransferase-like
SNP_30421B_48253755	Ca_Kabuli_Chr06	NC_021165.1	48253755	CC	TT	TT	INTRON	101493451	queuine tRNA-ribosyltransferase-like
SNP_30422B_48253805	Ca_Kabuli_Chr06	NC_021165.1	48253805	GG	AA	AA	INTRON	101493451	queuine tRNA-ribosyltransferase-like
SNP_30423B_48253885	Ca_Kabuli_Chr06	NC_021165.1	48253885	CC	TT	TT	INTRON	101493451	queuine tRNA-ribosyltransferase-like
SNP_30424B_48253949	Ca_Kabuli_Chr06	NC_021165.1	48253949	GG	AA	AA	INTRON	101493451	queuine tRNA-ribosyltransferase-like
SNP_30425B_48253974	Ca_Kabuli_Chr06	NC_021165.1	48253974	GG	AA	AA	INTRON	101493451	queuine tRNA-ribosyltransferase-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30426B_48254099	Ca_Kabuli_Chr06	NC_021165.1	48254099	TT	CC	CC	INTRON	101493451	queuine tRNA-ribosyltransferase-like
SNP_30427B_48256788	Ca_Kabuli_Chr06	NC_021165.1	48256788	GG	AA	AA	INTRON	101493451	queuine tRNA-ribosyltransferase-like
SNP_30429B_48261153	Ca_Kabuli_Chr06	NC_021165.1	48261153	TT	GG	GG	INTERGENIC		
SNP_30430B_48262122	Ca_Kabuli_Chr06	NC_021165.1	48262122	TT	CC	CC	INTERGENIC		
SNP_30431B_48262333	Ca_Kabuli_Chr06	NC_021165.1	48262333	TT	CC	CC	INTERGENIC		
SNP_30432B_48262381	Ca_Kabuli_Chr06	NC_021165.1	48262381	AA	TT	TT	INTERGENIC		
SNP_30433B_48262643	Ca_Kabuli_Chr06	NC_021165.1	48262643	AA	CC	CC	INTERGENIC		
SNP_30434B_48266972	Ca_Kabuli_Chr06	NC_021165.1	48266972	AA	GG	GG	INTERGENIC		
SNP_30435B_48267213	Ca_Kabuli_Chr06	NC_021165.1	48267213	TT	CC	CC	INTERGENIC		
SNP_30436B_48269409	Ca_Kabuli_Chr06	NC_021165.1	48269409	TT	AA	AA	INTERGENIC		
SNP_30437B_48269483	Ca_Kabuli_Chr06	NC_021165.1	48269483	AA	TT	TT	INTERGENIC		
SNP_30438B_48269706	Ca_Kabuli_Chr06	NC_021165.1	48269706	TT	CC	CC	INTERGENIC		
SNP_30439B_48270262	Ca_Kabuli_Chr06	NC_021165.1	48270262	CC	TT	TT	INTERGENIC		
SNP_30440B_48270267	Ca_Kabuli_Chr06	NC_021165.1	48270267	GG	AA	AA	INTERGENIC		
SNP_30441B_48270752	Ca_Kabuli_Chr06	NC_021165.1	48270752	AA	TT	TT	INTERGENIC		
SNP_30442B_48270772	Ca_Kabuli_Chr06	NC_021165.1	48270772	AA	GG	GG	INTERGENIC		
SNP_30443B_48270807	Ca_Kabuli_Chr06	NC_021165.1	48270807	CC	TT	TT	INTERGENIC		
SNP_30444B_48270839	Ca_Kabuli_Chr06	NC_021165.1	48270839	AA	CC	CC	INTERGENIC		
SNP_30445B_48270866	Ca_Kabuli_Chr06	NC_021165.1	48270866	AA	GG	GG	INTERGENIC		
SNP_30446B_48270905	Ca_Kabuli_Chr06	NC_021165.1	48270905	GG	AA	AA	INTERGENIC		
SNP_30447B_48270940	Ca_Kabuli_Chr06	NC_021165.1	48270940	GG	TT	TT	INTERGENIC		
SNP_30448B_48270965	Ca_Kabuli_Chr06	NC_021165.1	48270965	AA	GG	GG	INTERGENIC		
SNP_30449B_48270973	Ca_Kabuli_Chr06	NC_021165.1	48270973	GG	AA	AA	INTERGENIC		
SNP_30450B_48270977	Ca_Kabuli_Chr06	NC_021165.1	48270977	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30451B_48271058	Ca_Kabuli_Chr06	NC_021165.1	48271058	TT	CC	CC	INTERGENIC		
SNP_30452B_48271177	Ca_Kabuli_Chr06	NC_021165.1	48271177	CC	TT	TT	INTERGENIC		
SNP_30453B_48271205	Ca_Kabuli_Chr06	NC_021165.1	48271205	TT	CC	CC	DRR	101493773	queuine tRNA-ribosyltransferase-like
SNP_30454B_48271522	Ca_Kabuli_Chr06	NC_021165.1	48271522	CC	TT	TT	DRR	101493773	queuine tRNA-ribosyltransferase-like
SNP_30455B_48271548	Ca_Kabuli_Chr06	NC_021165.1	48271548	GG	AA	AA	DRR	101493773	queuine tRNA-ribosyltransferase-like
SNP_30456B_48271562	Ca_Kabuli_Chr06	NC_021165.1	48271562	GG	AA	AA	DRR	101493773	queuine tRNA-ribosyltransferase-like
SNP_30457B_48276516	Ca_Kabuli_Chr06	NC_021165.1	48276516	AA	CC	CC	INTRON	101493773	queuine tRNA-ribosyltransferase-like
SNP_30458B_48276591	Ca_Kabuli_Chr06	NC_021165.1	48276591	TT	CC	CC	INTRON	101493773	queuine tRNA-ribosyltransferase-like
SNP_30459B_48277726	Ca_Kabuli_Chr06	NC_021165.1	48277726	GG	CC	CC	URR	101493773	queuine tRNA-ribosyltransferase-like
SNP_30460B_48277780	Ca_Kabuli_Chr06	NC_021165.1	48277780	AA	TT	TT	URR	101493773	queuine tRNA-ribosyltransferase-like
SNP_30461B_48278999	Ca_Kabuli_Chr06	NC_021165.1	48278999	AA	CC	CC	URR	101493773	queuine tRNA-ribosyltransferase-like
SNP_30462B_48279066	Ca_Kabuli_Chr06	NC_021165.1	48279066	CC	GG	GG	URR	101493773	queuine tRNA-ribosyltransferase-like
SNP_30463B_48279068	Ca_Kabuli_Chr06	NC_021165.1	48279068	GG	TT	TT	URR	101493773	queuine tRNA-ribosyltransferase-like
SNP_30464B_48279072	Ca_Kabuli_Chr06	NC_021165.1	48279072	TT	AA	AA	URR	101493773	queuine tRNA-ribosyltransferase-like
SNP_30465B_48279076	Ca_Kabuli_Chr06	NC_021165.1	48279076	TT	CC	CC	URR	101493773	queuine tRNA-ribosyltransferase-like
SNP_30466B_48279231	Ca_Kabuli_Chr06	NC_021165.1	48279231	TT	CC	CC	URR	101493773	queuine tRNA-ribosyltransferase-like
SNP_30467B_48279240	Ca_Kabuli_Chr06	NC_021165.1	48279240	GG	TT	TT	URR	101493773	queuine tRNA-ribosyltransferase-like
SNP_30468B_48279263	Ca_Kabuli_Chr06	NC_021165.1	48279263	CC	GG	GG	URR	101493773	queuine tRNA-ribosyltransferase-like
SNP_30469B_48279275	Ca_Kabuli_Chr06	NC_021165.1	48279275	TT	CC	CC	URR	101493773	queuine tRNA-ribosyltransferase-like
SNP_30470B_48279283	Ca_Kabuli_Chr06	NC_021165.1	48279283	CC	TT	TT	URR	101493773	queuine tRNA-ribosyltransferase-like
SNP_30471B_48279331	Ca_Kabuli_Chr06	NC_021165.1	48279331	TT	GG	GG	URR	101493773	queuine tRNA-ribosyltransferase-like
SNP_30472B_48279337	Ca_Kabuli_Chr06	NC_021165.1	48279337	TT	AA	AA	URR	101493773	queuine tRNA-ribosyltransferase-like
SNP_30473B_48279381	Ca_Kabuli_Chr06	NC_021165.1	48279381	AA	CC	CC	URR	101493773	queuine tRNA-ribosyltransferase-like
SNP_30475B_48279493	Ca_Kabuli_Chr06	NC_021165.1	48279493	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30476B_48279555	Ca_Kabuli_Chr06	NC_021165.1	48279555	CC	TT	TT	INTERGENIC		
SNP_30478B_48279794	Ca_Kabuli_Chr06	NC_021165.1	48279794	TT	CC	CC	INTERGENIC		
SNP_30479B_48279888	Ca_Kabuli_Chr06	NC_021165.1	48279888	GG	CC	CC	INTERGENIC		
SNP_30480B_48279935	Ca_Kabuli_Chr06	NC_021165.1	48279935	AA	GG	GG	INTERGENIC		
SNP_30481B_48279981	Ca_Kabuli_Chr06	NC_021165.1	48279981	GG	AA	AA	INTERGENIC		
SNP_30482B_48279983	Ca_Kabuli_Chr06	NC_021165.1	48279983	GG	AA	AA	INTERGENIC		
SNP_30483B_48280047	Ca_Kabuli_Chr06	NC_021165.1	48280047	TT	AA	AA	INTERGENIC		
SNP_30484B_48280053	Ca_Kabuli_Chr06	NC_021165.1	48280053	AA	TT	TT	INTERGENIC		
SNP_30486B_48280117	Ca_Kabuli_Chr06	NC_021165.1	48280117	CC	GG	GG	INTERGENIC		
SNP_30487B_48280165	Ca_Kabuli_Chr06	NC_021165.1	48280165	TT	CC	CC	INTERGENIC		
SNP_30488B_48280182	Ca_Kabuli_Chr06	NC_021165.1	48280182	CC	AA	AA	INTERGENIC		
SNP_30490B_48280249	Ca_Kabuli_Chr06	NC_021165.1	48280249	CC	TT	TT	INTERGENIC		
SNP_30492B_48280329	Ca_Kabuli_Chr06	NC_021165.1	48280329	GG	AA	AA	INTERGENIC		
SNP_30493B_48280362	Ca_Kabuli_Chr06	NC_021165.1	48280362	GG	AA	AA	INTERGENIC		
SNP_30494B_48280368	Ca_Kabuli_Chr06	NC_021165.1	48280368	TT	CC	CC	INTERGENIC		
SNP_30495B_48280373	Ca_Kabuli_Chr06	NC_021165.1	48280373	AA	CC	CC	INTERGENIC		
SNP_30496B_48280417	Ca_Kabuli_Chr06	NC_021165.1	48280417	AA	GG	GG	INTERGENIC		
SNP_30497B_48280424	Ca_Kabuli_Chr06	NC_021165.1	48280424	GG	AA	AA	INTERGENIC		
SNP_30498B_48280445	Ca_Kabuli_Chr06	NC_021165.1	48280445	AA	GG	GG	INTERGENIC		
SNP_30499B_48280500	Ca_Kabuli_Chr06	NC_021165.1	48280500	GG	AA	AA	INTERGENIC		
SNP_30501B_48280595	Ca_Kabuli_Chr06	NC_021165.1	48280595	AA	GG	GG	INTERGENIC		
SNP_30502B_48280597	Ca_Kabuli_Chr06	NC_021165.1	48280597	AA	CC	CC	INTERGENIC		
SNP_30503B_48280612	Ca_Kabuli_Chr06	NC_021165.1	48280612	AA	GG	GG	INTERGENIC		
SNP_30504B_48280622	Ca_Kabuli_Chr06	NC_021165.1	48280622	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30505B_48280713	Ca_Kabuli_Chr06	NC_021165.1	48280713	AA	TT	TT	INTERGENIC		
SNP_30506B_48280762	Ca_Kabuli_Chr06	NC_021165.1	48280762	AA	TT	TT	INTERGENIC		
SNP_30508B_48280837	Ca_Kabuli_Chr06	NC_021165.1	48280837	AA	CC	CC	INTERGENIC		
SNP_30509B_48281097	Ca_Kabuli_Chr06	NC_021165.1	48281097	AA	GG	GG	INTERGENIC		
SNP_30510B_48281161	Ca_Kabuli_Chr06	NC_021165.1	48281161	CC	TT	TT	INTERGENIC		
SNP_30511B_48281321	Ca_Kabuli_Chr06	NC_021165.1	48281321	GG	AA	AA	INTERGENIC		
SNP_30512B_48281357	Ca_Kabuli_Chr06	NC_021165.1	48281357	TT	CC	CC	INTERGENIC		
SNP_30513B_48281360	Ca_Kabuli_Chr06	NC_021165.1	48281360	TT	AA	AA	INTERGENIC		
SNP_30514B_48281410	Ca_Kabuli_Chr06	NC_021165.1	48281410	CC	AA	AA	INTERGENIC		
SNP_30515B_48281445	Ca_Kabuli_Chr06	NC_021165.1	48281445	TT	GG	GG	INTERGENIC		
SNP_30516B_48281508	Ca_Kabuli_Chr06	NC_021165.1	48281508	AA	GG	GG	INTERGENIC		
SNP_30518B_48281665	Ca_Kabuli_Chr06	NC_021165.1	48281665	GG	CC	CC	INTERGENIC		
SNP_30519B_48281668	Ca_Kabuli_Chr06	NC_021165.1	48281668	CC	AA	AA	INTERGENIC		
SNP_30520B_48281688	Ca_Kabuli_Chr06	NC_021165.1	48281688	TT	CC	CC	INTERGENIC		
SNP_30521B_48281822	Ca_Kabuli_Chr06	NC_021165.1	48281822	TT	CC	CC	INTERGENIC		
SNP_30522B_48281893	Ca_Kabuli_Chr06	NC_021165.1	48281893	GG	AA	AA	INTERGENIC		
SNP_30523B_48281894	Ca_Kabuli_Chr06	NC_021165.1	48281894	AA	GG	GG	INTERGENIC		
SNP_30524B_48281911	Ca_Kabuli_Chr06	NC_021165.1	48281911	GG	CC	CC	INTERGENIC		
SNP_30525B_48281932	Ca_Kabuli_Chr06	NC_021165.1	48281932	TT	GG	GG	INTERGENIC		
SNP_30526B_48281951	Ca_Kabuli_Chr06	NC_021165.1	48281951	AA	GG	GG	INTERGENIC		
SNP_30527B_48281960	Ca_Kabuli_Chr06	NC_021165.1	48281960	CC	TT	TT	INTERGENIC		
SNP_30528B_48281964	Ca_Kabuli_Chr06	NC_021165.1	48281964	GG	AA	AA	INTERGENIC		
SNP_30529B_48282068	Ca_Kabuli_Chr06	NC_021165.1	48282068	TT	AA	AA	INTERGENIC		
SNP_30530B_48303251	Ca_Kabuli_Chr06	NC_021165.1	48303251	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30531B_48311730	Ca_Kabuli_Chr06	NC_021165.1	48311730	CC	TT	TT	DRR	101496791	Unknown function
SNP_30532B_48361917	Ca_Kabuli_Chr06	NC_021165.1	48361917	AA	GG	GG	INTERGENIC		
SNP_30534B_48710281	Ca_Kabuli_Chr06	NC_021165.1	48710281	TT	CC	CC	INTERGENIC		
SNP_30535B_48710296	Ca_Kabuli_Chr06	NC_021165.1	48710296	TT	CC	CC	INTERGENIC		
SNP_30536B_48710318	Ca_Kabuli_Chr06	NC_021165.1	48710318	AA	GG	GG	INTERGENIC		
SNP_30537B_48710408	Ca_Kabuli_Chr06	NC_021165.1	48710408	CC	TT	TT	INTERGENIC		
SNP_30539B_48710846	Ca_Kabuli_Chr06	NC_021165.1	48710846	AA	GG	GG	INTERGENIC		
SNP_30540B_48710854	Ca_Kabuli_Chr06	NC_021165.1	48710854	AA	GG	GG	INTERGENIC		
SNP_30541B_48710886	Ca_Kabuli_Chr06	NC_021165.1	48710886	AA	GG	GG	INTERGENIC		
SNP_30543B_48710935	Ca_Kabuli_Chr06	NC_021165.1	48710935	CC	TT	TT	INTERGENIC		
SNP_30544B_48788552	Ca_Kabuli_Chr06	NC_021165.1	48788552	GG	AA	AA	INTERGENIC		
SNP_30545B_48788638	Ca_Kabuli_Chr06	NC_021165.1	48788638	AA	GG	GG	INTERGENIC		
SNP_30546B_48788645	Ca_Kabuli_Chr06	NC_021165.1	48788645	GG	AA	AA	INTERGENIC		
SNP_30548B_48792402	Ca_Kabuli_Chr06	NC_021165.1	48792402	TT	CC	CC	INTERGENIC		
SNP_30549B_48793058	Ca_Kabuli_Chr06	NC_021165.1	48793058	AA	TT	TT	INTERGENIC		
SNP_30550B_48793584	Ca_Kabuli_Chr06	NC_021165.1	48793584	GG	TT	TT	INTERGENIC		
SNP_30552B_49018419	Ca_Kabuli_Chr06	NC_021165.1	49018419	CC	TT	TT	SYNONYMOUS_CODING	101507847	uncharacterized LOC101507847
SNP_30553B_49018444	Ca_Kabuli_Chr06	NC_021165.1	49018444	AA	GG	GG	NON_SYNONYMOUS_CODING	101507847	uncharacterized LOC101507847
SNP_30554B_49018454	Ca_Kabuli_Chr06	NC_021165.1	49018454	GG	AA	AA	STOP_GAINED	101507847	uncharacterized LOC101507847
SNP_30555B_49018457	Ca_Kabuli_Chr06	NC_021165.1	49018457	AA	CC	CC	NON_SYNONYMOUS_CODING	101507847	uncharacterized LOC101507847
SNP_30556B_49022777	Ca_Kabuli_Chr06	NC_021165.1	49022777	AA	TT	TT	INTRON	101507847	uncharacterized LOC101507847
SNP_30557B_49058653	Ca_Kabuli_Chr06	NC_021165.1	49058653	AA	GG	GG	INTERGENIC		
SNP_30558B_49058655	Ca_Kabuli_Chr06	NC_021165.1	49058655	TT	CC	CC	INTERGENIC		
SNP_30559B_49218873	Ca_Kabuli_Chr06	NC_021165.1	49218873	CC	GG	GG	NON_SYNONYMOUS_CODING	id149053	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30560B_49218874	Ca_Kabuli_Chr06	NC_021165.1	49218874	AA	TT	TT	NON_SYNONYMOUS_CODING	id149053	Unknown function
SNP_30562B_49218951	Ca_Kabuli_Chr06	NC_021165.1	49218951	TT	AA	AA	NON_SYNONYMOUS_CODING	id149053	Unknown function
SNP_30563B_49219126	Ca_Kabuli_Chr06	NC_021165.1	49219126	GG	AA	AA	STOP_GAINED	id149053	Unknown function
SNP_30564B_49219423	Ca_Kabuli_Chr06	NC_021165.1	49219423	AA	CC	CC	URR	101504406	uncharacterized LOC101504406
SNP_30565B_49219430	Ca_Kabuli_Chr06	NC_021165.1	49219430	AA	CC	CC	URR	101504406	uncharacterized LOC101504406
SNP_30566B_49219557	Ca_Kabuli_Chr06	NC_021165.1	49219557	GG	AA	AA	URR	101504406	uncharacterized LOC101504406
SNP_30567B_49221067	Ca_Kabuli_Chr06	NC_021165.1	49221067	AA	GG	GG	URR	101504406	uncharacterized LOC101504406
SNP_30568B_49221075	Ca_Kabuli_Chr06	NC_021165.1	49221075	CC	TT	TT	URR	101504406	uncharacterized LOC101504406
SNP_30569B_49221814	Ca_Kabuli_Chr06	NC_021165.1	49221814	TT	CC	CC	INTERGENIC		
SNP_30570B_49222089	Ca_Kabuli_Chr06	NC_021165.1	49222089	AA	TT	TT	INTERGENIC		
SNP_30571B_49222153	Ca_Kabuli_Chr06	NC_021165.1	49222153	CC	TT	TT	INTERGENIC		
SNP_30573B_49261949	Ca_Kabuli_Chr06	NC_021165.1	49261949	AA	GG	GG	INTERGENIC		
SNP_30574B_49262223	Ca_Kabuli_Chr06	NC_021165.1	49262223	TT	CC	CC	INTERGENIC		
SNP_30575B_49262267	Ca_Kabuli_Chr06	NC_021165.1	49262267	TT	CC	CC	INTERGENIC		
SNP_30576B_49263267	Ca_Kabuli_Chr06	NC_021165.1	49263267	GG	AA	AA	INTERGENIC		
SNP_30577B_49263344	Ca_Kabuli_Chr06	NC_021165.1	49263344	CC	AA	AA	INTERGENIC		
SNP_30578B_49267051	Ca_Kabuli_Chr06	NC_021165.1	49267051	CC	TT	TT	INTERGENIC		
SNP_30579B_49267123	Ca_Kabuli_Chr06	NC_021165.1	49267123	TT	GG	GG	INTERGENIC		
SNP_30580B_49318702	Ca_Kabuli_Chr06	NC_021165.1	49318702	GG	AA	AA	INTERGENIC		
SNP_30581B_49319204	Ca_Kabuli_Chr06	NC_021165.1	49319204	CC	TT	TT	INTERGENIC		
SNP_30582B_49319205	Ca_Kabuli_Chr06	NC_021165.1	49319205	CC	TT	TT	INTERGENIC		
SNP_30583B_49324511	Ca_Kabuli_Chr06	NC_021165.1	49324511	GG	AA	AA	INTERGENIC		
SNP_30584B_49377275	Ca_Kabuli_Chr06	NC_021165.1	49377275	GG	AA	AA	DRR	101509439	F-box/LRR-repeat protein 3
SNP_30585B_49438326	Ca_Kabuli_Chr06	NC_021165.1	49438326	AA	GG	GG	INTRON	101510086	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30586B_49438381	Ca_Kabuli_Chr06	NC_021165.1	49438381	AA	GG	GG	INTRON	101510086	Unknown function
SNP_30587B_49567833	Ca_Kabuli_Chr06	NC_021165.1	49567833	AA	GG	GG	URR	101514821	60S ribosomal protein L37-3
SNP_30589B_49628921	Ca_Kabuli_Chr06	NC_021165.1	49628921	TT	CC	CC	INTERGENIC		
SNP_30590B_49629674	Ca_Kabuli_Chr06	NC_021165.1	49629674	AA	GG	GG	INTERGENIC		
SNP_30591B_49629991	Ca_Kabuli_Chr06	NC_021165.1	49629991	AA	GG	GG	URR	101511368	Unknown function
SNP_30592B_49707175	Ca_Kabuli_Chr06	NC_021165.1	49707175	GG	AA	AA	INTERGENIC		
SNP_30594B_49727380	Ca_Kabuli_Chr06	NC_021165.1	49727380	TT	GG	GG	INTERGENIC		
SNP_30595B_49727392	Ca_Kabuli_Chr06	NC_021165.1	49727392	TT	AA	AA	INTERGENIC		
SNP_30596B_49727397	Ca_Kabuli_Chr06	NC_021165.1	49727397	GG	AA	AA	INTERGENIC		
SNP_30597B_49727412	Ca_Kabuli_Chr06	NC_021165.1	49727412	GG	AA	AA	INTERGENIC		
SNP_30598B_49727427	Ca_Kabuli_Chr06	NC_021165.1	49727427	AA	GG	GG	INTERGENIC		
SNP_30599B_49727442	Ca_Kabuli_Chr06	NC_021165.1	49727442	TT	CC	CC	INTERGENIC		
SNP_30600B_49727444	Ca_Kabuli_Chr06	NC_021165.1	49727444	TT	AA	AA	INTERGENIC		
SNP_30601B_49727445	Ca_Kabuli_Chr06	NC_021165.1	49727445	AA	TT	TT	INTERGENIC		
SNP_30602B_49727448	Ca_Kabuli_Chr06	NC_021165.1	49727448	AA	GG	GG	INTERGENIC		
SNP_30603B_49727452	Ca_Kabuli_Chr06	NC_021165.1	49727452	TT	CC	CC	INTERGENIC		
SNP_30604B_49727460	Ca_Kabuli_Chr06	NC_021165.1	49727460	AA	CC	CC	INTERGENIC		
SNP_30605B_49727857	Ca_Kabuli_Chr06	NC_021165.1	49727857	CC	AA	AA	INTERGENIC		
SNP_30606B_49727913	Ca_Kabuli_Chr06	NC_021165.1	49727913	GG	TT	TT	INTERGENIC		
SNP_30607B_49727920	Ca_Kabuli_Chr06	NC_021165.1	49727920	AA	TT	TT	INTERGENIC		
SNP_30608B_49727922	Ca_Kabuli_Chr06	NC_021165.1	49727922	GG	CC	CC	INTERGENIC		
SNP_30609B_49727928	Ca_Kabuli_Chr06	NC_021165.1	49727928	AA	GG	GG	INTERGENIC		
SNP_30610B_49727950	Ca_Kabuli_Chr06	NC_021165.1	49727950	TT	CC	CC	INTERGENIC		
SNP_30611B_49727962	Ca_Kabuli_Chr06	NC_021165.1	49727962	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30612B_49727963	Ca_Kabuli_Chr06	NC_021165.1	49727963	GG	TT	TT	INTERGENIC		
SNP_30613B_49727968	Ca_Kabuli_Chr06	NC_021165.1	49727968	AA	GG	GG	INTERGENIC		
SNP_30614B_49727979	Ca_Kabuli_Chr06	NC_021165.1	49727979	TT	GG	GG	INTERGENIC		
SNP_30615B_49728150	Ca_Kabuli_Chr06	NC_021165.1	49728150	AA	GG	GG	INTERGENIC		
SNP_30616B_49728480	Ca_Kabuli_Chr06	NC_021165.1	49728480	CC	TT	TT	INTERGENIC		
SNP_30617B_49728496	Ca_Kabuli_Chr06	NC_021165.1	49728496	GG	AA	AA	INTERGENIC		
SNP_30618B_49728764	Ca_Kabuli_Chr06	NC_021165.1	49728764	TT	AA	AA	INTERGENIC		
SNP_30619B_49728765	Ca_Kabuli_Chr06	NC_021165.1	49728765	TT	CC	CC	INTERGENIC		
SNP_30620B_49728777	Ca_Kabuli_Chr06	NC_021165.1	49728777	GG	CC	CC	INTERGENIC		
SNP_30623B_49806057	Ca_Kabuli_Chr06	NC_021165.1	49806057	AA	GG	GG	INTERGENIC		
SNP_30624B_49806063	Ca_Kabuli_Chr06	NC_021165.1	49806063	TT	CC	CC	INTERGENIC		
SNP_30625B_49806425	Ca_Kabuli_Chr06	NC_021165.1	49806425	AA	GG	GG	INTERGENIC		
SNP_30626B_49934172	Ca_Kabuli_Chr06	NC_021165.1	49934172	CC	GG	GG	INTRON	101492792	coatomer subunit beta'-2
SNP_30627B_50153419	Ca_Kabuli_Chr06	NC_021165.1	50153419	GG	AA	AA	INTRON	101489332	uncharacterized LOC101489332
SNP_30628B_50157468	Ca_Kabuli_Chr06	NC_021165.1	50157468	CC	TT	TT	DRR	101495159	DEAD-box ATP-dependent RNA helicase 52C-like
SNP_30629B_50162493	Ca_Kabuli_Chr06	NC_021165.1	50162493	TT	AA	AA	INTERGENIC		
SNP_30630B_50162804	Ca_Kabuli_Chr06	NC_021165.1	50162804	AA	TT	TT	INTERGENIC		
SNP_30631B_50162918	Ca_Kabuli_Chr06	NC_021165.1	50162918	CC	TT	TT	INTERGENIC		
SNP_30632B_50162981	Ca_Kabuli_Chr06	NC_021165.1	50162981	TT	CC	CC	INTERGENIC		
SNP_30633B_50163016	Ca_Kabuli_Chr06	NC_021165.1	50163016	CC	TT	AA	INTERGENIC		
SNP_30634B_50185195	Ca_Kabuli_Chr06	NC_021165.1	50185195	AA	GG	GG	INTERGENIC		
SNP_30635B_50185198	Ca_Kabuli_Chr06	NC_021165.1	50185198	TT	GG	GG	INTERGENIC		
SNP_30636B_50185229	Ca_Kabuli_Chr06	NC_021165.1	50185229	AA	TT	TT	INTERGENIC		
SNP_30637B_50215307	Ca_Kabuli_Chr06	NC_021165.1	50215307	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30638B_50296363	Ca_Kabuli_Chr06	NC_021165.1	50296363	CC	AA	AA	INTERGENIC		
SNP_30639B_50296387	Ca_Kabuli_Chr06	NC_021165.1	50296387	GG	AA	AA	INTERGENIC		
SNP_30640B_50301286	Ca_Kabuli_Chr06	NC_021165.1	50301286	AA	GG	GG	INTERGENIC		
SNP_30641B_50301302	Ca_Kabuli_Chr06	NC_021165.1	50301302	TT	CC	CC	INTERGENIC		
SNP_30642B_50681175	Ca_Kabuli_Chr06	NC_021165.1	50681175	AA	TT	TT	INTERGENIC		
SNP_30643B_50796792	Ca_Kabuli_Chr06	NC_021165.1	50796792	TT	CC	CC	INTERGENIC		
SNP_30644B_50796797	Ca_Kabuli_Chr06	NC_021165.1	50796797	AA	GG	GG	INTERGENIC		
SNP_30645B_50796818	Ca_Kabuli_Chr06	NC_021165.1	50796818	TT	CC	CC	INTERGENIC		
SNP_30646B_50796833	Ca_Kabuli_Chr06	NC_021165.1	50796833	CC	TT	TT	INTERGENIC		
SNP_30647B_50796883	Ca_Kabuli_Chr06	NC_021165.1	50796883	TT	CC	CC	INTERGENIC		
SNP_30648B_50797048	Ca_Kabuli_Chr06	NC_021165.1	50797048	AA	GG	GG	INTERGENIC		
SNP_30649B_50797051	Ca_Kabuli_Chr06	NC_021165.1	50797051	TT	GG	GG	INTERGENIC		
SNP_30650B_50797117	Ca_Kabuli_Chr06	NC_021165.1	50797117	CC	TT	TT	INTERGENIC		
SNP_30651B_50797170	Ca_Kabuli_Chr06	NC_021165.1	50797170	CC	TT	TT	INTERGENIC		
SNP_30652B_50797176	Ca_Kabuli_Chr06	NC_021165.1	50797176	TT	CC	CC	INTERGENIC		
SNP_30653B_50797191	Ca_Kabuli_Chr06	NC_021165.1	50797191	TT	GG	GG	INTERGENIC		
SNP_30654B_50797326	Ca_Kabuli_Chr06	NC_021165.1	50797326	GG	AA	AA	INTERGENIC		
SNP_30655B_50797365	Ca_Kabuli_Chr06	NC_021165.1	50797365	AA	GG	GG	INTERGENIC		
SNP_30656B_50797480	Ca_Kabuli_Chr06	NC_021165.1	50797480	GG	AA	AA	INTERGENIC		
SNP_30657B_50797481	Ca_Kabuli_Chr06	NC_021165.1	50797481	GG	AA	AA	INTERGENIC		
SNP_30658B_50797504	Ca_Kabuli_Chr06	NC_021165.1	50797504	TT	AA	AA	INTERGENIC		
SNP_30659B_50797525	Ca_Kabuli_Chr06	NC_021165.1	50797525	GG	AA	AA	INTERGENIC		
SNP_30660B_50797531	Ca_Kabuli_Chr06	NC_021165.1	50797531	CC	GG	GG	INTERGENIC		
SNP_30661B_50797536	Ca_Kabuli_Chr06	NC_021165.1	50797536	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30662B_50797616	Ca_Kabuli_Chr06	NC_021165.1	50797616	CC	AA	AA	INTERGENIC		
SNP_30663B_50797674	Ca_Kabuli_Chr06	NC_021165.1	50797674	CC	AA	AA	INTERGENIC		
SNP_30664B_50797872	Ca_Kabuli_Chr06	NC_021165.1	50797872	TT	CC	CC	INTERGENIC		
SNP_30665B_50797873	Ca_Kabuli_Chr06	NC_021165.1	50797873	GG	TT	TT	INTERGENIC		
SNP_30666B_50797903	Ca_Kabuli_Chr06	NC_021165.1	50797903	TT	AA	AA	INTERGENIC		
SNP_30667B_50798090	Ca_Kabuli_Chr06	NC_021165.1	50798090	GG	CC	CC	INTERGENIC		
SNP_30668B_50798119	Ca_Kabuli_Chr06	NC_021165.1	50798119	CC	TT	TT	INTERGENIC		
SNP_30669B_50798158	Ca_Kabuli_Chr06	NC_021165.1	50798158	CC	AA	AA	INTERGENIC		
SNP_30670B_50798168	Ca_Kabuli_Chr06	NC_021165.1	50798168	AA	GG	GG	INTERGENIC		
SNP_30671B_50798253	Ca_Kabuli_Chr06	NC_021165.1	50798253	TT	CC	CC	INTERGENIC		
SNP_30672B_50798260	Ca_Kabuli_Chr06	NC_021165.1	50798260	AA	GG	GG	INTERGENIC		
SNP_30673B_50798261	Ca_Kabuli_Chr06	NC_021165.1	50798261	AA	GG	GG	INTERGENIC		
SNP_30674B_50798364	Ca_Kabuli_Chr06	NC_021165.1	50798364	CC	TT	TT	INTERGENIC		
SNP_30675B_50799379	Ca_Kabuli_Chr06	NC_021165.1	50799379	CC	GG	GG	INTERGENIC		
SNP_30676B_50799645	Ca_Kabuli_Chr06	NC_021165.1	50799645	CC	AA	AA	INTERGENIC		
SNP_30677B_50799822	Ca_Kabuli_Chr06	NC_021165.1	50799822	GG	AA	AA	INTERGENIC		
SNP_30678B_50818104	Ca_Kabuli_Chr06	NC_021165.1	50818104	AA	GG	GG	INTERGENIC		
SNP_30679B_50829342	Ca_Kabuli_Chr06	NC_021165.1	50829342	AA	TT	TT	INTERGENIC		
SNP_30680B_50829351	Ca_Kabuli_Chr06	NC_021165.1	50829351	TT	AA	AA	INTERGENIC		
SNP_30681B_50830073	Ca_Kabuli_Chr06	NC_021165.1	50830073	AA	GG	GG	INTERGENIC		
SNP_30682B_50954419	Ca_Kabuli_Chr06	NC_021165.1	50954419	AA	CC	CC	INTERGENIC		
SNP_30683B_50954754	Ca_Kabuli_Chr06	NC_021165.1	50954754	TT	CC	CC	INTERGENIC		
SNP_30684B_50977086	Ca_Kabuli_Chr06	NC_021165.1	50977086	CC	TT	TT	URR	101502587	Unknown function
SNP_30685B_50977168	Ca_Kabuli_Chr06	NC_021165.1	50977168	TT	AA	AA	URR	101502587	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30686B_50977263	Ca_Kabuli_Chr06	NC_021165.1	50977263	AA	CC	CC	URR	101502587	Unknown function
SNP_30687B_50977269	Ca_Kabuli_Chr06	NC_021165.1	50977269	TT	CC	CC	URR	101502587	Unknown function
SNP_30688B_50977340	Ca_Kabuli_Chr06	NC_021165.1	50977340	CC	TT	TT	URR	101502587	Unknown function
SNP_30689B_50977467	Ca_Kabuli_Chr06	NC_021165.1	50977467	AA	GG	GG	URR	101502587	Unknown function
SNP_30690B_50977528	Ca_Kabuli_Chr06	NC_021165.1	50977528	AA	GG	GG	URR	101502587	Unknown function
SNP_30691B_51041992	Ca_Kabuli_Chr06	NC_021165.1	51041992	CC	TT	TT	INTERGENIC		
SNP_30692B_51074777	Ca_Kabuli_Chr06	NC_021165.1	51074777	CC	GG	GG	INTERGENIC		
SNP_30693B_51074784	Ca_Kabuli_Chr06	NC_021165.1	51074784	TT	CC	CC	INTERGENIC		
SNP_30694B_51074803	Ca_Kabuli_Chr06	NC_021165.1	51074803	GG	CC	CC	INTERGENIC		
SNP_30695B_51074805	Ca_Kabuli_Chr06	NC_021165.1	51074805	GG	TT	TT	INTERGENIC		
SNP_30696B_51088246	Ca_Kabuli_Chr06	NC_021165.1	51088246	AA	GG	GG	INTERGENIC		
SNP_30697B_51219779	Ca_Kabuli_Chr06	NC_021165.1	51219779	AA	GG	GG	INTERGENIC		
SNP_30698B_51220151	Ca_Kabuli_Chr06	NC_021165.1	51220151	TT	GG	GG	INTERGENIC		
SNP_30699B_51220209	Ca_Kabuli_Chr06	NC_021165.1	51220209	AA	GG	GG	INTERGENIC		
SNP_30700B_51220269	Ca_Kabuli_Chr06	NC_021165.1	51220269	CC	TT	TT	INTERGENIC		
SNP_30701B_51220334	Ca_Kabuli_Chr06	NC_021165.1	51220334	AA	GG	GG	INTERGENIC		
SNP_30702B_51321455	Ca_Kabuli_Chr06	NC_021165.1	51321455	CC	TT	TT	INTERGENIC		
SNP_30703B_51324156	Ca_Kabuli_Chr06	NC_021165.1	51324156	AA	CC	CC	INTERGENIC		
SNP_30704B_51397525	Ca_Kabuli_Chr06	NC_021165.1	51397525	AA	GG	GG	URR	101499517	2-methoxy-6-polyprenyl-1,4-benzoquinol methylase, mitochondrial
SNP_30705B_51435036	Ca_Kabuli_Chr06	NC_021165.1	51435036	CC	AA	AA	INTERGENIC		
SNP_30706B_51444381	Ca_Kabuli_Chr06	NC_021165.1	51444381	AA	GG	GG	INTERGENIC		
SNP_30707B_51444405	Ca_Kabuli_Chr06	NC_021165.1	51444405	TT	AA	AA	INTERGENIC		
SNP_30708B_51444434	Ca_Kabuli_Chr06	NC_021165.1	51444434	AA	GG	GG	INTERGENIC		
SNP_30709B_51444474	Ca_Kabuli_Chr06	NC_021165.1	51444474	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30710B_51444475	Ca_Kabuli_Chr06	NC_021165.1	51444475	AA	CC	CC	INTERGENIC		
SNP_30711B_51444577	Ca_Kabuli_Chr06	NC_021165.1	51444577	CC	GG	GG	INTERGENIC		
SNP_30712B_51444608	Ca_Kabuli_Chr06	NC_021165.1	51444608	AA	CC	CC	INTERGENIC		
SNP_30713B_51483056	Ca_Kabuli_Chr06	NC_021165.1	51483056	TT	AA	AA	INTRON	101506124	mediator of RNA polymerase II transcription subunit 15a-like
SNP_30714B_51506612	Ca_Kabuli_Chr06	NC_021165.1	51506612	AA	GG	GG	INTRON	101506124	mediator of RNA polymerase II transcription subunit 15a-like
SNP_30715B_51506743	Ca_Kabuli_Chr06	NC_021165.1	51506743	CC	AA	AA	INTRON	101506124	mediator of RNA polymerase II transcription subunit 15a-like
SNP_30716B_51506777	Ca_Kabuli_Chr06	NC_021165.1	51506777	TT	AA	AA	INTRON	101506124	mediator of RNA polymerase II transcription subunit 15a-like
SNP_30717B_51506858	Ca_Kabuli_Chr06	NC_021165.1	51506858	AA	GG	GG	INTRON	101506124	mediator of RNA polymerase II transcription subunit 15a-like
SNP_30718B_51537047	Ca_Kabuli_Chr06	NC_021165.1	51537047	TT	CC	CC	INTERGENIC		
SNP_30719B_51563747	Ca_Kabuli_Chr06	NC_021165.1	51563747	TT	GG	GG	INTRON	101506454	vacuolar amino acid transporter 1-like
SNP_30720B_51620145	Ca_Kabuli_Chr06	NC_021165.1	51620145	CC	AA	AA	DRR	101507116	uncharacterized LOC101507116
SNP_30721B_51672042	Ca_Kabuli_Chr06	NC_021165.1	51672042	CC	TT	TT	INTERGENIC		
SNP_30722B_51672074	Ca_Kabuli_Chr06	NC_021165.1	51672074	AA	CC	CC	INTERGENIC		
SNP_30723B_51673257	Ca_Kabuli_Chr06	NC_021165.1	51673257	AA	GG	GG	INTERGENIC		
SNP_30724B_51675181	Ca_Kabuli_Chr06	NC_021165.1	51675181	TT	CC	CC	INTERGENIC		
SNP_30725B_51675188	Ca_Kabuli_Chr06	NC_021165.1	51675188	CC	GG	GG	INTERGENIC		
SNP_30726B_51675262	Ca_Kabuli_Chr06	NC_021165.1	51675262	GG	AA	AA	INTERGENIC		
SNP_30727B_51675562	Ca_Kabuli_Chr06	NC_021165.1	51675562	TT	CC	CC	INTERGENIC		
SNP_30728B_51675577	Ca_Kabuli_Chr06	NC_021165.1	51675577	GG	AA	AA	INTERGENIC		
SNP_30729B_51678031	Ca_Kabuli_Chr06	NC_021165.1	51678031	TT	CC	CC	INTERGENIC		
SNP_30730B_51679191	Ca_Kabuli_Chr06	NC_021165.1	51679191	TT	CC	CC	INTERGENIC		
SNP_30731B_51737325	Ca_Kabuli_Chr06	NC_021165.1	51737325	GG	AA	AA	INTRON	101508693	glucan endo-1,3-beta-glucosidase-like
SNP_30732B_51737707	Ca_Kabuli_Chr06	NC_021165.1	51737707	TT	CC	CC	INTRON	101508693	glucan endo-1,3-beta-glucosidase-like
SNP_30733B_51767433	Ca_Kabuli_Chr06	NC_021165.1	51767433	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30734B_51767471	Ca_Kabuli_Chr06	NC_021165.1	51767471	AA	CC	CC	INTERGENIC		
SNP_30735B_51767512	Ca_Kabuli_Chr06	NC_021165.1	51767512	AA	CC	CC	INTERGENIC		
SNP_30736B_51767671	Ca_Kabuli_Chr06	NC_021165.1	51767671	CC	TT	TT	INTERGENIC		
SNP_30737B_51767889	Ca_Kabuli_Chr06	NC_021165.1	51767889	AA	GG	GG	INTERGENIC		
SNP_30738B_51767902	Ca_Kabuli_Chr06	NC_021165.1	51767902	AA	CC	CC	INTERGENIC		
SNP_30739B_51767924	Ca_Kabuli_Chr06	NC_021165.1	51767924	TT	GG	GG	INTERGENIC		
SNP_30740B_51768028	Ca_Kabuli_Chr06	NC_021165.1	51768028	GG	AA	AA	INTERGENIC		
SNP_30741B_51768069	Ca_Kabuli_Chr06	NC_021165.1	51768069	TT	GG	GG	INTERGENIC		
SNP_30742B_51770263	Ca_Kabuli_Chr06	NC_021165.1	51770263	GG	AA	AA	INTERGENIC		
SNP_30743B_51770311	Ca_Kabuli_Chr06	NC_021165.1	51770311	TT	CC	CC	INTERGENIC		
SNP_30744B_51770358	Ca_Kabuli_Chr06	NC_021165.1	51770358	AA	CC	CC	INTERGENIC		
SNP_30745B_51770577	Ca_Kabuli_Chr06	NC_021165.1	51770577	GG	AA	AA	INTERGENIC		
SNP_30746B_51772820	Ca_Kabuli_Chr06	NC_021165.1	51772820	AA	GG	GG	INTERGENIC		
SNP_30747B_51772898	Ca_Kabuli_Chr06	NC_021165.1	51772898	AA	TT	TT	INTERGENIC		
SNP_30748B_51773194	Ca_Kabuli_Chr06	NC_021165.1	51773194	AA	GG	GG	INTERGENIC		
SNP_30749B_51775941	Ca_Kabuli_Chr06	NC_021165.1	51775941	TT	CC	CC	INTERGENIC		
SNP_30750B_51776063	Ca_Kabuli_Chr06	NC_021165.1	51776063	AA	TT	TT	INTERGENIC		
SNP_30752B_51802102	Ca_Kabuli_Chr06	NC_021165.1	51802102	CC	GG	GG	INTRON	101509650	Unknown function
SNP_30753B_51806309	Ca_Kabuli_Chr06	NC_021165.1	51806309	AA	GG	GG	INTRON	101509650	Unknown function
SNP_30754B_51828472	Ca_Kabuli_Chr06	NC_021165.1	51828472	GG	AA	AA	INTERGENIC		
SNP_30755B_51829013	Ca_Kabuli_Chr06	NC_021165.1	51829013	AA	GG	GG	INTERGENIC		
SNP_30756B_51829254	Ca_Kabuli_Chr06	NC_021165.1	51829254	TT	CC	CC	INTERGENIC		
SNP_30757B_51830284	Ca_Kabuli_Chr06	NC_021165.1	51830284	CC	AA	AA	INTERGENIC		
SNP_30758B_51830304	Ca_Kabuli_Chr06	NC_021165.1	51830304	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30759B_51880675	Ca_Kabuli_Chr06	NC_021165.1	51880675	AA	GG	GG	INTERGENIC		
SNP_30760B_51934146	Ca_Kabuli_Chr06	NC_021165.1	51934146	AA	GG	GG	INTERGENIC		
SNP_30761B_51934154	Ca_Kabuli_Chr06	NC_021165.1	51934154	GG	AA	AA	INTERGENIC		
SNP_30762B_51959760	Ca_Kabuli_Chr06	NC_021165.1	51959760	TT	CC	CC	INTERGENIC		
SNP_30763B_52003768	Ca_Kabuli_Chr06	NC_021165.1	52003768	TT	AA	AA	INTERGENIC		
SNP_30764B_52009059	Ca_Kabuli_Chr06	NC_021165.1	52009059	GG	AA	AA	INTERGENIC		
SNP_30765B_52075027	Ca_Kabuli_Chr06	NC_021165.1	52075027	TT	AA	AA	URR	101506125	serine/threonine-protein phosphatase 7 long form homolog
SNP_30767B_52075115	Ca_Kabuli_Chr06	NC_021165.1	52075115	TT	CC	CC	URR	101506125	serine/threonine-protein phosphatase 7 long form homolog
SNP_30768B_52075165	Ca_Kabuli_Chr06	NC_021165.1	52075165	TT	CC	CC	URR	101506125	serine/threonine-protein phosphatase 7 long form homolog
SNP_30769B_52075334	Ca_Kabuli_Chr06	NC_021165.1	52075334	CC	TT	TT	URR	101506125	serine/threonine-protein phosphatase 7 long form homolog
SNP_30770B_52086792	Ca_Kabuli_Chr06	NC_021165.1	52086792	GG	AA	AA	INTERGENIC		
SNP_30771B_52087910	Ca_Kabuli_Chr06	NC_021165.1	52087910	CC	GG	GG	START_GAINED	101491067	ribonuclease S-7-like
SNP_30772B_52088095	Ca_Kabuli_Chr06	NC_021165.1	52088095	GG	CC	CC	INTRON	101491067	ribonuclease S-7-like
SNP_30773B_52088185	Ca_Kabuli_Chr06	NC_021165.1	52088185	AA	CC	CC	INTRON	101491067	ribonuclease S-7-like
SNP_30774B_52088350	Ca_Kabuli_Chr06	NC_021165.1	52088350	TT	CC	CC	INTRON	101491067	ribonuclease S-7-like
SNP_30775B_52088388	Ca_Kabuli_Chr06	NC_021165.1	52088388	AA	TT	TT	INTRON	101491067	ribonuclease S-7-like
SNP_30776B_52088720	Ca_Kabuli_Chr06	NC_021165.1	52088720	TT	GG	GG	INTRON	101491067	ribonuclease S-7-like
SNP_30777B_52088832	Ca_Kabuli_Chr06	NC_021165.1	52088832	AA	GG	GG	NON_SYNONYMOUS_CODING	101491067	ribonuclease S-7-like
SNP_30778B_52088834	Ca_Kabuli_Chr06	NC_021165.1	52088834	CC	GG	GG	NON_SYNONYMOUS_CODING	101491067	ribonuclease S-7-like
SNP_30779B_52088933	Ca_Kabuli_Chr06	NC_021165.1	52088933	GG	TT	TT	NON_SYNONYMOUS_CODING	101491067	ribonuclease S-7-like
SNP_30780B_52088934	Ca_Kabuli_Chr06	NC_021165.1	52088934	GG	TT	TT	NON_SYNONYMOUS_CODING	101491067	ribonuclease S-7-like
SNP_30781B_52088939	Ca_Kabuli_Chr06	NC_021165.1	52088939	AA	CC	CC	SYNONYMOUS_CODING	101491067	ribonuclease S-7-like
SNP_30782B_52088940	Ca_Kabuli_Chr06	NC_021165.1	52088940	GG	AA	AA	NON_SYNONYMOUS_CODING	101491067	ribonuclease S-7-like
SNP_30783B_52088943	Ca_Kabuli_Chr06	NC_021165.1	52088943	GG	CC	CC	NON_SYNONYMOUS_CODING	101491067	ribonuclease S-7-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30784B_52088948	Ca_Kabuli_Chr06	NC_021165.1	52088948	TT	AA	AA	NON_SYNONYMOUS_CODING	101491067	ribonuclease S-7-like
SNP_30785B_52088949	Ca_Kabuli_Chr06	NC_021165.1	52088949	TT	GG	GG	STOP_GAINED	101491067	ribonuclease S-7-like
SNP_30786B_52088952	Ca_Kabuli_Chr06	NC_021165.1	52088952	AA	GG	GG	NON_SYNONYMOUS_CODING	101491067	ribonuclease S-7-like
SNP_30787B_52088955	Ca_Kabuli_Chr06	NC_021165.1	52088955	GG	CC	CC	NON_SYNONYMOUS_CODING	101491067	ribonuclease S-7-like
SNP_30788B_52089071	Ca_Kabuli_Chr06	NC_021165.1	52089071	TT	AA	AA	NON_SYNONYMOUS_CODING	101491067	ribonuclease S-7-like
SNP_30789B_52089097	Ca_Kabuli_Chr06	NC_021165.1	52089097	CC	GG	GG	NON_SYNONYMOUS_CODING	101491067	ribonuclease S-7-like
SNP_30790B_52089098	Ca_Kabuli_Chr06	NC_021165.1	52089098	AA	GG	GG	NON_SYNONYMOUS_CODING	101491067	ribonuclease S-7-like
SNP_30791B_52089100	Ca_Kabuli_Chr06	NC_021165.1	52089100	AA	CC	CC	NON_SYNONYMOUS_CODING	101491067	ribonuclease S-7-like
SNP_30792B_52089118	Ca_Kabuli_Chr06	NC_021165.1	52089118	TT	AA	AA	NON_SYNONYMOUS_CODING	101491067	ribonuclease S-7-like
SNP_30793B_52089121	Ca_Kabuli_Chr06	NC_021165.1	52089121	TT	CC	CC	NON_SYNONYMOUS_CODING	101491067	ribonuclease S-7-like
SNP_30794B_52089122	Ca_Kabuli_Chr06	NC_021165.1	52089122	AA	GG	GG	NON_SYNONYMOUS_CODING	101491067	ribonuclease S-7-like
SNP_30795B_52089152	Ca_Kabuli_Chr06	NC_021165.1	52089152	TT	AA	AA	NON_SYNONYMOUS_CODING	101491067	ribonuclease S-7-like
SNP_30796B_52089273	Ca_Kabuli_Chr06	NC_021165.1	52089273	AA	CC	CC	SYNONYMOUS_CODING	101491067	ribonuclease S-7-like
SNP_30797B_52089316	Ca_Kabuli_Chr06	NC_021165.1	52089316	AA	GG	GG	NON_SYNONYMOUS_CODING	101491067	ribonuclease S-7-like
SNP_30798B_52089339	Ca_Kabuli_Chr06	NC_021165.1	52089339	CC	GG	GG	SYNONYMOUS_CODING	101491067	ribonuclease S-7-like
SNP_30799B_52089344	Ca_Kabuli_Chr06	NC_021165.1	52089344	CC	TT	TT	NON_SYNONYMOUS_CODING	101491067	ribonuclease S-7-like
SNP_30800B_52089428	Ca_Kabuli_Chr06	NC_021165.1	52089428	GG	AA	AA	NON_SYNONYMOUS_CODING	101491067	ribonuclease S-7-like
SNP_30801B_52089448	Ca_Kabuli_Chr06	NC_021165.1	52089448	TT	CC	CC	NON_SYNONYMOUS_CODING	101491067	ribonuclease S-7-like
SNP_30802B_52089474	Ca_Kabuli_Chr06	NC_021165.1	52089474	GG	TT	TT	INTERGENIC		
SNP_30803B_52089605	Ca_Kabuli_Chr06	NC_021165.1	52089605	AA	TT	TT	URR	101491067	ribonuclease S-7-like
SNP_30804B_52089619	Ca_Kabuli_Chr06	NC_021165.1	52089619	TT	AA	AA	URR	101491067	ribonuclease S-7-like
SNP_30805B_52089647	Ca_Kabuli_Chr06	NC_021165.1	52089647	AA	TT	TT	URR	101491067	ribonuclease S-7-like
SNP_30806B_52089653	Ca_Kabuli_Chr06	NC_021165.1	52089653	AA	GG	GG	URR	101491067	ribonuclease S-7-like
SNP_30807B_52089711	Ca_Kabuli_Chr06	NC_021165.1	52089711	TT	CC	CC	URR	101491067	ribonuclease S-7-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30808B_52089739	Ca_Kabuli_Chr06	NC_021165.1	52089739	CC	TT	TT	URR	101491067	ribonuclease S-7-like
SNP_30809B_52089757	Ca_Kabuli_Chr06	NC_021165.1	52089757	TT	AA	AA	URR	101491067	ribonuclease S-7-like
SNP_30810B_52090004	Ca_Kabuli_Chr06	NC_021165.1	52090004	TT	CC	CC	URR	101491067	ribonuclease S-7-like
SNP_30811B_52093498	Ca_Kabuli_Chr06	NC_021165.1	52093498	AA	GG	GG	INTERGENIC		
SNP_30812B_52093552	Ca_Kabuli_Chr06	NC_021165.1	52093552	CC	AA	AA	INTERGENIC		
SNP_30813B_52107585	Ca_Kabuli_Chr06	NC_021165.1	52107585	CC	GG	GG	INTERGENIC		
SNP_30814B_52107606	Ca_Kabuli_Chr06	NC_021165.1	52107606	TT	CC	CC	INTERGENIC		
SNP_30815B_52120312	Ca_Kabuli_Chr06	NC_021165.1	52120312	AA	CC	CC	INTRON	101507117	Unknown function
SNP_30816B_52120587	Ca_Kabuli_Chr06	NC_021165.1	52120587	CC	AA	AA	INTRON	101507117	Unknown function
SNP_30817B_52120739	Ca_Kabuli_Chr06	NC_021165.1	52120739	AA	TT	TT	INTRON	101507117	Unknown function
SNP_30818B_52120757	Ca_Kabuli_Chr06	NC_021165.1	52120757	AA	GG	GG	INTRON	101507117	Unknown function
SNP_30819B_52122024	Ca_Kabuli_Chr06	NC_021165.1	52122024	CC	GG	GG	URR	101507117	Unknown function
SNP_30820B_52124940	Ca_Kabuli_Chr06	NC_021165.1	52124940	GG	TT	TT	INTERGENIC		
SNP_30821B_52125392	Ca_Kabuli_Chr06	NC_021165.1	52125392	TT	CC	CC	INTERGENIC		
SNP_30822B_52125456	Ca_Kabuli_Chr06	NC_021165.1	52125456	CC	GG	GG	INTERGENIC		
SNP_30823B_52126344	Ca_Kabuli_Chr06	NC_021165.1	52126344	TT	CC	CC	INTERGENIC		
SNP_30824B_52138762	Ca_Kabuli_Chr06	NC_021165.1	52138762	AA	GG	GG	INTERGENIC		
SNP_30825B_52251192	Ca_Kabuli_Chr06	NC_021165.1	52251192	AA	CC	CC	INTERGENIC		
SNP_30826B_52251202	Ca_Kabuli_Chr06	NC_021165.1	52251202	AA	GG	GG	INTERGENIC		
SNP_30827B_52251296	Ca_Kabuli_Chr06	NC_021165.1	52251296	GG	AA	AA	INTERGENIC		
SNP_30828B_52267676	Ca_Kabuli_Chr06	NC_021165.1	52267676	AA	GG	GG	INTERGENIC		
SNP_30829B_52267711	Ca_Kabuli_Chr06	NC_021165.1	52267711	TT	CC	CC	INTERGENIC		
SNP_30830B_52267790	Ca_Kabuli_Chr06	NC_021165.1	52267790	AA	GG	GG	INTERGENIC		
SNP_30831B_52267839	Ca_Kabuli_Chr06	NC_021165.1	52267839	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30832B_52268002	Ca_Kabuli_Chr06	NC_021165.1	52268002	GG	AA	AA	INTERGENIC		
SNP_30833B_52268005	Ca_Kabuli_Chr06	NC_021165.1	52268005	AA	TT	TT	INTERGENIC		
SNP_30834B_52269381	Ca_Kabuli_Chr06	NC_021165.1	52269381	CC	GG	GG	INTERGENIC		
SNP_30835B_52486155	Ca_Kabuli_Chr06	NC_021165.1	52486155	AA	GG	GG	INTERGENIC		
SNP_30836B_52486300	Ca_Kabuli_Chr06	NC_021165.1	52486300	TT	CC	CC	INTERGENIC		
SNP_30837B_52529891	Ca_Kabuli_Chr06	NC_021165.1	52529891	GG	AA	AA	INTERGENIC		
SNP_30838B_52531294	Ca_Kabuli_Chr06	NC_021165.1	52531294	AA	TT	TT	INTERGENIC		
SNP_30839B_52552823	Ca_Kabuli_Chr06	NC_021165.1	52552823	AA	CC	TT	INTERGENIC		
SNP_30840B_52644961	Ca_Kabuli_Chr06	NC_021165.1	52644961	CC	AA	AA	DRR	101504532	uncharacterized protein C7orf73-like
SNP_30841B_52697062	Ca_Kabuli_Chr06	NC_021165.1	52697062	AA	CC	CC	DRR	101508068	Unknown function
SNP_30842B_52697071	Ca_Kabuli_Chr06	NC_021165.1	52697071	AA	GG	GG	DRR	101508068	Unknown function
SNP_30843B_52703130	Ca_Kabuli_Chr06	NC_021165.1	52703130	TT	CC	CC	INTRON	101508068	Unknown function
SNP_30844B_52779377	Ca_Kabuli_Chr06	NC_021165.1	52779377	GG	AA	AA	INTERGENIC		
SNP_30845B_52787935	Ca_Kabuli_Chr06	NC_021165.1	52787935	GG	TT	TT	INTERGENIC		
SNP_30847B_52787985	Ca_Kabuli_Chr06	NC_021165.1	52787985	CC	TT	TT	INTERGENIC		
SNP_30848B_52819986	Ca_Kabuli_Chr06	NC_021165.1	52819986	GG	TT	TT	INTERGENIC		
SNP_30849B_52825948	Ca_Kabuli_Chr06	NC_021165.1	52825948	TT	AA	AA	INTERGENIC		
SNP_30850B_52841606	Ca_Kabuli_Chr06	NC_021165.1	52841606	CC	AA	AA	INTERGENIC		
SNP_30851B_52841810	Ca_Kabuli_Chr06	NC_021165.1	52841810	CC	AA	AA	INTERGENIC		
SNP_30853B_52849183	Ca_Kabuli_Chr06	NC_021165.1	52849183	TT	CC	CC	INTERGENIC		
SNP_30856B_52854012	Ca_Kabuli_Chr06	NC_021165.1	52854012	CC	TT	TT	INTRON	101488344	probable fucosyltransferase 7
SNP_30857B_52854599	Ca_Kabuli_Chr06	NC_021165.1	52854599	TT	GG	GG	INTRON	101488344	probable fucosyltransferase 7
SNP_30858B_52855645	Ca_Kabuli_Chr06	NC_021165.1	52855645	GG	AA	AA	INTRON	101488344	probable fucosyltransferase 7
SNP_30859B_52855756	Ca_Kabuli_Chr06	NC_021165.1	52855756	GG	AA	AA	INTRON	101488344	probable fucosyltransferase 7

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30860B_52855852	Ca_Kabuli_Chr06	NC_021165.1	52855852	TT	AA	AA	INTRON	101488344	probable fucosyltransferase 7
SNP_30861B_52855949	Ca_Kabuli_Chr06	NC_021165.1	52855949	TT	CC	CC	INTRON	101488344	probable fucosyltransferase 7
SNP_30862B_52856023	Ca_Kabuli_Chr06	NC_021165.1	52856023	GG	AA	AA	INTRON	101488344	probable fucosyltransferase 7
SNP_30863B_52856029	Ca_Kabuli_Chr06	NC_021165.1	52856029	GG	TT	TT	INTRON	101488344	probable fucosyltransferase 7
SNP_30864B_52856048	Ca_Kabuli_Chr06	NC_021165.1	52856048	GG	AA	AA	INTRON	101488344	probable fucosyltransferase 7
SNP_30865B_52857929	Ca_Kabuli_Chr06	NC_021165.1	52857929	TT	CC	CC	INTRON	101488344	probable fucosyltransferase 7
SNP_30866B_52858012	Ca_Kabuli_Chr06	NC_021165.1	52858012	CC	TT	TT	INTRON	101488344	probable fucosyltransferase 7
SNP_30867B_52858159	Ca_Kabuli_Chr06	NC_021165.1	52858159	AA	CC	CC	INTRON	101488344	probable fucosyltransferase 7
SNP_30868B_52858224	Ca_Kabuli_Chr06	NC_021165.1	52858224	CC	TT	TT	INTRON	101488344	probable fucosyltransferase 7
SNP_30869B_52858227	Ca_Kabuli_Chr06	NC_021165.1	52858227	AA	CC	CC	INTRON	101488344	probable fucosyltransferase 7
SNP_30870B_52858229	Ca_Kabuli_Chr06	NC_021165.1	52858229	AA	CC	CC	INTRON	101488344	probable fucosyltransferase 7
SNP_30871B_52858256	Ca_Kabuli_Chr06	NC_021165.1	52858256	TT	CC	CC	INTRON	101488344	probable fucosyltransferase 7
SNP_30872B_52858263	Ca_Kabuli_Chr06	NC_021165.1	52858263	TT	AA	AA	INTRON	101488344	probable fucosyltransferase 7
SNP_30873B_52858269	Ca_Kabuli_Chr06	NC_021165.1	52858269	CC	AA	AA	INTRON	101488344	probable fucosyltransferase 7
SNP_30875B_52858359	Ca_Kabuli_Chr06	NC_021165.1	52858359	AA	GG	GG	INTRON	101488344	probable fucosyltransferase 7
SNP_30877B_52858687	Ca_Kabuli_Chr06	NC_021165.1	52858687	AA	GG	GG	INTRON	101488344	probable fucosyltransferase 7
SNP_30878B_52858706	Ca_Kabuli_Chr06	NC_021165.1	52858706	CC	TT	TT	INTRON	101488344	probable fucosyltransferase 7
SNP_30879B_52858987	Ca_Kabuli_Chr06	NC_021165.1	52858987	TT	CC	CC	INTRON	101488344	probable fucosyltransferase 7
SNP_30882B_52862751	Ca_Kabuli_Chr06	NC_021165.1	52862751	GG	TT	TT	NON_SYNONYMOUS_CODING	101488344	probable fucosyltransferase 7
SNP_30883B_52863062	Ca_Kabuli_Chr06	NC_021165.1	52863062	AA	TT	TT	URR	101488344	probable fucosyltransferase 7
SNP_30884B_52863083	Ca_Kabuli_Chr06	NC_021165.1	52863083	TT	CC	CC	URR	101488344	probable fucosyltransferase 7
SNP_30885B_52863253	Ca_Kabuli_Chr06	NC_021165.1	52863253	TT	GG	GG	URR	101488344	probable fucosyltransferase 7
SNP_30886B_52868927	Ca_Kabuli_Chr06	NC_021165.1	52868927	TT	AA	AA	INTERGENIC		
SNP_30887B_52868948	Ca_Kabuli_Chr06	NC_021165.1	52868948	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30888B_52868968	Ca_Kabuli_Chr06	NC_021165.1	52868968	GG	AA	AA	INTERGENIC		
SNP_30889B_52868997	Ca_Kabuli_Chr06	NC_021165.1	52868997	AA	CC	CC	INTERGENIC		
SNP_30890B_52869190	Ca_Kabuli_Chr06	NC_021165.1	52869190	CC	TT	TT	INTERGENIC		
SNP_30891B_52869229	Ca_Kabuli_Chr06	NC_021165.1	52869229	AA	CC	CC	INTERGENIC		
SNP_30892B_52869268	Ca_Kabuli_Chr06	NC_021165.1	52869268	TT	CC	CC	INTERGENIC		
SNP_30893B_52869305	Ca_Kabuli_Chr06	NC_021165.1	52869305	CC	AA	AA	INTERGENIC		
SNP_30894B_52869414	Ca_Kabuli_Chr06	NC_021165.1	52869414	CC	AA	AA	INTERGENIC		
SNP_30895B_52869672	Ca_Kabuli_Chr06	NC_021165.1	52869672	GG	TT	TT	INTERGENIC		
SNP_30896B_52869774	Ca_Kabuli_Chr06	NC_021165.1	52869774	AA	GG	GG	INTERGENIC		
SNP_30897B_52885657	Ca_Kabuli_Chr06	NC_021165.1	52885657	AA	GG	GG	INTERGENIC		
SNP_30898B_52885741	Ca_Kabuli_Chr06	NC_021165.1	52885741	AA	CC	CC	INTERGENIC		
SNP_30899B_52885745	Ca_Kabuli_Chr06	NC_021165.1	52885745	AA	TT	TT	INTERGENIC		
SNP_30901B_52889942	Ca_Kabuli_Chr06	NC_021165.1	52889942	CC	GG	GG	INTERGENIC		
SNP_30902B_52890010	Ca_Kabuli_Chr06	NC_021165.1	52890010	TT	AA	AA	INTERGENIC		
SNP_30903B_52890054	Ca_Kabuli_Chr06	NC_021165.1	52890054	TT	CC	CC	INTERGENIC		
SNP_30904B_52895880	Ca_Kabuli_Chr06	NC_021165.1	52895880	TT	CC	CC	INTERGENIC		
SNP_30905B_52895884	Ca_Kabuli_Chr06	NC_021165.1	52895884	GG	CC	CC	INTERGENIC		
SNP_30906B_52895907	Ca_Kabuli_Chr06	NC_021165.1	52895907	CC	TT	TT	INTERGENIC		
SNP_30907B_52895926	Ca_Kabuli_Chr06	NC_021165.1	52895926	TT	CC	CC	INTERGENIC		
SNP_30909B_52958944	Ca_Kabuli_Chr06	NC_021165.1	52958944	AA	CC	CC	INTERGENIC		
SNP_30910B_52960348	Ca_Kabuli_Chr06	NC_021165.1	52960348	CC	TT	TT	INTERGENIC		
SNP_30911B_52960369	Ca_Kabuli_Chr06	NC_021165.1	52960369	GG	CC	CC	INTERGENIC		
SNP_30912B_53005538	Ca_Kabuli_Chr06	NC_021165.1	53005538	GG	TT	TT	INTERGENIC		
SNP_30913B_53010148	Ca_Kabuli_Chr06	NC_021165.1	53010148	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30914B_53045374	Ca_Kabuli_Chr06	NC_021165.1	53045374	CC	GG	GG	INTERGENIC		
SNP_30915B_53045382	Ca_Kabuli_Chr06	NC_021165.1	53045382	TT	GG	GG	INTERGENIC		
SNP_30916B_53045397	Ca_Kabuli_Chr06	NC_021165.1	53045397	TT	CC	CC	INTERGENIC		
SNP_30917B_53057658	Ca_Kabuli_Chr06	NC_021165.1	53057658	AA	GG	GG	INTRON	101489010	probable fucosyltransferase 7
SNP_30918B_53057659	Ca_Kabuli_Chr06	NC_021165.1	53057659	AA	TT	TT	INTRON	101489010	probable fucosyltransferase 7
SNP_30919B_53057663	Ca_Kabuli_Chr06	NC_021165.1	53057663	CC	GG	GG	INTRON	101489010	probable fucosyltransferase 7
SNP_30920B_53057676	Ca_Kabuli_Chr06	NC_021165.1	53057676	AA	GG	GG	SYNONYMOUS_CODING	101489010	probable fucosyltransferase 7
SNP_30921B_53057913	Ca_Kabuli_Chr06	NC_021165.1	53057913	TT	CC	CC	SYNONYMOUS_CODING	101489010	probable fucosyltransferase 7
SNP_30922B_53057951	Ca_Kabuli_Chr06	NC_021165.1	53057951	TT	CC	CC	URR	101489010	probable fucosyltransferase 7
SNP_30923B_53057972	Ca_Kabuli_Chr06	NC_021165.1	53057972	AA	GG	GG	URR	101489010	probable fucosyltransferase 7
SNP_30924B_53057973	Ca_Kabuli_Chr06	NC_021165.1	53057973	GG	AA	AA	URR	101489010	probable fucosyltransferase 7
SNP_30925B_53058040	Ca_Kabuli_Chr06	NC_021165.1	53058040	GG	CC	CC	URR	101489010	probable fucosyltransferase 7
SNP_30926B_53058053	Ca_Kabuli_Chr06	NC_021165.1	53058053	CC	AA	AA	URR	101489010	probable fucosyltransferase 7
SNP_30927B_53126812	Ca_Kabuli_Chr06	NC_021165.1	53126812	AA	GG	GG	INTRON	101510511	3-oxoacyl-[acyl-carrier-protein] synthase 3 A, chloroplastic-like
SNP_30928B_53217679	Ca_Kabuli_Chr06	NC_021165.1	53217679	GG	CC	CC	INTERGENIC		
SNP_30929B_53219850	Ca_Kabuli_Chr06	NC_021165.1	53219850	TT	AA	AA	DRR	101513526	CBL-interacting serine/threonine-protein kinase 5-like
SNP_30930B_53304345	Ca_Kabuli_Chr06	NC_021165.1	53304345	TT	CC	CC	INTRON	101515041	aquaporin NIP6-1-like
SNP_30931B_53304459	Ca_Kabuli_Chr06	NC_021165.1	53304459	TT	GG	GG	INTRON	101515041	aquaporin NIP6-1-like
SNP_30932B_53304498	Ca_Kabuli_Chr06	NC_021165.1	53304498	AA	GG	GG	INTRON	101515041	aquaporin NIP6-1-like
SNP_30933B_53304583	Ca_Kabuli_Chr06	NC_021165.1	53304583	AA	GG	GG	INTRON	101515041	aquaporin NIP6-1-like
SNP_30934B_53304630	Ca_Kabuli_Chr06	NC_021165.1	53304630	CC	TT	TT	INTRON	101515041	aquaporin NIP6-1-like
SNP_30935B_53304644	Ca_Kabuli_Chr06	NC_021165.1	53304644	GG	TT	TT	INTRON	101515041	aquaporin NIP6-1-like
SNP_30936B_53304750	Ca_Kabuli_Chr06	NC_021165.1	53304750	CC	TT	TT	INTRON	101515041	aquaporin NIP6-1-like
SNP_30937B_53304760	Ca_Kabuli_Chr06	NC_021165.1	53304760	TT	CC	CC	INTRON	101515041	aquaporin NIP6-1-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30938B_53304761	Ca_Kabuli_Chr06	NC_021165.1	53304761	CC	TT	TT	INTRON	101515041	aquaporin NIP6-1-like
SNP_30939B_53304803	Ca_Kabuli_Chr06	NC_021165.1	53304803	AA	TT	TT	INTRON	101515041	aquaporin NIP6-1-like
SNP_30940B_53304830	Ca_Kabuli_Chr06	NC_021165.1	53304830	GG	TT	TT	INTRON	101515041	aquaporin NIP6-1-like
SNP_30941B_53304900	Ca_Kabuli_Chr06	NC_021165.1	53304900	CC	TT	TT	INTRON	101515041	aquaporin NIP6-1-like
SNP_30942B_53304910	Ca_Kabuli_Chr06	NC_021165.1	53304910	GG	CC	CC	INTRON	101515041	aquaporin NIP6-1-like
SNP_30943B_53304942	Ca_Kabuli_Chr06	NC_021165.1	53304942	TT	CC	CC	INTRON	101515041	aquaporin NIP6-1-like
SNP_30944B_53304969	Ca_Kabuli_Chr06	NC_021165.1	53304969	TT	CC	CC	INTRON	101515041	aquaporin NIP6-1-like
SNP_30945B_53305040	Ca_Kabuli_Chr06	NC_021165.1	53305040	AA	CC	CC	INTRON	101515041	aquaporin NIP6-1-like
SNP_30946B_53305059	Ca_Kabuli_Chr06	NC_021165.1	53305059	GG	AA	AA	INTRON	101515041	aquaporin NIP6-1-like
SNP_30947B_53305064	Ca_Kabuli_Chr06	NC_021165.1	53305064	CC	TT	TT	INTRON	101515041	aquaporin NIP6-1-like
SNP_30948B_53305083	Ca_Kabuli_Chr06	NC_021165.1	53305083	TT	AA	AA	INTRON	101515041	aquaporin NIP6-1-like
SNP_30949B_53305092	Ca_Kabuli_Chr06	NC_021165.1	53305092	AA	TT	TT	INTRON	101515041	aquaporin NIP6-1-like
SNP_30950B_53305120	Ca_Kabuli_Chr06	NC_021165.1	53305120	GG	CC	CC	INTRON	101515041	aquaporin NIP6-1-like
SNP_30951B_53305256	Ca_Kabuli_Chr06	NC_021165.1	53305256	GG	TT	TT	INTRON	101515041	aquaporin NIP6-1-like
SNP_30952B_53305293	Ca_Kabuli_Chr06	NC_021165.1	53305293	TT	CC	CC	INTRON	101515041	aquaporin NIP6-1-like
SNP_30953B_53305304	Ca_Kabuli_Chr06	NC_021165.1	53305304	GG	AA	AA	INTRON	101515041	aquaporin NIP6-1-like
SNP_30955B_53305491	Ca_Kabuli_Chr06	NC_021165.1	53305491	TT	CC	CC	INTRON	101515041	aquaporin NIP6-1-like
SNP_30956B_53305503	Ca_Kabuli_Chr06	NC_021165.1	53305503	TT	GG	GG	INTRON	101515041	aquaporin NIP6-1-like
SNP_30957B_53305581	Ca_Kabuli_Chr06	NC_021165.1	53305581	CC	TT	TT	INTRON	101515041	aquaporin NIP6-1-like
SNP_30958B_53305597	Ca_Kabuli_Chr06	NC_021165.1	53305597	TT	CC	CC	INTRON	101515041	aquaporin NIP6-1-like
SNP_30959B_53310289	Ca_Kabuli_Chr06	NC_021165.1	53310289	TT	GG	GG	INTERGENIC		
SNP_30960B_53310315	Ca_Kabuli_Chr06	NC_021165.1	53310315	AA	TT	TT	INTERGENIC		
SNP_30961B_53310359	Ca_Kabuli_Chr06	NC_021165.1	53310359	GG	AA	AA	INTERGENIC		
SNP_30962B_53310392	Ca_Kabuli_Chr06	NC_021165.1	53310392	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30963B_53310468	Ca_Kabuli_Chr06	NC_021165.1	53310468	GG	AA	AA	INTERGENIC		
SNP_30964B_53310491	Ca_Kabuli_Chr06	NC_021165.1	53310491	GG	AA	AA	INTERGENIC		
SNP_30965B_53310648	Ca_Kabuli_Chr06	NC_021165.1	53310648	TT	GG	GG	INTERGENIC		
SNP_30966B_53311167	Ca_Kabuli_Chr06	NC_021165.1	53311167	GG	AA	AA	INTERGENIC		
SNP_30967B_53311208	Ca_Kabuli_Chr06	NC_021165.1	53311208	AA	TT	TT	INTERGENIC		
SNP_30969B_53312050	Ca_Kabuli_Chr06	NC_021165.1	53312050	GG	AA	AA	DRR	101490321	Unknown function
SNP_30970B_53312174	Ca_Kabuli_Chr06	NC_021165.1	53312174	GG	CC	CC	DRR	101490321	Unknown function
SNP_30971B_53312233	Ca_Kabuli_Chr06	NC_021165.1	53312233	CC	AA	AA	DRR	101490321	Unknown function
SNP_30973B_53312388	Ca_Kabuli_Chr06	NC_021165.1	53312388	TT	CC	CC	DRR	101490321	Unknown function
SNP_30974B_53312435	Ca_Kabuli_Chr06	NC_021165.1	53312435	GG	CC	CC	DRR	101490321	Unknown function
SNP_30975B_53312476	Ca_Kabuli_Chr06	NC_021165.1	53312476	TT	AA	AA	DRR	101490321	Unknown function
SNP_30976B_53312547	Ca_Kabuli_Chr06	NC_021165.1	53312547	AA	CC	CC	DRR	101490321	Unknown function
SNP_30977B_53312551	Ca_Kabuli_Chr06	NC_021165.1	53312551	TT	AA	AA	DRR	101490321	Unknown function
SNP_30978B_53312614	Ca_Kabuli_Chr06	NC_021165.1	53312614	AA	CC	CC	DRR	101490321	Unknown function
SNP_30979B_53312841	Ca_Kabuli_Chr06	NC_021165.1	53312841	CC	AA	AA	DRR	101490321	Unknown function
SNP_30980B_53312868	Ca_Kabuli_Chr06	NC_021165.1	53312868	TT	AA	AA	DRR	101490321	Unknown function
SNP_30981B_53312908	Ca_Kabuli_Chr06	NC_021165.1	53312908	GG	AA	AA	DRR	101490321	Unknown function
SNP_30982B_53312951	Ca_Kabuli_Chr06	NC_021165.1	53312951	CC	GG	GG	INTERGENIC		
SNP_30983B_53312994	Ca_Kabuli_Chr06	NC_021165.1	53312994	GG	CC	CC	INTERGENIC		
SNP_30984B_53363334	Ca_Kabuli_Chr06	NC_021165.1	53363334	GG	TT	TT	DRR	101490969	transcription factor MYB46
SNP_30985B_53363657	Ca_Kabuli_Chr06	NC_021165.1	53363657	AA	GG	GG	INTERGENIC		
SNP_30986B_53363681	Ca_Kabuli_Chr06	NC_021165.1	53363681	AA	CC	CC	INTERGENIC		
SNP_30987B_53411173	Ca_Kabuli_Chr06	NC_021165.1	53411173	AA	CC	CC	INTERGENIC		
SNP_30988B_53411546	Ca_Kabuli_Chr06	NC_021165.1	53411546	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_30990B_53414073	Ca_Kabuli_Chr06	NC_021165.1	53414073	TT	GG	GG	INTERGENIC		
SNP_30991B_53487314	Ca_Kabuli_Chr06	NC_021165.1	53487314	GG	AA	AA	URR	101493244	E3 ubiquitin ligase BIG BROTHER-like
SNP_30992B_53493546	Ca_Kabuli_Chr06	NC_021165.1	53493546	TT	CC	CC	INTERGENIC		
SNP_30993B_53493580	Ca_Kabuli_Chr06	NC_021165.1	53493580	AA	CC	CC	INTERGENIC		
SNP_30994B_53493733	Ca_Kabuli_Chr06	NC_021165.1	53493733	AA	CC	CC	INTERGENIC		
SNP_30995B_53522023	Ca_Kabuli_Chr06	NC_021165.1	53522023	TT	CC	CC	INTERGENIC		
SNP_30996B_53531350	Ca_Kabuli_Chr06	NC_021165.1	53531350	GG	CC	CC	INTERGENIC		
SNP_30997B_53531623	Ca_Kabuli_Chr06	NC_021165.1	53531623	CC	AA	AA	INTERGENIC		
SNP_30998B_53547845	Ca_Kabuli_Chr06	NC_021165.1	53547845	TT	CC	CC	URR	101494307	zinc transporter ZTP29-like
SNP_30999B_53585323	Ca_Kabuli_Chr06	NC_021165.1	53585323	AA	GG	GG	INTERGENIC		
SNP_31000B_53599299	Ca_Kabuli_Chr06	NC_021165.1	53599299	CC	TT	TT	INTERGENIC		
SNP_31001B_53646431	Ca_Kabuli_Chr06	NC_021165.1	53646431	TT	GG	GG	INTERGENIC		
SNP_31002B_53646432	Ca_Kabuli_Chr06	NC_021165.1	53646432	GG	TT	TT	INTERGENIC		
SNP_31003B_53670483	Ca_Kabuli_Chr06	NC_021165.1	53670483	TT	AA	AA	INTERGENIC		
SNP_31004B_53691467	Ca_Kabuli_Chr06	NC_021165.1	53691467	TT	AA	AA	DRR	101498775	uncharacterized LOC101498775
SNP_31005B_53730484	Ca_Kabuli_Chr06	NC_021165.1	53730484	GG	AA	AA	INTERGENIC		
SNP_31006B_53736444	Ca_Kabuli_Chr06	NC_021165.1	53736444	CC	TT	TT	DRR	101499921	linoleate 13S-lipoxygenase 2-1, chloroplastic-like
SNP_31007B_53739129	Ca_Kabuli_Chr06	NC_021165.1	53739129	GG	AA	AA	INTRON	101499921	linoleate 13S-lipoxygenase 2-1, chloroplastic-like
SNP_31008B_53761180	Ca_Kabuli_Chr06	NC_021165.1	53761180	AA	TT	TT	URR	101505370	Unknown function
SNP_31009B_53797720	Ca_Kabuli_Chr06	NC_021165.1	53797720	TT	CC	CC	INTERGENIC		
SNP_31010B_53797876	Ca_Kabuli_Chr06	NC_021165.1	53797876	CC	GG	GG	INTERGENIC		
SNP_31011B_53797942	Ca_Kabuli_Chr06	NC_021165.1	53797942	AA	TT	TT	INTERGENIC		
SNP_31013B_53815021	Ca_Kabuli_Chr06	NC_021165.1	53815021	AA	GG	GG	INTERGENIC		
SNP_31014B_53815025	Ca_Kabuli_Chr06	NC_021165.1	53815025	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_31015B_53815108	Ca_Kabuli_Chr06	NC_021165.1	53815108	CC	TT	TT	INTERGENIC		
SNP_31016B_53928170	Ca_Kabuli_Chr06	NC_021165.1	53928170	CC	GG	GG	URR	101502484	myosin-15
SNP_31017B_53987054	Ca_Kabuli_Chr06	NC_021165.1	53987054	AA	GG	GG	INTERGENIC		
SNP_31018B_54019206	Ca_Kabuli_Chr06	NC_021165.1	54019206	TT	AA	AA	INTERGENIC		
SNP_31019B_54028611	Ca_Kabuli_Chr06	NC_021165.1	54028611	TT	AA	AA	INTERGENIC		
SNP_31020B_54028666	Ca_Kabuli_Chr06	NC_021165.1	54028666	TT	CC	CC	INTERGENIC		
SNP_31021B_54028884	Ca_Kabuli_Chr06	NC_021165.1	54028884	AA	CC	CC	INTERGENIC		
SNP_31022B_54028885	Ca_Kabuli_Chr06	NC_021165.1	54028885	AA	GG	GG	INTERGENIC		
SNP_31023B_54028892	Ca_Kabuli_Chr06	NC_021165.1	54028892	CC	TT	TT	INTERGENIC		
SNP_31026B_54068770	Ca_Kabuli_Chr06	NC_021165.1	54068770	GG	TT	TT	INTERGENIC		
SNP_31027B_54068841	Ca_Kabuli_Chr06	NC_021165.1	54068841	GG	TT	TT	INTERGENIC		
SNP_31030B_54069012	Ca_Kabuli_Chr06	NC_021165.1	54069012	TT	CC	CC	INTERGENIC		
SNP_31031B_54069087	Ca_Kabuli_Chr06	NC_021165.1	54069087	GG	TT	TT	INTERGENIC		
SNP_31032B_54069103	Ca_Kabuli_Chr06	NC_021165.1	54069103	CC	TT	TT	INTERGENIC		
SNP_31034B_54069745	Ca_Kabuli_Chr06	NC_021165.1	54069745	AA	CC	CC	INTERGENIC		
SNP_31035B_54069773	Ca_Kabuli_Chr06	NC_021165.1	54069773	GG	AA	AA	INTERGENIC		
SNP_31036B_54069784	Ca_Kabuli_Chr06	NC_021165.1	54069784	AA	CC	CC	INTERGENIC		
SNP_31037B_54069833	Ca_Kabuli_Chr06	NC_021165.1	54069833	TT	CC	CC	INTERGENIC		
SNP_31038B_54069883	Ca_Kabuli_Chr06	NC_021165.1	54069883	TT	AA	AA	INTERGENIC		
SNP_31039B_54070066	Ca_Kabuli_Chr06	NC_021165.1	54070066	TT	AA	AA	INTERGENIC		
SNP_31041B_54070176	Ca_Kabuli_Chr06	NC_021165.1	54070176	CC	GG	GG	INTERGENIC		
SNP_31042B_54070215	Ca_Kabuli_Chr06	NC_021165.1	54070215	CC	TT	TT	INTERGENIC		
SNP_31043B_54070231	Ca_Kabuli_Chr06	NC_021165.1	54070231	GG	AA	AA	INTERGENIC		
SNP_31045B_54070274	Ca_Kabuli_Chr06	NC_021165.1	54070274	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_31046B_54070277	Ca_Kabuli_Chr06	NC_021165.1	54070277	AA	CC	CC	INTERGENIC		
SNP_31047B_54070287	Ca_Kabuli_Chr06	NC_021165.1	54070287	CC	TT	TT	INTERGENIC		
SNP_31048B_54117888	Ca_Kabuli_Chr06	NC_021165.1	54117888	AA	TT	TT	INTERGENIC		
SNP_31049B_54144064	Ca_Kabuli_Chr06	NC_021165.1	54144064	GG	AA	AA	URR	101510297	uncharacterized LOC101510297
SNP_31051B_54144113	Ca_Kabuli_Chr06	NC_021165.1	54144113	AA	CC	CC	URR	101510297	uncharacterized LOC101510297
SNP_31053B_54144462	Ca_Kabuli_Chr06	NC_021165.1	54144462	CC	GG	GG	URR	101510297	uncharacterized LOC101510297
SNP_31054B_54144469	Ca_Kabuli_Chr06	NC_021165.1	54144469	AA	TT	TT	URR	101510297	uncharacterized LOC101510297
SNP_31055B_54160684	Ca_Kabuli_Chr06	NC_021165.1	54160684	TT	CC	CC	INTERGENIC		
SNP_31057B_54161054	Ca_Kabuli_Chr06	NC_021165.1	54161054	GG	TT	TT	INTERGENIC		
SNP_31058B_54162693	Ca_Kabuli_Chr06	NC_021165.1	54162693	TT	GG	GG	INTERGENIC		
SNP_31060B_54200102	Ca_Kabuli_Chr06	NC_021165.1	54200102	GG	CC	CC	DRR	101492250	transcriptional regulator TAC1-like
SNP_31061B_54288666	Ca_Kabuli_Chr06	NC_021165.1	54288666	AA	TT	TT	URR	101489865	laccase-2-like
SNP_31062B_54323261	Ca_Kabuli_Chr06	NC_021165.1	54323261	GG	TT	TT	INTERGENIC		
SNP_31063B_54333829	Ca_Kabuli_Chr06	NC_021165.1	54333829	CC	TT	TT	NON_SYNONYMOUS_CODING	101490522	ATP-dependent zinc metalloprotease FTSH 10, mitochondrial-like
SNP_31064B_54339144	Ca_Kabuli_Chr06	NC_021165.1	54339144	AA	GG	GG	URR	101490522	ATP-dependent zinc metalloprotease FTSH 10, mitochondrial-like
SNP_31065B_54341596	Ca_Kabuli_Chr06	NC_021165.1	54341596	GG	AA	AA	INTERGENIC		
SNP_31066B_54344254	Ca_Kabuli_Chr06	NC_021165.1	54344254	GG	AA	AA	INTERGENIC		
SNP_31067B_54345634	Ca_Kabuli_Chr06	NC_021165.1	54345634	TT	AA	AA	INTERGENIC		
SNP_31068B_54354063	Ca_Kabuli_Chr06	NC_021165.1	54354063	TT	AA	AA	INTERGENIC		
SNP_31069B_54362910	Ca_Kabuli_Chr06	NC_021165.1	54362910	GG	AA	AA	INTERGENIC		
SNP_31070B_54363691	Ca_Kabuli_Chr06	NC_021165.1	54363691	AA	GG	GG	INTERGENIC		
SNP_31071B_54363693	Ca_Kabuli_Chr06	NC_021165.1	54363693	AA	GG	GG	INTERGENIC		
SNP_31072B_54363697	Ca_Kabuli_Chr06	NC_021165.1	54363697	CC	AA	AA	INTERGENIC		
SNP_31073B_54363710	Ca_Kabuli_Chr06	NC_021165.1	54363710	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_31074B_54365710	Ca_Kabuli_Chr06	NC_021165.1	54365710	CC	TT	TT	INTRON	101491915	scarecrow-like protein 33
SNP_31075B_54365712	Ca_Kabuli_Chr06	NC_021165.1	54365712	GG	AA	AA	INTRON	101491915	scarecrow-like protein 33
SNP_31076B_54365721	Ca_Kabuli_Chr06	NC_021165.1	54365721	GG	CC	CC	INTRON	101491915	scarecrow-like protein 33
SNP_31078B_54754815	Ca_Kabuli_Chr06	NC_021165.1	54754815	TT	AA	AA	INTERGENIC		
SNP_31080B_54754859	Ca_Kabuli_Chr06	NC_021165.1	54754859	AA	GG	GG	INTERGENIC		
SNP_31081B_54754890	Ca_Kabuli_Chr06	NC_021165.1	54754890	AA	CC	CC	INTERGENIC		
SNP_31082B_54754922	Ca_Kabuli_Chr06	NC_021165.1	54754922	GG	AA	AA	INTERGENIC		
SNP_31083B_54792784	Ca_Kabuli_Chr06	NC_021165.1	54792784	TT	AA	AA	INTERGENIC		
SNP_31084B_54792817	Ca_Kabuli_Chr06	NC_021165.1	54792817	CC	GG	GG	INTERGENIC		
SNP_31085B_54807622	Ca_Kabuli_Chr06	NC_021165.1	54807622	GG	AA	AA	INTRON	101499615	uncharacterized LOC101499615
SNP_31086B_54886733	Ca_Kabuli_Chr06	NC_021165.1	54886733	AA	GG	GG	INTERGENIC		
SNP_31087B_54886832	Ca_Kabuli_Chr06	NC_021165.1	54886832	GG	AA	AA	INTERGENIC		
SNP_31088B_54887103	Ca_Kabuli_Chr06	NC_021165.1	54887103	TT	CC	CC	INTERGENIC		
SNP_31089B_54887202	Ca_Kabuli_Chr06	NC_021165.1	54887202	CC	TT	TT	INTERGENIC		
SNP_31090B_54933189	Ca_Kabuli_Chr06	NC_021165.1	54933189	CC	TT	TT	INTERGENIC		
SNP_31092B_54933294	Ca_Kabuli_Chr06	NC_021165.1	54933294	TT	CC	CC	INTERGENIC		
SNP_31093B_54933329	Ca_Kabuli_Chr06	NC_021165.1	54933329	AA	GG	GG	INTERGENIC		
SNP_31094B_54933522	Ca_Kabuli_Chr06	NC_021165.1	54933522	GG	TT	TT	INTERGENIC		
SNP_31096B_54933646	Ca_Kabuli_Chr06	NC_021165.1	54933646	TT	AA	AA	INTERGENIC		
SNP_31097B_54934216	Ca_Kabuli_Chr06	NC_021165.1	54934216	TT	CC	CC	INTERGENIC		
SNP_31098B_54934232	Ca_Kabuli_Chr06	NC_021165.1	54934232	CC	TT	TT	INTERGENIC		
SNP_31099B_54934624	Ca_Kabuli_Chr06	NC_021165.1	54934624	CC	TT	TT	INTERGENIC		
SNP_31100B_54938304	Ca_Kabuli_Chr06	NC_021165.1	54938304	TT	CC	CC	INTERGENIC		
SNP_31101B_54938803	Ca_Kabuli_Chr06	NC_021165.1	54938803	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_31102B_54938869	Ca_Kabuli_Chr06	NC_021165.1	54938869	GG	AA	AA	INTERGENIC		
SNP_31103B_54938888	Ca_Kabuli_Chr06	NC_021165.1	54938888	CC	TT	TT	INTERGENIC		
SNP_31104B_55004114	Ca_Kabuli_Chr06	NC_021165.1	55004114	CC	TT	TT	INTERGENIC		
SNP_31105B_55113130	Ca_Kabuli_Chr06	NC_021165.1	55113130	AA	GG	GG	INTERGENIC		
SNP_31106B_55113478	Ca_Kabuli_Chr06	NC_021165.1	55113478	AA	GG	GG	INTERGENIC		
SNP_31107B_55113511	Ca_Kabuli_Chr06	NC_021165.1	55113511	GG	TT	TT	INTERGENIC		
SNP_31108B_55156117	Ca_Kabuli_Chr06	NC_021165.1	55156117	GG	AA	AA	INTERGENIC		
SNP_31109B_55162570	Ca_Kabuli_Chr06	NC_021165.1	55162570	AA	GG	GG	INTERGENIC		
SNP_31110B_55342477	Ca_Kabuli_Chr06	NC_021165.1	55342477	CC	TT	TT	INTERGENIC		
SNP_31111B_55345421	Ca_Kabuli_Chr06	NC_021165.1	55345421	TT	CC	CC	INTERGENIC		
SNP_31112B_55345450	Ca_Kabuli_Chr06	NC_021165.1	55345450	AA	GG	GG	INTERGENIC		
SNP_31113B_55345458	Ca_Kabuli_Chr06	NC_021165.1	55345458	CC	GG	GG	INTERGENIC		
SNP_31114B_55345839	Ca_Kabuli_Chr06	NC_021165.1	55345839	TT	CC	CC	INTERGENIC		
SNP_31115B_55347975	Ca_Kabuli_Chr06	NC_021165.1	55347975	AA	GG	GG	INTERGENIC		
SNP_31116B_55399737	Ca_Kabuli_Chr06	NC_021165.1	55399737	TT	AA	AA	DRR	101512759	uncharacterized LOC101512759
SNP_31117B_55399783	Ca_Kabuli_Chr06	NC_021165.1	55399783	TT	AA	AA	DRR	101512759	uncharacterized LOC101512759
SNP_31118B_55399785	Ca_Kabuli_Chr06	NC_021165.1	55399785	TT	AA	AA	DRR	101512759	uncharacterized LOC101512759
SNP_31119B_55399918	Ca_Kabuli_Chr06	NC_021165.1	55399918	CC	TT	TT	DRR	101512759	uncharacterized LOC101512759
SNP_31120B_55399955	Ca_Kabuli_Chr06	NC_021165.1	55399955	GG	AA	AA	DRR	101512759	uncharacterized LOC101512759
SNP_31121B_55445551	Ca_Kabuli_Chr06	NC_021165.1	55445551	GG	TT	TT	INTERGENIC		
SNP_31122B_55445768	Ca_Kabuli_Chr06	NC_021165.1	55445768	TT	GG	GG	INTERGENIC		
SNP_31123B_55445817	Ca_Kabuli_Chr06	NC_021165.1	55445817	GG	AA	AA	INTERGENIC		
SNP_31124B_55446198	Ca_Kabuli_Chr06	NC_021165.1	55446198	TT	CC	CC	INTERGENIC		
SNP_31125B_55446235	Ca_Kabuli_Chr06	NC_021165.1	55446235	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_31126B_55446331	Ca_Kabuli_Chr06	NC_021165.1	55446331	CC	GG	GG	INTERGENIC		
SNP_31127B_55446400	Ca_Kabuli_Chr06	NC_021165.1	55446400	CC	AA	AA	INTERGENIC		
SNP_31128B_55455803	Ca_Kabuli_Chr06	NC_021165.1	55455803	CC	GG	GG	INTRON	101513415	Unknown function
SNP_31129B_55455904	Ca_Kabuli_Chr06	NC_021165.1	55455904	CC	TT	TT	INTRON	101513415	Unknown function
SNP_31130B_55455905	Ca_Kabuli_Chr06	NC_021165.1	55455905	GG	TT	TT	INTRON	101513415	Unknown function
SNP_31131B_55455906	Ca_Kabuli_Chr06	NC_021165.1	55455906	TT	GG	GG	INTRON	101513415	Unknown function
SNP_31132B_55514958	Ca_Kabuli_Chr06	NC_021165.1	55514958	AA	GG	GG	INTERGENIC		
SNP_31133B_55514986	Ca_Kabuli_Chr06	NC_021165.1	55514986	TT	CC	CC	INTERGENIC		
SNP_31134B_55607454	Ca_Kabuli_Chr06	NC_021165.1	55607454	TT	CC	CC	INTERGENIC		
SNP_31135B_55607862	Ca_Kabuli_Chr06	NC_021165.1	55607862	TT	AA	AA	INTERGENIC		
SNP_31136B_55607866	Ca_Kabuli_Chr06	NC_021165.1	55607866	TT	GG	GG	INTERGENIC		
SNP_31137B_55607908	Ca_Kabuli_Chr06	NC_021165.1	55607908	TT	CC	CC	INTERGENIC		
SNP_31138B_55609276	Ca_Kabuli_Chr06	NC_021165.1	55609276	CC	TT	TT	INTERGENIC		
SNP_31139B_55609551	Ca_Kabuli_Chr06	NC_021165.1	55609551	AA	GG	GG	INTERGENIC		
SNP_31140B_55754708	Ca_Kabuli_Chr06	NC_021165.1	55754708	AA	GG	GG	INTERGENIC		
SNP_31141B_55754726	Ca_Kabuli_Chr06	NC_021165.1	55754726	AA	GG	GG	INTERGENIC		
SNP_31142B_55754732	Ca_Kabuli_Chr06	NC_021165.1	55754732	TT	CC	CC	INTERGENIC		
SNP_31143B_55754792	Ca_Kabuli_Chr06	NC_021165.1	55754792	AA	CC	CC	INTERGENIC		
SNP_31144B_55754795	Ca_Kabuli_Chr06	NC_021165.1	55754795	AA	TT	TT	INTERGENIC		
SNP_31146B_55771091	Ca_Kabuli_Chr06	NC_021165.1	55771091	AA	GG	GG	INTERGENIC		
SNP_31149B_55771600	Ca_Kabuli_Chr06	NC_021165.1	55771600	AA	GG	GG	INTERGENIC		
SNP_31151B_55783029	Ca_Kabuli_Chr06	NC_021165.1	55783029	AA	GG	GG	INTERGENIC		
SNP_31152B_55826298	Ca_Kabuli_Chr06	NC_021165.1	55826298	AA	GG	GG	INTERGENIC		
SNP_31153B_55826329	Ca_Kabuli_Chr06	NC_021165.1	55826329	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_31154B_55826412	Ca_Kabuli_Chr06	NC_021165.1	55826412	CC	TT	TT	INTERGENIC		
SNP_31155B_55826428	Ca_Kabuli_Chr06	NC_021165.1	55826428	CC	TT	TT	INTERGENIC		
SNP_31156B_55826832	Ca_Kabuli_Chr06	NC_021165.1	55826832	GG	AA	AA	INTERGENIC		
SNP_31157B_55826845	Ca_Kabuli_Chr06	NC_021165.1	55826845	GG	TT	TT	INTERGENIC		
SNP_31158B_55826854	Ca_Kabuli_Chr06	NC_021165.1	55826854	GG	TT	TT	INTERGENIC		
SNP_31159B_55826902	Ca_Kabuli_Chr06	NC_021165.1	55826902	CC	TT	TT	INTERGENIC		
SNP_31160B_55833901	Ca_Kabuli_Chr06	NC_021165.1	55833901	TT	CC	GG	INTERGENIC		
SNP_31161B_55834361	Ca_Kabuli_Chr06	NC_021165.1	55834361	AA	TT	TT	INTERGENIC		
SNP_31162B_55847708	Ca_Kabuli_Chr06	NC_021165.1	55847708	GG	AA	AA	INTERGENIC		
SNP_31163B_55945173	Ca_Kabuli_Chr06	NC_021165.1	55945173	GG	AA	AA	INTRON	id151647	Unknown function
SNP_31164B_55945174	Ca_Kabuli_Chr06	NC_021165.1	55945174	AA	CC	CC	INTRON	id151647	Unknown function
SNP_31165B_55947042	Ca_Kabuli_Chr06	NC_021165.1	55947042	TT	CC	CC	INTRON	id151647	Unknown function
SNP_31166B_55973048	Ca_Kabuli_Chr06	NC_021165.1	55973048	TT	CC	CC	INTERGENIC		
SNP_31168B_56082029	Ca_Kabuli_Chr06	NC_021165.1	56082029	AA	TT	TT	INTERGENIC		
SNP_31169B_56087625	Ca_Kabuli_Chr06	NC_021165.1	56087625	AA	GG	GG	INTERGENIC		
SNP_31171B_56087747	Ca_Kabuli_Chr06	NC_021165.1	56087747	CC	TT	TT	INTERGENIC		
SNP_31172B_56136239	Ca_Kabuli_Chr06	NC_021165.1	56136239	AA	GG	GG	NON_SYNONYMOUS_CODING	101491384	uncharacterized LOC101491384
SNP_31173B_56136253	Ca_Kabuli_Chr06	NC_021165.1	56136253	AA	GG	GG	NON_SYNONYMOUS_CODING	101491384	uncharacterized LOC101491384
SNP_31174B_56138314	Ca_Kabuli_Chr06	NC_021165.1	56138314	GG	TT	TT	INTERGENIC		
SNP_31175B_56138593	Ca_Kabuli_Chr06	NC_021165.1	56138593	GG	AA	AA	INTERGENIC		
SNP_31176B_56138641	Ca_Kabuli_Chr06	NC_021165.1	56138641	CC	TT	TT	INTERGENIC		
SNP_31177B_56138696	Ca_Kabuli_Chr06	NC_021165.1	56138696	GG	AA	AA	INTERGENIC		
SNP_31178B_56138719	Ca_Kabuli_Chr06	NC_021165.1	56138719	TT	CC	CC	INTERGENIC		
SNP_31179B_56138793	Ca_Kabuli_Chr06	NC_021165.1	56138793	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_31180B_56138816	Ca_Kabuli_Chr06	NC_021165.1	56138816	TT	GG	GG	INTERGENIC		
SNP_31181B_56138823	Ca_Kabuli_Chr06	NC_021165.1	56138823	TT	CC	CC	INTERGENIC		
SNP_31182B_56138883	Ca_Kabuli_Chr06	NC_021165.1	56138883	GG	AA	AA	INTERGENIC		
SNP_31183B_56138918	Ca_Kabuli_Chr06	NC_021165.1	56138918	TT	GG	GG	INTERGENIC		
SNP_31184B_56138924	Ca_Kabuli_Chr06	NC_021165.1	56138924	GG	AA	AA	INTERGENIC		
SNP_31185B_56139045	Ca_Kabuli_Chr06	NC_021165.1	56139045	AA	GG	GG	INTERGENIC		
SNP_31187B_56139152	Ca_Kabuli_Chr06	NC_021165.1	56139152	AA	GG	GG	INTERGENIC		
SNP_31188B_56139180	Ca_Kabuli_Chr06	NC_021165.1	56139180	TT	CC	CC	INTERGENIC		
SNP_31189B_56139211	Ca_Kabuli_Chr06	NC_021165.1	56139211	TT	CC	CC	INTERGENIC		
SNP_31190B_56139303	Ca_Kabuli_Chr06	NC_021165.1	56139303	AA	TT	TT	INTERGENIC		
SNP_31191B_56139310	Ca_Kabuli_Chr06	NC_021165.1	56139310	AA	GG	GG	INTERGENIC		
SNP_31192B_56139342	Ca_Kabuli_Chr06	NC_021165.1	56139342	TT	AA	AA	INTERGENIC		
SNP_31193B_56139349	Ca_Kabuli_Chr06	NC_021165.1	56139349	CC	GG	GG	INTERGENIC		
SNP_31194B_56139376	Ca_Kabuli_Chr06	NC_021165.1	56139376	CC	TT	TT	INTERGENIC		
SNP_31195B_56139395	Ca_Kabuli_Chr06	NC_021165.1	56139395	TT	GG	GG	INTERGENIC		
SNP_31196B_56139456	Ca_Kabuli_Chr06	NC_021165.1	56139456	AA	GG	GG	INTERGENIC		
SNP_31197B_56139457	Ca_Kabuli_Chr06	NC_021165.1	56139457	TT	GG	GG	INTERGENIC		
SNP_31198B_56139459	Ca_Kabuli_Chr06	NC_021165.1	56139459	TT	GG	GG	INTERGENIC		
SNP_31199B_56145677	Ca_Kabuli_Chr06	NC_021165.1	56145677	CC	GG	GG	URR	101491698	myb-related protein 340-like
SNP_31200B_56145681	Ca_Kabuli_Chr06	NC_021165.1	56145681	CC	AA	AA	URR	101491698	myb-related protein 340-like
SNP_31201B_56187781	Ca_Kabuli_Chr06	NC_021165.1	56187781	TT	CC	CC	INTERGENIC		
SNP_31202B_56187789	Ca_Kabuli_Chr06	NC_021165.1	56187789	AA	GG	GG	INTERGENIC		
SNP_31203B_56193013	Ca_Kabuli_Chr06	NC_021165.1	56193013	AA	GG	GG	INTERGENIC		
SNP_31204B_56193039	Ca_Kabuli_Chr06	NC_021165.1	56193039	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_31205B_56301898	Ca_Kabuli_Chr06	NC_021165.1	56301898	AA	GG	GG	INTERGENIC		
SNP_31206B_56304463	Ca_Kabuli_Chr06	NC_021165.1	56304463	CC	TT	TT	INTERGENIC		
SNP_31207B_56304474	Ca_Kabuli_Chr06	NC_021165.1	56304474	GG	AA	AA	INTERGENIC		
SNP_31208B_56304475	Ca_Kabuli_Chr06	NC_021165.1	56304475	TT	AA	AA	INTERGENIC		
SNP_31209B_56304482	Ca_Kabuli_Chr06	NC_021165.1	56304482	AA	TT	TT	INTERGENIC		
SNP_31210B_56304500	Ca_Kabuli_Chr06	NC_021165.1	56304500	GG	AA	AA	INTERGENIC		
SNP_31211B_56304506	Ca_Kabuli_Chr06	NC_021165.1	56304506	GG	AA	AA	INTERGENIC		
SNP_31212B_56304716	Ca_Kabuli_Chr06	NC_021165.1	56304716	AA	GG	GG	INTERGENIC		
SNP_31213B_56304753	Ca_Kabuli_Chr06	NC_021165.1	56304753	TT	CC	CC	INTERGENIC		
SNP_31214B_56304780	Ca_Kabuli_Chr06	NC_021165.1	56304780	CC	GG	GG	INTERGENIC		
SNP_31215B_56304804	Ca_Kabuli_Chr06	NC_021165.1	56304804	TT	CC	CC	INTERGENIC		
SNP_31216B_56304851	Ca_Kabuli_Chr06	NC_021165.1	56304851	AA	CC	CC	INTERGENIC		
SNP_31217B_56304874	Ca_Kabuli_Chr06	NC_021165.1	56304874	TT	AA	AA	INTERGENIC		
SNP_31218B_56304916	Ca_Kabuli_Chr06	NC_021165.1	56304916	GG	AA	AA	INTERGENIC		
SNP_31219B_56305017	Ca_Kabuli_Chr06	NC_021165.1	56305017	TT	CC	CC	INTERGENIC		
SNP_31220B_56305049	Ca_Kabuli_Chr06	NC_021165.1	56305049	AA	TT	TT	INTERGENIC		
SNP_31221B_56315569	Ca_Kabuli_Chr06	NC_021165.1	56315569	CC	GG	GG	INTERGENIC		
SNP_31222B_56348954	Ca_Kabuli_Chr06	NC_021165.1	56348954	GG	AA	AA	INTERGENIC		
SNP_31223B_56397942	Ca_Kabuli_Chr06	NC_021165.1	56397942	TT	CC	CC	INTRON	101494099	MLO-like protein 1
SNP_31224B_56397973	Ca_Kabuli_Chr06	NC_021165.1	56397973	GG	AA	AA	INTRON	101494099	MLO-like protein 1
SNP_31225B_56397986	Ca_Kabuli_Chr06	NC_021165.1	56397986	TT	CC	CC	INTRON	101494099	MLO-like protein 1
SNP_31226B_56397993	Ca_Kabuli_Chr06	NC_021165.1	56397993	AA	GG	GG	INTRON	101494099	MLO-like protein 1
SNP_31227B_56502583	Ca_Kabuli_Chr06	NC_021165.1	56502583	AA	TT	TT	INTERGENIC		
SNP_31228B_56502686	Ca_Kabuli_Chr06	NC_021165.1	56502686	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_31229B_56502736	Ca_Kabuli_Chr06	NC_021165.1	56502736	TT	CC	CC	INTERGENIC		
SNP_31230B_56503561	Ca_Kabuli_Chr06	NC_021165.1	56503561	AA	TT	TT	INTERGENIC		
SNP_31231B_56503597	Ca_Kabuli_Chr06	NC_021165.1	56503597	AA	TT	TT	INTERGENIC		
SNP_31232B_56503611	Ca_Kabuli_Chr06	NC_021165.1	56503611	AA	GG	GG	INTERGENIC		
SNP_31233B_56503616	Ca_Kabuli_Chr06	NC_021165.1	56503616	GG	AA	AA	INTERGENIC		
SNP_31234B_56503617	Ca_Kabuli_Chr06	NC_021165.1	56503617	CC	GG	GG	INTERGENIC		
SNP_31235B_56503657	Ca_Kabuli_Chr06	NC_021165.1	56503657	CC	TT	TT	INTERGENIC		
SNP_31236B_56503683	Ca_Kabuli_Chr06	NC_021165.1	56503683	CC	TT	TT	INTERGENIC		
SNP_31237B_56503687	Ca_Kabuli_Chr06	NC_021165.1	56503687	TT	CC	CC	INTERGENIC		
SNP_31238B_56503716	Ca_Kabuli_Chr06	NC_021165.1	56503716	CC	AA	AA	INTERGENIC		
SNP_31239B_56503720	Ca_Kabuli_Chr06	NC_021165.1	56503720	TT	GG	GG	INTERGENIC		
SNP_31240B_56503874	Ca_Kabuli_Chr06	NC_021165.1	56503874	TT	AA	AA	INTERGENIC		
SNP_31241B_56503880	Ca_Kabuli_Chr06	NC_021165.1	56503880	CC	AA	AA	INTERGENIC		
SNP_31242B_56503888	Ca_Kabuli_Chr06	NC_021165.1	56503888	AA	CC	CC	INTERGENIC		
SNP_31243B_56503913	Ca_Kabuli_Chr06	NC_021165.1	56503913	TT	CC	CC	INTERGENIC		
SNP_31244B_56503916	Ca_Kabuli_Chr06	NC_021165.1	56503916	CC	TT	TT	INTERGENIC		
SNP_31245B_56503941	Ca_Kabuli_Chr06	NC_021165.1	56503941	GG	AA	AA	INTERGENIC		
SNP_31248B_56504092	Ca_Kabuli_Chr06	NC_021165.1	56504092	TT	AA	AA	INTERGENIC		
SNP_31250B_56504237	Ca_Kabuli_Chr06	NC_021165.1	56504237	TT	CC	CC	INTERGENIC		
SNP_31251B_56504316	Ca_Kabuli_Chr06	NC_021165.1	56504316	AA	GG	GG	INTERGENIC		
SNP_31252B_56504334	Ca_Kabuli_Chr06	NC_021165.1	56504334	TT	GG	AA	INTERGENIC		
SNP_31253B_56504541	Ca_Kabuli_Chr06	NC_021165.1	56504541	CC	GG	GG	INTERGENIC		
SNP_31254B_56504611	Ca_Kabuli_Chr06	NC_021165.1	56504611	TT	AA	AA	INTERGENIC		
SNP_31255B_56504620	Ca_Kabuli_Chr06	NC_021165.1	56504620	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_31256B_56504633	Ca_Kabuli_Chr06	NC_021165.1	56504633	GG	AA	AA	INTERGENIC		
SNP_31258B_56504785	Ca_Kabuli_Chr06	NC_021165.1	56504785	TT	AA	AA	INTERGENIC		
SNP_31259B_56504833	Ca_Kabuli_Chr06	NC_021165.1	56504833	GG	TT	TT	INTERGENIC		
SNP_31260B_56505062	Ca_Kabuli_Chr06	NC_021165.1	56505062	TT	GG	GG	INTERGENIC		
SNP_31261B_56505167	Ca_Kabuli_Chr06	NC_021165.1	56505167	CC	TT	TT	INTERGENIC		
SNP_31262B_56505317	Ca_Kabuli_Chr06	NC_021165.1	56505317	CC	TT	TT	INTERGENIC		
SNP_31263B_56505321	Ca_Kabuli_Chr06	NC_021165.1	56505321	TT	CC	CC	INTERGENIC		
SNP_31264B_56505327	Ca_Kabuli_Chr06	NC_021165.1	56505327	CC	AA	AA	INTERGENIC		
SNP_31265B_56505389	Ca_Kabuli_Chr06	NC_021165.1	56505389	TT	CC	CC	INTERGENIC		
SNP_31266B_56505400	Ca_Kabuli_Chr06	NC_021165.1	56505400	TT	AA	AA	INTERGENIC		
SNP_31267B_56505409	Ca_Kabuli_Chr06	NC_021165.1	56505409	AA	GG	GG	INTERGENIC		
SNP_31268B_56505420	Ca_Kabuli_Chr06	NC_021165.1	56505420	GG	CC	CC	INTERGENIC		
SNP_31269B_56505475	Ca_Kabuli_Chr06	NC_021165.1	56505475	AA	CC	CC	INTERGENIC		
SNP_31270B_56505478	Ca_Kabuli_Chr06	NC_021165.1	56505478	GG	AA	AA	INTERGENIC		
SNP_31271B_56505492	Ca_Kabuli_Chr06	NC_021165.1	56505492	GG	AA	AA	INTERGENIC		
SNP_31272B_56505499	Ca_Kabuli_Chr06	NC_021165.1	56505499	CC	GG	GG	INTERGENIC		
SNP_31274B_56506744	Ca_Kabuli_Chr06	NC_021165.1	56506744	AA	GG	GG	INTERGENIC		
SNP_31275B_56506806	Ca_Kabuli_Chr06	NC_021165.1	56506806	GG	AA	AA	INTERGENIC		
SNP_31276B_56506953	Ca_Kabuli_Chr06	NC_021165.1	56506953	CC	TT	TT	INTERGENIC		
SNP_31277B_56506985	Ca_Kabuli_Chr06	NC_021165.1	56506985	TT	CC	CC	INTERGENIC		
SNP_31278B_56507132	Ca_Kabuli_Chr06	NC_021165.1	56507132	TT	CC	CC	INTERGENIC		
SNP_31279B_56507160	Ca_Kabuli_Chr06	NC_021165.1	56507160	AA	GG	GG	INTERGENIC		
SNP_31280B_56507352	Ca_Kabuli_Chr06	NC_021165.1	56507352	CC	TT	TT	INTERGENIC		
SNP_31281B_56507373	Ca_Kabuli_Chr06	NC_021165.1	56507373	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_31282B_56507394	Ca_Kabuli_Chr06	NC_021165.1	56507394	TT	AA	AA	INTERGENIC		
SNP_31284B_56507463	Ca_Kabuli_Chr06	NC_021165.1	56507463	CC	AA	AA	INTERGENIC		
SNP_31285B_56507466	Ca_Kabuli_Chr06	NC_021165.1	56507466	GG	AA	AA	INTERGENIC		
SNP_31286B_56507487	Ca_Kabuli_Chr06	NC_021165.1	56507487	TT	AA	AA	INTERGENIC		
SNP_31287B_56507715	Ca_Kabuli_Chr06	NC_021165.1	56507715	TT	CC	CC	INTERGENIC		
SNP_31289B_56507746	Ca_Kabuli_Chr06	NC_021165.1	56507746	TT	AA	AA	INTERGENIC		
SNP_31290B_56507791	Ca_Kabuli_Chr06	NC_021165.1	56507791	CC	TT	TT	INTERGENIC		
SNP_31292B_56507803	Ca_Kabuli_Chr06	NC_021165.1	56507803	GG	AA	AA	INTERGENIC		
SNP_31293B_56508135	Ca_Kabuli_Chr06	NC_021165.1	56508135	GG	AA	AA	INTERGENIC		
SNP_31294B_56508190	Ca_Kabuli_Chr06	NC_021165.1	56508190	AA	TT	TT	INTERGENIC		
SNP_31295B_56594715	Ca_Kabuli_Chr06	NC_021165.1	56594715	AA	CC	CC	URR	101497553	ATP-dependent RNA helicase SUV3L, mitochondrial-like
SNP_31296B_56616893	Ca_Kabuli_Chr06	NC_021165.1	56616893	TT	CC	CC	INTERGENIC		
SNP_31297B_56616927	Ca_Kabuli_Chr06	NC_021165.1	56616927	TT	AA	AA	INTERGENIC		
SNP_31298B_56616928	Ca_Kabuli_Chr06	NC_021165.1	56616928	GG	CC	CC	INTERGENIC		
SNP_31299B_56621648	Ca_Kabuli_Chr06	NC_021165.1	56621648	CC	GG	GG	INTERGENIC		
SNP_31300B_56674052	Ca_Kabuli_Chr06	NC_021165.1	56674052	CC	TT	TT	INTERGENIC		
SNP_31302B_56713005	Ca_Kabuli_Chr06	NC_021165.1	56713005	AA	GG	GG	INTRON	101488670	uncharacterized LOC101488670
SNP_31303B_56713316	Ca_Kabuli_Chr06	NC_021165.1	56713316	TT	CC	CC	INTRON	101488670	uncharacterized LOC101488670
SNP_31304B_56713374	Ca_Kabuli_Chr06	NC_021165.1	56713374	CC	TT	TT	INTRON	101488670	uncharacterized LOC101488670
SNP_31307B_56728535	Ca_Kabuli_Chr06	NC_021165.1	56728535	TT	AA	AA	INTERGENIC		
SNP_31309B_56728926	Ca_Kabuli_Chr06	NC_021165.1	56728926	TT	CC	CC	INTERGENIC		
SNP_31311B_56866276	Ca_Kabuli_Chr06	NC_021165.1	56866276	TT	AA	AA	INTRON	101504728	uncharacterized LOC101504728
SNP_31312B_56887055	Ca_Kabuli_Chr06	NC_021165.1	56887055	GG	AA	AA	DRR	101505051	cationic amino acid transporter 3, mitochondrial-like
SNP_31313B_56997270	Ca_Kabuli_Chr06	NC_021165.1	56997270	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_31314B_57007837	Ca_Kabuli_Chr06	NC_021165.1	57007837	AA	GG	GG	INTERGENIC		
SNP_31316B_57059715	Ca_Kabuli_Chr06	NC_021165.1	57059715	TT	GG	GG	INTERGENIC		
SNP_31317B_57069570	Ca_Kabuli_Chr06	NC_021165.1	57069570	AA	TT	TT	INTERGENIC		
SNP_31318B_57084572	Ca_Kabuli_Chr06	NC_021165.1	57084572	AA	CC	CC	DRR	101509866	cytochrome P450 85A-like
SNP_31319B_57100382	Ca_Kabuli_Chr06	NC_021165.1	57100382	AA	GG	GG	INTRON	101510185	cytochrome P450 85A-like
SNP_31321B_57128914	Ca_Kabuli_Chr06	NC_021165.1	57128914	CC	GG	GG	URR	101511583	COBRA-like protein 4
SNP_31322B_57138536	Ca_Kabuli_Chr06	NC_021165.1	57138536	TT	CC	CC	INTERGENIC		
SNP_31323B_57138577	Ca_Kabuli_Chr06	NC_021165.1	57138577	GG	AA	AA	INTERGENIC		
SNP_31324B_57144221	Ca_Kabuli_Chr06	NC_021165.1	57144221	TT	CC	CC	INTERGENIC		
SNP_31325B_57144243	Ca_Kabuli_Chr06	NC_021165.1	57144243	TT	CC	CC	INTERGENIC		
SNP_31326B_57155847	Ca_Kabuli_Chr06	NC_021165.1	57155847	AA	TT	TT	INTERGENIC		
SNP_31327B_57172869	Ca_Kabuli_Chr06	NC_021165.1	57172869	GG	CC	CC	NON_SYNONYMOUS_CODING	101513417	phenolic glucoside malonyltransferase 1-like
SNP_31328B_57172892	Ca_Kabuli_Chr06	NC_021165.1	57172892	TT	CC	CC	NON_SYNONYMOUS_CODING	101513417	phenolic glucoside malonyltransferase 1-like
SNP_31329B_57173435	Ca_Kabuli_Chr06	NC_021165.1	57173435	GG	AA	AA	SYNONYMOUS_CODING	101513417	phenolic glucoside malonyltransferase 1-like
SNP_31330B_57173517	Ca_Kabuli_Chr06	NC_021165.1	57173517	TT	AA	AA	NON_SYNONYMOUS_CODING	101513417	phenolic glucoside malonyltransferase 1-like
SNP_31331B_57173520	Ca_Kabuli_Chr06	NC_021165.1	57173520	CC	AA	AA	NON_SYNONYMOUS_CODING	101513417	phenolic glucoside malonyltransferase 1-like
SNP_31332B_57173530	Ca_Kabuli_Chr06	NC_021165.1	57173530	GG	CC	CC	NON_SYNONYMOUS_CODING	101513417	phenolic glucoside malonyltransferase 1-like
SNP_31333B_57173535	Ca_Kabuli_Chr06	NC_021165.1	57173535	CC	TT	TT	SYNONYMOUS_CODING	101513417	phenolic glucoside malonyltransferase 1-like
SNP_31334B_57173536	Ca_Kabuli_Chr06	NC_021165.1	57173536	AA	GG	GG	NON_SYNONYMOUS_CODING	101513417	phenolic glucoside malonyltransferase 1-like
SNP_31335B_57173556	Ca_Kabuli_Chr06	NC_021165.1	57173556	GG	AA	AA	SYNONYMOUS_CODING	101513417	phenolic glucoside malonyltransferase 1-like
SNP_31336B_57173638	Ca_Kabuli_Chr06	NC_021165.1	57173638	AA	CC	CC	NON_SYNONYMOUS_CODING	101513417	phenolic glucoside malonyltransferase 1-like
SNP_31337B_57173648	Ca_Kabuli_Chr06	NC_021165.1	57173648	CC	TT	TT	NON_SYNONYMOUS_CODING	101513417	phenolic glucoside malonyltransferase 1-like
SNP_31338B_57173652	Ca_Kabuli_Chr06	NC_021165.1	57173652	AA	CC	CC	NON_SYNONYMOUS_CODING	101513417	phenolic glucoside malonyltransferase 1-like
SNP_31339B_57173657	Ca_Kabuli_Chr06	NC_021165.1	57173657	AA	GG	GG	NON_SYNONYMOUS_CODING	101513417	phenolic glucoside malonyltransferase 1-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_31340B_57173671	Ca_Kabuli_Chr06	NC_021165.1	57173671	AA	GG	GG	NON_SYNONYMOUS_CODING	101513417	phenolic glucoside malonyltransferase 1-like
SNP_31341B_57173684	Ca_Kabuli_Chr06	NC_021165.1	57173684	AA	GG	GG	NON_SYNONYMOUS_CODING	101513417	phenolic glucoside malonyltransferase 1-like
SNP_31342B_57173688	Ca_Kabuli_Chr06	NC_021165.1	57173688	AA	CC	CC	SYNONYMOUS_CODING	101513417	phenolic glucoside malonyltransferase 1-like
SNP_31343B_57173695	Ca_Kabuli_Chr06	NC_021165.1	57173695	AA	GG	GG	NON_SYNONYMOUS_CODING	101513417	phenolic glucoside malonyltransferase 1-like
SNP_31344B_57173882	Ca_Kabuli_Chr06	NC_021165.1	57173882	CC	GG	GG	NON_SYNONYMOUS_CODING	101513417	phenolic glucoside malonyltransferase 1-like
SNP_31345B_57173945	Ca_Kabuli_Chr06	NC_021165.1	57173945	CC	GG	GG	NON_SYNONYMOUS_CODING	101513417	phenolic glucoside malonyltransferase 1-like
SNP_31346B_57173946	Ca_Kabuli_Chr06	NC_021165.1	57173946	TT	AA	AA	SYNONYMOUS_CODING	101513417	phenolic glucoside malonyltransferase 1-like
SNP_31347B_57173979	Ca_Kabuli_Chr06	NC_021165.1	57173979	TT	AA	AA	SYNONYMOUS_CODING	101513417	phenolic glucoside malonyltransferase 1-like
SNP_31348B_57173987	Ca_Kabuli_Chr06	NC_021165.1	57173987	TT	GG	GG	NON_SYNONYMOUS_CODING	101513417	phenolic glucoside malonyltransferase 1-like
SNP_31349B_57174350	Ca_Kabuli_Chr06	NC_021165.1	57174350	AA	GG	GG	URR	101513417	phenolic glucoside malonyltransferase 1-like
SNP_31350B_57174363	Ca_Kabuli_Chr06	NC_021165.1	57174363	AA	GG	GG	URR	101513417	phenolic glucoside malonyltransferase 1-like
SNP_31351B_57174368	Ca_Kabuli_Chr06	NC_021165.1	57174368	GG	TT	TT	URR	101513417	phenolic glucoside malonyltransferase 1-like
SNP_31352B_57255393	Ca_Kabuli_Chr06	NC_021165.1	57255393	GG	AA	AA	INTERGENIC		
SNP_31353B_57255399	Ca_Kabuli_Chr06	NC_021165.1	57255399	AA	CC	CC	INTERGENIC		
SNP_31354B_57425772	Ca_Kabuli_Chr06	NC_021165.1	57425772	AA	CC	CC	INTRON	101495369	uncharacterized LOC101495369
SNP_31355B_57460842	Ca_Kabuli_Chr06	NC_021165.1	57460842	GG	AA	AA	INTERGENIC		
SNP_31356B_57487954	Ca_Kabuli_Chr06	NC_021165.1	57487954	TT	CC	CC	INTERGENIC		
SNP_31357B_57488358	Ca_Kabuli_Chr06	NC_021165.1	57488358	TT	GG	GG	INTERGENIC		
SNP_31358B_57608265	Ca_Kabuli_Chr06	NC_021165.1	57608265	GG	AA	AA	INTERGENIC		
SNP_31359B_57641566	Ca_Kabuli_Chr06	NC_021165.1	57641566	CC	AA	AA	DRR	101502998	uncharacterized LOC101502998
SNP_31360B_57657651	Ca_Kabuli_Chr06	NC_021165.1	57657651	AA	CC	CC	INTERGENIC		
SNP_31361B_57702981	Ca_Kabuli_Chr06	NC_021165.1	57702981	GG	TT	TT	DRR	101506127	uncharacterized LOC101506127
SNP_31362B_57795920	Ca_Kabuli_Chr06	NC_021165.1	57795920	GG	AA	AA	INTERGENIC		
SNP_31363B_57883989	Ca_Kabuli_Chr06	NC_021165.1	57883989	GG	AA	AA	URR	101513960	uncharacterized LOC101513960

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_31364B_57945330	Ca_Kabuli_Chr06	NC_021165.1	57945330	TT	AA	AA	DRR	101501413	Unknown function
SNP_31365B_58017545	Ca_Kabuli_Chr06	NC_021165.1	58017545	GG	TT	TT	INTERGENIC		
SNP_31366B_58340194	Ca_Kabuli_Chr06	NC_021165.1	58340194	TT	CC	CC	INTERGENIC		
SNP_31368B_58404842	Ca_Kabuli_Chr06	NC_021165.1	58404842	AA	GG	GG	NON_SYNONYMOUS_CODING	101500035	protein FAR-RED ELONGATED HYPOCOTYL 3-like
SNP_31369B_58405031	Ca_Kabuli_Chr06	NC_021165.1	58405031	TT	CC	CC	NON_SYNONYMOUS_CODING	101500035	protein FAR-RED ELONGATED HYPOCOTYL 3-like
SNP_31370B_58409691	Ca_Kabuli_Chr06	NC_021165.1	58409691	TT	AA	AA	DRR	101509546	protein RER1A-like
SNP_31371B_58538185	Ca_Kabuli_Chr06	NC_021165.1	58538185	CC	TT	TT	INTERGENIC		
SNP_31373B_58588040	Ca_Kabuli_Chr06	NC_021165.1	58588040	AA	TT	TT	INTRON	101488671	transcription factor BTF3 homolog 4-like
SNP_31376B_58691110	Ca_Kabuli_Chr06	NC_021165.1	58691110	TT	GG	GG	INTERGENIC		
SNP_31377B_58691111	Ca_Kabuli_Chr06	NC_021165.1	58691111	AA	GG	GG	INTERGENIC		
SNP_31378B_58727781	Ca_Kabuli_Chr06	NC_021165.1	58727781	GG	AA	AA	DRR	101494100	MATE efflux family protein 4, chloroplastic-like
SNP_31379B_58739877	Ca_Kabuli_Chr06	NC_021165.1	58739877	GG	TT	TT	INTERGENIC		
SNP_31381B_58783420	Ca_Kabuli_Chr06	NC_021165.1	58783420	AA	TT	TT	INTERGENIC		
SNP_31382B_58783421	Ca_Kabuli_Chr06	NC_021165.1	58783421	AA	TT	TT	INTERGENIC		
SNP_31383B_58783440	Ca_Kabuli_Chr06	NC_021165.1	58783440	AA	GG	GG	INTERGENIC		
SNP_31386B_58790498	Ca_Kabuli_Chr06	NC_021165.1	58790498	TT	AA	AA	URR	101502589	myb-like protein M
SNP_31387B_58790500	Ca_Kabuli_Chr06	NC_021165.1	58790500	CC	AA	AA	URR	101502589	myb-like protein M
SNP_31388B_58794694	Ca_Kabuli_Chr06	NC_021165.1	58794694	CC	AA	AA	INTERGENIC		
SNP_31389B_58801276	Ca_Kabuli_Chr06	NC_021165.1	58801276	GG	AA	AA	INTERGENIC		
SNP_31390B_58803915	Ca_Kabuli_Chr06	NC_021165.1	58803915	CC	TT	TT	INTERGENIC		
SNP_31391B_58803917	Ca_Kabuli_Chr06	NC_021165.1	58803917	AA	GG	GG	INTERGENIC		
SNP_31392B_58803919	Ca_Kabuli_Chr06	NC_021165.1	58803919	AA	GG	GG	INTERGENIC		
SNP_31394B_58819500	Ca_Kabuli_Chr06	NC_021165.1	58819500	TT	CC	CC	INTERGENIC		
SNP_31395B_58819527	Ca_Kabuli_Chr06	NC_021165.1	58819527	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_31396B_58819529	Ca_Kabuli_Chr06	NC_021165.1	58819529	CC	AA	AA	INTERGENIC		
SNP_31397B_58819772	Ca_Kabuli_Chr06	NC_021165.1	58819772	CC	TT	TT	INTERGENIC		
SNP_31398B_58819778	Ca_Kabuli_Chr06	NC_021165.1	58819778	TT	CC	CC	INTERGENIC		
SNP_31399B_58823642	Ca_Kabuli_Chr06	NC_021165.1	58823642	AA	CC	CC	DRR	101496576	TATA box-binding protein-associated factor RNA polymerase I subunit B
SNP_31402B_58827206	Ca_Kabuli_Chr06	NC_021165.1	58827206	AA	CC	CC	INTRON	101496576	TATA box-binding protein-associated factor RNA polymerase I subunit B
SNP_31403B_58827208	Ca_Kabuli_Chr06	NC_021165.1	58827208	TT	GG	GG	INTRON	101496576	TATA box-binding protein-associated factor RNA polymerase I subunit B
SNP_31407B_59058643	Ca_Kabuli_Chr06	NC_021165.1	59058643	GG	AA	AA	INTERGENIC		
SNP_31408B_59058650	Ca_Kabuli_Chr06	NC_021165.1	59058650	CC	AA	AA	INTERGENIC		
SNP_31410B_59069232	Ca_Kabuli_Chr06	NC_021165.1	59069232	AA	GG	GG	URR	101491701	nuclear transcription factor Y subunit C-3-like
SNP_31411B_59069245	Ca_Kabuli_Chr06	NC_021165.1	59069245	AA	GG	GG	URR	101491701	nuclear transcription factor Y subunit C-3-like
SNP_31412B_59069249	Ca_Kabuli_Chr06	NC_021165.1	59069249	CC	TT	TT	URR	101491701	nuclear transcription factor Y subunit C-3-like
SNP_31413B_59069274	Ca_Kabuli_Chr06	NC_021165.1	59069274	GG	AA	AA	URR	101491701	nuclear transcription factor Y subunit C-3-like
SNP_31414B_59074307	Ca_Kabuli_Chr06	NC_021165.1	59074307	CC	AA	AA	INTERGENIC		
SNP_31416B_59133132	Ca_Kabuli_Chr06	NC_021165.1	59133132	AA	GG	GG	INTERGENIC		
SNP_31417B_59189795	Ca_Kabuli_Chr06	NC_021165.1	59189795	TT	CC	CC	INTERGENIC		
SNP_31418B_59216778	Ca_Kabuli_Chr06	NC_021165.1	59216778	GG	TT	TT	INTRON	101512763	7-dehydrocholesterol reductase
SNP_31419B_59238274	Ca_Kabuli_Chr06	NC_021165.1	59238274	GG	AA	AA	INTERGENIC		
SNP_31420B_59261448	Ca_Kabuli_Chr06	NC_021165.1	59261448	AA	GG	GG	INTERGENIC		
SNP_31422B_59277491	Ca_Kabuli_Chr06	NC_021165.1	59277491	GG	AA	AA	INTERGENIC		
SNP_31423B_59278292	Ca_Kabuli_Chr06	NC_021165.1	59278292	TT	GG	GG	INTERGENIC		
SNP_31424B_59329441	Ca_Kabuli_Chr06	NC_021165.1	59329441	AA	GG	GG	INTERGENIC		
SNP_31428B_59434642	Ca_Kabuli_Chr06	NC_021165.1	59434642	GG	AA	AA	INTERGENIC		
SNP_31429B_59443499	Ca_Kabuli_Chr06	NC_021165.1	59443499	TT	GG	GG	INTERGENIC		
SNP_31430B_59443512	Ca_Kabuli_Chr06	NC_021165.1	59443512	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_31431B_59443572	Ca_Kabuli_Chr06	NC_021165.1	59443572	CC	TT	TT	INTERGENIC		
SNP_31433B_59443796	Ca_Kabuli_Chr06	NC_021165.1	59443796	TT	CC	CC	INTERGENIC		
SNP_31434B_59443865	Ca_Kabuli_Chr06	NC_021165.1	59443865	TT	AA	AA	INTERGENIC		
SNP_31435B_59444298	Ca_Kabuli_Chr06	NC_021165.1	59444298	GG	CC	CC	INTERGENIC		
SNP_31436B_59444340	Ca_Kabuli_Chr06	NC_021165.1	59444340	TT	CC	CC	INTERGENIC		
SNP_31437B_59452489	Ca_Kabuli_Chr06	NC_021165.1	59452489	TT	CC	CC	INTERGENIC		
SNP_31438B_59462696	Ca_Kabuli_Chr06	NC_021165.1	59462696	GG	AA	AA	INTERGENIC		
SNP_31439B_375	Ca_Kabuli_Chr07	NC_021166.1	375	AA	GG	GG	DRR	101493020	C2 and GRAM domain-containing protein At1g03370-like
SNP_31440B_443	Ca_Kabuli_Chr07	NC_021166.1	443	AA	GG	GG	DRR	101493020	C2 and GRAM domain-containing protein At1g03370-like
SNP_31441B_449	Ca_Kabuli_Chr07	NC_021166.1	449	AA	TT	TT	DRR	101493020	C2 and GRAM domain-containing protein At1g03370-like
SNP_31442B_651	Ca_Kabuli_Chr07	NC_021166.1	651	GG	TT	TT	DRR	101493020	C2 and GRAM domain-containing protein At1g03370-like
SNP_31443B_70169	Ca_Kabuli_Chr07	NC_021166.1	70169	AA	TT	TT	INTERGENIC		
SNP_31444B_70172	Ca_Kabuli_Chr07	NC_021166.1	70172	TT	GG	GG	INTERGENIC		
SNP_31445B_137627	Ca_Kabuli_Chr07	NC_021166.1	137627	TT	AA	AA	DRR	101502906	serine/threonine-protein kinase rio1-like
SNP_31446B_177403	Ca_Kabuli_Chr07	NC_021166.1	177403	TT	AA	AA	INTERGENIC		
SNP_31447B_180384	Ca_Kabuli_Chr07	NC_021166.1	180384	CC	TT	TT	INTERGENIC		
SNP_31449B_180470	Ca_Kabuli_Chr07	NC_021166.1	180470	TT	AA	AA	INTERGENIC		
SNP_31450B_180542	Ca_Kabuli_Chr07	NC_021166.1	180542	CC	TT	TT	INTERGENIC		
SNP_31451B_180806	Ca_Kabuli_Chr07	NC_021166.1	180806	AA	GG	GG	INTERGENIC		
SNP_31452B_180882	Ca_Kabuli_Chr07	NC_021166.1	180882	TT	CC	CC	INTERGENIC		
SNP_31453B_180910	Ca_Kabuli_Chr07	NC_021166.1	180910	AA	GG	GG	INTERGENIC		
SNP_31454B_193947	Ca_Kabuli_Chr07	NC_021166.1	193947	TT	AA	AA	INTRON	101504537	glucan endo-1,3-beta-glucosidase 4-like
SNP_31455B_329132	Ca_Kabuli_Chr07	NC_021166.1	329132	CC	TT	TT	INTERGENIC		
SNP_31456B_357667	Ca_Kabuli_Chr07	NC_021166.1	357667	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_31457B_357678	Ca_Kabuli_Chr07	NC_021166.1	357678	TT	CC	CC	INTERGENIC		
SNP_31458B_357690	Ca_Kabuli_Chr07	NC_021166.1	357690	GG	AA	AA	INTERGENIC		
SNP_31459B_357764	Ca_Kabuli_Chr07	NC_021166.1	357764	TT	GG	GG	INTERGENIC		
SNP_31460B_357813	Ca_Kabuli_Chr07	NC_021166.1	357813	CC	TT	TT	INTERGENIC		
SNP_31461B_357840	Ca_Kabuli_Chr07	NC_021166.1	357840	AA	TT	TT	INTERGENIC		
SNP_31462B_496615	Ca_Kabuli_Chr07	NC_021166.1	496615	AA	TT	TT	INTERGENIC		
SNP_31463B_496705	Ca_Kabuli_Chr07	NC_021166.1	496705	TT	CC	CC	INTERGENIC		
SNP_31464B_496944	Ca_Kabuli_Chr07	NC_021166.1	496944	AA	TT	TT	INTERGENIC		
SNP_31465B_496958	Ca_Kabuli_Chr07	NC_021166.1	496958	AA	CC	CC	INTERGENIC		
SNP_31466B_498548	Ca_Kabuli_Chr07	NC_021166.1	498548	CC	TT	TT	INTERGENIC		
SNP_31467B_503257	Ca_Kabuli_Chr07	NC_021166.1	503257	CC	TT	TT	INTERGENIC		
SNP_31468B_503277	Ca_Kabuli_Chr07	NC_021166.1	503277	CC	AA	AA	INTERGENIC		
SNP_31469B_521278	Ca_Kabuli_Chr07	NC_021166.1	521278	AA	GG	GG	INTERGENIC		
SNP_31470B_542577	Ca_Kabuli_Chr07	NC_021166.1	542577	CC	AA	AA	INTERGENIC		
SNP_31471B_570669	Ca_Kabuli_Chr07	NC_021166.1	570669	AA	TT	TT	INTERGENIC		
SNP_31472B_570748	Ca_Kabuli_Chr07	NC_021166.1	570748	AA	TT	TT	INTERGENIC		
SNP_31473B_570802	Ca_Kabuli_Chr07	NC_021166.1	570802	GG	AA	AA	INTERGENIC		
SNP_31475B_585024	Ca_Kabuli_Chr07	NC_021166.1	585024	TT	AA	AA	INTERGENIC		
SNP_31477B_585071	Ca_Kabuli_Chr07	NC_021166.1	585071	GG	TT	TT	INTERGENIC		
SNP_31478B_585483	Ca_Kabuli_Chr07	NC_021166.1	585483	AA	GG	GG	INTERGENIC		
SNP_31479B_585500	Ca_Kabuli_Chr07	NC_021166.1	585500	CC	TT	TT	INTERGENIC		
SNP_31480B_585517	Ca_Kabuli_Chr07	NC_021166.1	585517	TT	CC	CC	INTERGENIC		
SNP_31481B_586413	Ca_Kabuli_Chr07	NC_021166.1	586413	TT	AA	AA	INTERGENIC		
SNP_31482B_586484	Ca_Kabuli_Chr07	NC_021166.1	586484	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_31483B_586487	Ca_Kabuli_Chr07	NC_021166.1	586487	CC	GG	GG	INTERGENIC		
SNP_31484B_586496	Ca_Kabuli_Chr07	NC_021166.1	586496	AA	GG	GG	INTERGENIC		
SNP_31485B_586900	Ca_Kabuli_Chr07	NC_021166.1	586900	TT	GG	GG	INTERGENIC		
SNP_31486B_586925	Ca_Kabuli_Chr07	NC_021166.1	586925	AA	GG	GG	INTERGENIC		
SNP_31487B_586963	Ca_Kabuli_Chr07	NC_021166.1	586963	CC	TT	TT	INTERGENIC		
SNP_31489B_599200	Ca_Kabuli_Chr07	NC_021166.1	599200	GG	AA	AA	INTERGENIC		
SNP_31490B_599240	Ca_Kabuli_Chr07	NC_021166.1	599240	AA	GG	GG	INTERGENIC		
SNP_31491B_599378	Ca_Kabuli_Chr07	NC_021166.1	599378	TT	CC	CC	INTERGENIC		
SNP_31492B_599426	Ca_Kabuli_Chr07	NC_021166.1	599426	AA	TT	TT	INTERGENIC		
SNP_31493B_599513	Ca_Kabuli_Chr07	NC_021166.1	599513	AA	GG	GG	INTERGENIC		
SNP_31494B_599531	Ca_Kabuli_Chr07	NC_021166.1	599531	GG	AA	AA	INTERGENIC		
SNP_31495B_599578	Ca_Kabuli_Chr07	NC_021166.1	599578	TT	CC	CC	INTERGENIC		
SNP_31496B_599600	Ca_Kabuli_Chr07	NC_021166.1	599600	CC	TT	TT	INTERGENIC		
SNP_31497B_599624	Ca_Kabuli_Chr07	NC_021166.1	599624	TT	CC	CC	INTERGENIC		
SNP_31499B_760433	Ca_Kabuli_Chr07	NC_021166.1	760433	TT	CC	CC	DRR	101488800	tropinone reductase-like 3
SNP_31500B_760480	Ca_Kabuli_Chr07	NC_021166.1	760480	GG	AA	AA	DRR	101488800	tropinone reductase-like 3
SNP_31501B_760488	Ca_Kabuli_Chr07	NC_021166.1	760488	TT	CC	CC	DRR	101488800	tropinone reductase-like 3
SNP_31502B_760503	Ca_Kabuli_Chr07	NC_021166.1	760503	CC	AA	AA	DRR	101488800	tropinone reductase-like 3
SNP_31503B_760528	Ca_Kabuli_Chr07	NC_021166.1	760528	TT	CC	CC	DRR	101488800	tropinone reductase-like 3
SNP_31504B_760533	Ca_Kabuli_Chr07	NC_021166.1	760533	CC	AA	AA	DRR	101488800	tropinone reductase-like 3
SNP_31505B_760557	Ca_Kabuli_Chr07	NC_021166.1	760557	CC	TT	TT	DRR	101488800	tropinone reductase-like 3
SNP_31506B_760568	Ca_Kabuli_Chr07	NC_021166.1	760568	GG	TT	TT	DRR	101488800	tropinone reductase-like 3
SNP_31507B_760705	Ca_Kabuli_Chr07	NC_021166.1	760705	CC	GG	GG	DRR	101488800	tropinone reductase-like 3
SNP_31509B_773353	Ca_Kabuli_Chr07	NC_021166.1	773353	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_31510B_773354	Ca_Kabuli_Chr07	NC_021166.1	773354	AA	TT	TT	INTERGENIC		
SNP_31512B_819068	Ca_Kabuli_Chr07	NC_021166.1	819068	TT	CC	CC	INTERGENIC		
SNP_31513B_819073	Ca_Kabuli_Chr07	NC_021166.1	819073	TT	CC	CC	INTERGENIC		
SNP_31514B_819100	Ca_Kabuli_Chr07	NC_021166.1	819100	AA	TT	TT	INTERGENIC		
SNP_31515B_819220	Ca_Kabuli_Chr07	NC_021166.1	819220	AA	CC	CC	INTERGENIC		
SNP_31516B_819261	Ca_Kabuli_Chr07	NC_021166.1	819261	GG	AA	AA	INTERGENIC		
SNP_31517B_819270	Ca_Kabuli_Chr07	NC_021166.1	819270	TT	CC	CC	INTERGENIC		
SNP_31518B_819310	Ca_Kabuli_Chr07	NC_021166.1	819310	AA	GG	GG	INTERGENIC		
SNP_31519B_819319	Ca_Kabuli_Chr07	NC_021166.1	819319	AA	TT	TT	INTERGENIC		
SNP_31520B_819325	Ca_Kabuli_Chr07	NC_021166.1	819325	AA	CC	CC	INTERGENIC		
SNP_31521B_819332	Ca_Kabuli_Chr07	NC_021166.1	819332	CC	TT	TT	INTERGENIC		
SNP_31522B_819333	Ca_Kabuli_Chr07	NC_021166.1	819333	TT	AA	AA	INTERGENIC		
SNP_31523B_819352	Ca_Kabuli_Chr07	NC_021166.1	819352	AA	GG	GG	INTERGENIC		
SNP_31524B_819367	Ca_Kabuli_Chr07	NC_021166.1	819367	GG	AA	AA	INTERGENIC		
SNP_31525B_819513	Ca_Kabuli_Chr07	NC_021166.1	819513	TT	CC	CC	INTERGENIC		
SNP_31526B_819663	Ca_Kabuli_Chr07	NC_021166.1	819663	AA	GG	GG	INTERGENIC		
SNP_31527B_819693	Ca_Kabuli_Chr07	NC_021166.1	819693	CC	TT	TT	INTERGENIC		
SNP_31528B_819694	Ca_Kabuli_Chr07	NC_021166.1	819694	GG	TT	TT	INTERGENIC		
SNP_31529B_905517	Ca_Kabuli_Chr07	NC_021166.1	905517	GG	TT	TT	INTERGENIC		
SNP_31530B_914690	Ca_Kabuli_Chr07	NC_021166.1	914690	GG	AA	AA	INTERGENIC		
SNP_31531B_1000745	Ca_Kabuli_Chr07	NC_021166.1	1000745	TT	CC	CC	URR	101499103	uncharacterized LOC101499103
SNP_31532B_1018531	Ca_Kabuli_Chr07	NC_021166.1	1018531	TT	CC	CC	URR	101499729	uncharacterized LOC101499729
SNP_31533B_1018540	Ca_Kabuli_Chr07	NC_021166.1	1018540	TT	CC	CC	URR	101499729	uncharacterized LOC101499729
SNP_31534B_1018557	Ca_Kabuli_Chr07	NC_021166.1	1018557	AA	TT	TT	URR	101499729	uncharacterized LOC101499729

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_31535B_1018676	Ca_Kabuli_Chr07	NC_021166.1	1018676	AA	GG	GG	INTERGENIC		
SNP_31537B_1018756	Ca_Kabuli_Chr07	NC_021166.1	1018756	GG	AA	AA	INTERGENIC		
SNP_31539B_1018840	Ca_Kabuli_Chr07	NC_021166.1	1018840	CC	AA	AA	INTERGENIC		
SNP_31540B_1019099	Ca_Kabuli_Chr07	NC_021166.1	1019099	TT	AA	AA	INTERGENIC		
SNP_31541B_1019156	Ca_Kabuli_Chr07	NC_021166.1	1019156	AA	GG	GG	INTERGENIC		
SNP_31542B_1019410	Ca_Kabuli_Chr07	NC_021166.1	1019410	AA	GG	GG	INTERGENIC		
SNP_31543B_1019455	Ca_Kabuli_Chr07	NC_021166.1	1019455	AA	GG	GG	INTERGENIC		
SNP_31544B_1019510	Ca_Kabuli_Chr07	NC_021166.1	1019510	AA	GG	GG	INTERGENIC		
SNP_31545B_1019698	Ca_Kabuli_Chr07	NC_021166.1	1019698	AA	GG	GG	INTERGENIC		
SNP_31546B_1019764	Ca_Kabuli_Chr07	NC_021166.1	1019764	GG	AA	AA	INTERGENIC		
SNP_31548B_1019808	Ca_Kabuli_Chr07	NC_021166.1	1019808	CC	TT	TT	INTERGENIC		
SNP_31549B_1218285	Ca_Kabuli_Chr07	NC_021166.1	1218285	TT	AA	AA	INTERGENIC		
SNP_31550B_1243444	Ca_Kabuli_Chr07	NC_021166.1	1243444	CC	TT	TT	INTERGENIC		
SNP_31551B_1244387	Ca_Kabuli_Chr07	NC_021166.1	1244387	TT	CC	CC	INTERGENIC		
SNP_31552B_1244943	Ca_Kabuli_Chr07	NC_021166.1	1244943	AA	GG	GG	INTERGENIC		
SNP_31554B_1254994	Ca_Kabuli_Chr07	NC_021166.1	1254994	TT	AA	AA	URR	101510516	protein RTF2 homolog
SNP_31555B_1255759	Ca_Kabuli_Chr07	NC_021166.1	1255759	CC	AA	AA	URR	101510516	protein RTF2 homolog
SNP_31556B_1274605	Ca_Kabuli_Chr07	NC_021166.1	1274605	GG	AA	AA	URR	101511167	transcription factor bHLH66-like
SNP_31557B_1311667	Ca_Kabuli_Chr07	NC_021166.1	1311667	GG	CC	CC	INTERGENIC		
SNP_31559B_1326843	Ca_Kabuli_Chr07	NC_021166.1	1326843	AA	GG	GG	URR	101513310	formin-like protein 13
SNP_31562B_1469760	Ca_Kabuli_Chr07	NC_021166.1	1469760	CC	TT	TT	URR	101492018	F-box protein SKIP1
SNP_31563B_1534610	Ca_Kabuli_Chr07	NC_021166.1	1534610	AA	GG	GG	INTERGENIC		
SNP_31564B_1559221	Ca_Kabuli_Chr07	NC_021166.1	1559221	TT	CC	CC	INTERGENIC		
SNP_31565B_1559222	Ca_Kabuli_Chr07	NC_021166.1	1559222	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_31567B_1748402	Ca_Kabuli_Chr07	NC_021166.1	1748402	TT	CC	CC	DRR	101503656	uncharacterized LOC101503656
SNP_31571B_2104112	Ca_Kabuli_Chr07	NC_021166.1	2104112	CC	AA	AA	INTERGENIC		
SNP_31573B_2168252	Ca_Kabuli_Chr07	NC_021166.1	2168252	AA	CC	CC	INTRON	101492799	mitochondrial outer membrane protein porin 6
SNP_31574B_2168319	Ca_Kabuli_Chr07	NC_021166.1	2168319	AA	CC	CC	INTRON	101492799	mitochondrial outer membrane protein porin 6
SNP_31575B_2168338	Ca_Kabuli_Chr07	NC_021166.1	2168338	TT	CC	CC	INTRON	101492799	mitochondrial outer membrane protein porin 6
SNP_31576B_2168507	Ca_Kabuli_Chr07	NC_021166.1	2168507	GG	AA	AA	INTRON	101492799	mitochondrial outer membrane protein porin 6
SNP_31577B_2168538	Ca_Kabuli_Chr07	NC_021166.1	2168538	CC	TT	TT	INTRON	101492799	mitochondrial outer membrane protein porin 6
SNP_31578B_2169580	Ca_Kabuli_Chr07	NC_021166.1	2169580	CC	TT	TT	INTRON	101492799	mitochondrial outer membrane protein porin 6
SNP_31579B_2169630	Ca_Kabuli_Chr07	NC_021166.1	2169630	AA	GG	GG	INTRON	101492799	mitochondrial outer membrane protein porin 6
SNP_31580B_2169661	Ca_Kabuli_Chr07	NC_021166.1	2169661	AA	CC	CC	INTRON	101492799	mitochondrial outer membrane protein porin 6
SNP_31581B_2169860	Ca_Kabuli_Chr07	NC_021166.1	2169860	CC	TT	TT	INTRON	101492799	mitochondrial outer membrane protein porin 6
SNP_31583B_2169907	Ca_Kabuli_Chr07	NC_021166.1	2169907	GG	CC	CC	INTRON	101492799	mitochondrial outer membrane protein porin 6
SNP_31584B_2169981	Ca_Kabuli_Chr07	NC_021166.1	2169981	AA	CC	CC	INTRON	101492799	mitochondrial outer membrane protein porin 6
SNP_31585B_2170031	Ca_Kabuli_Chr07	NC_021166.1	2170031	CC	TT	TT	INTRON	101492799	mitochondrial outer membrane protein porin 6
SNP_31586B_2219565	Ca_Kabuli_Chr07	NC_021166.1	2219565	CC	AA	AA	INTERGENIC		
SNP_31587B_2316573	Ca_Kabuli_Chr07	NC_021166.1	2316573	TT	CC	CC	DRR	101497890	replication protein A 32 kDa subunit B
SNP_31588B_2327126	Ca_Kabuli_Chr07	NC_021166.1	2327126	CC	TT	TT	INTERGENIC		
SNP_31589B_2327154	Ca_Kabuli_Chr07	NC_021166.1	2327154	TT	CC	CC	INTERGENIC		
SNP_31590B_2426591	Ca_Kabuli_Chr07	NC_021166.1	2426591	AA	CC	CC	INTERGENIC		
SNP_31592B_2595101	Ca_Kabuli_Chr07	NC_021166.1	2595101	GG	AA	AA	INTERGENIC		
SNP_31593B_2596215	Ca_Kabuli_Chr07	NC_021166.1	2596215	AA	GG	GG	INTERGENIC		
SNP_31594B_2615425	Ca_Kabuli_Chr07	NC_021166.1	2615425	GG	CC	CC	DRR	101509982	mannosyl-oligosaccharide 1,2-alpha-mannosidase MNS1-like
SNP_31597B_3046598	Ca_Kabuli_Chr07	NC_021166.1	3046598	AA	CC	CC	URR	101501732	mitogen-activated protein kinase kinase 2
SNP_31599B_3138969	Ca_Kabuli_Chr07	NC_021166.1	3138969	CC	TT	TT	URR	101506035	protein ELF4-LIKE 4-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_31600B_3248343	Ca_Kabuli_Chr07	NC_021166.1	3248343	GG	TT	TT	INTERGENIC		
SNP_31601B_3248513	Ca_Kabuli_Chr07	NC_021166.1	3248513	AA	TT	TT	INTERGENIC		
SNP_31603B_3326784	Ca_Kabuli_Chr07	NC_021166.1	3326784	TT	CC	CC	INTERGENIC		
SNP_31604B_3346233	Ca_Kabuli_Chr07	NC_021166.1	3346233	GG	AA	AA	INTERGENIC		
SNP_31606B_3404164	Ca_Kabuli_Chr07	NC_021166.1	3404164	GG	TT	TT	URR	101492021	21 kDa protein-like
SNP_31607B_3447698	Ca_Kabuli_Chr07	NC_021166.1	3447698	GG	CC	CC	INTERGENIC		
SNP_31608B_3448446	Ca_Kabuli_Chr07	NC_021166.1	3448446	GG	CC	CC	INTERGENIC		
SNP_31609B_3495705	Ca_Kabuli_Chr07	NC_021166.1	3495705	CC	TT	TT	INTERGENIC		
SNP_31610B_3500950	Ca_Kabuli_Chr07	NC_021166.1	3500950	TT	CC	CC	INTERGENIC		
SNP_31611B_3503495	Ca_Kabuli_Chr07	NC_021166.1	3503495	CC	AA	AA	DRR	101495046	kinesin-like protein NACK2
SNP_31612B_3503896	Ca_Kabuli_Chr07	NC_021166.1	3503896	TT	CC	CC	DRR	101495046	kinesin-like protein NACK2
SNP_31613B_3504847	Ca_Kabuli_Chr07	NC_021166.1	3504847	GG	AA	AA	INTRON	101495046	kinesin-like protein NACK2
SNP_31614B_3504900	Ca_Kabuli_Chr07	NC_021166.1	3504900	GG	AA	AA	INTRON	101495046	kinesin-like protein NACK2
SNP_31615B_3510726	Ca_Kabuli_Chr07	NC_021166.1	3510726	GG	AA	AA	SYNONYMOUS_CODING	101495046	kinesin-like protein NACK2
SNP_31616B_3511771	Ca_Kabuli_Chr07	NC_021166.1	3511771	GG	TT	TT	DRR	101495592	eukaryotic translation initiation factor 3 subunit K
SNP_31618B_3514518	Ca_Kabuli_Chr07	NC_021166.1	3514518	TT	GG	GG	INTERGENIC		
SNP_31619B_3517375	Ca_Kabuli_Chr07	NC_021166.1	3517375	TT	CC	CC	INTERGENIC		
SNP_31620B_3517436	Ca_Kabuli_Chr07	NC_021166.1	3517436	TT	CC	CC	INTERGENIC		
SNP_31621B_3519471	Ca_Kabuli_Chr07	NC_021166.1	3519471	AA	TT	TT	INTERGENIC		
SNP_31622B_3519746	Ca_Kabuli_Chr07	NC_021166.1	3519746	AA	GG	GG	INTERGENIC		
SNP_31623B_3523887	Ca_Kabuli_Chr07	NC_021166.1	3523887	AA	GG	GG	INTRON	101495920	phosphoinositide phosphatase SAC3
SNP_31624B_3530094	Ca_Kabuli_Chr07	NC_021166.1	3530094	TT	AA	AA	INTERGENIC		
SNP_31625B_3531024	Ca_Kabuli_Chr07	NC_021166.1	3531024	GG	AA	AA	INTERGENIC		
SNP_31626B_3536946	Ca_Kabuli_Chr07	NC_021166.1	3536946	TT	CC	CC	INTRON	101496465	uncharacterized LOC101496465

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_31627B_3539189	Ca_Kabuli_Chr07	NC_021166.1	3539189	CC	GG	GG	URR	101496465	uncharacterized LOC101496465
SNP_31628B_3539438	Ca_Kabuli_Chr07	NC_021166.1	3539438	AA	GG	GG	DRR	101496798	uncharacterized LOC101496798
SNP_31629B_3539481	Ca_Kabuli_Chr07	NC_021166.1	3539481	AA	TT	TT	DRR	101496798	uncharacterized LOC101496798
SNP_31630B_3539489	Ca_Kabuli_Chr07	NC_021166.1	3539489	GG	AA	AA	DRR	101496798	uncharacterized LOC101496798
SNP_31631B_3539492	Ca_Kabuli_Chr07	NC_021166.1	3539492	GG	AA	AA	DRR	101496798	uncharacterized LOC101496798
SNP_31632B_3539513	Ca_Kabuli_Chr07	NC_021166.1	3539513	TT	CC	CC	DRR	101496798	uncharacterized LOC101496798
SNP_31633B_3539775	Ca_Kabuli_Chr07	NC_021166.1	3539775	AA	GG	GG	DRR	101496798	uncharacterized LOC101496798
SNP_31634B_3539778	Ca_Kabuli_Chr07	NC_021166.1	3539778	AA	TT	TT	DRR	101496798	uncharacterized LOC101496798
SNP_31635B_3540114	Ca_Kabuli_Chr07	NC_021166.1	3540114	GG	TT	TT	DRR	101496798	uncharacterized LOC101496798
SNP_31636B_3540743	Ca_Kabuli_Chr07	NC_021166.1	3540743	TT	AA	AA	URR	101496465	uncharacterized LOC101496465
SNP_31637B_3540918	Ca_Kabuli_Chr07	NC_021166.1	3540918	AA	CC	CC	URR	101496465	uncharacterized LOC101496465
SNP_31638B_3542393	Ca_Kabuli_Chr07	NC_021166.1	3542393	GG	TT	TT	INTRON	101496798	uncharacterized LOC101496798
SNP_31639B_3547074	Ca_Kabuli_Chr07	NC_021166.1	3547074	GG	AA	AA	INTERGENIC		
SNP_31640B_3550546	Ca_Kabuli_Chr07	NC_021166.1	3550546	AA	CC	CC	INTERGENIC		
SNP_31641B_3550584	Ca_Kabuli_Chr07	NC_021166.1	3550584	CC	TT	TT	INTERGENIC		
SNP_31642B_3551856	Ca_Kabuli_Chr07	NC_021166.1	3551856	CC	TT	TT	INTERGENIC		
SNP_31643B_3551878	Ca_Kabuli_Chr07	NC_021166.1	3551878	AA	TT	TT	INTERGENIC		
SNP_31644B_3551911	Ca_Kabuli_Chr07	NC_021166.1	3551911	CC	TT	TT	INTERGENIC		
SNP_31645B_3566132	Ca_Kabuli_Chr07	NC_021166.1	3566132	TT	GG	GG	URR	101497117	1-phosphatidylinositol-3-phosphate 5-kinase FAB1A
SNP_31646B_3577144	Ca_Kabuli_Chr07	NC_021166.1	3577144	CC	GG	GG	INTRON	101498656	conserved oligomeric Golgi complex subunit 3
SNP_31647B_3580090	Ca_Kabuli_Chr07	NC_021166.1	3580090	CC	TT	TT	INTRON	101498656	conserved oligomeric Golgi complex subunit 3
SNP_31649B_3589129	Ca_Kabuli_Chr07	NC_021166.1	3589129	TT	CC	CC	INTERGENIC		
SNP_31650B_3590196	Ca_Kabuli_Chr07	NC_021166.1	3590196	TT	GG	GG	DRR	101498982	DNA repair protein RAD51 homolog 1
SNP_31651B_3590713	Ca_Kabuli_Chr07	NC_021166.1	3590713	AA	CC	CC	DRR	101498982	DNA repair protein RAD51 homolog 1

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_31652B_3594282	Ca_Kabuli_Chr07	NC_021166.1	3594282	TT	CC	CC	INTERGENIC		
SNP_31653B_3599379	Ca_Kabuli_Chr07	NC_021166.1	3599379	TT	CC	CC	URR	101499304	putative pectinesterase/pectinesterase inhibitor 45
SNP_31654B_3599709	Ca_Kabuli_Chr07	NC_021166.1	3599709	AA	CC	CC	URR	101499304	putative pectinesterase/pectinesterase inhibitor 45
SNP_31655B_3600016	Ca_Kabuli_Chr07	NC_021166.1	3600016	TT	AA	AA	URR	101499304	putative pectinesterase/pectinesterase inhibitor 45
SNP_31656B_3601804	Ca_Kabuli_Chr07	NC_021166.1	3601804	GG	AA	AA	URR	101499619	probable pectinesterase/pectinesterase inhibitor 12
SNP_31657B_3601818	Ca_Kabuli_Chr07	NC_021166.1	3601818	GG	AA	AA	URR	101499619	probable pectinesterase/pectinesterase inhibitor 12
SNP_31658B_3601870	Ca_Kabuli_Chr07	NC_021166.1	3601870	TT	AA	AA	URR	101499619	probable pectinesterase/pectinesterase inhibitor 12
SNP_31659B_3608131	Ca_Kabuli_Chr07	NC_021166.1	3608131	TT	AA	AA	URR	101499927	pectinesterase/pectinesterase inhibitor PPE8B
SNP_31662B_3608522	Ca_Kabuli_Chr07	NC_021166.1	3608522	GG	CC	CC	URR	101499927	pectinesterase/pectinesterase inhibitor PPE8B
SNP_31663B_3608546	Ca_Kabuli_Chr07	NC_021166.1	3608546	CC	TT	TT	URR	101499927	pectinesterase/pectinesterase inhibitor PPE8B
SNP_31664B_3611942	Ca_Kabuli_Chr07	NC_021166.1	3611942	TT	CC	CC	INTERGENIC		
SNP_31665B_3612205	Ca_Kabuli_Chr07	NC_021166.1	3612205	AA	GG	GG	INTERGENIC		
SNP_31667B_3612954	Ca_Kabuli_Chr07	NC_021166.1	3612954	AA	GG	GG	INTERGENIC		
SNP_31669B_3613014	Ca_Kabuli_Chr07	NC_021166.1	3613014	GG	CC	CC	INTERGENIC		
SNP_31671B_3613300	Ca_Kabuli_Chr07	NC_021166.1	3613300	TT	AA	AA	INTERGENIC		
SNP_31672B_3615240	Ca_Kabuli_Chr07	NC_021166.1	3615240	AA	GG	GG	INTERGENIC		
SNP_31673B_3615304	Ca_Kabuli_Chr07	NC_021166.1	3615304	AA	CC	CC	INTERGENIC		
SNP_31674B_3615378	Ca_Kabuli_Chr07	NC_021166.1	3615378	CC	AA	AA	INTERGENIC		
SNP_31675B_3615574	Ca_Kabuli_Chr07	NC_021166.1	3615574	TT	AA	AA	INTERGENIC		
SNP_31676B_3615632	Ca_Kabuli_Chr07	NC_021166.1	3615632	AA	GG	GG	INTERGENIC		
SNP_31677B_3615642	Ca_Kabuli_Chr07	NC_021166.1	3615642	TT	CC	CC	INTERGENIC		
SNP_31678B_3615938	Ca_Kabuli_Chr07	NC_021166.1	3615938	AA	GG	GG	INTERGENIC		
SNP_31679B_3616131	Ca_Kabuli_Chr07	NC_021166.1	3616131	CC	TT	TT	INTERGENIC		
SNP_31680B_3616145	Ca_Kabuli_Chr07	NC_021166.1	3616145	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_31681B_3616275	Ca_Kabuli_Chr07	NC_021166.1	3616275	CC	TT	TT	INTERGENIC		
SNP_31682B_3616415	Ca_Kabuli_Chr07	NC_021166.1	3616415	CC	GG	GG	INTERGENIC		
SNP_31683B_3617367	Ca_Kabuli_Chr07	NC_021166.1	3617367	AA	TT	TT	INTERGENIC		
SNP_31684B_3618166	Ca_Kabuli_Chr07	NC_021166.1	3618166	TT	CC	CC	INTERGENIC		
SNP_31685B_3618170	Ca_Kabuli_Chr07	NC_021166.1	3618170	GG	AA	AA	INTERGENIC		
SNP_31686B_3618242	Ca_Kabuli_Chr07	NC_021166.1	3618242	TT	CC	CC	INTERGENIC		
SNP_31687B_3618278	Ca_Kabuli_Chr07	NC_021166.1	3618278	TT	CC	CC	INTERGENIC		
SNP_31688B_3618310	Ca_Kabuli_Chr07	NC_021166.1	3618310	GG	AA	AA	INTERGENIC		
SNP_31689B_3620593	Ca_Kabuli_Chr07	NC_021166.1	3620593	AA	CC	CC	INTERGENIC		
SNP_31690B_3621274	Ca_Kabuli_Chr07	NC_021166.1	3621274	TT	CC	CC	INTERGENIC		
SNP_31691B_3621482	Ca_Kabuli_Chr07	NC_021166.1	3621482	CC	AA	AA	INTERGENIC		
SNP_31692B_3621529	Ca_Kabuli_Chr07	NC_021166.1	3621529	CC	TT	TT	INTERGENIC		
SNP_31693B_3631107	Ca_Kabuli_Chr07	NC_021166.1	3631107	CC	GG	GG	INTRON	101500267	alpha-aminoadipic semialdehyde synthase
SNP_31694B_3631945	Ca_Kabuli_Chr07	NC_021166.1	3631945	GG	AA	AA	INTRON	101500267	alpha-aminoadipic semialdehyde synthase
SNP_31695B_3635713	Ca_Kabuli_Chr07	NC_021166.1	3635713	GG	TT	TT	INTERGENIC		
SNP_31696B_3638391	Ca_Kabuli_Chr07	NC_021166.1	3638391	TT	CC	CC	DRR	101500584	uncharacterized LOC101500584
SNP_31697B_3640541	Ca_Kabuli_Chr07	NC_021166.1	3640541	TT	AA	AA	INTERGENIC		
SNP_31698B_3641534	Ca_Kabuli_Chr07	NC_021166.1	3641534	TT	AA	AA	INTERGENIC		
SNP_31699B_3648183	Ca_Kabuli_Chr07	NC_021166.1	3648183	TT	CC	CC	DRR	101501224	brefeldin A-inhibited guanine nucleotide-exchange protein 5
SNP_31700B_3648184	Ca_Kabuli_Chr07	NC_021166.1	3648184	GG	AA	AA	DRR	101501224	brefeldin A-inhibited guanine nucleotide-exchange protein 5
SNP_31702B_3652753	Ca_Kabuli_Chr07	NC_021166.1	3652753	GG	AA	AA	SYNONYMOUS_CODING	101501224	brefeldin A-inhibited guanine nucleotide-exchange protein 5
SNP_31704B_3655278	Ca_Kabuli_Chr07	NC_021166.1	3655278	GG	TT	TT	INTRON	101501224	brefeldin A-inhibited guanine nucleotide-exchange protein 5
SNP_31705B_3655304	Ca_Kabuli_Chr07	NC_021166.1	3655304	TT	CC	CC	INTRON	101501224	brefeldin A-inhibited guanine nucleotide-exchange protein 5
SNP_31706B_3658356	Ca_Kabuli_Chr07	NC_021166.1	3658356	TT	AA	AA	INTRON	101501224	brefeldin A-inhibited guanine nucleotide-exchange protein 5

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_31707B_3665915	Ca_Kabuli_Chr07	NC_021166.1	3665915	CC	AA	AA	INTERGENIC		
SNP_31709B_3669315	Ca_Kabuli_Chr07	NC_021166.1	3669315	TT	CC	CC	DRR	101501536	RING-H2 zinc finger protein RHA4a
SNP_31710B_3674133	Ca_Kabuli_Chr07	NC_021166.1	3674133	TT	CC	CC	INTRON	101501853	hepatocyte growth factor-regulated tyrosine kinase substrate
SNP_31711B_3675615	Ca_Kabuli_Chr07	NC_021166.1	3675615	GG	AA	AA	INTRON	101501853	hepatocyte growth factor-regulated tyrosine kinase substrate
SNP_31712B_3679084	Ca_Kabuli_Chr07	NC_021166.1	3679084	GG	AA	AA	DRR	101502388	protein TIFY 3B
SNP_31713B_3679217	Ca_Kabuli_Chr07	NC_021166.1	3679217	TT	CC	CC	DRR	101502388	protein TIFY 3B
SNP_31715B_3687028	Ca_Kabuli_Chr07	NC_021166.1	3687028	AA	GG	GG	INTERGENIC		
SNP_31716B_3689581	Ca_Kabuli_Chr07	NC_021166.1	3689581	CC	AA	AA	DRR	101502693	protein FATTY ACID EXPORT 2, chloroplastic
SNP_31718B_3690098	Ca_Kabuli_Chr07	NC_021166.1	3690098	CC	AA	AA	INTERGENIC		
SNP_31719B_3690114	Ca_Kabuli_Chr07	NC_021166.1	3690114	GG	TT	TT	INTERGENIC		
SNP_31720B_3690142	Ca_Kabuli_Chr07	NC_021166.1	3690142	TT	CC	CC	INTERGENIC		
SNP_31721B_3691425	Ca_Kabuli_Chr07	NC_021166.1	3691425	AA	TT	TT	INTERGENIC		
SNP_31722B_3691426	Ca_Kabuli_Chr07	NC_021166.1	3691426	TT	GG	GG	INTERGENIC		
SNP_31723B_3691441	Ca_Kabuli_Chr07	NC_021166.1	3691441	CC	TT	TT	INTERGENIC		
SNP_31724B_3691470	Ca_Kabuli_Chr07	NC_021166.1	3691470	GG	TT	TT	INTERGENIC		
SNP_31725B_3694084	Ca_Kabuli_Chr07	NC_021166.1	3694084	TT	AA	AA	URR	101502693	protein FATTY ACID EXPORT 2, chloroplastic
SNP_31726B_3721492	Ca_Kabuli_Chr07	NC_021166.1	3721492	TT	CC	CC	URR	101503657	cyprosin-like
SNP_31727B_3721866	Ca_Kabuli_Chr07	NC_021166.1	3721866	AA	GG	GG	URR	101503657	cyprosin-like
SNP_31729B_3779212	Ca_Kabuli_Chr07	NC_021166.1	3779212	TT	AA	AA	URR	101510636	uncharacterized LOC101510636
SNP_31730B_3779213	Ca_Kabuli_Chr07	NC_021166.1	3779213	TT	AA	AA	URR	101510636	uncharacterized LOC101510636
SNP_31732B_4012081	Ca_Kabuli_Chr07	NC_021166.1	4012081	GG	CC	CC	DRR	101488675	uncharacterized LOC101488675
SNP_31733B_4026427	Ca_Kabuli_Chr07	NC_021166.1	4026427	CC	TT	TT	INTRON	101488675	uncharacterized LOC101488675
SNP_31734B_4091585	Ca_Kabuli_Chr07	NC_021166.1	4091585	TT	CC	CC	URR	101512248	uncharacterized LOC101512248
SNP_31735B_4109085	Ca_Kabuli_Chr07	NC_021166.1	4109085	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_31736B_4109087	Ca_Kabuli_Chr07	NC_021166.1	4109087	AA	CC	CC	INTERGENIC		
SNP_31739B_4412835	Ca_Kabuli_Chr07	NC_021166.1	4412835	TT	CC	CC	INTERGENIC		
SNP_31740B_4417786	Ca_Kabuli_Chr07	NC_021166.1	4417786	AA	GG	GG	INTERGENIC		
SNP_31741B_4417809	Ca_Kabuli_Chr07	NC_021166.1	4417809	AA	GG	GG	INTERGENIC		
SNP_31742B_4417932	Ca_Kabuli_Chr07	NC_021166.1	4417932	GG	CC	CC	INTERGENIC		
SNP_31743B_4417940	Ca_Kabuli_Chr07	NC_021166.1	4417940	CC	TT	TT	INTERGENIC		
SNP_31744B_4418072	Ca_Kabuli_Chr07	NC_021166.1	4418072	AA	GG	GG	INTERGENIC		
SNP_31745B_4418083	Ca_Kabuli_Chr07	NC_021166.1	4418083	TT	AA	AA	INTERGENIC		
SNP_31746B_4418090	Ca_Kabuli_Chr07	NC_021166.1	4418090	AA	GG	GG	INTERGENIC		
SNP_31747B_4418103	Ca_Kabuli_Chr07	NC_021166.1	4418103	AA	CC	CC	INTERGENIC		
SNP_31749B_4501678	Ca_Kabuli_Chr07	NC_021166.1	4501678	CC	TT	TT	NON_SYNONYMOUS_CODING	101506560	serine/threonine-protein phosphatase 4 regulatory subunit 3-like
SNP_31750B_4559876	Ca_Kabuli_Chr07	NC_021166.1	4559876	TT	CC	CC	NON_SYNONYMOUS_CODING	101508075	calmodulin-binding transcription activator 5-like
SNP_31752B_4564019	Ca_Kabuli_Chr07	NC_021166.1	4564019	CC	TT	TT	DRR	101508595	acetate/butyrate--CoA ligase AAE7, peroxisomal
SNP_31753B_4606218	Ca_Kabuli_Chr07	NC_021166.1	4606218	CC	AA	AA	INTERGENIC		
SNP_31754B_4664419	Ca_Kabuli_Chr07	NC_021166.1	4664419	TT	AA	AA	INTERGENIC		
SNP_31758B_4915246	Ca_Kabuli_Chr07	NC_021166.1	4915246	TT	GG	GG	INTERGENIC		
SNP_31759B_4924418	Ca_Kabuli_Chr07	NC_021166.1	4924418	GG	AA	AA	INTERGENIC		
SNP_31760B_4925338	Ca_Kabuli_Chr07	NC_021166.1	4925338	TT	CC	CC	INTERGENIC		
SNP_31761B_4927408	Ca_Kabuli_Chr07	NC_021166.1	4927408	AA	GG	GG	DRR	101497788	putative F-box protein At1g67623
SNP_31762B_4973142	Ca_Kabuli_Chr07	NC_021166.1	4973142	TT	CC	CC	INTERGENIC		
SNP_31763B_5009451	Ca_Kabuli_Chr07	NC_021166.1	5009451	CC	TT	TT	INTERGENIC		
SNP_31764B_5010230	Ca_Kabuli_Chr07	NC_021166.1	5010230	AA	GG	GG	INTERGENIC		
SNP_31765B_5010265	Ca_Kabuli_Chr07	NC_021166.1	5010265	AA	GG	GG	INTERGENIC		
SNP_31769B_5081665	Ca_Kabuli_Chr07	NC_021166.1	5081665	AA	GG	GG	URR	101493459	uncharacterized LOC101493459

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_31770B_5084834	Ca_Kabuli_Chr07	NC_021166.1	5084834	TT	AA	AA	INTERGENIC		
SNP_31771B_5089820	Ca_Kabuli_Chr07	NC_021166.1	5089820	TT	CC	CC	INTERGENIC		
SNP_31772B_5118909	Ca_Kabuli_Chr07	NC_021166.1	5118909	AA	CC	CC	INTERGENIC		
SNP_31773B_5121743	Ca_Kabuli_Chr07	NC_021166.1	5121743	GG	CC	CC	INTRON	101494104	superoxide dismutase [Fe], chloroplastic
SNP_31774B_5132923	Ca_Kabuli_Chr07	NC_021166.1	5132923	CC	AA	AA	INTERGENIC		
SNP_31775B_5143462	Ca_Kabuli_Chr07	NC_021166.1	5143462	AA	TT	TT	INTERGENIC		
SNP_31776B_5143656	Ca_Kabuli_Chr07	NC_021166.1	5143656	CC	TT	TT	INTERGENIC		
SNP_31777B_5150004	Ca_Kabuli_Chr07	NC_021166.1	5150004	GG	TT	TT	INTERGENIC		
SNP_31778B_5169193	Ca_Kabuli_Chr07	NC_021166.1	5169193	CC	TT	TT	INTERGENIC		
SNP_31779B_5169223	Ca_Kabuli_Chr07	NC_021166.1	5169223	TT	CC	CC	INTERGENIC		
SNP_31780B_5193628	Ca_Kabuli_Chr07	NC_021166.1	5193628	TT	AA	AA	INTERGENIC		
SNP_31781B_5193634	Ca_Kabuli_Chr07	NC_021166.1	5193634	GG	TT	TT	INTERGENIC		
SNP_31782B_5193713	Ca_Kabuli_Chr07	NC_021166.1	5193713	CC	TT	TT	INTERGENIC		
SNP_31783B_5265319	Ca_Kabuli_Chr07	NC_021166.1	5265319	GG	AA	AA	INTERGENIC		
SNP_31784B_5266392	Ca_Kabuli_Chr07	NC_021166.1	5266392	TT	AA	AA	INTERGENIC		
SNP_31785B_5273381	Ca_Kabuli_Chr07	NC_021166.1	5273381	CC	TT	TT	URR	101496363	COMPASS-like H3K4 histone methylase component WDR5A
SNP_31786B_5387691	Ca_Kabuli_Chr07	NC_021166.1	5387691	GG	AA	AA	DRR	101501735	acyl-CoA-binding domain-containing protein 4-like
SNP_31789B_5389039	Ca_Kabuli_Chr07	NC_021166.1	5389039	TT	AA	AA	INTRON	101501735	acyl-CoA-binding domain-containing protein 4-like
SNP_31790B_5389048	Ca_Kabuli_Chr07	NC_021166.1	5389048	CC	TT	TT	INTRON	101501735	acyl-CoA-binding domain-containing protein 4-like
SNP_31791B_5391915	Ca_Kabuli_Chr07	NC_021166.1	5391915	GG	TT	TT	INTERGENIC		
SNP_31792B_5391921	Ca_Kabuli_Chr07	NC_021166.1	5391921	CC	AA	AA	INTERGENIC		
SNP_31794B_5402423	Ca_Kabuli_Chr07	NC_021166.1	5402423	TT	GG	GG	URR	101502063	acyl-CoA-binding domain-containing protein 4-like
SNP_31795B_5402472	Ca_Kabuli_Chr07	NC_021166.1	5402472	AA	GG	GG	URR	101502063	acyl-CoA-binding domain-containing protein 4-like
SNP_31797B_5407336	Ca_Kabuli_Chr07	NC_021166.1	5407336	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_31798B_5407381	Ca_Kabuli_Chr07	NC_021166.1	5407381	TT	CC	CC	INTERGENIC		
SNP_31800B_5409908	Ca_Kabuli_Chr07	NC_021166.1	5409908	CC	GG	GG	INTERGENIC		
SNP_31801B_5409917	Ca_Kabuli_Chr07	NC_021166.1	5409917	TT	CC	CC	INTERGENIC		
SNP_31802B_5411259	Ca_Kabuli_Chr07	NC_021166.1	5411259	GG	TT	TT	NON_SYNONYMOUS_CODING	101503330	monothiol glutaredoxin-S2-like
SNP_31803B_5411467	Ca_Kabuli_Chr07	NC_021166.1	5411467	GG	CC	CC	INTERGENIC		
SNP_31804B_5411482	Ca_Kabuli_Chr07	NC_021166.1	5411482	CC	TT	TT	INTERGENIC		
SNP_31805B_5411511	Ca_Kabuli_Chr07	NC_021166.1	5411511	GG	AA	AA	INTERGENIC		
SNP_31806B_5411522	Ca_Kabuli_Chr07	NC_021166.1	5411522	TT	CC	CC	INTERGENIC		
SNP_31807B_5411539	Ca_Kabuli_Chr07	NC_021166.1	5411539	GG	AA	AA	INTERGENIC		
SNP_31808B_5411582	Ca_Kabuli_Chr07	NC_021166.1	5411582	AA	GG	GG	INTERGENIC		
SNP_31809B_5413820	Ca_Kabuli_Chr07	NC_021166.1	5413820	AA	TT	TT	DRR	101503660	serine/threonine-protein kinase CDL1-like
SNP_31810B_5413833	Ca_Kabuli_Chr07	NC_021166.1	5413833	AA	TT	TT	DRR	101503660	serine/threonine-protein kinase CDL1-like
SNP_31812B_5415011	Ca_Kabuli_Chr07	NC_021166.1	5415011	GG	AA	AA	INTERGENIC		
SNP_31813B_5415045	Ca_Kabuli_Chr07	NC_021166.1	5415045	AA	GG	GG	INTERGENIC		
SNP_31815B_5429350	Ca_Kabuli_Chr07	NC_021166.1	5429350	AA	GG	GG	URR	101504208	putative chromatin-remodeling complex ATPase chain
SNP_31817B_5434164	Ca_Kabuli_Chr07	NC_021166.1	5434164	AA	TT	TT	INTERGENIC		
SNP_31818B_5434838	Ca_Kabuli_Chr07	NC_021166.1	5434838	AA	GG	GG	INTERGENIC		
SNP_31819B_5436418	Ca_Kabuli_Chr07	NC_021166.1	5436418	CC	TT	TT	INTRON	101504955	uncharacterized LOC101504955
SNP_31820B_5438232	Ca_Kabuli_Chr07	NC_021166.1	5438232	AA	GG	GG	URR	101504955	uncharacterized LOC101504955
SNP_31821B_5443283	Ca_Kabuli_Chr07	NC_021166.1	5443283	TT	GG	GG	INTERGENIC		
SNP_31822B_5443286	Ca_Kabuli_Chr07	NC_021166.1	5443286	AA	TT	TT	INTERGENIC		
SNP_31823B_5443295	Ca_Kabuli_Chr07	NC_021166.1	5443295	AA	GG	GG	INTERGENIC		
SNP_31824B_5443300	Ca_Kabuli_Chr07	NC_021166.1	5443300	AA	GG	GG	INTERGENIC		
SNP_31825B_5443657	Ca_Kabuli_Chr07	NC_021166.1	5443657	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_31827B_5443854	Ca_Kabuli_Chr07	NC_021166.1	5443854	CC	AA	AA	INTERGENIC		
SNP_31828B_5445027	Ca_Kabuli_Chr07	NC_021166.1	5445027	GG	AA	AA	DRR	101505266	uncharacterized LOC101505266
SNP_31829B_5445065	Ca_Kabuli_Chr07	NC_021166.1	5445065	CC	TT	TT	DRR	101505266	uncharacterized LOC101505266
SNP_31830B_5445208	Ca_Kabuli_Chr07	NC_021166.1	5445208	TT	CC	CC	DRR	101505266	uncharacterized LOC101505266
SNP_31831B_5456793	Ca_Kabuli_Chr07	NC_021166.1	5456793	TT	AA	AA	INTRON	101492256	CASP-like protein 1E1
SNP_31833B_5463069	Ca_Kabuli_Chr07	NC_021166.1	5463069	CC	TT	TT	INTERGENIC		
SNP_31834B_5467645	Ca_Kabuli_Chr07	NC_021166.1	5467645	GG	AA	AA	INTERGENIC		
SNP_31835B_5468726	Ca_Kabuli_Chr07	NC_021166.1	5468726	TT	GG	GG	URR	101505918	uncharacterized LOC101505918
SNP_31836B_5468795	Ca_Kabuli_Chr07	NC_021166.1	5468795	CC	AA	AA	URR	101505918	uncharacterized LOC101505918
SNP_31837B_5474783	Ca_Kabuli_Chr07	NC_021166.1	5474783	CC	TT	TT	INTERGENIC		
SNP_31840B_5483902	Ca_Kabuli_Chr07	NC_021166.1	5483902	GG	AA	AA	INTERGENIC		
SNP_31841B_5484183	Ca_Kabuli_Chr07	NC_021166.1	5484183	AA	GG	GG	INTERGENIC		
SNP_31842B_5484559	Ca_Kabuli_Chr07	NC_021166.1	5484559	GG	TT	TT	INTERGENIC		
SNP_31843B_5486738	Ca_Kabuli_Chr07	NC_021166.1	5486738	GG	AA	AA	DRR	101507128	acyl carrier protein 1, chloroplastic-like
SNP_31844B_5486757	Ca_Kabuli_Chr07	NC_021166.1	5486757	AA	GG	GG	DRR	101507128	acyl carrier protein 1, chloroplastic-like
SNP_31845B_5486760	Ca_Kabuli_Chr07	NC_021166.1	5486760	TT	GG	GG	DRR	101507128	acyl carrier protein 1, chloroplastic-like
SNP_31847B_5488883	Ca_Kabuli_Chr07	NC_021166.1	5488883	TT	CC	CC	INTRON	id159557	Unknown function
SNP_31848B_5488942	Ca_Kabuli_Chr07	NC_021166.1	5488942	GG	AA	AA	INTRON	id159557	Unknown function
SNP_31849B_5506116	Ca_Kabuli_Chr07	NC_021166.1	5506116	CC	TT	TT	INTRON	101507449	chromatin structure-remodeling complex protein SYD
SNP_31850B_5511182	Ca_Kabuli_Chr07	NC_021166.1	5511182	AA	TT	TT	NON_SYNONYMOUS_CODING	101507449	chromatin structure-remodeling complex protein SYD
SNP_31852B_5513976	Ca_Kabuli_Chr07	NC_021166.1	5513976	AA	GG	GG	DRR	101507959	pentatricopeptide repeat-containing protein At2g36980, mitochondrial
SNP_31853B_5514148	Ca_Kabuli_Chr07	NC_021166.1	5514148	AA	GG	GG	DRR	101507959	pentatricopeptide repeat-containing protein At2g36980, mitochondrial
SNP_31854B_5514149	Ca_Kabuli_Chr07	NC_021166.1	5514149	GG	TT	TT	DRR	101507959	pentatricopeptide repeat-containing protein At2g36980, mitochondrial
SNP_31855B_5514185	Ca_Kabuli_Chr07	NC_021166.1	5514185	TT	GG	GG	DRR	101507959	pentatricopeptide repeat-containing protein At2g36980, mitochondrial

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_31856B_5514243	Ca_Kabuli_Chr07	NC_021166.1	5514243	CC	TT	TT	DRR	101507959	pentatricopeptide repeat-containing protein At2g36980, mitochondrial
SNP_31857B_5514256	Ca_Kabuli_Chr07	NC_021166.1	5514256	AA	GG	GG	DRR	101507959	pentatricopeptide repeat-containing protein At2g36980, mitochondrial
SNP_31858B_5516515	Ca_Kabuli_Chr07	NC_021166.1	5516515	TT	AA	AA	INTERGENIC		
SNP_31859B_5517552	Ca_Kabuli_Chr07	NC_021166.1	5517552	TT	CC	CC	URR	101507959	pentatricopeptide repeat-containing protein At2g36980, mitochondrial
SNP_31860B_5517554	Ca_Kabuli_Chr07	NC_021166.1	5517554	TT	CC	CC	URR	101507959	pentatricopeptide repeat-containing protein At2g36980, mitochondrial
SNP_31861B_5517585	Ca_Kabuli_Chr07	NC_021166.1	5517585	AA	GG	GG	URR	101507959	pentatricopeptide repeat-containing protein At2g36980, mitochondrial
SNP_31862B_5529729	Ca_Kabuli_Chr07	NC_021166.1	5529729	AA	GG	GG	INTERGENIC		
SNP_31863B_5532922	Ca_Kabuli_Chr07	NC_021166.1	5532922	AA	TT	TT	URR	101509339	probable 1-deoxy-D-xylulose-5-phosphate synthase, chloroplastic
SNP_31864B_5537851	Ca_Kabuli_Chr07	NC_021166.1	5537851	GG	CC	CC	INTERGENIC		
SNP_31865B_5537880	Ca_Kabuli_Chr07	NC_021166.1	5537880	GG	TT	TT	INTERGENIC		
SNP_31866B_5541062	Ca_Kabuli_Chr07	NC_021166.1	5541062	GG	CC	CC	DRR	101510416	sugar transporter ERD6-like 16
SNP_31867B_5543691	Ca_Kabuli_Chr07	NC_021166.1	5543691	GG	TT	TT	INTRON	101510416	sugar transporter ERD6-like 16
SNP_31868B_5543692	Ca_Kabuli_Chr07	NC_021166.1	5543692	TT	AA	AA	INTRON	101510416	sugar transporter ERD6-like 16
SNP_31869B_5545450	Ca_Kabuli_Chr07	NC_021166.1	5545450	TT	AA	AA	INTERGENIC		
SNP_31870B_5549428	Ca_Kabuli_Chr07	NC_021166.1	5549428	CC	TT	TT	URR	101510745	uncharacterized LOC101510745
SNP_31871B_5555089	Ca_Kabuli_Chr07	NC_021166.1	5555089	GG	AA	AA	INTRON	101511066	uncharacterized LOC101511066
SNP_31872B_5556885	Ca_Kabuli_Chr07	NC_021166.1	5556885	CC	TT	TT	INTRON	101511066	uncharacterized LOC101511066
SNP_31873B_5558303	Ca_Kabuli_Chr07	NC_021166.1	5558303	TT	GG	GG	INTERGENIC		
SNP_31874B_5562180	Ca_Kabuli_Chr07	NC_021166.1	5562180	GG	TT	TT	DRR	101511375	probable prolyl 4-hydroxylase 4
SNP_31875B_5562446	Ca_Kabuli_Chr07	NC_021166.1	5562446	GG	AA	AA	DRR	101511375	probable prolyl 4-hydroxylase 4
SNP_31877B_5567558	Ca_Kabuli_Chr07	NC_021166.1	5567558	GG	AA	AA	URR	101511375	probable prolyl 4-hydroxylase 4
SNP_31878B_5567949	Ca_Kabuli_Chr07	NC_021166.1	5567949	GG	CC	CC	URR	101511375	probable prolyl 4-hydroxylase 4
SNP_31880B_5572439	Ca_Kabuli_Chr07	NC_021166.1	5572439	TT	CC	CC	URR	101511706	uncharacterized protein At4g15545-like
SNP_31881B_5572667	Ca_Kabuli_Chr07	NC_021166.1	5572667	GG	CC	CC	URR	101511706	uncharacterized protein At4g15545-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_31883B_5579013	Ca_Kabuli_Chr07	NC_021166.1	5579013	AA	CC	CC	URR	101512024	uncharacterized LOC101512024
SNP_31884B_5579652	Ca_Kabuli_Chr07	NC_021166.1	5579652	AA	GG	GG	DRR	101512348	uncharacterized LOC101512348
SNP_31885B_5579837	Ca_Kabuli_Chr07	NC_021166.1	5579837	AA	GG	GG	DRR	101512348	uncharacterized LOC101512348
SNP_31886B_5614372	Ca_Kabuli_Chr07	NC_021166.1	5614372	CC	TT	TT	INTERGENIC		
SNP_31887B_5626057	Ca_Kabuli_Chr07	NC_021166.1	5626057	AA	CC	CC	INTRON	101515477	AP-5 complex subunit mu
SNP_31888B_5626314	Ca_Kabuli_Chr07	NC_021166.1	5626314	AA	GG	GG	INTRON	101515477	AP-5 complex subunit mu
SNP_31889B_5628101	Ca_Kabuli_Chr07	NC_021166.1	5628101	AA	TT	TT	URR	101515477	AP-5 complex subunit mu
SNP_31890B_5628123	Ca_Kabuli_Chr07	NC_021166.1	5628123	CC	TT	TT	URR	101515477	AP-5 complex subunit mu
SNP_31891B_5628132	Ca_Kabuli_Chr07	NC_021166.1	5628132	AA	TT	TT	URR	101515477	AP-5 complex subunit mu
SNP_31892B_5628156	Ca_Kabuli_Chr07	NC_021166.1	5628156	AA	TT	TT	URR	101515477	AP-5 complex subunit mu
SNP_31894B_5629464	Ca_Kabuli_Chr07	NC_021166.1	5629464	AA	CC	CC	DRR	101488806	scopoletin glucosyltransferase
SNP_31895B_5633053	Ca_Kabuli_Chr07	NC_021166.1	5633053	AA	GG	GG	DRR	101489132	trihelix transcription factor ASIL1-like
SNP_31897B_5648170	Ca_Kabuli_Chr07	NC_021166.1	5648170	AA	GG	GG	INTERGENIC		
SNP_31898B_5648227	Ca_Kabuli_Chr07	NC_021166.1	5648227	GG	AA	AA	INTERGENIC		
SNP_31899B_5649888	Ca_Kabuli_Chr07	NC_021166.1	5649888	TT	AA	AA	INTERGENIC		
SNP_31900B_5649934	Ca_Kabuli_Chr07	NC_021166.1	5649934	CC	AA	AA	INTERGENIC		
SNP_31902B_5658617	Ca_Kabuli_Chr07	NC_021166.1	5658617	TT	AA	AA	URR	101489782	scopoletin glucosyltransferase
SNP_31903B_5659097	Ca_Kabuli_Chr07	NC_021166.1	5659097	GG	AA	AA	URR	101489782	scopoletin glucosyltransferase
SNP_31904B_5661927	Ca_Kabuli_Chr07	NC_021166.1	5661927	AA	GG	GG	INTERGENIC		
SNP_31905B_5661942	Ca_Kabuli_Chr07	NC_021166.1	5661942	CC	TT	TT	INTERGENIC		
SNP_31906B_5662312	Ca_Kabuli_Chr07	NC_021166.1	5662312	CC	TT	TT	INTERGENIC		
SNP_31907B_5662414	Ca_Kabuli_Chr07	NC_021166.1	5662414	CC	TT	TT	INTERGENIC		
SNP_31908B_5662417	Ca_Kabuli_Chr07	NC_021166.1	5662417	GG	CC	CC	INTERGENIC		
SNP_31909B_5663271	Ca_Kabuli_Chr07	NC_021166.1	5663271	GG	TT	TT	DRR	101489464	UDP-glucose flavonoid 3-O-glucosyltransferase 7

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_31911B_5663335	Ca_Kabuli_Chr07	NC_021166.1	5663335	CC	AA	AA	DRR	101489464	UDP-glucose flavonoid 3-O-glucosyltransferase 7
SNP_31912B_5663337	Ca_Kabuli_Chr07	NC_021166.1	5663337	CC	AA	AA	DRR	101489464	UDP-glucose flavonoid 3-O-glucosyltransferase 7
SNP_31913B_5663340	Ca_Kabuli_Chr07	NC_021166.1	5663340	GG	AA	AA	DRR	101489464	UDP-glucose flavonoid 3-O-glucosyltransferase 7
SNP_31914B_5663384	Ca_Kabuli_Chr07	NC_021166.1	5663384	CC	TT	TT	DRR	101489464	UDP-glucose flavonoid 3-O-glucosyltransferase 7
SNP_31915B_5666593	Ca_Kabuli_Chr07	NC_021166.1	5666593	AA	GG	GG	URR	101489464	UDP-glucose flavonoid 3-O-glucosyltransferase 7
SNP_31916B_5666705	Ca_Kabuli_Chr07	NC_021166.1	5666705	TT	CC	CC	URR	101489464	UDP-glucose flavonoid 3-O-glucosyltransferase 7
SNP_31917B_5666810	Ca_Kabuli_Chr07	NC_021166.1	5666810	AA	CC	CC	URR	101489464	UDP-glucose flavonoid 3-O-glucosyltransferase 7
SNP_31918B_5667013	Ca_Kabuli_Chr07	NC_021166.1	5667013	GG	AA	AA	URR	101489464	UDP-glucose flavonoid 3-O-glucosyltransferase 7
SNP_31919B_5672612	Ca_Kabuli_Chr07	NC_021166.1	5672612	AA	GG	GG	DRR	101490428	F-box/kelch-repeat protein At3g23880-like
SNP_31920B_5672782	Ca_Kabuli_Chr07	NC_021166.1	5672782	CC	GG	GG	DRR	101490428	F-box/kelch-repeat protein At3g23880-like
SNP_31921B_5685270	Ca_Kabuli_Chr07	NC_021166.1	5685270	GG	AA	AA	URR	101490748	RNA polymerase I-specific transcription initiation factor RRN3-like
SNP_31923B_5689280	Ca_Kabuli_Chr07	NC_021166.1	5689280	TT	CC	CC	URR	101491487	primary amine oxidase-like
SNP_31924B_5689391	Ca_Kabuli_Chr07	NC_021166.1	5689391	CC	TT	TT	URR	101491487	primary amine oxidase-like
SNP_31925B_5689417	Ca_Kabuli_Chr07	NC_021166.1	5689417	CC	TT	TT	URR	101491487	primary amine oxidase-like
SNP_31926B_5692148	Ca_Kabuli_Chr07	NC_021166.1	5692148	AA	GG	GG	INTERGENIC		
SNP_31928B_5695638	Ca_Kabuli_Chr07	NC_021166.1	5695638	TT	CC	CC	INTERGENIC		
SNP_31929B_5695644	Ca_Kabuli_Chr07	NC_021166.1	5695644	AA	GG	GG	INTERGENIC		
SNP_31930B_5695647	Ca_Kabuli_Chr07	NC_021166.1	5695647	CC	TT	TT	INTERGENIC		
SNP_31931B_5696141	Ca_Kabuli_Chr07	NC_021166.1	5696141	CC	TT	TT	INTERGENIC		
SNP_31932B_5697070	Ca_Kabuli_Chr07	NC_021166.1	5697070	AA	GG	GG	INTERGENIC		
SNP_31933B_5697330	Ca_Kabuli_Chr07	NC_021166.1	5697330	TT	GG	GG	INTERGENIC		
SNP_31935B_5697480	Ca_Kabuli_Chr07	NC_021166.1	5697480	TT	CC	CC	INTERGENIC		
SNP_31936B_5699934	Ca_Kabuli_Chr07	NC_021166.1	5699934	GG	AA	AA	INTERGENIC		
SNP_31937B_5703985	Ca_Kabuli_Chr07	NC_021166.1	5703985	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_31939B_5713977	Ca_Kabuli_Chr07	NC_021166.1	5713977	TT	CC	CC	URR	101491799	primary amine oxidase-like
SNP_31941B_5717141	Ca_Kabuli_Chr07	NC_021166.1	5717141	CC	TT	TT	INTERGENIC		
SNP_31942B_5717158	Ca_Kabuli_Chr07	NC_021166.1	5717158	GG	AA	AA	INTERGENIC		
SNP_31944B_5717240	Ca_Kabuli_Chr07	NC_021166.1	5717240	CC	TT	TT	INTERGENIC		
SNP_31945B_5717373	Ca_Kabuli_Chr07	NC_021166.1	5717373	CC	AA	AA	INTERGENIC		
SNP_31947B_5719640	Ca_Kabuli_Chr07	NC_021166.1	5719640	AA	CC	CC	START_GAINED	101492469	uncharacterized LOC101492469
SNP_31949B_5723107	Ca_Kabuli_Chr07	NC_021166.1	5723107	CC	TT	TT	INTRON	101492469	uncharacterized LOC101492469
SNP_31950B_5723992	Ca_Kabuli_Chr07	NC_021166.1	5723992	CC	GG	GG	INTRON	101492469	uncharacterized LOC101492469
SNP_31951B_5734720	Ca_Kabuli_Chr07	NC_021166.1	5734720	TT	CC	CC	INTERGENIC		
SNP_31952B_5741175	Ca_Kabuli_Chr07	NC_021166.1	5741175	CC	TT	TT	URR	101493026	mitogen-activated protein kinase 15-like
SNP_31953B_5745152	Ca_Kabuli_Chr07	NC_021166.1	5745152	AA	GG	GG	INTERGENIC		
SNP_31954B_5745302	Ca_Kabuli_Chr07	NC_021166.1	5745302	TT	GG	GG	INTERGENIC		
SNP_31955B_5745308	Ca_Kabuli_Chr07	NC_021166.1	5745308	CC	TT	TT	INTERGENIC		
SNP_31956B_5745329	Ca_Kabuli_Chr07	NC_021166.1	5745329	AA	TT	TT	INTERGENIC		
SNP_31957B_5745451	Ca_Kabuli_Chr07	NC_021166.1	5745451	GG	AA	AA	INTERGENIC		
SNP_31958B_5745481	Ca_Kabuli_Chr07	NC_021166.1	5745481	GG	TT	TT	INTERGENIC		
SNP_31959B_5745520	Ca_Kabuli_Chr07	NC_021166.1	5745520	TT	AA	AA	INTERGENIC		
SNP_31960B_5745538	Ca_Kabuli_Chr07	NC_021166.1	5745538	AA	GG	GG	INTERGENIC		
SNP_31961B_5745569	Ca_Kabuli_Chr07	NC_021166.1	5745569	CC	TT	TT	INTERGENIC		
SNP_31963B_5745587	Ca_Kabuli_Chr07	NC_021166.1	5745587	TT	CC	CC	INTERGENIC		
SNP_31964B_5745589	Ca_Kabuli_Chr07	NC_021166.1	5745589	GG	AA	AA	INTERGENIC		
SNP_31965B_5745594	Ca_Kabuli_Chr07	NC_021166.1	5745594	TT	AA	AA	INTERGENIC		
SNP_31966B_5757339	Ca_Kabuli_Chr07	NC_021166.1	5757339	CC	GG	GG	INTRON	101493569	endo-1,3;1,4-beta-D-glucanase
SNP_31967B_5761360	Ca_Kabuli_Chr07	NC_021166.1	5761360	AA	CC	CC	INTRON	101493569	endo-1,3;1,4-beta-D-glucanase

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_31968B_5764117	Ca_Kabuli_Chr07	NC_021166.1	5764117	CC	TT	TT	INTRON	101493569	endo-1,3;1,4-beta-D-glucanase
SNP_31969B_5764138	Ca_Kabuli_Chr07	NC_021166.1	5764138	TT	GG	GG	INTRON	101493569	endo-1,3;1,4-beta-D-glucanase
SNP_31970B_5764141	Ca_Kabuli_Chr07	NC_021166.1	5764141	CC	TT	TT	INTRON	101493569	endo-1,3;1,4-beta-D-glucanase
SNP_31971B_5773123	Ca_Kabuli_Chr07	NC_021166.1	5773123	AA	GG	GG	INTRON	101495167	endo-1,3;1,4-beta-D-glucanase-like
SNP_31972B_5773348	Ca_Kabuli_Chr07	NC_021166.1	5773348	AA	TT	TT	SYNONYMOUS_CODING	101495167	endo-1,3;1,4-beta-D-glucanase-like
SNP_31973B_5779307	Ca_Kabuli_Chr07	NC_021166.1	5779307	GG	AA	AA	INTRON	101495492	ribonucleoside-diphosphate reductase small chain A
SNP_31974B_5779321	Ca_Kabuli_Chr07	NC_021166.1	5779321	GG	TT	TT	INTRON	101495492	ribonucleoside-diphosphate reductase small chain A
SNP_31975B_5779507	Ca_Kabuli_Chr07	NC_021166.1	5779507	GG	TT	TT	INTRON	101495492	ribonucleoside-diphosphate reductase small chain A
SNP_31976B_5787042	Ca_Kabuli_Chr07	NC_021166.1	5787042	GG	CC	CC	INTERGENIC		
SNP_31978B_5787087	Ca_Kabuli_Chr07	NC_021166.1	5787087	AA	GG	GG	INTERGENIC		
SNP_31979B_5787188	Ca_Kabuli_Chr07	NC_021166.1	5787188	AA	CC	CC	INTERGENIC		
SNP_31980B_5787860	Ca_Kabuli_Chr07	NC_021166.1	5787860	AA	CC	CC	INTERGENIC		
SNP_31981B_5791113	Ca_Kabuli_Chr07	NC_021166.1	5791113	TT	AA	AA	INTERGENIC		
SNP_31983B_5794361	Ca_Kabuli_Chr07	NC_021166.1	5794361	AA	GG	GG	SYNONYMOUS_CODING	101495819	DUF21 domain-containing protein At4g14240-like
SNP_31984B_5798670	Ca_Kabuli_Chr07	NC_021166.1	5798670	GG	AA	AA	URR	101495819	DUF21 domain-containing protein At4g14240-like
SNP_31986B_5803735	Ca_Kabuli_Chr07	NC_021166.1	5803735	TT	AA	AA	URR	101496584	glycine-rich RNA-binding protein 4, mitochondrial
SNP_31987B_5817761	Ca_Kabuli_Chr07	NC_021166.1	5817761	CC	TT	TT	INTERGENIC		
SNP_31988B_5817780	Ca_Kabuli_Chr07	NC_021166.1	5817780	CC	TT	TT	INTERGENIC		
SNP_31989B_5817804	Ca_Kabuli_Chr07	NC_021166.1	5817804	AA	GG	GG	INTERGENIC		
SNP_31990B_5818391	Ca_Kabuli_Chr07	NC_021166.1	5818391	AA	GG	GG	INTERGENIC		
SNP_31991B_5818407	Ca_Kabuli_Chr07	NC_021166.1	5818407	GG	CC	CC	INTERGENIC		
SNP_31992B_5818416	Ca_Kabuli_Chr07	NC_021166.1	5818416	TT	CC	CC	INTERGENIC		
SNP_31993B_5818450	Ca_Kabuli_Chr07	NC_021166.1	5818450	GG	AA	AA	INTERGENIC		
SNP_31994B_5820738	Ca_Kabuli_Chr07	NC_021166.1	5820738	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_31995B_5821923	Ca_Kabuli_Chr07	NC_021166.1	5821923	AA	CC	CC	INTERGENIC		
SNP_31996B_5822257	Ca_Kabuli_Chr07	NC_021166.1	5822257	TT	AA	AA	INTERGENIC		
SNP_31997B_5827537	Ca_Kabuli_Chr07	NC_021166.1	5827537	GG	AA	AA	INTERGENIC		
SNP_31998B_5827729	Ca_Kabuli_Chr07	NC_021166.1	5827729	AA	TT	TT	INTERGENIC		
SNP_31999B_5827967	Ca_Kabuli_Chr07	NC_021166.1	5827967	TT	CC	CC	INTERGENIC		
SNP_32000B_5828022	Ca_Kabuli_Chr07	NC_021166.1	5828022	TT	CC	CC	INTERGENIC		
SNP_32001B_5828025	Ca_Kabuli_Chr07	NC_021166.1	5828025	CC	TT	TT	INTERGENIC		
SNP_32002B_5828027	Ca_Kabuli_Chr07	NC_021166.1	5828027	AA	TT	TT	INTERGENIC		
SNP_32003B_5828040	Ca_Kabuli_Chr07	NC_021166.1	5828040	TT	CC	CC	INTERGENIC		
SNP_32004B_5828045	Ca_Kabuli_Chr07	NC_021166.1	5828045	CC	TT	TT	INTERGENIC		
SNP_32005B_5828200	Ca_Kabuli_Chr07	NC_021166.1	5828200	AA	TT	TT	INTERGENIC		
SNP_32006B_5828245	Ca_Kabuli_Chr07	NC_021166.1	5828245	CC	AA	AA	INTERGENIC		
SNP_32007B_5836787	Ca_Kabuli_Chr07	NC_021166.1	5836787	CC	AA	AA	URR	101497232	UPF0613 protein PB24D3.06c
SNP_32008B_5836796	Ca_Kabuli_Chr07	NC_021166.1	5836796	CC	GG	GG	URR	101497232	UPF0613 protein PB24D3.06c
SNP_32009B_5836819	Ca_Kabuli_Chr07	NC_021166.1	5836819	CC	TT	TT	URR	101497232	UPF0613 protein PB24D3.06c
SNP_32010B_5836849	Ca_Kabuli_Chr07	NC_021166.1	5836849	GG	AA	AA	URR	101497232	UPF0613 protein PB24D3.06c
SNP_32011B_5838151	Ca_Kabuli_Chr07	NC_021166.1	5838151	CC	TT	TT	URR	101497232	UPF0613 protein PB24D3.06c
SNP_32012B_5838917	Ca_Kabuli_Chr07	NC_021166.1	5838917	TT	CC	CC	DRR	101497658	uncharacterized LOC101497658
SNP_32013B_5841649	Ca_Kabuli_Chr07	NC_021166.1	5841649	TT	GG	GG	INTERGENIC		
SNP_32014B_5841650	Ca_Kabuli_Chr07	NC_021166.1	5841650	TT	CC	CC	INTERGENIC		
SNP_32015B_5841763	Ca_Kabuli_Chr07	NC_021166.1	5841763	TT	CC	CC	INTERGENIC		
SNP_32017B_5842781	Ca_Kabuli_Chr07	NC_021166.1	5842781	AA	CC	CC	URR	101497658	uncharacterized LOC101497658
SNP_32018B_5842819	Ca_Kabuli_Chr07	NC_021166.1	5842819	GG	TT	TT	URR	101497658	uncharacterized LOC101497658
SNP_32019B_5842823	Ca_Kabuli_Chr07	NC_021166.1	5842823	GG	AA	AA	URR	101497658	uncharacterized LOC101497658

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SNP_32020B_5843231	Ca_Kabuli_Chr07	NC_021166.1	5843231	GG	AA	AA	URR	101497658	uncharacterized LOC101497658
SNP_32022B_5843968	Ca_Kabuli_Chr07	NC_021166.1	5843968	CC	TT	TT	DRR	101497990	transmembrane protein 64
SNP_32023B_5852297	Ca_Kabuli_Chr07	NC_021166.1	5852297	AA	GG	GG	URR	101498543	uncharacterized LOC101498543
SNP_32024B_5853254	Ca_Kabuli_Chr07	NC_021166.1	5853254	CC	GG	GG	INTERGENIC		
SNP_32025B_5858345	Ca_Kabuli_Chr07	NC_021166.1	5858345	AA	GG	GG	INTERGENIC		
SNP_32026B_5865548	Ca_Kabuli_Chr07	NC_021166.1	5865548	AA	CC	CC	INTRON	101499203	myb-like protein AA
SNP_32028B_5868737	Ca_Kabuli_Chr07	NC_021166.1	5868737	AA	CC	CC	URR	101499203	myb-like protein AA
SNP_32029B_5869444	Ca_Kabuli_Chr07	NC_021166.1	5869444	AA	TT	TT	INTERGENIC		
SNP_32030B_5869445	Ca_Kabuli_Chr07	NC_021166.1	5869445	TT	GG	GG	INTERGENIC		
SNP_32031B_5869459	Ca_Kabuli_Chr07	NC_021166.1	5869459	AA	GG	GG	INTERGENIC		
SNP_32032B_5869692	Ca_Kabuli_Chr07	NC_021166.1	5869692	AA	TT	TT	INTERGENIC		
SNP_32033B_5872363	Ca_Kabuli_Chr07	NC_021166.1	5872363	TT	AA	AA	INTERGENIC		
SNP_32034B_5872376	Ca_Kabuli_Chr07	NC_021166.1	5872376	AA	TT	TT	INTERGENIC		
SNP_32035B_5872380	Ca_Kabuli_Chr07	NC_021166.1	5872380	TT	CC	CC	INTERGENIC		
SNP_32036B_5873153	Ca_Kabuli_Chr07	NC_021166.1	5873153	TT	CC	CC	INTERGENIC		
SNP_32038B_5875001	Ca_Kabuli_Chr07	NC_021166.1	5875001	AA	TT	TT	INTERGENIC		
SNP_32039B_5875004	Ca_Kabuli_Chr07	NC_021166.1	5875004	CC	GG	GG	INTERGENIC		
SNP_32040B_5875012	Ca_Kabuli_Chr07	NC_021166.1	5875012	AA	GG	GG	INTERGENIC		
SNP_32041B_5878099	Ca_Kabuli_Chr07	NC_021166.1	5878099	TT	AA	AA	INTERGENIC		
SNP_32042B_5878102	Ca_Kabuli_Chr07	NC_021166.1	5878102	TT	CC	CC	INTERGENIC		
SNP_32043B_5883991	Ca_Kabuli_Chr07	NC_021166.1	5883991	AA	GG	GG	INTRON	101499521	dual specificity protein phosphatase 1
SNP_32045B_5884725	Ca_Kabuli_Chr07	NC_021166.1	5884725	AA	GG	GG	URR	101499521	dual specificity protein phosphatase 1
SNP_32047B_5886692	Ca_Kabuli_Chr07	NC_021166.1	5886692	AA	TT	TT	DRR	101500045	basic 7S globulin-like
SNP_32048B_5887011	Ca_Kabuli_Chr07	NC_021166.1	5887011	AA	TT	TT	DRR	101500045	basic 7S globulin-like

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SNP_32049B_5889486	Ca_Kabuli_Chr07	NC_021166.1	5889486	TT	CC	CC	URR	101500045	basic 7S globulin-like
SNP_32050B_5889770	Ca_Kabuli_Chr07	NC_021166.1	5889770	TT	AA	AA	URR	101500045	basic 7S globulin-like
SNP_32051B_5890074	Ca_Kabuli_Chr07	NC_021166.1	5890074	TT	AA	AA	URR	101500045	basic 7S globulin-like
SNP_32052B_5890998	Ca_Kabuli_Chr07	NC_021166.1	5890998	CC	AA	AA	URR	101500045	basic 7S globulin-like
SNP_32053B_5894384	Ca_Kabuli_Chr07	NC_021166.1	5894384	GG	TT	TT	INTERGENIC		
SNP_32054B_5894385	Ca_Kabuli_Chr07	NC_021166.1	5894385	CC	TT	TT	INTERGENIC		
SNP_32055B_5894405	Ca_Kabuli_Chr07	NC_021166.1	5894405	CC	TT	TT	INTERGENIC		
SNP_32057B_5894515	Ca_Kabuli_Chr07	NC_021166.1	5894515	TT	CC	CC	INTERGENIC		
SNP_32058B_5896900	Ca_Kabuli_Chr07	NC_021166.1	5896900	TT	AA	AA	INTERGENIC		
SNP_32059B_5896923	Ca_Kabuli_Chr07	NC_021166.1	5896923	CC	TT	TT	INTERGENIC		
SNP_32060B_5896925	Ca_Kabuli_Chr07	NC_021166.1	5896925	CC	AA	AA	INTERGENIC		
SNP_32062B_5899676	Ca_Kabuli_Chr07	NC_021166.1	5899676	CC	GG	GG	INTERGENIC		
SNP_32063B_5899978	Ca_Kabuli_Chr07	NC_021166.1	5899978	AA	GG	GG	INTERGENIC		
SNP_32064B_5899982	Ca_Kabuli_Chr07	NC_021166.1	5899982	AA	GG	GG	INTERGENIC		
SNP_32065B_5900195	Ca_Kabuli_Chr07	NC_021166.1	5900195	AA	GG	GG	INTERGENIC		
SNP_32066B_5902676	Ca_Kabuli_Chr07	NC_021166.1	5902676	AA	TT	TT	INTERGENIC		
SNP_32067B_5902697	Ca_Kabuli_Chr07	NC_021166.1	5902697	TT	AA	AA	INTERGENIC		
SNP_32068B_5909050	Ca_Kabuli_Chr07	NC_021166.1	5909050	GG	AA	AA	URR	101500379	stem-specific protein TSJT1
SNP_32069B_5910175	Ca_Kabuli_Chr07	NC_021166.1	5910175	AA	CC	CC	DRR	101500690	cysteine-rich receptor-like protein kinase 25
SNP_32070B_5917537	Ca_Kabuli_Chr07	NC_021166.1	5917537	TT	AA	AA	INTERGENIC		
SNP_32071B_5917575	Ca_Kabuli_Chr07	NC_021166.1	5917575	AA	GG	GG	INTERGENIC		
SNP_32072B_5917583	Ca_Kabuli_Chr07	NC_021166.1	5917583	TT	CC	CC	INTERGENIC		
SNP_32073B_5919518	Ca_Kabuli_Chr07	NC_021166.1	5919518	TT	AA	AA	URR	101501002	chitotriosidase-1-like
SNP_32074B_5935998	Ca_Kabuli_Chr07	NC_021166.1	5935998	AA	GG	GG	INTERGENIC		

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SNP_32075B_5936000	Ca_Kabuli_Chr07	NC_021166.1	5936000	GG	TT	TT	INTERGENIC		
SNP_32076B_5936328	Ca_Kabuli_Chr07	NC_021166.1	5936328	TT	CC	CC	INTERGENIC		
SNP_32078B_5937052	Ca_Kabuli_Chr07	NC_021166.1	5937052	AA	CC	CC	INTERGENIC		
SNP_32079B_5937073	Ca_Kabuli_Chr07	NC_021166.1	5937073	CC	TT	TT	INTERGENIC		
SNP_32080B_5937075	Ca_Kabuli_Chr07	NC_021166.1	5937075	AA	GG	GG	INTERGENIC		
SNP_32081B_5937078	Ca_Kabuli_Chr07	NC_021166.1	5937078	CC	TT	TT	INTERGENIC		
SNP_32082B_5937134	Ca_Kabuli_Chr07	NC_021166.1	5937134	TT	CC	CC	INTERGENIC		
SNP_32083B_5937140	Ca_Kabuli_Chr07	NC_021166.1	5937140	AA	CC	CC	INTERGENIC		
SNP_32084B_5938600	Ca_Kabuli_Chr07	NC_021166.1	5938600	AA	GG	GG	INTERGENIC		
SNP_32085B_5938605	Ca_Kabuli_Chr07	NC_021166.1	5938605	GG	AA	AA	INTERGENIC		
SNP_32086B_5942139	Ca_Kabuli_Chr07	NC_021166.1	5942139	TT	AA	AA	INTERGENIC		
SNP_32087B_5942361	Ca_Kabuli_Chr07	NC_021166.1	5942361	TT	CC	CC	INTERGENIC		
SNP_32088B_5942418	Ca_Kabuli_Chr07	NC_021166.1	5942418	TT	CC	CC	INTERGENIC		
SNP_32089B_5945649	Ca_Kabuli_Chr07	NC_021166.1	5945649	TT	CC	CC	URR	101502177	WD repeat-containing protein 76
SNP_32091B_5953828	Ca_Kabuli_Chr07	NC_021166.1	5953828	TT	GG	GG	INTRON	101502793	dicer-like protein 4
SNP_32092B_5956317	Ca_Kabuli_Chr07	NC_021166.1	5956317	CC	GG	GG	INTRON	101502793	dicer-like protein 4
SNP_32093B_5960035	Ca_Kabuli_Chr07	NC_021166.1	5960035	CC	AA	AA	INTRON	101502793	dicer-like protein 4
SNP_32094B_5960041	Ca_Kabuli_Chr07	NC_021166.1	5960041	CC	TT	TT	INTRON	101502793	dicer-like protein 4
SNP_32095B_5960334	Ca_Kabuli_Chr07	NC_021166.1	5960334	AA	GG	GG	INTRON	101502793	dicer-like protein 4
SNP_32096B_5960368	Ca_Kabuli_Chr07	NC_021166.1	5960368	CC	TT	TT	INTRON	101502793	dicer-like protein 4
SNP_32097B_5960379	Ca_Kabuli_Chr07	NC_021166.1	5960379	CC	TT	TT	INTRON	101502793	dicer-like protein 4
SNP_32098B_5976864	Ca_Kabuli_Chr07	NC_021166.1	5976864	AA	GG	GG	URR	101502793	dicer-like protein 4
SNP_32099B_5977296	Ca_Kabuli_Chr07	NC_021166.1	5977296	AA	GG	GG	INTERGENIC		
SNP_32100B_5977316	Ca_Kabuli_Chr07	NC_021166.1	5977316	CC	TT	TT	INTERGENIC		

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SNP_32101B_5977327	Ca_Kabuli_Chr07	NC_021166.1	5977327	GG	AA	AA	INTERGENIC		
SNP_32102B_5979273	Ca_Kabuli_Chr07	NC_021166.1	5979273	CC	AA	AA	INTERGENIC		
SNP_32103B_5980482	Ca_Kabuli_Chr07	NC_021166.1	5980482	CC	AA	AA	INTRON	101503113	protein ENHANCED DISEASE RESISTANCE 2
SNP_32104B_5983847	Ca_Kabuli_Chr07	NC_021166.1	5983847	GG	AA	AA	INTRON	101503113	protein ENHANCED DISEASE RESISTANCE 2
SNP_32105B_5984079	Ca_Kabuli_Chr07	NC_021166.1	5984079	AA	GG	GG	INTRON	101503113	protein ENHANCED DISEASE RESISTANCE 2
SNP_32106B_5987333	Ca_Kabuli_Chr07	NC_021166.1	5987333	TT	GG	GG	INTRON	101503113	protein ENHANCED DISEASE RESISTANCE 2
SNP_32107B_5987366	Ca_Kabuli_Chr07	NC_021166.1	5987366	TT	AA	AA	INTRON	101503113	protein ENHANCED DISEASE RESISTANCE 2
SNP_32108B_5989143	Ca_Kabuli_Chr07	NC_021166.1	5989143	CC	TT	TT	INTRON	101503113	protein ENHANCED DISEASE RESISTANCE 2
SNP_32109B_5991110	Ca_Kabuli_Chr07	NC_021166.1	5991110	AA	GG	GG	INTRON	101503113	protein ENHANCED DISEASE RESISTANCE 2
SNP_32110B_5994279	Ca_Kabuli_Chr07	NC_021166.1	5994279	GG	AA	AA	INTRON	101503113	protein ENHANCED DISEASE RESISTANCE 2
SNP_32111B_5995646	Ca_Kabuli_Chr07	NC_021166.1	5995646	TT	GG	GG	URR	101503113	protein ENHANCED DISEASE RESISTANCE 2
SNP_32112B_5998419	Ca_Kabuli_Chr07	NC_021166.1	5998419	CC	AA	AA	INTERGENIC		
SNP_32113B_5998659	Ca_Kabuli_Chr07	NC_021166.1	5998659	AA	GG	GG	INTERGENIC		
SNP_32114B_5998673	Ca_Kabuli_Chr07	NC_021166.1	5998673	TT	CC	CC	INTERGENIC		
SNP_32115B_5998726	Ca_Kabuli_Chr07	NC_021166.1	5998726	TT	CC	CC	INTERGENIC		
SNP_32116B_5998952	Ca_Kabuli_Chr07	NC_021166.1	5998952	TT	CC	CC	DRR	101492921	uncharacterized LOC101492921
SNP_32117B_6002624	Ca_Kabuli_Chr07	NC_021166.1	6002624	CC	GG	GG	URR	101492921	uncharacterized LOC101492921
SNP_32119B_6002893	Ca_Kabuli_Chr07	NC_021166.1	6002893	TT	CC	CC	INTERGENIC		
SNP_32120B_6006398	Ca_Kabuli_Chr07	NC_021166.1	6006398	TT	CC	CC	INTERGENIC		
SNP_32121B_6006890	Ca_Kabuli_Chr07	NC_021166.1	6006890	AA	CC	CC	DRR	101503439	uncharacterized LOC101503439
SNP_32122B_6007237	Ca_Kabuli_Chr07	NC_021166.1	6007237	TT	CC	CC	DRR	101503439	uncharacterized LOC101503439
SNP_32123B_6008953	Ca_Kabuli_Chr07	NC_021166.1	6008953	CC	AA	AA	DRR	101503779	sugar transport protein 7-like
SNP_32124B_6009671	Ca_Kabuli_Chr07	NC_021166.1	6009671	AA	TT	TT	DRR	101503779	sugar transport protein 7-like
SNP_32125B_6015478	Ca_Kabuli_Chr07	NC_021166.1	6015478	CC	TT	TT	URR	101503779	sugar transport protein 7-like

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SNP_32126B_6015503	Ca_Kabuli_Chr07	NC_021166.1	6015503	CC	TT	TT	URR	101503779	sugar transport protein 7-like
SNP_32127B_6015737	Ca_Kabuli_Chr07	NC_021166.1	6015737	AA	GG	GG	URR	101503779	sugar transport protein 7-like
SNP_32128B_6017113	Ca_Kabuli_Chr07	NC_021166.1	6017113	TT	CC	CC	INTERGENIC		
SNP_32129B_6017123	Ca_Kabuli_Chr07	NC_021166.1	6017123	TT	CC	CC	INTERGENIC		
SNP_32130B_6017165	Ca_Kabuli_Chr07	NC_021166.1	6017165	GG	AA	AA	INTERGENIC		
SNP_32132B_6017557	Ca_Kabuli_Chr07	NC_021166.1	6017557	CC	TT	TT	INTERGENIC		
SNP_32133B_6020598	Ca_Kabuli_Chr07	NC_021166.1	6020598	CC	AA	AA	INTERGENIC		
SNP_32134B_6020601	Ca_Kabuli_Chr07	NC_021166.1	6020601	GG	AA	AA	INTERGENIC		
SNP_32135B_6020609	Ca_Kabuli_Chr07	NC_021166.1	6020609	GG	AA	AA	INTERGENIC		
SNP_32136B_6022262	Ca_Kabuli_Chr07	NC_021166.1	6022262	GG	AA	AA	INTERGENIC		
SNP_32137B_6022282	Ca_Kabuli_Chr07	NC_021166.1	6022282	TT	CC	CC	INTERGENIC		
SNP_32138B_6024972	Ca_Kabuli_Chr07	NC_021166.1	6024972	TT	GG	GG	INTERGENIC		
SNP_32139B_6024976	Ca_Kabuli_Chr07	NC_021166.1	6024976	AA	CC	CC	INTERGENIC		
SNP_32140B_6028640	Ca_Kabuli_Chr07	NC_021166.1	6028640	CC	AA	AA	DRR	101504856	transmembrane 9 superfamily member 11
SNP_32141B_6032204	Ca_Kabuli_Chr07	NC_021166.1	6032204	GG	AA	AA	URR	101504856	transmembrane 9 superfamily member 11
SNP_32142B_6032242	Ca_Kabuli_Chr07	NC_021166.1	6032242	TT	AA	AA	URR	101504856	transmembrane 9 superfamily member 11
SNP_32143B_6032247	Ca_Kabuli_Chr07	NC_021166.1	6032247	AA	GG	GG	URR	101504856	transmembrane 9 superfamily member 11
SNP_32144B_6032252	Ca_Kabuli_Chr07	NC_021166.1	6032252	TT	CC	CC	URR	101504856	transmembrane 9 superfamily member 11
SNP_32145B_6032264	Ca_Kabuli_Chr07	NC_021166.1	6032264	CC	TT	TT	URR	101504856	transmembrane 9 superfamily member 11
SNP_32146B_6032267	Ca_Kabuli_Chr07	NC_021166.1	6032267	TT	CC	CC	URR	101504856	transmembrane 9 superfamily member 11
SNP_32147B_6032395	Ca_Kabuli_Chr07	NC_021166.1	6032395	TT	CC	CC	URR	101504856	transmembrane 9 superfamily member 11
SNP_32148B_6034093	Ca_Kabuli_Chr07	NC_021166.1	6034093	CC	TT	TT	DRR	101505169	dentin sialophosphoprotein
SNP_32149B_6037043	Ca_Kabuli_Chr07	NC_021166.1	6037043	GG	AA	AA	INTRON	101505169	dentin sialophosphoprotein
SNP_32150B_6037444	Ca_Kabuli_Chr07	NC_021166.1	6037444	TT	AA	AA	INTRON	101505169	dentin sialophosphoprotein

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_32151B_6037614	Ca_Kabuli_Chr07	NC_021166.1	6037614	TT	CC	CC	INTRON	101505169	dentin sialophosphoprotein
SNP_32152B_6040981	Ca_Kabuli_Chr07	NC_021166.1	6040981	TT	CC	CC	INTRON	101505169	dentin sialophosphoprotein
SNP_32155B_6055994	Ca_Kabuli_Chr07	NC_021166.1	6055994	GG	AA	AA	INTERGENIC		
SNP_32157B_6057445	Ca_Kabuli_Chr07	NC_021166.1	6057445	AA	CC	CC	DRR	101493571	homeobox protein knotted-1-like 4
SNP_32158B_6059002	Ca_Kabuli_Chr07	NC_021166.1	6059002	CC	GG	GG	INTRON	101493571	homeobox protein knotted-1-like 4
SNP_32159B_6060518	Ca_Kabuli_Chr07	NC_021166.1	6060518	TT	CC	CC	INTERGENIC		
SNP_32160B_6061115	Ca_Kabuli_Chr07	NC_021166.1	6061115	AA	TT	TT	INTERGENIC		
SNP_32161B_6061126	Ca_Kabuli_Chr07	NC_021166.1	6061126	TT	CC	CC	INTERGENIC		
SNP_32162B_6063503	Ca_Kabuli_Chr07	NC_021166.1	6063503	CC	TT	TT	DRR	101505821	uncharacterized LOC101505821
SNP_32164B_6063819	Ca_Kabuli_Chr07	NC_021166.1	6063819	GG	AA	AA	DRR	101505821	uncharacterized LOC101505821
SNP_32165B_6065043	Ca_Kabuli_Chr07	NC_021166.1	6065043	AA	CC	CC	URR	101505821	uncharacterized LOC101505821
SNP_32167B_6065915	Ca_Kabuli_Chr07	NC_021166.1	6065915	TT	CC	CC	DRR	101506133	uncharacterized LOC101506133
SNP_32168B_6078622	Ca_Kabuli_Chr07	NC_021166.1	6078622	AA	GG	GG	INTERGENIC		
SNP_32169B_6078701	Ca_Kabuli_Chr07	NC_021166.1	6078701	GG	AA	AA	INTERGENIC		
SNP_32171B_6081504	Ca_Kabuli_Chr07	NC_021166.1	6081504	GG	AA	AA	INTERGENIC		
SNP_32172B_6082783	Ca_Kabuli_Chr07	NC_021166.1	6082783	GG	AA	AA	INTERGENIC		
SNP_32174B_6083237	Ca_Kabuli_Chr07	NC_021166.1	6083237	AA	CC	CC	INTERGENIC		
SNP_32175B_6084508	Ca_Kabuli_Chr07	NC_021166.1	6084508	GG	TT	TT	INTERGENIC		
SNP_32177B_6087845	Ca_Kabuli_Chr07	NC_021166.1	6087845	AA	GG	GG	INTERGENIC		
SNP_32178B_6088237	Ca_Kabuli_Chr07	NC_021166.1	6088237	TT	CC	CC	DRR	101506464	uncharacterized LOC101506464
SNP_32179B_6088477	Ca_Kabuli_Chr07	NC_021166.1	6088477	AA	CC	CC	DRR	101506464	uncharacterized LOC101506464
SNP_32180B_6089284	Ca_Kabuli_Chr07	NC_021166.1	6089284	CC	TT	TT	INTRON	101506464	uncharacterized LOC101506464
SNP_32181B_6090653	Ca_Kabuli_Chr07	NC_021166.1	6090653	GG	TT	TT	URR	101506464	uncharacterized LOC101506464
SNP_32182B_6091301	Ca_Kabuli_Chr07	NC_021166.1	6091301	AA	GG	GG	URR	101506464	uncharacterized LOC101506464

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_32183B_6091312	Ca_Kabuli_Chr07	NC_021166.1	6091312	GG	AA	AA	URR	101506464	uncharacterized LOC101506464
SNP_32184B_6094346	Ca_Kabuli_Chr07	NC_021166.1	6094346	CC	TT	TT	DRR	101506790	uncharacterized LOC101506790
SNP_32185B_6095283	Ca_Kabuli_Chr07	NC_021166.1	6095283	AA	CC	CC	INTERGENIC		
SNP_32186B_6097281	Ca_Kabuli_Chr07	NC_021166.1	6097281	TT	CC	CC	DRR	101493889	uncharacterized LOC101493889
SNP_32188B_6102408	Ca_Kabuli_Chr07	NC_021166.1	6102408	GG	AA	AA	URR	101493889	uncharacterized LOC101493889
SNP_32189B_6102437	Ca_Kabuli_Chr07	NC_021166.1	6102437	TT	CC	CC	URR	101493889	uncharacterized LOC101493889
SNP_32191B_6104304	Ca_Kabuli_Chr07	NC_021166.1	6104304	GG	AA	AA	INTERGENIC		
SNP_32192B_6104715	Ca_Kabuli_Chr07	NC_021166.1	6104715	CC	AA	AA	INTERGENIC		
SNP_32193B_6104741	Ca_Kabuli_Chr07	NC_021166.1	6104741	GG	TT	TT	INTERGENIC		
SNP_32194B_6107573	Ca_Kabuli_Chr07	NC_021166.1	6107573	TT	CC	CC	DRR	101507129	116 kDa U5 small nuclear ribonucleoprotein component
SNP_32195B_6112979	Ca_Kabuli_Chr07	NC_021166.1	6112979	TT	GG	GG	DRR	101507450	probable protein phosphatase 2C 27
SNP_32197B_6119476	Ca_Kabuli_Chr07	NC_021166.1	6119476	AA	TT	TT	INTERGENIC		
SNP_32199B_6121186	Ca_Kabuli_Chr07	NC_021166.1	6121186	TT	CC	CC	INTERGENIC		
SNP_32200B_6121372	Ca_Kabuli_Chr07	NC_021166.1	6121372	GG	AA	AA	INTERGENIC		
SNP_32202B_6122340	Ca_Kabuli_Chr07	NC_021166.1	6122340	AA	TT	TT	DRR	101507753	40S ribosomal protein S11
SNP_32203B_6122365	Ca_Kabuli_Chr07	NC_021166.1	6122365	AA	GG	GG	DRR	101507753	40S ribosomal protein S11
SNP_32204B_6122392	Ca_Kabuli_Chr07	NC_021166.1	6122392	GG	CC	CC	DRR	101507753	40S ribosomal protein S11
SNP_32206B_6126308	Ca_Kabuli_Chr07	NC_021166.1	6126308	AA	GG	GG	DRR	101508078	large proline-rich protein bag6-A
SNP_32207B_6126333	Ca_Kabuli_Chr07	NC_021166.1	6126333	TT	AA	AA	DRR	101508078	large proline-rich protein bag6-A
SNP_32209B_6126469	Ca_Kabuli_Chr07	NC_021166.1	6126469	AA	GG	GG	DRR	101508078	large proline-rich protein bag6-A
SNP_32210B_6126831	Ca_Kabuli_Chr07	NC_021166.1	6126831	CC	TT	TT	DRR	101508078	large proline-rich protein bag6-A
SNP_32211B_6126843	Ca_Kabuli_Chr07	NC_021166.1	6126843	TT	AA	AA	DRR	101508078	large proline-rich protein bag6-A
SNP_32212B_6127667	Ca_Kabuli_Chr07	NC_021166.1	6127667	AA	GG	GG	INTRON	id160373	Unknown function
SNP_32213B_6142967	Ca_Kabuli_Chr07	NC_021166.1	6142967	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_32214B_6142971	Ca_Kabuli_Chr07	NC_021166.1	6142971	GG	TT	TT	INTERGENIC		
SNP_32215B_6143400	Ca_Kabuli_Chr07	NC_021166.1	6143400	AA	GG	GG	INTERGENIC		
SNP_32216B_6144075	Ca_Kabuli_Chr07	NC_021166.1	6144075	AA	GG	GG	INTERGENIC		
SNP_32217B_6144928	Ca_Kabuli_Chr07	NC_021166.1	6144928	TT	CC	CC	INTERGENIC		
SNP_32218B_6145792	Ca_Kabuli_Chr07	NC_021166.1	6145792	TT	CC	CC	INTERGENIC		
SNP_32219B_6145795	Ca_Kabuli_Chr07	NC_021166.1	6145795	AA	GG	GG	INTERGENIC		
SNP_32220B_6154815	Ca_Kabuli_Chr07	NC_021166.1	6154815	GG	AA	AA	DRR	101508703	uncharacterized LOC101508703
SNP_32221B_6154817	Ca_Kabuli_Chr07	NC_021166.1	6154817	GG	AA	AA	DRR	101508703	uncharacterized LOC101508703
SNP_32222B_6157051	Ca_Kabuli_Chr07	NC_021166.1	6157051	CC	AA	AA	URR	101508703	uncharacterized LOC101508703
SNP_32223B_6157058	Ca_Kabuli_Chr07	NC_021166.1	6157058	CC	TT	TT	URR	101508703	uncharacterized LOC101508703
SNP_32224B_6157276	Ca_Kabuli_Chr07	NC_021166.1	6157276	AA	GG	GG	URR	101508703	uncharacterized LOC101508703
SNP_32225B_6157311	Ca_Kabuli_Chr07	NC_021166.1	6157311	CC	AA	AA	URR	101508703	uncharacterized LOC101508703
SNP_32226B_6157317	Ca_Kabuli_Chr07	NC_021166.1	6157317	GG	CC	CC	URR	101508703	uncharacterized LOC101508703
SNP_32227B_6157324	Ca_Kabuli_Chr07	NC_021166.1	6157324	CC	TT	TT	URR	101508703	uncharacterized LOC101508703
SNP_32228B_6157333	Ca_Kabuli_Chr07	NC_021166.1	6157333	TT	GG	GG	URR	101508703	uncharacterized LOC101508703
SNP_32229B_6157335	Ca_Kabuli_Chr07	NC_021166.1	6157335	GG	AA	AA	URR	101508703	uncharacterized LOC101508703
SNP_32230B_6158023	Ca_Kabuli_Chr07	NC_021166.1	6158023	GG	AA	AA	URR	101508703	uncharacterized LOC101508703
SNP_32231B_6158363	Ca_Kabuli_Chr07	NC_021166.1	6158363	GG	AA	AA	INTERGENIC		
SNP_32233B_6159810	Ca_Kabuli_Chr07	NC_021166.1	6159810	TT	CC	CC	INTERGENIC		
SNP_32234B_6159825	Ca_Kabuli_Chr07	NC_021166.1	6159825	AA	CC	CC	INTERGENIC		
SNP_32235B_6160604	Ca_Kabuli_Chr07	NC_021166.1	6160604	AA	CC	CC	INTERGENIC		
SNP_32236B_6161052	Ca_Kabuli_Chr07	NC_021166.1	6161052	TT	CC	CC	INTERGENIC		
SNP_32237B_6161055	Ca_Kabuli_Chr07	NC_021166.1	6161055	TT	CC	CC	INTERGENIC		
SNP_32238B_6162913	Ca_Kabuli_Chr07	NC_021166.1	6162913	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_32239B_6166008	Ca_Kabuli_Chr07	NC_021166.1	6166008	AA	CC	CC	DRR	101509020	uncharacterized LOC101509020
SNP_32241B_6166075	Ca_Kabuli_Chr07	NC_021166.1	6166075	GG	AA	AA	DRR	101509020	uncharacterized LOC101509020
SNP_32242B_6176432	Ca_Kabuli_Chr07	NC_021166.1	6176432	TT	CC	CC	INTERGENIC		
SNP_32243B_6188280	Ca_Kabuli_Chr07	NC_021166.1	6188280	CC	AA	AA	INTERGENIC		
SNP_32244B_6276839	Ca_Kabuli_Chr07	NC_021166.1	6276839	CC	TT	TT	INTERGENIC		
SNP_32245B_6279285	Ca_Kabuli_Chr07	NC_021166.1	6279285	AA	GG	GG	DRR	101513093	probable anion transporter 6, chloroplastic
SNP_32246B_6298953	Ca_Kabuli_Chr07	NC_021166.1	6298953	TT	GG	GG	INTERGENIC		
SNP_32247B_6355825	Ca_Kabuli_Chr07	NC_021166.1	6355825	AA	CC	CC	INTRON	101489555	ubiquitin carboxyl-terminal hydrolase 22-like
SNP_32248B_6405207	Ca_Kabuli_Chr07	NC_021166.1	6405207	TT	AA	AA	URR	101492803	synaptotagmin-5-like
SNP_32249B_6435046	Ca_Kabuli_Chr07	NC_021166.1	6435046	TT	AA	AA	INTERGENIC		
SNP_32250B_6435047	Ca_Kabuli_Chr07	NC_021166.1	6435047	TT	AA	AA	INTERGENIC		
SNP_32251B_6487058	Ca_Kabuli_Chr07	NC_021166.1	6487058	TT	AA	AA	DRR	101495378	putative clathrin assembly protein At5g35200
SNP_32253B_6629077	Ca_Kabuli_Chr07	NC_021166.1	6629077	CC	TT	TT	INTERGENIC		
SNP_32254B_6629117	Ca_Kabuli_Chr07	NC_021166.1	6629117	TT	CC	CC	INTERGENIC		
SNP_32258B_6832606	Ca_Kabuli_Chr07	NC_021166.1	6832606	GG	AA	AA	INTERGENIC		
SNP_32259B_6885653	Ca_Kabuli_Chr07	NC_021166.1	6885653	AA	GG	GG	INTERGENIC		
SNP_32261B_6937693	Ca_Kabuli_Chr07	NC_021166.1	6937693	CC	TT	TT	INTERGENIC		
SNP_32263B_6987271	Ca_Kabuli_Chr07	NC_021166.1	6987271	AA	TT	TT	INTERGENIC		
SNP_32264B_7097120	Ca_Kabuli_Chr07	NC_021166.1	7097120	TT	CC	CC	DRR	101490752	uncharacterized LOC101490752
SNP_32265B_7240253	Ca_Kabuli_Chr07	NC_021166.1	7240253	GG	AA	AA	INTERGENIC		
SNP_32267B_7532236	Ca_Kabuli_Chr07	NC_021166.1	7532236	CC	TT	TT	URR	101506465	transcription initiation factor TFIID subunit 2
SNP_32269B_7608939	Ca_Kabuli_Chr07	NC_021166.1	7608939	GG	CC	CC	DRR	101511485	deoxyhypusine hydroxylase
SNP_32270B_7613835	Ca_Kabuli_Chr07	NC_021166.1	7613835	CC	TT	TT	URR	101511485	deoxyhypusine hydroxylase
SNP_32271B_7637903	Ca_Kabuli_Chr07	NC_021166.1	7637903	AA	GG	GG	URR	101512449	protein Dr1 homolog

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_32272B_7737501	Ca_Kabuli_Chr07	NC_021166.1	7737501	GG	AA	AA	INTERGENIC		
SNP_32273B_7737645	Ca_Kabuli_Chr07	NC_021166.1	7737645	GG	AA	AA	INTERGENIC		
SNP_32274B_7737855	Ca_Kabuli_Chr07	NC_021166.1	7737855	TT	CC	CC	URR	101498787	Unknown function
SNP_32275B_7737899	Ca_Kabuli_Chr07	NC_021166.1	7737899	CC	TT	TT	URR	101498787	Unknown function
SNP_32276B_7737942	Ca_Kabuli_Chr07	NC_021166.1	7737942	AA	TT	TT	URR	101498787	Unknown function
SNP_32279B_7738245	Ca_Kabuli_Chr07	NC_021166.1	7738245	AA	GG	GG	URR	101498787	Unknown function
SNP_32280B_7738483	Ca_Kabuli_Chr07	NC_021166.1	7738483	AA	GG	GG	URR	101498787	Unknown function
SNP_32281B_7738508	Ca_Kabuli_Chr07	NC_021166.1	7738508	AA	GG	GG	URR	101498787	Unknown function
SNP_32283B_7738695	Ca_Kabuli_Chr07	NC_021166.1	7738695	TT	GG	GG	URR	101498787	Unknown function
SNP_32284B_7738708	Ca_Kabuli_Chr07	NC_021166.1	7738708	AA	GG	GG	URR	101498787	Unknown function
SNP_32285B_7738854	Ca_Kabuli_Chr07	NC_021166.1	7738854	GG	AA	AA	URR	101498787	Unknown function
SNP_32286B_7738970	Ca_Kabuli_Chr07	NC_021166.1	7738970	AA	GG	GG	URR	101498787	Unknown function
SNP_32287B_7738985	Ca_Kabuli_Chr07	NC_021166.1	7738985	AA	GG	GG	URR	101498787	Unknown function
SNP_32288B_7738991	Ca_Kabuli_Chr07	NC_021166.1	7738991	TT	CC	CC	URR	101498787	Unknown function
SNP_32289B_7738998	Ca_Kabuli_Chr07	NC_021166.1	7738998	GG	TT	TT	URR	101498787	Unknown function
SNP_32290B_7739000	Ca_Kabuli_Chr07	NC_021166.1	7739000	CC	TT	TT	URR	101498787	Unknown function
SNP_32291B_7739021	Ca_Kabuli_Chr07	NC_021166.1	7739021	TT	CC	CC	URR	101498787	Unknown function
SNP_32292B_7739056	Ca_Kabuli_Chr07	NC_021166.1	7739056	CC	TT	TT	URR	101498787	Unknown function
SNP_32293B_7739157	Ca_Kabuli_Chr07	NC_021166.1	7739157	TT	CC	CC	URR	101498787	Unknown function
SNP_32294B_7751857	Ca_Kabuli_Chr07	NC_021166.1	7751857	CC	AA	AA	DRR	101505594	protein CHROMATIN REMODELING 24-like
SNP_32296B_7776491	Ca_Kabuli_Chr07	NC_021166.1	7776491	TT	CC	CC	SYNONYMOUS_CODING	101505920	Unknown function
SNP_32297B_7776766	Ca_Kabuli_Chr07	NC_021166.1	7776766	CC	AA	AA	URR	101505920	Unknown function
SNP_32298B_7777314	Ca_Kabuli_Chr07	NC_021166.1	7777314	TT	CC	CC	URR	101505920	Unknown function
SNP_32299B_7777333	Ca_Kabuli_Chr07	NC_021166.1	7777333	CC	TT	TT	URR	101505920	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_32300B_7781961	Ca_Kabuli_Chr07	NC_021166.1	7781961	TT	CC	CC	INTRON	101501641	agmatine deiminase
SNP_32302B_7998303	Ca_Kabuli_Chr07	NC_021166.1	7998303	AA	GG	GG	INTERGENIC		
SNP_32303B_7998701	Ca_Kabuli_Chr07	NC_021166.1	7998701	GG	AA	AA	INTERGENIC		
SNP_32304B_8148038	Ca_Kabuli_Chr07	NC_021166.1	8148038	AA	GG	GG	URR	101488469	histone deacetylase 5-like
SNP_32306B_8193470	Ca_Kabuli_Chr07	NC_021166.1	8193470	GG	CC	CC	INTERGENIC		
SNP_32307B_8336810	Ca_Kabuli_Chr07	NC_021166.1	8336810	AA	TT	TT	INTERGENIC		
SNP_32308B_8522290	Ca_Kabuli_Chr07	NC_021166.1	8522290	CC	TT	TT	INTERGENIC		
SNP_32309B_8522538	Ca_Kabuli_Chr07	NC_021166.1	8522538	GG	TT	TT	INTERGENIC		
SNP_32310B_8522548	Ca_Kabuli_Chr07	NC_021166.1	8522548	GG	AA	AA	INTERGENIC		
SNP_32311B_8522562	Ca_Kabuli_Chr07	NC_021166.1	8522562	AA	GG	GG	INTERGENIC		
SNP_32313B_8581250	Ca_Kabuli_Chr07	NC_021166.1	8581250	GG	AA	AA	DRR	101511068	activating signal cointegrator 1
SNP_32314B_8613467	Ca_Kabuli_Chr07	NC_021166.1	8613467	TT	AA	AA	DRR	101512124	transcription factor TCP14
SNP_32315B_8644785	Ca_Kabuli_Chr07	NC_021166.1	8644785	GG	AA	AA	INTERGENIC		
SNP_32316B_8674247	Ca_Kabuli_Chr07	NC_021166.1	8674247	GG	AA	AA	INTERGENIC		
SNP_32317B_8763247	Ca_Kabuli_Chr07	NC_021166.1	8763247	AA	GG	GG	DRR	101491080	inactive protein RESTRICTED TEV MOVEMENT 2-like
SNP_32318B_8832920	Ca_Kabuli_Chr07	NC_021166.1	8832920	AA	TT	TT	URR	101494629	protein NRT1/ PTR FAMILY 2.11-like
SNP_32319B_8832947	Ca_Kabuli_Chr07	NC_021166.1	8832947	AA	GG	GG	URR	101494629	protein NRT1/ PTR FAMILY 2.11-like
SNP_32320B_8835783	Ca_Kabuli_Chr07	NC_021166.1	8835783	CC	TT	TT	INTERGENIC		
SNP_32321B_8851451	Ca_Kabuli_Chr07	NC_021166.1	8851451	AA	TT	TT	URR	101495496	ATPase 4, plasma membrane-type
SNP_32322B_8988833	Ca_Kabuli_Chr07	NC_021166.1	8988833	AA	GG	GG	INTERGENIC		
SNP_32323B_9180447	Ca_Kabuli_Chr07	NC_021166.1	9180447	TT	CC	CC	NON_SYNONYMOUS_CODING	101509451	separase-like
SNP_32324B_9180550	Ca_Kabuli_Chr07	NC_021166.1	9180550	AA	GG	GG	SYNONYMOUS_CODING	101509451	separase-like
SNP_32325B_9180650	Ca_Kabuli_Chr07	NC_021166.1	9180650	GG	AA	AA	NON_SYNONYMOUS_CODING	101509451	separase-like
SNP_32326B_9180839	Ca_Kabuli_Chr07	NC_021166.1	9180839	GG	AA	AA	NON_SYNONYMOUS_CODING	101509451	separase-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_32328B_9181568	Ca_Kabuli_Chr07	NC_021166.1	9181568	GG	AA	AA	SYNONYMOUS_CODING	101509451	separase-like
SNP_32330B_9181880	Ca_Kabuli_Chr07	NC_021166.1	9181880	AA	TT	TT	INTRON	101509451	separase-like
SNP_32331B_9182567	Ca_Kabuli_Chr07	NC_021166.1	9182567	GG	AA	AA	INTERGENIC		
SNP_32333B_9182913	Ca_Kabuli_Chr07	NC_021166.1	9182913	GG	AA	AA	INTERGENIC		
SNP_32334B_9183167	Ca_Kabuli_Chr07	NC_021166.1	9183167	TT	GG	GG	INTERGENIC		
SNP_32335B_9203766	Ca_Kabuli_Chr07	NC_021166.1	9203766	CC	AA	AA	INTERGENIC		
SNP_32336B_9216436	Ca_Kabuli_Chr07	NC_021166.1	9216436	AA	CC	CC	INTRON	101503009	metal tolerance protein 4-like
SNP_32337B_9255116	Ca_Kabuli_Chr07	NC_021166.1	9255116	GG	CC	CC	INTERGENIC		
SNP_32338B_9255117	Ca_Kabuli_Chr07	NC_021166.1	9255117	TT	AA	AA	INTERGENIC		
SNP_32339B_9269668	Ca_Kabuli_Chr07	NC_021166.1	9269668	GG	AA	AA	INTRON	101504643	tRNA (cytosine(34)-C(5))-methyltransferase-like
SNP_32340B_9269914	Ca_Kabuli_Chr07	NC_021166.1	9269914	CC	TT	TT	INTRON	101504643	tRNA (cytosine(34)-C(5))-methyltransferase-like
SNP_32341B_9277856	Ca_Kabuli_Chr07	NC_021166.1	9277856	TT	AA	AA	URR	101504643	tRNA (cytosine(34)-C(5))-methyltransferase-like
SNP_32343B_9339945	Ca_Kabuli_Chr07	NC_021166.1	9339945	GG	AA	AA	INTERGENIC		
SNP_32344B_9340267	Ca_Kabuli_Chr07	NC_021166.1	9340267	GG	AA	AA	INTERGENIC		
SNP_32345B_9340323	Ca_Kabuli_Chr07	NC_021166.1	9340323	TT	AA	AA	INTERGENIC		
SNP_32346B_9340357	Ca_Kabuli_Chr07	NC_021166.1	9340357	AA	CC	CC	INTERGENIC		
SNP_32347B_9369225	Ca_Kabuli_Chr07	NC_021166.1	9369225	CC	TT	TT	URR	101513097	snakin-2-like
SNP_32348B_9402421	Ca_Kabuli_Chr07	NC_021166.1	9402421	GG	TT	TT	INTERGENIC		
SNP_32350B_9425581	Ca_Kabuli_Chr07	NC_021166.1	9425581	TT	CC	CC	URR	101488236	RING-H2 finger protein ATL48
SNP_32351B_9474546	Ca_Kabuli_Chr07	NC_021166.1	9474546	TT	CC	CC	DRR	101491924	serine/threonine-protein kinase HT1-like
SNP_32353B_9714408	Ca_Kabuli_Chr07	NC_021166.1	9714408	CC	AA	AA	INTERGENIC		
SNP_32354B_9774219	Ca_Kabuli_Chr07	NC_021166.1	9774219	TT	CC	CC	INTERGENIC		
SNP_32355B_9774737	Ca_Kabuli_Chr07	NC_021166.1	9774737	AA	GG	GG	INTERGENIC		
SNP_32356B_9802541	Ca_Kabuli_Chr07	NC_021166.1	9802541	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_32357B_9802551	Ca_Kabuli_Chr07	NC_021166.1	9802551	TT	CC	CC	INTERGENIC		
SNP_32358B_9802587	Ca_Kabuli_Chr07	NC_021166.1	9802587	AA	GG	GG	INTERGENIC		
SNP_32359B_9802804	Ca_Kabuli_Chr07	NC_021166.1	9802804	CC	TT	TT	INTERGENIC		
SNP_32360B_9880123	Ca_Kabuli_Chr07	NC_021166.1	9880123	TT	AA	AA	INTERGENIC		
SNP_32361B_9954642	Ca_Kabuli_Chr07	NC_021166.1	9954642	AA	GG	GG	INTERGENIC		
SNP_32362B_9997311	Ca_Kabuli_Chr07	NC_021166.1	9997311	GG	AA	AA	INTERGENIC		
SNP_32363B_9997330	Ca_Kabuli_Chr07	NC_021166.1	9997330	TT	CC	CC	INTERGENIC		
SNP_32364B_9997332	Ca_Kabuli_Chr07	NC_021166.1	9997332	CC	TT	TT	INTERGENIC		
SNP_32365B_9997352	Ca_Kabuli_Chr07	NC_021166.1	9997352	TT	CC	CC	INTERGENIC		
SNP_32366B_9997503	Ca_Kabuli_Chr07	NC_021166.1	9997503	CC	TT	TT	INTERGENIC		
SNP_32367B_10186355	Ca_Kabuli_Chr07	NC_021166.1	10186355	TT	GG	GG	INTERGENIC		
SNP_32369B_10238310	Ca_Kabuli_Chr07	NC_021166.1	10238310	CC	TT	TT	INTERGENIC		
SNP_32370B_10238318	Ca_Kabuli_Chr07	NC_021166.1	10238318	AA	GG	GG	INTERGENIC		
SNP_32372B_10248820	Ca_Kabuli_Chr07	NC_021166.1	10248820	AA	CC	CC	DRR	101497335	GATA transcription factor 26-like
SNP_32373B_10248821	Ca_Kabuli_Chr07	NC_021166.1	10248821	AA	GG	GG	DRR	101497335	GATA transcription factor 26-like
SNP_32374B_10359560	Ca_Kabuli_Chr07	NC_021166.1	10359560	TT	CC	CC	INTERGENIC		
SNP_32375B_10362579	Ca_Kabuli_Chr07	NC_021166.1	10362579	TT	CC	CC	INTRON	101499822	cationic amino acid transporter 6, chloroplastic-like
SNP_32376B_10398194	Ca_Kabuli_Chr07	NC_021166.1	10398194	TT	CC	CC	INTERGENIC		
SNP_32377B_10535788	Ca_Kabuli_Chr07	NC_021166.1	10535788	AA	GG	GG	INTRON	101494632	lon protease homolog 2, peroxisomal-like
SNP_32378B_10535805	Ca_Kabuli_Chr07	NC_021166.1	10535805	GG	AA	AA	INTRON	101494632	lon protease homolog 2, peroxisomal-like
SNP_32379B_10535813	Ca_Kabuli_Chr07	NC_021166.1	10535813	TT	AA	AA	INTRON	101494632	lon protease homolog 2, peroxisomal-like
SNP_32380B_10536192	Ca_Kabuli_Chr07	NC_021166.1	10536192	CC	TT	TT	INTRON	101494632	lon protease homolog 2, peroxisomal-like
SNP_32381B_10536209	Ca_Kabuli_Chr07	NC_021166.1	10536209	GG	AA	AA	INTRON	101494632	lon protease homolog 2, peroxisomal-like
SNP_32382B_10536223	Ca_Kabuli_Chr07	NC_021166.1	10536223	GG	AA	AA	INTRON	101494632	lon protease homolog 2, peroxisomal-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_32383B_10536233	Ca_Kabuli_Chr07	NC_021166.1	10536233	GG	AA	AA	INTRON	101494632	lon protease homolog 2, peroxisomal-like
SNP_32384B_10538852	Ca_Kabuli_Chr07	NC_021166.1	10538852	CC	TT	TT	INTRON	101494632	lon protease homolog 2, peroxisomal-like
SNP_32386B_10584729	Ca_Kabuli_Chr07	NC_021166.1	10584729	TT	GG	GG	INTERGENIC		
SNP_32387B_10592089	Ca_Kabuli_Chr07	NC_021166.1	10592089	CC	TT	TT	INTERGENIC		
SNP_32388B_10592589	Ca_Kabuli_Chr07	NC_021166.1	10592589	TT	CC	CC	INTERGENIC		
SNP_32389B_10592620	Ca_Kabuli_Chr07	NC_021166.1	10592620	TT	CC	CC	INTERGENIC		
SNP_32390B_10621989	Ca_Kabuli_Chr07	NC_021166.1	10621989	AA	GG	GG	URR	101506566	lon protease homolog 2, peroxisomal-like
SNP_32391B_10664481	Ca_Kabuli_Chr07	NC_021166.1	10664481	AA	GG	GG	INTERGENIC		
SNP_32394B_10751435	Ca_Kabuli_Chr07	NC_021166.1	10751435	GG	CC	CC	INTERGENIC		
SNP_32395B_10813680	Ca_Kabuli_Chr07	NC_021166.1	10813680	GG	AA	AA	URR	101513100	pentatricopeptide repeat-containing protein At5g46580, chloroplastic
SNP_32397B_10827036	Ca_Kabuli_Chr07	NC_021166.1	10827036	CC	TT	TT	INTERGENIC		
SNP_32398B_10837562	Ca_Kabuli_Chr07	NC_021166.1	10837562	AA	TT	TT	URR	101513738	uncharacterized LOC101513738
SNP_32399B_10844061	Ca_Kabuli_Chr07	NC_021166.1	10844061	TT	CC	CC	INTERGENIC		
SNP_32401B_10961510	Ca_Kabuli_Chr07	NC_021166.1	10961510	TT	CC	CC	INTERGENIC		
SNP_32402B_10961546	Ca_Kabuli_Chr07	NC_021166.1	10961546	GG	AA	AA	INTERGENIC		
SNP_32403B_10961551	Ca_Kabuli_Chr07	NC_021166.1	10961551	AA	GG	GG	INTERGENIC		
SNP_32404B_10961570	Ca_Kabuli_Chr07	NC_021166.1	10961570	TT	CC	CC	INTERGENIC		
SNP_32405B_10961602	Ca_Kabuli_Chr07	NC_021166.1	10961602	CC	TT	TT	INTERGENIC		
SNP_32406B_11053713	Ca_Kabuli_Chr07	NC_021166.1	11053713	TT	AA	AA	INTERGENIC		
SNP_32407B_11053714	Ca_Kabuli_Chr07	NC_021166.1	11053714	TT	GG	GG	INTERGENIC		
SNP_32410B_11094257	Ca_Kabuli_Chr07	NC_021166.1	11094257	AA	GG	GG	INTERGENIC		
SNP_32411B_11145149	Ca_Kabuli_Chr07	NC_021166.1	11145149	GG	AA	AA	URR	101498664	dentin sialophosphoprotein
SNP_32412B_11305184	Ca_Kabuli_Chr07	NC_021166.1	11305184	GG	AA	AA	INTERGENIC		
SNP_32415B_11529429	Ca_Kabuli_Chr07	NC_021166.1	11529429	GG	AA	AA	URR	101508276	casein kinase II subunit alpha, chloroplastic

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_32417B_11679090	Ca_Kabuli_Chr07	NC_021166.1	11679090	TT	CC	CC	URR	101512678	probable prolyl 4-hydroxylase 9
SNP_32418B_11682674	Ca_Kabuli_Chr07	NC_021166.1	11682674	GG	AA	AA	INTERGENIC		
SNP_32419B_11697451	Ca_Kabuli_Chr07	NC_021166.1	11697451	GG	TT	TT	INTERGENIC		
SNP_32420B_11737752	Ca_Kabuli_Chr07	NC_021166.1	11737752	AA	GG	GG	URR	101514960	FRIGIDA-like protein 3
SNP_32421B_11747097	Ca_Kabuli_Chr07	NC_021166.1	11747097	CC	TT	TT	INTERGENIC		
SNP_32422B_11756139	Ca_Kabuli_Chr07	NC_021166.1	11756139	CC	AA	AA	INTERGENIC		
SNP_32423B_11835666	Ca_Kabuli_Chr07	NC_021166.1	11835666	TT	AA	AA	INTERGENIC		
SNP_32424B_11870668	Ca_Kabuli_Chr07	NC_021166.1	11870668	CC	TT	TT	INTRON	101490333	protein MRG1
SNP_32425B_11901770	Ca_Kabuli_Chr07	NC_021166.1	11901770	AA	TT	TT	INTERGENIC		
SNP_32426B_11901771	Ca_Kabuli_Chr07	NC_021166.1	11901771	AA	TT	TT	INTERGENIC		
SNP_32427B_11967553	Ca_Kabuli_Chr07	NC_021166.1	11967553	GG	AA	AA	INTERGENIC		
SNP_32429B_12009385	Ca_Kabuli_Chr07	NC_021166.1	12009385	CC	TT	TT	INTERGENIC		
SNP_32430B_12124109	Ca_Kabuli_Chr07	NC_021166.1	12124109	CC	TT	TT	INTRON	101495928	floral homeotic protein APETALA 2-like
SNP_32431B_12155733	Ca_Kabuli_Chr07	NC_021166.1	12155733	CC	AA	AA	INTERGENIC		
SNP_32432B_12165408	Ca_Kabuli_Chr07	NC_021166.1	12165408	TT	CC	CC	INTERGENIC		
SNP_32434B_12215919	Ca_Kabuli_Chr07	NC_021166.1	12215919	TT	CC	CC	INTERGENIC		
SNP_32435B_12359391	Ca_Kabuli_Chr07	NC_021166.1	12359391	AA	TT	TT	INTERGENIC		
SNP_32439B_12483270	Ca_Kabuli_Chr07	NC_021166.1	12483270	TT	CC	CC	URR	101498116	pentatricopeptide repeat-containing protein At3g16610-like
SNP_32440B_12483449	Ca_Kabuli_Chr07	NC_021166.1	12483449	CC	TT	TT	URR	101498116	pentatricopeptide repeat-containing protein At3g16610-like
SNP_32441B_12500404	Ca_Kabuli_Chr07	NC_021166.1	12500404	CC	AA	AA	INTERGENIC		
SNP_32442B_12509561	Ca_Kabuli_Chr07	NC_021166.1	12509561	AA	CC	CC	INTERGENIC		
SNP_32444B_12540025	Ca_Kabuli_Chr07	NC_021166.1	12540025	AA	GG	GG	INTRON	101499434	Unknown function
SNP_32445B_12540152	Ca_Kabuli_Chr07	NC_021166.1	12540152	TT	CC	CC	INTRON	101499434	Unknown function
SNP_32446B_12576060	Ca_Kabuli_Chr07	NC_021166.1	12576060	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_32447B_12576088	Ca_Kabuli_Chr07	NC_021166.1	12576088	TT	GG	GG	INTERGENIC		
SNP_32448B_12645719	Ca_Kabuli_Chr07	NC_021166.1	12645719	TT	CC	CC	INTERGENIC		
SNP_32450B_12695579	Ca_Kabuli_Chr07	NC_021166.1	12695579	CC	TT	TT	INTERGENIC		
SNP_32451B_12853075	Ca_Kabuli_Chr07	NC_021166.1	12853075	AA	GG	GG	INTRON	101515375	uncharacterized LOC101515375
SNP_32452B_12857900	Ca_Kabuli_Chr07	NC_021166.1	12857900	TT	CC	CC	INTERGENIC		
SNP_32453B_12890883	Ca_Kabuli_Chr07	NC_021166.1	12890883	AA	GG	GG	INTERGENIC		
SNP_32454B_13053150	Ca_Kabuli_Chr07	NC_021166.1	13053150	GG	CC	CC	INTERGENIC		
SNP_32455B_13056875	Ca_Kabuli_Chr07	NC_021166.1	13056875	CC	TT	TT	DRR	101493893	BTB/POZ domain-containing protein At5g66560-like
SNP_32456B_13116391	Ca_Kabuli_Chr07	NC_021166.1	13116391	AA	CC	CC	INTERGENIC		
SNP_32457B_13282571	Ca_Kabuli_Chr07	NC_021166.1	13282571	TT	CC	CC	INTERGENIC		
SNP_32458B_13292213	Ca_Kabuli_Chr07	NC_021166.1	13292213	CC	TT	TT	INTERGENIC		
SNP_32459B_13292394	Ca_Kabuli_Chr07	NC_021166.1	13292394	AA	TT	TT	INTERGENIC		
SNP_32460B_13354990	Ca_Kabuli_Chr07	NC_021166.1	13354990	AA	TT	TT	INTERGENIC		
SNP_32461B_13473792	Ca_Kabuli_Chr07	NC_021166.1	13473792	TT	CC	CC	INTERGENIC		
SNP_32462B_13474074	Ca_Kabuli_Chr07	NC_021166.1	13474074	AA	GG	GG	INTERGENIC		
SNP_32464B_13476725	Ca_Kabuli_Chr07	NC_021166.1	13476725	AA	GG	GG	INTERGENIC		
SNP_32465B_13476745	Ca_Kabuli_Chr07	NC_021166.1	13476745	CC	AA	AA	INTERGENIC		
SNP_32466B_13476762	Ca_Kabuli_Chr07	NC_021166.1	13476762	CC	TT	TT	INTERGENIC		
SNP_32467B_13485409	Ca_Kabuli_Chr07	NC_021166.1	13485409	TT	AA	AA	URR	101508599	calcium uniporter protein 2, mitochondrial
SNP_32468B_13485411	Ca_Kabuli_Chr07	NC_021166.1	13485411	TT	CC	CC	URR	101508599	calcium uniporter protein 2, mitochondrial
SNP_32469B_13494827	Ca_Kabuli_Chr07	NC_021166.1	13494827	AA	CC	CC	INTERGENIC		
SNP_32470B_13501493	Ca_Kabuli_Chr07	NC_021166.1	13501493	CC	AA	AA	INTERGENIC		
SNP_32471B_13519194	Ca_Kabuli_Chr07	NC_021166.1	13519194	TT	GG	GG	INTERGENIC		
SNP_32472B_13533020	Ca_Kabuli_Chr07	NC_021166.1	13533020	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_32473B_13533021	Ca_Kabuli_Chr07	NC_021166.1	13533021	AA	TT	TT	INTERGENIC		
SNP_32474B_13533248	Ca_Kabuli_Chr07	NC_021166.1	13533248	AA	GG	GG	INTERGENIC		
SNP_32475B_13551467	Ca_Kabuli_Chr07	NC_021166.1	13551467	CC	TT	TT	INTERGENIC		
SNP_32477B_13558955	Ca_Kabuli_Chr07	NC_021166.1	13558955	GG	AA	AA	INTERGENIC		
SNP_32478B_13559134	Ca_Kabuli_Chr07	NC_021166.1	13559134	TT	CC	CC	INTERGENIC		
SNP_32479B_13559164	Ca_Kabuli_Chr07	NC_021166.1	13559164	TT	CC	CC	INTERGENIC		
SNP_32480B_13567440	Ca_Kabuli_Chr07	NC_021166.1	13567440	AA	TT	TT	URR	101499525	RNA-binding protein 48-like
SNP_32482B_13610022	Ca_Kabuli_Chr07	NC_021166.1	13610022	CC	GG	GG	INTERGENIC		
SNP_32483B_13647794	Ca_Kabuli_Chr07	NC_021166.1	13647794	AA	GG	GG	INTERGENIC		
SNP_32484B_13700952	Ca_Kabuli_Chr07	NC_021166.1	13700952	TT	AA	AA	INTERGENIC		
SNP_32485B_13763095	Ca_Kabuli_Chr07	NC_021166.1	13763095	GG	AA	AA	DRR	101515376	AP-3 complex subunit sigma
SNP_32486B_13823669	Ca_Kabuli_Chr07	NC_021166.1	13823669	GG	AA	AA	URR	101489678	epoxide hydrolase 4
SNP_32487B_13823683	Ca_Kabuli_Chr07	NC_021166.1	13823683	CC	TT	TT	URR	101489678	epoxide hydrolase 4
SNP_32489B_13852947	Ca_Kabuli_Chr07	NC_021166.1	13852947	TT	GG	GG	INTERGENIC		
SNP_32490B_13871461	Ca_Kabuli_Chr07	NC_021166.1	13871461	AA	TT	TT	URR	101491292	uncharacterized LOC101491292
SNP_32492B_13995161	Ca_Kabuli_Chr07	NC_021166.1	13995161	GG	AA	AA	INTERGENIC		
SNP_32493B_14012607	Ca_Kabuli_Chr07	NC_021166.1	14012607	CC	AA	AA	INTERGENIC		
SNP_32494B_14061928	Ca_Kabuli_Chr07	NC_021166.1	14061928	GG	AA	AA	INTERGENIC		
SNP_32496B_14071991	Ca_Kabuli_Chr07	NC_021166.1	14071991	CC	TT	TT	INTERGENIC		
SNP_32497B_14072742	Ca_Kabuli_Chr07	NC_021166.1	14072742	AA	GG	GG	INTERGENIC		
SNP_32498B_14073197	Ca_Kabuli_Chr07	NC_021166.1	14073197	TT	GG	GG	INTERGENIC		
SNP_32500B_14081225	Ca_Kabuli_Chr07	NC_021166.1	14081225	CC	TT	TT	INTERGENIC		
SNP_32501B_14081273	Ca_Kabuli_Chr07	NC_021166.1	14081273	AA	GG	GG	INTERGENIC		
SNP_32502B_14083319	Ca_Kabuli_Chr07	NC_021166.1	14083319	TT	CC	CC	DRR	101497237	salicylate carboxymethyltransferase-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_32503B_14083369	Ca_Kabuli_Chr07	NC_021166.1	14083369	TT	CC	CC	DRR	101497237	salicylate carboxymethyltransferase-like
SNP_32504B_14083843	Ca_Kabuli_Chr07	NC_021166.1	14083843	AA	GG	GG	DRR	101497237	salicylate carboxymethyltransferase-like
SNP_32505B_14091426	Ca_Kabuli_Chr07	NC_021166.1	14091426	AA	CC	CC	INTERGENIC		
SNP_32506B_14094779	Ca_Kabuli_Chr07	NC_021166.1	14094779	AA	CC	CC	INTERGENIC		
SNP_32507B_14138444	Ca_Kabuli_Chr07	NC_021166.1	14138444	TT	CC	CC	URR	101503447	abscisic acid 8'-hydroxylase 3-like
SNP_32508B_14140631	Ca_Kabuli_Chr07	NC_021166.1	14140631	TT	CC	CC	INTERGENIC		
SNP_32509B_14217358	Ca_Kabuli_Chr07	NC_021166.1	14217358	AA	CC	CC	INTERGENIC		
SNP_32510B_14270911	Ca_Kabuli_Chr07	NC_021166.1	14270911	GG	AA	AA	INTERGENIC		
SNP_32511B_14272502	Ca_Kabuli_Chr07	NC_021166.1	14272502	AA	GG	GG	INTERGENIC		
SNP_32512B_14369772	Ca_Kabuli_Chr07	NC_021166.1	14369772	TT	AA	AA	INTERGENIC		
SNP_32513B_14370003	Ca_Kabuli_Chr07	NC_021166.1	14370003	TT	CC	CC	INTERGENIC		
SNP_32514B_14370038	Ca_Kabuli_Chr07	NC_021166.1	14370038	CC	TT	TT	INTERGENIC		
SNP_32515B_14370990	Ca_Kabuli_Chr07	NC_021166.1	14370990	CC	TT	TT	INTERGENIC		
SNP_32516B_14383264	Ca_Kabuli_Chr07	NC_021166.1	14383264	AA	CC	CC	INTERGENIC		
SNP_32517B_14393089	Ca_Kabuli_Chr07	NC_021166.1	14393089	GG	AA	AA	INTERGENIC		
SNP_32518B_14497340	Ca_Kabuli_Chr07	NC_021166.1	14497340	CC	TT	TT	INTRON	101508175	zinc finger MYM-type protein 1-like
SNP_32519B_14582649	Ca_Kabuli_Chr07	NC_021166.1	14582649	TT	GG	GG	URR	101514308	probable serine protease EDA2
SNP_32520B_14585851	Ca_Kabuli_Chr07	NC_021166.1	14585851	CC	AA	AA	DRR	101514630	kinesin-like protein NACK1
SNP_32521B_14688907	Ca_Kabuli_Chr07	NC_021166.1	14688907	TT	GG	GG	INTERGENIC		
SNP_32522B_14784055	Ca_Kabuli_Chr07	NC_021166.1	14784055	GG	AA	AA	URR	101494220	chaperone protein dnaJ 11, chloroplastic-like
SNP_32523B_14806758	Ca_Kabuli_Chr07	NC_021166.1	14806758	AA	GG	GG	INTERGENIC		
SNP_32524B_14806767	Ca_Kabuli_Chr07	NC_021166.1	14806767	CC	TT	TT	INTERGENIC		
SNP_32525B_14806792	Ca_Kabuli_Chr07	NC_021166.1	14806792	GG	TT	TT	INTERGENIC		
SNP_32526B_14811699	Ca_Kabuli_Chr07	NC_021166.1	14811699	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_32527B_14811732	Ca_Kabuli_Chr07	NC_021166.1	14811732	TT	CC	CC	INTERGENIC		
SNP_32528B_14816408	Ca_Kabuli_Chr07	NC_021166.1	14816408	AA	TT	TT	INTERGENIC		
SNP_32529B_14988950	Ca_Kabuli_Chr07	NC_021166.1	14988950	AA	GG	GG	DRR	101509456	DEAD-box ATP-dependent RNA helicase 13
SNP_32530B_15037628	Ca_Kabuli_Chr07	NC_021166.1	15037628	AA	GG	GG	INTERGENIC		
SNP_32531B_15037796	Ca_Kabuli_Chr07	NC_021166.1	15037796	AA	CC	CC	INTERGENIC		
SNP_32532B_15037814	Ca_Kabuli_Chr07	NC_021166.1	15037814	AA	GG	GG	INTERGENIC		
SNP_32533B_15037821	Ca_Kabuli_Chr07	NC_021166.1	15037821	CC	TT	TT	INTERGENIC		
SNP_32534B_15071515	Ca_Kabuli_Chr07	NC_021166.1	15071515	AA	GG	GG	URR	101503338	protein MID1-COMPLEMENTING ACTIVITY 1-like
SNP_32535B_15071533	Ca_Kabuli_Chr07	NC_021166.1	15071533	AA	GG	GG	URR	101503338	protein MID1-COMPLEMENTING ACTIVITY 1-like
SNP_32536B_15071730	Ca_Kabuli_Chr07	NC_021166.1	15071730	TT	GG	GG	URR	101503338	protein MID1-COMPLEMENTING ACTIVITY 1-like
SNP_32537B_15071751	Ca_Kabuli_Chr07	NC_021166.1	15071751	CC	TT	TT	URR	101503338	protein MID1-COMPLEMENTING ACTIVITY 1-like
SNP_32538B_15092169	Ca_Kabuli_Chr07	NC_021166.1	15092169	TT	CC	CC	INTERGENIC		
SNP_32539B_15245946	Ca_Kabuli_Chr07	NC_021166.1	15245946	AA	GG	GG	NON_SYNONYMOUS_CODING	101512029	probable pectinesterase 29
SNP_32540B_15258892	Ca_Kabuli_Chr07	NC_021166.1	15258892	GG	AA	AA	INTERGENIC		
SNP_32541B_15278316	Ca_Kabuli_Chr07	NC_021166.1	15278316	GG	AA	AA	INTERGENIC		
SNP_32542B_15278334	Ca_Kabuli_Chr07	NC_021166.1	15278334	CC	TT	TT	INTERGENIC		
SNP_32543B_15278355	Ca_Kabuli_Chr07	NC_021166.1	15278355	AA	GG	GG	INTERGENIC		
SNP_32544B_15278397	Ca_Kabuli_Chr07	NC_021166.1	15278397	AA	GG	GG	INTERGENIC		
SNP_32545B_15278407	Ca_Kabuli_Chr07	NC_021166.1	15278407	GG	TT	TT	INTERGENIC		
SNP_32546B_15303058	Ca_Kabuli_Chr07	NC_021166.1	15303058	TT	CC	CC	INTERGENIC		
SNP_32547B_15305126	Ca_Kabuli_Chr07	NC_021166.1	15305126	AA	GG	GG	INTERGENIC		
SNP_32548B_15305188	Ca_Kabuli_Chr07	NC_021166.1	15305188	CC	TT	TT	INTERGENIC		
SNP_32549B_15305202	Ca_Kabuli_Chr07	NC_021166.1	15305202	CC	TT	TT	INTERGENIC		
SNP_32550B_15305213	Ca_Kabuli_Chr07	NC_021166.1	15305213	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_32551B_15325389	Ca_Kabuli_Chr07	NC_021166.1	15325389	AA	GG	GG	NON_SYNONYMOUS_CODING	101513650	Unknown function
SNP_32552B_15325568	Ca_Kabuli_Chr07	NC_021166.1	15325568	AA	GG	GG	SYNONYMOUS_CODING	101513650	Unknown function
SNP_32553B_15325858	Ca_Kabuli_Chr07	NC_021166.1	15325858	GG	AA	AA	INTRON	101513650	Unknown function
SNP_32555B_15325907	Ca_Kabuli_Chr07	NC_021166.1	15325907	CC	TT	TT	INTRON	101513650	Unknown function
SNP_32556B_15325909	Ca_Kabuli_Chr07	NC_021166.1	15325909	TT	GG	GG	INTRON	101513650	Unknown function
SNP_32557B_15325913	Ca_Kabuli_Chr07	NC_021166.1	15325913	AA	GG	GG	INTRON	101513650	Unknown function
SNP_32558B_15325918	Ca_Kabuli_Chr07	NC_021166.1	15325918	AA	GG	GG	INTRON	101513650	Unknown function
SNP_32559B_15325921	Ca_Kabuli_Chr07	NC_021166.1	15325921	AA	GG	GG	INTRON	101513650	Unknown function
SNP_32560B_15325933	Ca_Kabuli_Chr07	NC_021166.1	15325933	TT	CC	CC	INTRON	101513650	Unknown function
SNP_32561B_15425146	Ca_Kabuli_Chr07	NC_021166.1	15425146	AA	CC	CC	INTERGENIC		
SNP_32562B_15425478	Ca_Kabuli_Chr07	NC_021166.1	15425478	TT	CC	CC	INTERGENIC		
SNP_32563B_15425567	Ca_Kabuli_Chr07	NC_021166.1	15425567	TT	GG	GG	INTERGENIC		
SNP_32564B_15425586	Ca_Kabuli_Chr07	NC_021166.1	15425586	AA	GG	GG	INTERGENIC		
SNP_32566B_15488424	Ca_Kabuli_Chr07	NC_021166.1	15488424	GG	AA	AA	INTERGENIC		
SNP_32567B_15488426	Ca_Kabuli_Chr07	NC_021166.1	15488426	CC	TT	TT	INTERGENIC		
SNP_32568B_15488445	Ca_Kabuli_Chr07	NC_021166.1	15488445	GG	AA	AA	INTERGENIC		
SNP_32569B_15520942	Ca_Kabuli_Chr07	NC_021166.1	15520942	TT	CC	CC	INTERGENIC		
SNP_32570B_15521031	Ca_Kabuli_Chr07	NC_021166.1	15521031	AA	GG	GG	INTERGENIC		
SNP_32571B_15521137	Ca_Kabuli_Chr07	NC_021166.1	15521137	CC	TT	TT	INTERGENIC		
SNP_32572B_15521191	Ca_Kabuli_Chr07	NC_021166.1	15521191	TT	CC	CC	INTERGENIC		
SNP_32573B_15521198	Ca_Kabuli_Chr07	NC_021166.1	15521198	GG	CC	CC	INTERGENIC		
SNP_32574B_15521208	Ca_Kabuli_Chr07	NC_021166.1	15521208	TT	CC	CC	INTERGENIC		
SNP_32575B_15521224	Ca_Kabuli_Chr07	NC_021166.1	15521224	AA	GG	GG	INTERGENIC		
SNP_32577B_15580193	Ca_Kabuli_Chr07	NC_021166.1	15580193	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_32578B_15613420	Ca_Kabuli_Chr07	NC_021166.1	15613420	TT	CC	CC	INTERGENIC		
SNP_32579B_15646092	Ca_Kabuli_Chr07	NC_021166.1	15646092	CC	TT	TT	INTERGENIC		
SNP_32581B_15769131	Ca_Kabuli_Chr07	NC_021166.1	15769131	GG	AA	AA	INTERGENIC		
SNP_32582B_15828080	Ca_Kabuli_Chr07	NC_021166.1	15828080	AA	CC	CC	DRR	101515608	uncharacterized LOC101515608
SNP_32583B_15841195	Ca_Kabuli_Chr07	NC_021166.1	15841195	CC	GG	GG	INTERGENIC		
SNP_32584B_15841293	Ca_Kabuli_Chr07	NC_021166.1	15841293	TT	CC	CC	INTERGENIC		
SNP_32586B_15841442	Ca_Kabuli_Chr07	NC_021166.1	15841442	TT	AA	AA	INTERGENIC		
SNP_32587B_15842562	Ca_Kabuli_Chr07	NC_021166.1	15842562	TT	AA	AA	INTERGENIC		
SNP_32588B_15873812	Ca_Kabuli_Chr07	NC_021166.1	15873812	TT	CC	CC	INTRON	101495825	serine/threonine-protein kinase/endoribonuclease IRE1a-like
SNP_32589B_15878937	Ca_Kabuli_Chr07	NC_021166.1	15878937	GG	AA	AA	DRR	101496147	exosome complex exonuclease RRP44
SNP_32590B_15896962	Ca_Kabuli_Chr07	NC_021166.1	15896962	AA	TT	TT	INTERGENIC		
SNP_32591B_15896977	Ca_Kabuli_Chr07	NC_021166.1	15896977	TT	AA	AA	INTERGENIC		
SNP_32592B_15899760	Ca_Kabuli_Chr07	NC_021166.1	15899760	TT	CC	CC	URR	101496474	uncharacterized transporter YBR287W-like
SNP_32593B_15903615	Ca_Kabuli_Chr07	NC_021166.1	15903615	AA	GG	GG	INTERGENIC		
SNP_32594B_15918813	Ca_Kabuli_Chr07	NC_021166.1	15918813	CC	TT	TT	INTRON	101496809	MLO-like protein 10
SNP_32595B_15969929	Ca_Kabuli_Chr07	NC_021166.1	15969929	CC	TT	TT	INTERGENIC		
SNP_32598B_16080616	Ca_Kabuli_Chr07	NC_021166.1	16080616	TT	CC	CC	DRR	101489680	Unknown function
SNP_32599B_16080778	Ca_Kabuli_Chr07	NC_021166.1	16080778	AA	CC	CC	INTERGENIC		
SNP_32600B_16080874	Ca_Kabuli_Chr07	NC_021166.1	16080874	GG	TT	TT	INTERGENIC		
SNP_32601B_16082044	Ca_Kabuli_Chr07	NC_021166.1	16082044	AA	GG	GG	INTRON	101489680	Unknown function
SNP_32602B_16082159	Ca_Kabuli_Chr07	NC_021166.1	16082159	AA	GG	GG	INTRON	101489680	Unknown function
SNP_32603B_16082201	Ca_Kabuli_Chr07	NC_021166.1	16082201	CC	GG	GG	INTRON	101489680	Unknown function
SNP_32604B_16082243	Ca_Kabuli_Chr07	NC_021166.1	16082243	AA	GG	GG	INTRON	101489680	Unknown function
SNP_32605B_16082251	Ca_Kabuli_Chr07	NC_021166.1	16082251	TT	CC	CC	SYNONYMOUS_CODING	101489680	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_32606B_16082345	Ca_Kabuli_Chr07	NC_021166.1	16082345	GG	AA	AA	NON_SYNONYMOUS_CODING	101489680	Unknown function
SNP_32607B_16099764	Ca_Kabuli_Chr07	NC_021166.1	16099764	TT	CC	CC	INTERGENIC		
SNP_32609B_16225483	Ca_Kabuli_Chr07	NC_021166.1	16225483	AA	TT	TT	URR	101501115	diacylglycerol O-acyltransferase 2-like
SNP_32610B_16236849	Ca_Kabuli_Chr07	NC_021166.1	16236849	GG	AA	AA	INTRON	101501428	diacylglycerol O-acyltransferase 2-like
SNP_32611B_16269718	Ca_Kabuli_Chr07	NC_021166.1	16269718	AA	CC	CC	DRR	101502288	kinesin-like calmodulin-binding protein
SNP_32612B_16274244	Ca_Kabuli_Chr07	NC_021166.1	16274244	AA	CC	CC	INTERGENIC		
SNP_32613B_16290382	Ca_Kabuli_Chr07	NC_021166.1	16290382	CC	TT	TT	DRR	101503123	probable apyrase 7
SNP_32614B_16298428	Ca_Kabuli_Chr07	NC_021166.1	16298428	AA	GG	GG	URR	101503123	probable apyrase 7
SNP_32616B_16361536	Ca_Kabuli_Chr07	NC_021166.1	16361536	GG	AA	AA	INTERGENIC		
SNP_32617B_16376773	Ca_Kabuli_Chr07	NC_021166.1	16376773	GG	CC	CC	URR	101505927	abscisic acid 8'-hydroxylase 1-like
SNP_32618B_16378225	Ca_Kabuli_Chr07	NC_021166.1	16378225	TT	AA	AA	DRR	101506239	AP-4 complex subunit epsilon
SNP_32619B_16429556	Ca_Kabuli_Chr07	NC_021166.1	16429556	GG	AA	AA	INTERGENIC		
SNP_32620B_16445242	Ca_Kabuli_Chr07	NC_021166.1	16445242	CC	TT	TT	INTERGENIC		
SNP_32621B_16475464	Ca_Kabuli_Chr07	NC_021166.1	16475464	AA	TT	TT	INTERGENIC		
SNP_32622B_16475465	Ca_Kabuli_Chr07	NC_021166.1	16475465	AA	GG	GG	INTERGENIC		
SNP_32623B_16475792	Ca_Kabuli_Chr07	NC_021166.1	16475792	TT	CC	CC	INTERGENIC		
SNP_32624B_16503335	Ca_Kabuli_Chr07	NC_021166.1	16503335	AA	CC	CC	URR	101490655	inositol transporter 1-like
SNP_32625B_16518286	Ca_Kabuli_Chr07	NC_021166.1	16518286	AA	TT	TT	INTERGENIC		
SNP_32626B_16523096	Ca_Kabuli_Chr07	NC_021166.1	16523096	CC	TT	TT	INTERGENIC		
SNP_32627B_16524080	Ca_Kabuli_Chr07	NC_021166.1	16524080	CC	TT	TT	INTERGENIC		
SNP_32628B_16524160	Ca_Kabuli_Chr07	NC_021166.1	16524160	CC	TT	TT	INTERGENIC		
SNP_32629B_16524165	Ca_Kabuli_Chr07	NC_021166.1	16524165	AA	GG	GG	INTERGENIC		
SNP_32630B_16524254	Ca_Kabuli_Chr07	NC_021166.1	16524254	GG	TT	TT	INTERGENIC		
SNP_32631B_16524366	Ca_Kabuli_Chr07	NC_021166.1	16524366	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_32632B_16524383	Ca_Kabuli_Chr07	NC_021166.1	16524383	AA	GG	GG	INTERGENIC		
SNP_32633B_16524388	Ca_Kabuli_Chr07	NC_021166.1	16524388	TT	GG	GG	INTERGENIC		
SNP_32634B_16524489	Ca_Kabuli_Chr07	NC_021166.1	16524489	GG	AA	AA	INTERGENIC		
SNP_32635B_16544264	Ca_Kabuli_Chr07	NC_021166.1	16544264	GG	AA	AA	INTERGENIC		
SNP_32636B_16548696	Ca_Kabuli_Chr07	NC_021166.1	16548696	GG	AA	AA	DRR	101503012	inositol transporter 1-like
SNP_32637B_16564310	Ca_Kabuli_Chr07	NC_021166.1	16564310	GG	AA	AA	INTRON	101491804	inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2-like
SNP_32638B_16568702	Ca_Kabuli_Chr07	NC_021166.1	16568702	GG	AA	AA	INTERGENIC		
SNP_32639B_16700006	Ca_Kabuli_Chr07	NC_021166.1	16700006	TT	CC	CC	INTERGENIC		
SNP_32640B_16710255	Ca_Kabuli_Chr07	NC_021166.1	16710255	TT	GG	GG	INTRON	101498549	mechanosensitive ion channel protein 10-like
SNP_32641B_16751005	Ca_Kabuli_Chr07	NC_021166.1	16751005	AA	TT	TT	INTERGENIC		
SNP_32642B_16840472	Ca_Kabuli_Chr07	NC_021166.1	16840472	GG	TT	TT	INTERGENIC		
SNP_32643B_16841083	Ca_Kabuli_Chr07	NC_021166.1	16841083	CC	TT	TT	INTERGENIC		
SNP_32644B_16895464	Ca_Kabuli_Chr07	NC_021166.1	16895464	CC	TT	TT	INTRON	101500275	uncharacterized LOC101500275
SNP_32645B_16895522	Ca_Kabuli_Chr07	NC_021166.1	16895522	TT	CC	CC	INTRON	101500275	uncharacterized LOC101500275
SNP_32646B_16895523	Ca_Kabuli_Chr07	NC_021166.1	16895523	AA	GG	GG	INTRON	101500275	uncharacterized LOC101500275
SNP_32647B_16895528	Ca_Kabuli_Chr07	NC_021166.1	16895528	GG	CC	CC	INTRON	101500275	uncharacterized LOC101500275
SNP_32648B_16895539	Ca_Kabuli_Chr07	NC_021166.1	16895539	AA	GG	GG	INTRON	101500275	uncharacterized LOC101500275
SNP_32649B_16895961	Ca_Kabuli_Chr07	NC_021166.1	16895961	AA	GG	GG	URR	101500275	uncharacterized LOC101500275
SNP_32650B_16925310	Ca_Kabuli_Chr07	NC_021166.1	16925310	TT	CC	CC	URR	101506240	alpha-glucan water dikinase, chloroplastic
SNP_32651B_16939881	Ca_Kabuli_Chr07	NC_021166.1	16939881	GG	AA	AA	INTERGENIC		
SNP_32652B_16940265	Ca_Kabuli_Chr07	NC_021166.1	16940265	CC	TT	TT	INTERGENIC		
SNP_32653B_16941496	Ca_Kabuli_Chr07	NC_021166.1	16941496	CC	TT	TT	INTERGENIC		
SNP_32654B_16941505	Ca_Kabuli_Chr07	NC_021166.1	16941505	TT	CC	CC	INTERGENIC		
SNP_32655B_16941555	Ca_Kabuli_Chr07	NC_021166.1	16941555	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_32656B_16941559	Ca_Kabuli_Chr07	NC_021166.1	16941559	GG	CC	CC	INTERGENIC		
SNP_32658B_16941733	Ca_Kabuli_Chr07	NC_021166.1	16941733	AA	GG	GG	INTERGENIC		
SNP_32659B_16941742	Ca_Kabuli_Chr07	NC_021166.1	16941742	TT	GG	GG	INTERGENIC		
SNP_32660B_16941767	Ca_Kabuli_Chr07	NC_021166.1	16941767	AA	CC	CC	INTERGENIC		
SNP_32661B_16990299	Ca_Kabuli_Chr07	NC_021166.1	16990299	CC	TT	TT	INTERGENIC		
SNP_32662B_17133012	Ca_Kabuli_Chr07	NC_021166.1	17133012	AA	TT	TT	INTERGENIC		
SNP_32665B_17203637	Ca_Kabuli_Chr07	NC_021166.1	17203637	TT	CC	CC	INTERGENIC		
SNP_32666B_17207120	Ca_Kabuli_Chr07	NC_021166.1	17207120	CC	AA	AA	INTERGENIC		
SNP_32667B_17211740	Ca_Kabuli_Chr07	NC_021166.1	17211740	AA	GG	GG	INTERGENIC		
SNP_32668B_17220013	Ca_Kabuli_Chr07	NC_021166.1	17220013	AA	CC	CC	INTERGENIC		
SNP_32669B_17269265	Ca_Kabuli_Chr07	NC_021166.1	17269265	CC	TT	TT	INTERGENIC		
SNP_32670B_17269357	Ca_Kabuli_Chr07	NC_021166.1	17269357	GG	CC	CC	INTERGENIC		
SNP_32671B_17269541	Ca_Kabuli_Chr07	NC_021166.1	17269541	GG	AA	AA	INTERGENIC		
SNP_32672B_17269603	Ca_Kabuli_Chr07	NC_021166.1	17269603	AA	GG	GG	INTERGENIC		
SNP_32673B_17372125	Ca_Kabuli_Chr07	NC_021166.1	17372125	TT	AA	AA	INTERGENIC		
SNP_32674B_17374519	Ca_Kabuli_Chr07	NC_021166.1	17374519	CC	TT	TT	INTERGENIC		
SNP_32675B_17374585	Ca_Kabuli_Chr07	NC_021166.1	17374585	CC	AA	AA	INTERGENIC		
SNP_32677B_17434708	Ca_Kabuli_Chr07	NC_021166.1	17434708	TT	AA	AA	INTERGENIC		
SNP_32678B_17498211	Ca_Kabuli_Chr07	NC_021166.1	17498211	AA	TT	TT	INTERGENIC		
SNP_32679B_17544601	Ca_Kabuli_Chr07	NC_021166.1	17544601	AA	TT	TT	URR	101490657	plant UBX domain-containing protein 7
SNP_32680B_17544602	Ca_Kabuli_Chr07	NC_021166.1	17544602	TT	AA	AA	URR	101490657	plant UBX domain-containing protein 7
SNP_32682B_17622889	Ca_Kabuli_Chr07	NC_021166.1	17622889	GG	AA	AA	INTRON	101493040	membrane-bound transcription factor site-2 protease homolog
SNP_32683B_17676582	Ca_Kabuli_Chr07	NC_021166.1	17676582	CC	TT	TT	INTERGENIC		
SNP_32684B_17746554	Ca_Kabuli_Chr07	NC_021166.1	17746554	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_32685B_17829522	Ca_Kabuli_Chr07	NC_021166.1	17829522	TT	CC	CC	URR	101504740	Unknown function
SNP_32686B_17858807	Ca_Kabuli_Chr07	NC_021166.1	17858807	GG	AA	AA	NON_SYNONYMOUS_CODING	101505067	Unknown function
SNP_32687B_17864421	Ca_Kabuli_Chr07	NC_021166.1	17864421	CC	TT	TT	INTERGENIC		
SNP_32688B_17866725	Ca_Kabuli_Chr07	NC_021166.1	17866725	GG	CC	CC	SPLICE_SITE_REGION	101505389	probable leucine-rich repeat receptor-like protein kinase At5g49770
SNP_32689B_17869124	Ca_Kabuli_Chr07	NC_021166.1	17869124	CC	AA	AA	DRR	101498120	uncharacterized LOC101498120
SNP_32690B_17869125	Ca_Kabuli_Chr07	NC_021166.1	17869125	AA	GG	GG	DRR	101498120	uncharacterized LOC101498120
SNP_32691B_17869145	Ca_Kabuli_Chr07	NC_021166.1	17869145	CC	TT	TT	DRR	101498120	uncharacterized LOC101498120
SNP_32692B_17869189	Ca_Kabuli_Chr07	NC_021166.1	17869189	TT	CC	CC	DRR	101498120	uncharacterized LOC101498120
SNP_32693B_17875009	Ca_Kabuli_Chr07	NC_021166.1	17875009	TT	CC	CC	URR	101498120	uncharacterized LOC101498120
SNP_32694B_17875325	Ca_Kabuli_Chr07	NC_021166.1	17875325	AA	GG	GG	URR	101498120	uncharacterized LOC101498120
SNP_32695B_17879998	Ca_Kabuli_Chr07	NC_021166.1	17879998	AA	GG	GG	INTERGENIC		
SNP_32696B_17880108	Ca_Kabuli_Chr07	NC_021166.1	17880108	AA	TT	TT	INTERGENIC		
SNP_32697B_17880234	Ca_Kabuli_Chr07	NC_021166.1	17880234	TT	CC	CC	INTERGENIC		
SNP_32698B_17880237	Ca_Kabuli_Chr07	NC_021166.1	17880237	GG	AA	AA	INTERGENIC		
SNP_32699B_17893528	Ca_Kabuli_Chr07	NC_021166.1	17893528	GG	AA	AA	URR	101498551	Unknown function
SNP_32700B_17897529	Ca_Kabuli_Chr07	NC_021166.1	17897529	CC	TT	TT	INTERGENIC		
SNP_32701B_17897597	Ca_Kabuli_Chr07	NC_021166.1	17897597	CC	AA	AA	INTERGENIC		
SNP_32702B_17897917	Ca_Kabuli_Chr07	NC_021166.1	17897917	TT	CC	CC	INTERGENIC		
SNP_32703B_17922254	Ca_Kabuli_Chr07	NC_021166.1	17922254	AA	GG	GG	URR	101506042	probable leucine-rich repeat receptor-like protein kinase At5g49770
SNP_32704B_17922262	Ca_Kabuli_Chr07	NC_021166.1	17922262	GG	CC	CC	URR	101506042	probable leucine-rich repeat receptor-like protein kinase At5g49770
SNP_32705B_17922296	Ca_Kabuli_Chr07	NC_021166.1	17922296	AA	CC	CC	URR	101506042	probable leucine-rich repeat receptor-like protein kinase At5g49770
SNP_32706B_17922561	Ca_Kabuli_Chr07	NC_021166.1	17922561	AA	GG	GG	INTERGENIC		
SNP_32707B_17922608	Ca_Kabuli_Chr07	NC_021166.1	17922608	AA	GG	GG	INTERGENIC		
SNP_32709B_17923085	Ca_Kabuli_Chr07	NC_021166.1	17923085	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_32710B_17923860	Ca_Kabuli_Chr07	NC_021166.1	17923860	GG	TT	TT	INTERGENIC		
SNP_32711B_17983745	Ca_Kabuli_Chr07	NC_021166.1	17983745	CC	GG	GG	INTERGENIC		
SNP_32712B_18007004	Ca_Kabuli_Chr07	NC_021166.1	18007004	AA	TT	TT	INTERGENIC		
SNP_32713B_18007182	Ca_Kabuli_Chr07	NC_021166.1	18007182	GG	AA	AA	INTERGENIC		
SNP_32714B_18007302	Ca_Kabuli_Chr07	NC_021166.1	18007302	AA	GG	GG	INTERGENIC		
SNP_32715B_18007484	Ca_Kabuli_Chr07	NC_021166.1	18007484	AA	GG	GG	INTERGENIC		
SNP_32716B_18007509	Ca_Kabuli_Chr07	NC_021166.1	18007509	GG	AA	AA	INTERGENIC		
SNP_32717B_18007525	Ca_Kabuli_Chr07	NC_021166.1	18007525	TT	CC	CC	INTERGENIC		
SNP_32718B_18007537	Ca_Kabuli_Chr07	NC_021166.1	18007537	TT	CC	CC	INTERGENIC		
SNP_32720B_18007798	Ca_Kabuli_Chr07	NC_021166.1	18007798	CC	TT	TT	INTERGENIC		
SNP_32722B_18024864	Ca_Kabuli_Chr07	NC_021166.1	18024864	AA	CC	CC	INTERGENIC		
SNP_32723B_18038540	Ca_Kabuli_Chr07	NC_021166.1	18038540	GG	TT	TT	INTERGENIC		
SNP_32725B_18038552	Ca_Kabuli_Chr07	NC_021166.1	18038552	CC	GG	GG	INTERGENIC		
SNP_32726B_18050211	Ca_Kabuli_Chr07	NC_021166.1	18050211	TT	GG	GG	NON_SYNONYMOUS_CODING	101512891	uncharacterized LOC101512891
SNP_32727B_18070984	Ca_Kabuli_Chr07	NC_021166.1	18070984	TT	GG	GG	INTERGENIC		
SNP_32728B_18070993	Ca_Kabuli_Chr07	NC_021166.1	18070993	AA	TT	TT	INTERGENIC		
SNP_32729B_18070997	Ca_Kabuli_Chr07	NC_021166.1	18070997	GG	TT	TT	INTERGENIC		
SNP_32730B_18071005	Ca_Kabuli_Chr07	NC_021166.1	18071005	GG	TT	TT	INTERGENIC		
SNP_32731B_18071028	Ca_Kabuli_Chr07	NC_021166.1	18071028	AA	GG	GG	INTERGENIC		
SNP_32732B_18071159	Ca_Kabuli_Chr07	NC_021166.1	18071159	AA	TT	TT	INTERGENIC		
SNP_32733B_18071188	Ca_Kabuli_Chr07	NC_021166.1	18071188	TT	CC	CC	INTERGENIC		
SNP_32734B_18071197	Ca_Kabuli_Chr07	NC_021166.1	18071197	TT	CC	CC	INTERGENIC		
SNP_32735B_18071216	Ca_Kabuli_Chr07	NC_021166.1	18071216	AA	TT	TT	INTERGENIC		
SNP_32736B_18071401	Ca_Kabuli_Chr07	NC_021166.1	18071401	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_32737B_18084750	Ca_Kabuli_Chr07	NC_021166.1	18084750	CC	TT	TT	INTERGENIC		
SNP_32738B_18088218	Ca_Kabuli_Chr07	NC_021166.1	18088218	TT	AA	AA	INTERGENIC		
SNP_32739B_18110103	Ca_Kabuli_Chr07	NC_021166.1	18110103	AA	GG	GG	INTERGENIC		
SNP_32740B_18110111	Ca_Kabuli_Chr07	NC_021166.1	18110111	TT	CC	CC	INTERGENIC		
SNP_32741B_18110130	Ca_Kabuli_Chr07	NC_021166.1	18110130	AA	GG	GG	INTERGENIC		
SNP_32742B_18110142	Ca_Kabuli_Chr07	NC_021166.1	18110142	GG	AA	AA	INTERGENIC		
SNP_32743B_18122812	Ca_Kabuli_Chr07	NC_021166.1	18122812	CC	TT	TT	URR	101513219	uncharacterized LOC101513219
SNP_32744B_18125921	Ca_Kabuli_Chr07	NC_021166.1	18125921	CC	TT	TT	INTERGENIC		
SNP_32746B_18188451	Ca_Kabuli_Chr07	NC_021166.1	18188451	AA	TT	CC	INTERGENIC		
SNP_32748B_18198990	Ca_Kabuli_Chr07	NC_021166.1	18198990	GG	AA	AA	DRR	101514197	uncharacterized LOC101514197
SNP_32749B_18198998	Ca_Kabuli_Chr07	NC_021166.1	18198998	GG	TT	TT	DRR	101514197	uncharacterized LOC101514197
SNP_32750B_18199007	Ca_Kabuli_Chr07	NC_021166.1	18199007	GG	TT	TT	DRR	101514197	uncharacterized LOC101514197
SNP_32751B_18199059	Ca_Kabuli_Chr07	NC_021166.1	18199059	GG	AA	AA	SYNONYMOUS_CODING	101514197	uncharacterized LOC101514197
SNP_32752B_18199084	Ca_Kabuli_Chr07	NC_021166.1	18199084	TT	CC	CC	NON_SYNONYMOUS_CODING	101514197	uncharacterized LOC101514197
SNP_32753B_18199086	Ca_Kabuli_Chr07	NC_021166.1	18199086	AA	TT	TT	NON_SYNONYMOUS_CODING	101514197	uncharacterized LOC101514197
SNP_32754B_18199484	Ca_Kabuli_Chr07	NC_021166.1	18199484	GG	AA	AA	INTRON	101514197	uncharacterized LOC101514197
SNP_32755B_18199485	Ca_Kabuli_Chr07	NC_021166.1	18199485	GG	AA	AA	INTRON	101514197	uncharacterized LOC101514197
SNP_32756B_18199523	Ca_Kabuli_Chr07	NC_021166.1	18199523	GG	AA	AA	INTRON	101514197	uncharacterized LOC101514197
SNP_32757B_18199524	Ca_Kabuli_Chr07	NC_021166.1	18199524	TT	GG	GG	INTRON	101514197	uncharacterized LOC101514197
SNP_32758B_18199539	Ca_Kabuli_Chr07	NC_021166.1	18199539	TT	AA	AA	INTRON	101514197	uncharacterized LOC101514197
SNP_32759B_18211303	Ca_Kabuli_Chr07	NC_021166.1	18211303	GG	AA	AA	INTERGENIC		
SNP_32760B_18211555	Ca_Kabuli_Chr07	NC_021166.1	18211555	TT	GG	GG	INTERGENIC		
SNP_32761B_18234962	Ca_Kabuli_Chr07	NC_021166.1	18234962	CC	TT	TT	URR	101514520	uncharacterized LOC101514520
SNP_32762B_18282177	Ca_Kabuli_Chr07	NC_021166.1	18282177	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_32763B_18328300	Ca_Kabuli_Chr07	NC_021166.1	18328300	GG	AA	AA	URR	101515487	uncharacterized LOC101515487
SNP_32764B_18332792	Ca_Kabuli_Chr07	NC_021166.1	18332792	CC	AA	AA	INTERGENIC		
SNP_32765B_18332816	Ca_Kabuli_Chr07	NC_021166.1	18332816	CC	TT	TT	INTERGENIC		
SNP_32766B_18332822	Ca_Kabuli_Chr07	NC_021166.1	18332822	CC	TT	TT	INTERGENIC		
SNP_32767B_18332825	Ca_Kabuli_Chr07	NC_021166.1	18332825	CC	TT	TT	INTERGENIC		
SNP_32769B_18332831	Ca_Kabuli_Chr07	NC_021166.1	18332831	TT	CC	CC	INTERGENIC		
SNP_32770B_18332915	Ca_Kabuli_Chr07	NC_021166.1	18332915	GG	AA	AA	INTERGENIC		
SNP_32771B_18333209	Ca_Kabuli_Chr07	NC_021166.1	18333209	CC	TT	TT	INTERGENIC		
SNP_32773B_18362532	Ca_Kabuli_Chr07	NC_021166.1	18362532	CC	TT	TT	DRR	101488240	uncharacterized LOC101488240
SNP_32774B_18363569	Ca_Kabuli_Chr07	NC_021166.1	18363569	TT	CC	CC	NON_SYNONYMOUS_CODING	101488240	uncharacterized LOC101488240
SNP_32775B_18408754	Ca_Kabuli_Chr07	NC_021166.1	18408754	GG	AA	AA	DRR	101489237	uncharacterized LOC101489237
SNP_32776B_18408758	Ca_Kabuli_Chr07	NC_021166.1	18408758	CC	TT	TT	DRR	101489237	uncharacterized LOC101489237
SNP_32777B_18409517	Ca_Kabuli_Chr07	NC_021166.1	18409517	AA	GG	GG	NON_SYNONYMOUS_CODING	101489237	uncharacterized LOC101489237
SNP_32779B_18459289	Ca_Kabuli_Chr07	NC_021166.1	18459289	TT	GG	GG	INTERGENIC		
SNP_32780B_18516089	Ca_Kabuli_Chr07	NC_021166.1	18516089	AA	TT	TT	INTERGENIC		
SNP_32781B_18539501	Ca_Kabuli_Chr07	NC_021166.1	18539501	CC	TT	TT	INTERGENIC		
SNP_32782B_18539507	Ca_Kabuli_Chr07	NC_021166.1	18539507	CC	TT	TT	INTERGENIC		
SNP_32783B_18539621	Ca_Kabuli_Chr07	NC_021166.1	18539621	AA	GG	GG	INTERGENIC		
SNP_32784B_18539674	Ca_Kabuli_Chr07	NC_021166.1	18539674	GG	TT	TT	INTERGENIC		
SNP_32785B_18539689	Ca_Kabuli_Chr07	NC_021166.1	18539689	AA	GG	GG	INTERGENIC		
SNP_32786B_18539713	Ca_Kabuli_Chr07	NC_021166.1	18539713	TT	CC	CC	INTERGENIC		
SNP_32787B_18540122	Ca_Kabuli_Chr07	NC_021166.1	18540122	AA	GG	GG	INTERGENIC		
SNP_32788B_18587495	Ca_Kabuli_Chr07	NC_021166.1	18587495	TT	GG	GG	INTERGENIC		
SNP_32789B_18587510	Ca_Kabuli_Chr07	NC_021166.1	18587510	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_32790B_18587524	Ca_Kabuli_Chr07	NC_021166.1	18587524	CC	TT	TT	INTERGENIC		
SNP_32791B_18587533	Ca_Kabuli_Chr07	NC_021166.1	18587533	TT	CC	CC	INTERGENIC		
SNP_32792B_18587546	Ca_Kabuli_Chr07	NC_021166.1	18587546	AA	TT	TT	INTERGENIC		
SNP_32793B_18587563	Ca_Kabuli_Chr07	NC_021166.1	18587563	TT	CC	CC	INTERGENIC		
SNP_32794B_18587603	Ca_Kabuli_Chr07	NC_021166.1	18587603	CC	TT	TT	INTERGENIC		
SNP_32795B_18587607	Ca_Kabuli_Chr07	NC_021166.1	18587607	CC	TT	TT	INTERGENIC		
SNP_32797B_18587706	Ca_Kabuli_Chr07	NC_021166.1	18587706	GG	AA	AA	INTERGENIC		
SNP_32798B_18587760	Ca_Kabuli_Chr07	NC_021166.1	18587760	AA	GG	GG	INTERGENIC		
SNP_32799B_18587763	Ca_Kabuli_Chr07	NC_021166.1	18587763	TT	CC	CC	INTERGENIC		
SNP_32800B_18587764	Ca_Kabuli_Chr07	NC_021166.1	18587764	GG	CC	CC	INTERGENIC		
SNP_32801B_18587772	Ca_Kabuli_Chr07	NC_021166.1	18587772	AA	GG	GG	INTERGENIC		
SNP_32802B_18587853	Ca_Kabuli_Chr07	NC_021166.1	18587853	GG	AA	AA	INTERGENIC		
SNP_32803B_18588046	Ca_Kabuli_Chr07	NC_021166.1	18588046	GG	TT	TT	INTERGENIC		
SNP_32804B_18588091	Ca_Kabuli_Chr07	NC_021166.1	18588091	AA	GG	GG	INTERGENIC		
SNP_32805B_18588184	Ca_Kabuli_Chr07	NC_021166.1	18588184	AA	TT	TT	INTERGENIC		
SNP_32806B_18588221	Ca_Kabuli_Chr07	NC_021166.1	18588221	AA	TT	TT	INTERGENIC		
SNP_32807B_18588341	Ca_Kabuli_Chr07	NC_021166.1	18588341	TT	AA	AA	INTERGENIC		
SNP_32808B_18588411	Ca_Kabuli_Chr07	NC_021166.1	18588411	TT	AA	AA	INTERGENIC		
SNP_32809B_18588443	Ca_Kabuli_Chr07	NC_021166.1	18588443	CC	AA	AA	INTERGENIC		
SNP_32810B_18588451	Ca_Kabuli_Chr07	NC_021166.1	18588451	TT	CC	CC	INTERGENIC		
SNP_32811B_18588488	Ca_Kabuli_Chr07	NC_021166.1	18588488	AA	CC	CC	INTERGENIC		
SNP_32812B_18588599	Ca_Kabuli_Chr07	NC_021166.1	18588599	TT	CC	CC	INTERGENIC		
SNP_32813B_18588642	Ca_Kabuli_Chr07	NC_021166.1	18588642	TT	CC	CC	INTERGENIC		
SNP_32815B_18588743	Ca_Kabuli_Chr07	NC_021166.1	18588743	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_32816B_18588753	Ca_Kabuli_Chr07	NC_021166.1	18588753	TT	CC	CC	INTERGENIC		
SNP_32817B_18588761	Ca_Kabuli_Chr07	NC_021166.1	18588761	TT	CC	CC	INTERGENIC		
SNP_32818B_18588812	Ca_Kabuli_Chr07	NC_021166.1	18588812	CC	AA	AA	INTERGENIC		
SNP_32819B_18589037	Ca_Kabuli_Chr07	NC_021166.1	18589037	AA	CC	CC	INTERGENIC		
SNP_32820B_18589762	Ca_Kabuli_Chr07	NC_021166.1	18589762	AA	GG	GG	INTERGENIC		
SNP_32821B_18589764	Ca_Kabuli_Chr07	NC_021166.1	18589764	GG	AA	AA	INTERGENIC		
SNP_32822B_18589787	Ca_Kabuli_Chr07	NC_021166.1	18589787	TT	CC	CC	INTERGENIC		
SNP_32823B_18589838	Ca_Kabuli_Chr07	NC_021166.1	18589838	GG	AA	AA	INTERGENIC		
SNP_32824B_18589912	Ca_Kabuli_Chr07	NC_021166.1	18589912	AA	GG	GG	INTERGENIC		
SNP_32825B_18739595	Ca_Kabuli_Chr07	NC_021166.1	18739595	GG	AA	AA	INTERGENIC		
SNP_32826B_18765173	Ca_Kabuli_Chr07	NC_021166.1	18765173	CC	TT	TT	INTERGENIC		
SNP_32827B_18765186	Ca_Kabuli_Chr07	NC_021166.1	18765186	GG	AA	AA	INTERGENIC		
SNP_32828B_18765696	Ca_Kabuli_Chr07	NC_021166.1	18765696	TT	CC	CC	INTERGENIC		
SNP_32829B_18792254	Ca_Kabuli_Chr07	NC_021166.1	18792254	TT	CC	CC	INTERGENIC		
SNP_32830B_18918339	Ca_Kabuli_Chr07	NC_021166.1	18918339	AA	TT	TT	INTERGENIC		
SNP_32831B_18934159	Ca_Kabuli_Chr07	NC_021166.1	18934159	GG	AA	AA	INTERGENIC		
SNP_32832B_18935480	Ca_Kabuli_Chr07	NC_021166.1	18935480	AA	TT	TT	INTERGENIC		
SNP_32833B_18935486	Ca_Kabuli_Chr07	NC_021166.1	18935486	TT	AA	AA	INTERGENIC		
SNP_32834B_18974796	Ca_Kabuli_Chr07	NC_021166.1	18974796	GG	AA	AA	INTERGENIC		
SNP_32835B_18982757	Ca_Kabuli_Chr07	NC_021166.1	18982757	TT	CC	CC	INTERGENIC		
SNP_32836B_18984905	Ca_Kabuli_Chr07	NC_021166.1	18984905	TT	GG	GG	INTERGENIC		
SNP_32837B_19083950	Ca_Kabuli_Chr07	NC_021166.1	19083950	GG	AA	AA	INTERGENIC		
SNP_32838B_19091963	Ca_Kabuli_Chr07	NC_021166.1	19091963	TT	CC	CC	INTRON	101495386	very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase PASTICCINO 2A-like
SNP_32840B_19126760	Ca_Kabuli_Chr07	NC_021166.1	19126760	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_32841B_19126833	Ca_Kabuli_Chr07	NC_021166.1	19126833	TT	CC	CC	INTERGENIC		
SNP_32842B_19289322	Ca_Kabuli_Chr07	NC_021166.1	19289322	GG	AA	AA	INTERGENIC		
SNP_32843B_19296559	Ca_Kabuli_Chr07	NC_021166.1	19296559	CC	GG	GG	DRR	101502500	uncharacterized LOC101502500
SNP_32844B_19359983	Ca_Kabuli_Chr07	NC_021166.1	19359983	TT	CC	CC	URR	101502399	uncharacterized LOC101502399
SNP_32845B_19360291	Ca_Kabuli_Chr07	NC_021166.1	19360291	AA	GG	GG	URR	101502399	uncharacterized LOC101502399
SNP_32846B_19360296	Ca_Kabuli_Chr07	NC_021166.1	19360296	GG	AA	AA	URR	101502399	uncharacterized LOC101502399
SNP_32847B_19360339	Ca_Kabuli_Chr07	NC_021166.1	19360339	AA	CC	CC	URR	101502399	uncharacterized LOC101502399
SNP_32848B_19510905	Ca_Kabuli_Chr07	NC_021166.1	19510905	AA	CC	CC	INTERGENIC		
SNP_32849B_19510966	Ca_Kabuli_Chr07	NC_021166.1	19510966	TT	GG	GG	INTERGENIC		
SNP_32850B_19511327	Ca_Kabuli_Chr07	NC_021166.1	19511327	TT	CC	CC	INTERGENIC		
SNP_32851B_19511334	Ca_Kabuli_Chr07	NC_021166.1	19511334	AA	CC	CC	INTERGENIC		
SNP_32852B_19516713	Ca_Kabuli_Chr07	NC_021166.1	19516713	GG	TT	TT	INTERGENIC		
SNP_32853B_19517031	Ca_Kabuli_Chr07	NC_021166.1	19517031	TT	CC	CC	INTERGENIC		
SNP_32854B_19517105	Ca_Kabuli_Chr07	NC_021166.1	19517105	CC	AA	AA	INTERGENIC		
SNP_32856B_19553948	Ca_Kabuli_Chr07	NC_021166.1	19553948	GG	AA	AA	INTERGENIC		
SNP_32857B_19573264	Ca_Kabuli_Chr07	NC_021166.1	19573264	TT	GG	GG	INTERGENIC		
SNP_32858B_19583079	Ca_Kabuli_Chr07	NC_021166.1	19583079	GG	CC	CC	INTERGENIC		
SNP_32859B_19583917	Ca_Kabuli_Chr07	NC_021166.1	19583917	TT	CC	CC	INTERGENIC		
SNP_32860B_19584564	Ca_Kabuli_Chr07	NC_021166.1	19584564	CC	TT	TT	INTERGENIC		
SNP_32861B_19584566	Ca_Kabuli_Chr07	NC_021166.1	19584566	CC	TT	TT	INTERGENIC		
SNP_32862B_19584595	Ca_Kabuli_Chr07	NC_021166.1	19584595	TT	AA	AA	INTERGENIC		
SNP_32863B_19584596	Ca_Kabuli_Chr07	NC_021166.1	19584596	TT	CC	CC	INTERGENIC		
SNP_32864B_19584613	Ca_Kabuli_Chr07	NC_021166.1	19584613	AA	GG	GG	INTERGENIC		
SNP_32865B_19584619	Ca_Kabuli_Chr07	NC_021166.1	19584619	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_32866B_19584623	Ca_Kabuli_Chr07	NC_021166.1	19584623	AA	CC	CC	INTERGENIC		
SNP_32867B_19584628	Ca_Kabuli_Chr07	NC_021166.1	19584628	AA	GG	GG	INTERGENIC		
SNP_32868B_19584632	Ca_Kabuli_Chr07	NC_021166.1	19584632	TT	GG	GG	INTERGENIC		
SNP_32869B_19584633	Ca_Kabuli_Chr07	NC_021166.1	19584633	AA	TT	TT	INTERGENIC		
SNP_32870B_19584679	Ca_Kabuli_Chr07	NC_021166.1	19584679	AA	TT	TT	INTERGENIC		
SNP_32871B_19584680	Ca_Kabuli_Chr07	NC_021166.1	19584680	GG	AA	AA	INTERGENIC		
SNP_32872B_19584726	Ca_Kabuli_Chr07	NC_021166.1	19584726	AA	TT	TT	INTERGENIC		
SNP_32875B_19625491	Ca_Kabuli_Chr07	NC_021166.1	19625491	TT	CC	CC	INTERGENIC		
SNP_32876B_19646854	Ca_Kabuli_Chr07	NC_021166.1	19646854	TT	GG	GG	INTERGENIC		
SNP_32877B_19673232	Ca_Kabuli_Chr07	NC_021166.1	19673232	GG	AA	AA	INTERGENIC		
SNP_32878B_19696220	Ca_Kabuli_Chr07	NC_021166.1	19696220	GG	CC	CC	INTERGENIC		
SNP_32879B_19696221	Ca_Kabuli_Chr07	NC_021166.1	19696221	AA	CC	CC	INTERGENIC		
SNP_32881B_19732025	Ca_Kabuli_Chr07	NC_021166.1	19732025	GG	AA	AA	DRR	101506358	uncharacterized LOC101506358
SNP_32882B_19732045	Ca_Kabuli_Chr07	NC_021166.1	19732045	CC	GG	GG	DRR	101506358	uncharacterized LOC101506358
SNP_32883B_19732089	Ca_Kabuli_Chr07	NC_021166.1	19732089	TT	CC	CC	SYNONYMOUS_CODING	101506358	uncharacterized LOC101506358
SNP_32884B_19732117	Ca_Kabuli_Chr07	NC_021166.1	19732117	TT	CC	CC	NON_SYNONYMOUS_CODING	101506358	uncharacterized LOC101506358
SNP_32885B_19732168	Ca_Kabuli_Chr07	NC_021166.1	19732168	GG	AA	AA	NON_SYNONYMOUS_CODING	101506358	uncharacterized LOC101506358
SNP_32886B_19761229	Ca_Kabuli_Chr07	NC_021166.1	19761229	TT	CC	CC	INTERGENIC		
SNP_32888B_19786603	Ca_Kabuli_Chr07	NC_021166.1	19786603	CC	AA	AA	INTERGENIC		
SNP_32889B_19786609	Ca_Kabuli_Chr07	NC_021166.1	19786609	AA	TT	TT	INTERGENIC		
SNP_32890B_19786645	Ca_Kabuli_Chr07	NC_021166.1	19786645	CC	AA	AA	INTERGENIC		
SNP_32891B_19823250	Ca_Kabuli_Chr07	NC_021166.1	19823250	TT	CC	CC	INTERGENIC		
SNP_32892B_19823562	Ca_Kabuli_Chr07	NC_021166.1	19823562	GG	TT	TT	INTERGENIC		
SNP_32893B_19830253	Ca_Kabuli_Chr07	NC_021166.1	19830253	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_32896B_19860604	Ca_Kabuli_Chr07	NC_021166.1	19860604	TT	AA	AA	INTERGENIC		
SNP_32897B_19860614	Ca_Kabuli_Chr07	NC_021166.1	19860614	CC	TT	TT	INTERGENIC		
SNP_32898B_19860852	Ca_Kabuli_Chr07	NC_021166.1	19860852	TT	CC	CC	INTERGENIC		
SNP_32899B_19860885	Ca_Kabuli_Chr07	NC_021166.1	19860885	CC	AA	AA	INTERGENIC		
SNP_32901B_19866891	Ca_Kabuli_Chr07	NC_021166.1	19866891	TT	CC	CC	INTERGENIC		
SNP_32902B_19886275	Ca_Kabuli_Chr07	NC_021166.1	19886275	AA	GG	GG	INTERGENIC		
SNP_32903B_19889509	Ca_Kabuli_Chr07	NC_021166.1	19889509	CC	TT	TT	INTRON	101509030	protein TORNADO 2-like
SNP_32904B_19977319	Ca_Kabuli_Chr07	NC_021166.1	19977319	AA	GG	GG	INTERGENIC		
SNP_32905B_19977357	Ca_Kabuli_Chr07	NC_021166.1	19977357	TT	CC	CC	INTERGENIC		
SNP_32906B_19977516	Ca_Kabuli_Chr07	NC_021166.1	19977516	AA	GG	GG	INTERGENIC		
SNP_32907B_19977803	Ca_Kabuli_Chr07	NC_021166.1	19977803	AA	GG	GG	INTERGENIC		
SNP_32908B_20032827	Ca_Kabuli_Chr07	NC_021166.1	20032827	TT	AA	AA	URR	101511713	sucrose transport protein SUC8-like
SNP_32909B_20032934	Ca_Kabuli_Chr07	NC_021166.1	20032934	TT	CC	CC	URR	101511713	sucrose transport protein SUC8-like
SNP_32910B_20034968	Ca_Kabuli_Chr07	NC_021166.1	20034968	CC	TT	TT	INTERGENIC		
SNP_32911B_20035540	Ca_Kabuli_Chr07	NC_021166.1	20035540	GG	AA	AA	INTERGENIC		
SNP_32913B_20060126	Ca_Kabuli_Chr07	NC_021166.1	20060126	AA	GG	GG	INTERGENIC		
SNP_32914B_20060186	Ca_Kabuli_Chr07	NC_021166.1	20060186	CC	AA	AA	INTERGENIC		
SNP_32915B_20060227	Ca_Kabuli_Chr07	NC_021166.1	20060227	CC	TT	TT	INTERGENIC		
SNP_32916B_20060431	Ca_Kabuli_Chr07	NC_021166.1	20060431	AA	TT	TT	INTERGENIC		
SNP_32917B_20060484	Ca_Kabuli_Chr07	NC_021166.1	20060484	GG	AA	AA	INTERGENIC		
SNP_32918B_20077992	Ca_Kabuli_Chr07	NC_021166.1	20077992	GG	CC	CC	INTERGENIC		
SNP_32919B_20078378	Ca_Kabuli_Chr07	NC_021166.1	20078378	TT	CC	CC	INTERGENIC		
SNP_32920B_20078442	Ca_Kabuli_Chr07	NC_021166.1	20078442	GG	AA	AA	INTERGENIC		
SNP_32921B_20172194	Ca_Kabuli_Chr07	NC_021166.1	20172194	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_32922B_20172199	Ca_Kabuli_Chr07	NC_021166.1	20172199	TT	CC	CC	INTERGENIC		
SNP_32923B_20172527	Ca_Kabuli_Chr07	NC_021166.1	20172527	AA	GG	GG	INTERGENIC		
SNP_32924B_20172548	Ca_Kabuli_Chr07	NC_021166.1	20172548	CC	TT	TT	INTERGENIC		
SNP_32925B_20172574	Ca_Kabuli_Chr07	NC_021166.1	20172574	TT	GG	GG	INTERGENIC		
SNP_32926B_20172583	Ca_Kabuli_Chr07	NC_021166.1	20172583	AA	GG	GG	INTERGENIC		
SNP_32927B_20217423	Ca_Kabuli_Chr07	NC_021166.1	20217423	AA	GG	GG	INTERGENIC		
SNP_32928B_20217434	Ca_Kabuli_Chr07	NC_021166.1	20217434	TT	AA	AA	INTERGENIC		
SNP_32929B_20217532	Ca_Kabuli_Chr07	NC_021166.1	20217532	CC	GG	GG	INTERGENIC		
SNP_32930B_20217901	Ca_Kabuli_Chr07	NC_021166.1	20217901	TT	CC	CC	INTERGENIC		
SNP_32931B_20251950	Ca_Kabuli_Chr07	NC_021166.1	20251950	TT	GG	GG	DRR	101488914	probable pre-mRNA-splicing factor ATP-dependent RNA helicase
SNP_32932B_20251970	Ca_Kabuli_Chr07	NC_021166.1	20251970	GG	AA	AA	DRR	101488914	probable pre-mRNA-splicing factor ATP-dependent RNA helicase
SNP_32933B_20252334	Ca_Kabuli_Chr07	NC_021166.1	20252334	TT	AA	AA	URR	101489238	uncharacterized LOC101489238
SNP_32935B_20252613	Ca_Kabuli_Chr07	NC_021166.1	20252613	AA	GG	GG	URR	101489238	uncharacterized LOC101489238
SNP_32936B_20331829	Ca_Kabuli_Chr07	NC_021166.1	20331829	CC	AA	AA	INTERGENIC		
SNP_32937B_20358954	Ca_Kabuli_Chr07	NC_021166.1	20358954	TT	CC	CC	INTERGENIC		
SNP_32938B_20406078	Ca_Kabuli_Chr07	NC_021166.1	20406078	AA	CC	CC	INTERGENIC		
SNP_32939B_20450586	Ca_Kabuli_Chr07	NC_021166.1	20450586	TT	AA	AA	DRR	101493042	receptor-like cytosolic serine/threonine-protein kinase RBK1
SNP_32940B_20450908	Ca_Kabuli_Chr07	NC_021166.1	20450908	AA	GG	GG	DRR	101493042	receptor-like cytosolic serine/threonine-protein kinase RBK1
SNP_32941B_20458155	Ca_Kabuli_Chr07	NC_021166.1	20458155	TT	CC	CC	URR	101493042	receptor-like cytosolic serine/threonine-protein kinase RBK1
SNP_32942B_20463294	Ca_Kabuli_Chr07	NC_021166.1	20463294	CC	TT	TT	DRR	101512133	Unknown function
SNP_32943B_20463398	Ca_Kabuli_Chr07	NC_021166.1	20463398	AA	GG	GG	DRR	101512133	Unknown function
SNP_32944B_20463456	Ca_Kabuli_Chr07	NC_021166.1	20463456	TT	GG	GG	DRR	101512133	Unknown function
SNP_32945B_20463608	Ca_Kabuli_Chr07	NC_021166.1	20463608	CC	GG	GG	DRR	101512133	Unknown function
SNP_32946B_20463810	Ca_Kabuli_Chr07	NC_021166.1	20463810	CC	TT	TT	DRR	101512133	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_32948B_20464013	Ca_Kabuli_Chr07	NC_021166.1	20464013	GG	AA	AA	DRR	101512133	Unknown function
SNP_32949B_20464228	Ca_Kabuli_Chr07	NC_021166.1	20464228	AA	TT	TT	NON_SYNONYMOUS_CODING	101512133	Unknown function
SNP_32950B_20475319	Ca_Kabuli_Chr07	NC_021166.1	20475319	AA	GG	GG	DRR	101493580	Unknown function
SNP_32951B_20475383	Ca_Kabuli_Chr07	NC_021166.1	20475383	AA	CC	CC	DRR	101493580	Unknown function
SNP_32952B_20475442	Ca_Kabuli_Chr07	NC_021166.1	20475442	AA	CC	CC	DRR	101493580	Unknown function
SNP_32953B_20476776	Ca_Kabuli_Chr07	NC_021166.1	20476776	TT	CC	CC	DRR	101493787	uncharacterized LOC101493787
SNP_32954B_20480473	Ca_Kabuli_Chr07	NC_021166.1	20480473	AA	TT	TT	INTERGENIC		
SNP_32955B_20480594	Ca_Kabuli_Chr07	NC_021166.1	20480594	AA	CC	CC	INTERGENIC		
SNP_32956B_20480689	Ca_Kabuli_Chr07	NC_021166.1	20480689	TT	CC	CC	INTERGENIC		
SNP_32957B_20481891	Ca_Kabuli_Chr07	NC_021166.1	20481891	AA	GG	GG	INTERGENIC		
SNP_32958B_20482201	Ca_Kabuli_Chr07	NC_021166.1	20482201	TT	CC	CC	INTERGENIC		
SNP_32959B_20482203	Ca_Kabuli_Chr07	NC_021166.1	20482203	CC	TT	TT	INTERGENIC		
SNP_32960B_20482213	Ca_Kabuli_Chr07	NC_021166.1	20482213	AA	TT	TT	INTERGENIC		
SNP_32961B_20482229	Ca_Kabuli_Chr07	NC_021166.1	20482229	CC	TT	TT	INTERGENIC		
SNP_32962B_20482261	Ca_Kabuli_Chr07	NC_021166.1	20482261	GG	AA	AA	INTERGENIC		
SNP_32963B_20485171	Ca_Kabuli_Chr07	NC_021166.1	20485171	GG	TT	TT	DRR	101494007	putative disease resistance RPP13-like protein 1
SNP_32965B_20489152	Ca_Kabuli_Chr07	NC_021166.1	20489152	CC	TT	TT	NON_SYNONYMOUS_CODING	101494007	putative disease resistance RPP13-like protein 1
SNP_32966B_20493285	Ca_Kabuli_Chr07	NC_021166.1	20493285	CC	TT	TT	INTERGENIC		
SNP_32968B_20494410	Ca_Kabuli_Chr07	NC_021166.1	20494410	CC	TT	TT	INTERGENIC		
SNP_32969B_20495376	Ca_Kabuli_Chr07	NC_021166.1	20495376	CC	TT	TT	DRR	101494323	AP2-like ethylene-responsive transcription factor AIL6
SNP_32970B_20503340	Ca_Kabuli_Chr07	NC_021166.1	20503340	CC	AA	AA	INTERGENIC		
SNP_32973B_20506171	Ca_Kabuli_Chr07	NC_021166.1	20506171	AA	CC	CC	INTERGENIC		
SNP_32974B_20506286	Ca_Kabuli_Chr07	NC_021166.1	20506286	CC	TT	TT	INTERGENIC		
SNP_32975B_20510195	Ca_Kabuli_Chr07	NC_021166.1	20510195	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_32977B_20517119	Ca_Kabuli_Chr07	NC_021166.1	20517119	TT	CC	CC	INTERGENIC		
SNP_32978B_20520151	Ca_Kabuli_Chr07	NC_021166.1	20520151	TT	CC	CC	INTERGENIC		
SNP_32979B_20523797	Ca_Kabuli_Chr07	NC_021166.1	20523797	TT	CC	CC	INTERGENIC		
SNP_32980B_20524920	Ca_Kabuli_Chr07	NC_021166.1	20524920	AA	GG	GG	INTERGENIC		
SNP_32981B_20529180	Ca_Kabuli_Chr07	NC_021166.1	20529180	CC	AA	AA	INTERGENIC		
SNP_32982B_20534365	Ca_Kabuli_Chr07	NC_021166.1	20534365	TT	CC	CC	INTRON	101494849	putative U-box domain-containing protein 50
SNP_32984B_20539290	Ca_Kabuli_Chr07	NC_021166.1	20539290	TT	CC	CC	DRR	101495176	nucleobase-ascorbate transporter 11-like
SNP_32985B_20540570	Ca_Kabuli_Chr07	NC_021166.1	20540570	AA	TT	TT	URR	101494849	putative U-box domain-containing protein 50
SNP_32986B_20540780	Ca_Kabuli_Chr07	NC_021166.1	20540780	CC	TT	TT	URR	101494849	putative U-box domain-containing protein 50
SNP_32987B_20544515	Ca_Kabuli_Chr07	NC_021166.1	20544515	AA	GG	GG	INTRON	101495176	nucleobase-ascorbate transporter 11-like
SNP_32988B_20559775	Ca_Kabuli_Chr07	NC_021166.1	20559775	TT	AA	AA	INTERGENIC		
SNP_32989B_20559813	Ca_Kabuli_Chr07	NC_021166.1	20559813	AA	CC	CC	INTERGENIC		
SNP_32990B_20559846	Ca_Kabuli_Chr07	NC_021166.1	20559846	TT	CC	CC	INTERGENIC		
SNP_32991B_20559886	Ca_Kabuli_Chr07	NC_021166.1	20559886	GG	AA	AA	INTERGENIC		
SNP_32992B_20559935	Ca_Kabuli_Chr07	NC_021166.1	20559935	GG	TT	TT	INTERGENIC		
SNP_32993B_20559943	Ca_Kabuli_Chr07	NC_021166.1	20559943	CC	TT	TT	INTERGENIC		
SNP_32994B_20559950	Ca_Kabuli_Chr07	NC_021166.1	20559950	TT	AA	AA	INTERGENIC		
SNP_32995B_20560385	Ca_Kabuli_Chr07	NC_021166.1	20560385	CC	AA	AA	INTERGENIC		
SNP_32996B_20563982	Ca_Kabuli_Chr07	NC_021166.1	20563982	GG	AA	AA	SYNONYMOUS_CODING	101495826	protein NETWORKED 2D-like
SNP_32997B_20564024	Ca_Kabuli_Chr07	NC_021166.1	20564024	GG	AA	AA	SYNONYMOUS_CODING	101495826	protein NETWORKED 2D-like
SNP_32998B_20564266	Ca_Kabuli_Chr07	NC_021166.1	20564266	GG	AA	AA	NON_SYNONYMOUS_CODING	101495826	protein NETWORKED 2D-like
SNP_32999B_20564269	Ca_Kabuli_Chr07	NC_021166.1	20564269	CC	TT	TT	NON_SYNONYMOUS_CODING	101495826	protein NETWORKED 2D-like
SNP_33000B_20564297	Ca_Kabuli_Chr07	NC_021166.1	20564297	AA	GG	GG	SYNONYMOUS_CODING	101495826	protein NETWORKED 2D-like
SNP_33001B_20564968	Ca_Kabuli_Chr07	NC_021166.1	20564968	GG	CC	CC	INTRON	101495826	protein NETWORKED 2D-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_33002B_20566034	Ca_Kabuli_Chr07	NC_021166.1	20566034	AA	TT	TT	URR	101495826	protein NETWORKED 2D-like
SNP_33004B_20566434	Ca_Kabuli_Chr07	NC_021166.1	20566434	TT	CC	CC	URR	101495826	protein NETWORKED 2D-like
SNP_33005B_20566435	Ca_Kabuli_Chr07	NC_021166.1	20566435	TT	CC	CC	URR	101495826	protein NETWORKED 2D-like
SNP_33006B_20566441	Ca_Kabuli_Chr07	NC_021166.1	20566441	TT	AA	AA	URR	101495826	protein NETWORKED 2D-like
SNP_33009B_20575493	Ca_Kabuli_Chr07	NC_021166.1	20575493	AA	GG	GG	URR	101496149	uncharacterized LOC101496149
SNP_33010B_20578245	Ca_Kabuli_Chr07	NC_021166.1	20578245	AA	GG	GG	INTERGENIC		
SNP_33011B_20578372	Ca_Kabuli_Chr07	NC_021166.1	20578372	CC	TT	TT	INTERGENIC		
SNP_33012B_20578393	Ca_Kabuli_Chr07	NC_021166.1	20578393	AA	CC	CC	INTERGENIC		
SNP_33013B_20578424	Ca_Kabuli_Chr07	NC_021166.1	20578424	GG	AA	AA	INTERGENIC		
SNP_33014B_20578436	Ca_Kabuli_Chr07	NC_021166.1	20578436	TT	CC	CC	INTERGENIC		
SNP_33015B_20578450	Ca_Kabuli_Chr07	NC_021166.1	20578450	AA	GG	GG	INTERGENIC		
SNP_33016B_20615180	Ca_Kabuli_Chr07	NC_021166.1	20615180	AA	CC	CC	INTERGENIC		
SNP_33017B_20617280	Ca_Kabuli_Chr07	NC_021166.1	20617280	TT	GG	GG	URR	101496810	uncharacterized protein At1g04910
SNP_33018B_20617324	Ca_Kabuli_Chr07	NC_021166.1	20617324	AA	GG	GG	URR	101496810	uncharacterized protein At1g04910
SNP_33019B_20617446	Ca_Kabuli_Chr07	NC_021166.1	20617446	CC	TT	TT	URR	101496810	uncharacterized protein At1g04910
SNP_33020B_20617458	Ca_Kabuli_Chr07	NC_021166.1	20617458	TT	CC	CC	URR	101496810	uncharacterized protein At1g04910
SNP_33021B_20617460	Ca_Kabuli_Chr07	NC_021166.1	20617460	TT	CC	CC	URR	101496810	uncharacterized protein At1g04910
SNP_33024B_20626261	Ca_Kabuli_Chr07	NC_021166.1	20626261	GG	AA	AA	INTERGENIC		
SNP_33026B_20654066	Ca_Kabuli_Chr07	NC_021166.1	20654066	AA	GG	GG	INTERGENIC		
SNP_33027B_20911341	Ca_Kabuli_Chr07	NC_021166.1	20911341	GG	AA	AA	INTERGENIC		
SNP_33028B_20911355	Ca_Kabuli_Chr07	NC_021166.1	20911355	AA	CC	CC	INTERGENIC		
SNP_33029B_20911365	Ca_Kabuli_Chr07	NC_021166.1	20911365	TT	CC	CC	INTERGENIC		
SNP_33030B_20911372	Ca_Kabuli_Chr07	NC_021166.1	20911372	TT	CC	CC	INTERGENIC		
SNP_33031B_20911391	Ca_Kabuli_Chr07	NC_021166.1	20911391	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_33032B_20911420	Ca_Kabuli_Chr07	NC_021166.1	20911420	CC	TT	TT	INTERGENIC		
SNP_33033B_20934785	Ca_Kabuli_Chr07	NC_021166.1	20934785	TT	GG	GG	INTERGENIC		
SNP_33034B_20934890	Ca_Kabuli_Chr07	NC_021166.1	20934890	TT	CC	CC	INTERGENIC		
SNP_33035B_20934900	Ca_Kabuli_Chr07	NC_021166.1	20934900	TT	CC	CC	INTERGENIC		
SNP_33036B_20935186	Ca_Kabuli_Chr07	NC_021166.1	20935186	TT	AA	AA	INTERGENIC		
SNP_33037B_20935245	Ca_Kabuli_Chr07	NC_021166.1	20935245	TT	GG	GG	INTERGENIC		
SNP_33038B_20979446	Ca_Kabuli_Chr07	NC_021166.1	20979446	TT	AA	AA	INTERGENIC		
SNP_33039B_20985406	Ca_Kabuli_Chr07	NC_021166.1	20985406	GG	AA	AA	INTERGENIC		
SNP_33040B_20985426	Ca_Kabuli_Chr07	NC_021166.1	20985426	GG	AA	AA	INTERGENIC		
SNP_33041B_20985582	Ca_Kabuli_Chr07	NC_021166.1	20985582	TT	CC	CC	INTERGENIC		
SNP_33042B_20985726	Ca_Kabuli_Chr07	NC_021166.1	20985726	GG	TT	TT	INTERGENIC		
SNP_33043B_20985872	Ca_Kabuli_Chr07	NC_021166.1	20985872	CC	GG	GG	INTERGENIC		
SNP_33044B_20985893	Ca_Kabuli_Chr07	NC_021166.1	20985893	AA	GG	GG	INTERGENIC		
SNP_33045B_20985906	Ca_Kabuli_Chr07	NC_021166.1	20985906	AA	GG	GG	INTERGENIC		
SNP_33046B_20985921	Ca_Kabuli_Chr07	NC_021166.1	20985921	CC	TT	TT	INTERGENIC		
SNP_33047B_21078694	Ca_Kabuli_Chr07	NC_021166.1	21078694	TT	GG	GG	INTERGENIC		
SNP_33048B_21099495	Ca_Kabuli_Chr07	NC_021166.1	21099495	TT	AA	AA	INTERGENIC		
SNP_33049B_21099497	Ca_Kabuli_Chr07	NC_021166.1	21099497	TT	CC	CC	INTERGENIC		
SNP_33050B_21099505	Ca_Kabuli_Chr07	NC_021166.1	21099505	AA	CC	CC	INTERGENIC		
SNP_33051B_21099591	Ca_Kabuli_Chr07	NC_021166.1	21099591	AA	GG	GG	INTERGENIC		
SNP_33052B_21099683	Ca_Kabuli_Chr07	NC_021166.1	21099683	CC	TT	TT	INTERGENIC		
SNP_33054B_21103257	Ca_Kabuli_Chr07	NC_021166.1	21103257	TT	CC	CC	INTERGENIC		
SNP_33055B_21103362	Ca_Kabuli_Chr07	NC_021166.1	21103362	TT	AA	AA	INTERGENIC		
SNP_33056B_21104850	Ca_Kabuli_Chr07	NC_021166.1	21104850	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_33058B_21257668	Ca_Kabuli_Chr07	NC_021166.1	21257668	GG	AA	AA	SYNONYMOUS_CODING	101515284	uncharacterized LOC101515284
SNP_33059B_21257723	Ca_Kabuli_Chr07	NC_021166.1	21257723	AA	GG	GG	NON_SYNONYMOUS_CODING	101515284	uncharacterized LOC101515284
SNP_33060B_21257724	Ca_Kabuli_Chr07	NC_021166.1	21257724	TT	CC	CC	NON_SYNONYMOUS_CODING	101515284	uncharacterized LOC101515284
SNP_33061B_21257740	Ca_Kabuli_Chr07	NC_021166.1	21257740	CC	AA	AA	SYNONYMOUS_CODING	101515284	uncharacterized LOC101515284
SNP_33062B_21257853	Ca_Kabuli_Chr07	NC_021166.1	21257853	AA	GG	GG	SYNONYMOUS_CODING	101515284	uncharacterized LOC101515284
SNP_33063B_21307327	Ca_Kabuli_Chr07	NC_021166.1	21307327	GG	CC	CC	INTERGENIC		
SNP_33065B_21465151	Ca_Kabuli_Chr07	NC_021166.1	21465151	CC	AA	AA	INTERGENIC		
SNP_33066B_21473950	Ca_Kabuli_Chr07	NC_021166.1	21473950	CC	TT	TT	INTERGENIC		
SNP_33067B_21510487	Ca_Kabuli_Chr07	NC_021166.1	21510487	TT	AA	AA	INTRON	101494637	putative potassium transporter 12
SNP_33068B_21644342	Ca_Kabuli_Chr07	NC_021166.1	21644342	AA	GG	GG	URR	101489358	AP-1 complex subunit gamma-1-like
SNP_33069B_21658942	Ca_Kabuli_Chr07	NC_021166.1	21658942	AA	TT	TT	INTERGENIC		
SNP_33070B_21666450	Ca_Kabuli_Chr07	NC_021166.1	21666450	GG	AA	AA	INTERGENIC		
SNP_33071B_21666903	Ca_Kabuli_Chr07	NC_021166.1	21666903	AA	CC	CC	INTERGENIC		
SNP_33072B_21666949	Ca_Kabuli_Chr07	NC_021166.1	21666949	CC	TT	TT	INTERGENIC		
SNP_33074B_21674109	Ca_Kabuli_Chr07	NC_021166.1	21674109	TT	GG	GG	INTERGENIC		
SNP_33075B_21674134	Ca_Kabuli_Chr07	NC_021166.1	21674134	GG	AA	AA	INTERGENIC		
SNP_33076B_21674829	Ca_Kabuli_Chr07	NC_021166.1	21674829	CC	TT	TT	INTERGENIC		
SNP_33077B_21674884	Ca_Kabuli_Chr07	NC_021166.1	21674884	GG	AA	AA	INTERGENIC		
SNP_33078B_21675381	Ca_Kabuli_Chr07	NC_021166.1	21675381	AA	TT	TT	INTERGENIC		
SNP_33079B_21675491	Ca_Kabuli_Chr07	NC_021166.1	21675491	TT	CC	CC	INTERGENIC		
SNP_33080B_21677943	Ca_Kabuli_Chr07	NC_021166.1	21677943	AA	CC	CC	INTERGENIC		
SNP_33081B_21679984	Ca_Kabuli_Chr07	NC_021166.1	21679984	GG	AA	AA	INTERGENIC		
SNP_33082B_21680130	Ca_Kabuli_Chr07	NC_021166.1	21680130	AA	GG	GG	INTERGENIC		
SNP_33083B_21680289	Ca_Kabuli_Chr07	NC_021166.1	21680289	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_33084B_21681018	Ca_Kabuli_Chr07	NC_021166.1	21681018	GG	AA	AA	INTERGENIC		
SNP_33085B_21681195	Ca_Kabuli_Chr07	NC_021166.1	21681195	GG	AA	AA	INTERGENIC		
SNP_33086B_21681323	Ca_Kabuli_Chr07	NC_021166.1	21681323	AA	GG	GG	INTERGENIC		
SNP_33087B_21681446	Ca_Kabuli_Chr07	NC_021166.1	21681446	AA	GG	GG	INTERGENIC		
SNP_33088B_21681488	Ca_Kabuli_Chr07	NC_021166.1	21681488	AA	GG	GG	INTERGENIC		
SNP_33089B_21681507	Ca_Kabuli_Chr07	NC_021166.1	21681507	AA	GG	GG	INTERGENIC		
SNP_33090B_21681509	Ca_Kabuli_Chr07	NC_021166.1	21681509	AA	GG	GG	INTERGENIC		
SNP_33091B_21681544	Ca_Kabuli_Chr07	NC_021166.1	21681544	CC	TT	TT	INTERGENIC		
SNP_33092B_21681699	Ca_Kabuli_Chr07	NC_021166.1	21681699	TT	CC	CC	INTERGENIC		
SNP_33093B_21681782	Ca_Kabuli_Chr07	NC_021166.1	21681782	GG	AA	AA	INTERGENIC		
SNP_33094B_21681819	Ca_Kabuli_Chr07	NC_021166.1	21681819	CC	TT	TT	INTERGENIC		
SNP_33095B_21681916	Ca_Kabuli_Chr07	NC_021166.1	21681916	CC	TT	TT	INTERGENIC		
SNP_33096B_21681937	Ca_Kabuli_Chr07	NC_021166.1	21681937	GG	AA	AA	INTERGENIC		
SNP_33097B_21682238	Ca_Kabuli_Chr07	NC_021166.1	21682238	CC	TT	TT	INTERGENIC		
SNP_33098B_21682244	Ca_Kabuli_Chr07	NC_021166.1	21682244	TT	CC	CC	INTERGENIC		
SNP_33099B_21682563	Ca_Kabuli_Chr07	NC_021166.1	21682563	CC	TT	TT	INTERGENIC		
SNP_33100B_21682646	Ca_Kabuli_Chr07	NC_021166.1	21682646	GG	TT	TT	INTERGENIC		
SNP_33101B_21682888	Ca_Kabuli_Chr07	NC_021166.1	21682888	GG	AA	AA	INTERGENIC		
SNP_33102B_21683620	Ca_Kabuli_Chr07	NC_021166.1	21683620	GG	TT	TT	INTERGENIC		
SNP_33103B_21684632	Ca_Kabuli_Chr07	NC_021166.1	21684632	CC	TT	TT	INTERGENIC		
SNP_33104B_21684701	Ca_Kabuli_Chr07	NC_021166.1	21684701	TT	CC	CC	INTERGENIC		
SNP_33105B_21684966	Ca_Kabuli_Chr07	NC_021166.1	21684966	CC	AA	AA	INTERGENIC		
SNP_33107B_21686729	Ca_Kabuli_Chr07	NC_021166.1	21686729	GG	AA	AA	INTERGENIC		
SNP_33108B_21688110	Ca_Kabuli_Chr07	NC_021166.1	21688110	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_33109B_21728099	Ca_Kabuli_Chr07	NC_021166.1	21728099	CC	AA	AA	INTERGENIC		
SNP_33110B_21728301	Ca_Kabuli_Chr07	NC_021166.1	21728301	CC	GG	GG	INTERGENIC		
SNP_33111B_21728328	Ca_Kabuli_Chr07	NC_021166.1	21728328	TT	CC	CC	INTERGENIC		
SNP_33112B_21728332	Ca_Kabuli_Chr07	NC_021166.1	21728332	AA	GG	GG	INTERGENIC		
SNP_33113B_21728372	Ca_Kabuli_Chr07	NC_021166.1	21728372	AA	GG	GG	INTERGENIC		
SNP_33115B_21728437	Ca_Kabuli_Chr07	NC_021166.1	21728437	AA	CC	CC	INTERGENIC		
SNP_33116B_21728439	Ca_Kabuli_Chr07	NC_021166.1	21728439	CC	TT	TT	INTERGENIC		
SNP_33117B_21728485	Ca_Kabuli_Chr07	NC_021166.1	21728485	TT	CC	CC	INTERGENIC		
SNP_33118B_21728486	Ca_Kabuli_Chr07	NC_021166.1	21728486	GG	AA	AA	INTERGENIC		
SNP_33119B_21728570	Ca_Kabuli_Chr07	NC_021166.1	21728570	TT	GG	GG	INTERGENIC		
SNP_33120B_21728581	Ca_Kabuli_Chr07	NC_021166.1	21728581	GG	AA	AA	INTERGENIC		
SNP_33121B_21728728	Ca_Kabuli_Chr07	NC_021166.1	21728728	TT	CC	CC	INTERGENIC		
SNP_33122B_21728731	Ca_Kabuli_Chr07	NC_021166.1	21728731	GG	AA	AA	INTERGENIC		
SNP_33123B_21728821	Ca_Kabuli_Chr07	NC_021166.1	21728821	AA	CC	CC	INTERGENIC		
SNP_33124B_21728904	Ca_Kabuli_Chr07	NC_021166.1	21728904	CC	GG	GG	INTERGENIC		
SNP_33125B_21728928	Ca_Kabuli_Chr07	NC_021166.1	21728928	CC	TT	TT	INTERGENIC		
SNP_33126B_21728935	Ca_Kabuli_Chr07	NC_021166.1	21728935	GG	AA	AA	INTERGENIC		
SNP_33127B_21728966	Ca_Kabuli_Chr07	NC_021166.1	21728966	TT	CC	CC	INTERGENIC		
SNP_33129B_21729239	Ca_Kabuli_Chr07	NC_021166.1	21729239	AA	GG	GG	INTERGENIC		
SNP_33131B_21729493	Ca_Kabuli_Chr07	NC_021166.1	21729493	TT	AA	AA	INTERGENIC		
SNP_33132B_21729580	Ca_Kabuli_Chr07	NC_021166.1	21729580	AA	TT	TT	INTERGENIC		
SNP_33133B_21729657	Ca_Kabuli_Chr07	NC_021166.1	21729657	TT	AA	AA	INTERGENIC		
SNP_33134B_21729819	Ca_Kabuli_Chr07	NC_021166.1	21729819	AA	GG	GG	INTERGENIC		
SNP_33135B_21729872	Ca_Kabuli_Chr07	NC_021166.1	21729872	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_33136B_21730106	Ca_Kabuli_Chr07	NC_021166.1	21730106	CC	GG	GG	INTERGENIC		
SNP_33137B_21730144	Ca_Kabuli_Chr07	NC_021166.1	21730144	CC	TT	TT	INTERGENIC		
SNP_33138B_21730147	Ca_Kabuli_Chr07	NC_021166.1	21730147	TT	CC	CC	INTERGENIC		
SNP_33139B_21730540	Ca_Kabuli_Chr07	NC_021166.1	21730540	GG	TT	TT	INTERGENIC		
SNP_33140B_21730605	Ca_Kabuli_Chr07	NC_021166.1	21730605	TT	CC	CC	INTERGENIC		
SNP_33141B_21730608	Ca_Kabuli_Chr07	NC_021166.1	21730608	CC	GG	GG	INTERGENIC		
SNP_33142B_21730619	Ca_Kabuli_Chr07	NC_021166.1	21730619	CC	TT	TT	INTERGENIC		
SNP_33143B_21730625	Ca_Kabuli_Chr07	NC_021166.1	21730625	TT	GG	GG	INTERGENIC		
SNP_33144B_21730669	Ca_Kabuli_Chr07	NC_021166.1	21730669	TT	CC	CC	INTERGENIC		
SNP_33145B_21730757	Ca_Kabuli_Chr07	NC_021166.1	21730757	CC	AA	AA	INTERGENIC		
SNP_33146B_21730794	Ca_Kabuli_Chr07	NC_021166.1	21730794	TT	CC	CC	INTERGENIC		
SNP_33147B_21730842	Ca_Kabuli_Chr07	NC_021166.1	21730842	AA	TT	TT	INTERGENIC		
SNP_33148B_21730845	Ca_Kabuli_Chr07	NC_021166.1	21730845	AA	TT	TT	INTERGENIC		
SNP_33149B_21730868	Ca_Kabuli_Chr07	NC_021166.1	21730868	CC	AA	AA	INTERGENIC		
SNP_33150B_21730900	Ca_Kabuli_Chr07	NC_021166.1	21730900	CC	TT	TT	INTERGENIC		
SNP_33151B_21730905	Ca_Kabuli_Chr07	NC_021166.1	21730905	TT	CC	CC	INTERGENIC		
SNP_33152B_21730915	Ca_Kabuli_Chr07	NC_021166.1	21730915	GG	AA	AA	INTERGENIC		
SNP_33153B_21731046	Ca_Kabuli_Chr07	NC_021166.1	21731046	AA	GG	GG	INTERGENIC		
SNP_33154B_21731118	Ca_Kabuli_Chr07	NC_021166.1	21731118	GG	TT	TT	INTERGENIC		
SNP_33156B_21731209	Ca_Kabuli_Chr07	NC_021166.1	21731209	AA	CC	CC	INTERGENIC		
SNP_33157B_21731263	Ca_Kabuli_Chr07	NC_021166.1	21731263	TT	CC	CC	INTERGENIC		
SNP_33158B_21731266	Ca_Kabuli_Chr07	NC_021166.1	21731266	AA	TT	TT	INTERGENIC		
SNP_33159B_21731338	Ca_Kabuli_Chr07	NC_021166.1	21731338	TT	CC	CC	INTERGENIC		
SNP_33160B_21731395	Ca_Kabuli_Chr07	NC_021166.1	21731395	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_33161B_21731428	Ca_Kabuli_Chr07	NC_021166.1	21731428	TT	AA	AA	INTERGENIC		
SNP_33162B_21731558	Ca_Kabuli_Chr07	NC_021166.1	21731558	CC	TT	TT	INTERGENIC		
SNP_33163B_21732430	Ca_Kabuli_Chr07	NC_021166.1	21732430	GG	CC	CC	INTERGENIC		
SNP_33165B_21743385	Ca_Kabuli_Chr07	NC_021166.1	21743385	TT	AA	AA	DRR	101499316	transcription factor DIVARICATA-like
SNP_33166B_21743393	Ca_Kabuli_Chr07	NC_021166.1	21743393	TT	CC	CC	DRR	101499316	transcription factor DIVARICATA-like
SNP_33167B_21743428	Ca_Kabuli_Chr07	NC_021166.1	21743428	GG	CC	CC	DRR	101499316	transcription factor DIVARICATA-like
SNP_33168B_21743431	Ca_Kabuli_Chr07	NC_021166.1	21743431	TT	GG	GG	DRR	101499316	transcription factor DIVARICATA-like
SNP_33169B_21743435	Ca_Kabuli_Chr07	NC_021166.1	21743435	TT	AA	AA	DRR	101499316	transcription factor DIVARICATA-like
SNP_33171B_21743592	Ca_Kabuli_Chr07	NC_021166.1	21743592	TT	GG	GG	DRR	101499316	transcription factor DIVARICATA-like
SNP_33173B_21743638	Ca_Kabuli_Chr07	NC_021166.1	21743638	TT	CC	CC	DRR	101499316	transcription factor DIVARICATA-like
SNP_33174B_21743676	Ca_Kabuli_Chr07	NC_021166.1	21743676	GG	AA	AA	DRR	101499316	transcription factor DIVARICATA-like
SNP_33175B_21743739	Ca_Kabuli_Chr07	NC_021166.1	21743739	TT	CC	CC	DRR	101499316	transcription factor DIVARICATA-like
SNP_33176B_21743840	Ca_Kabuli_Chr07	NC_021166.1	21743840	CC	AA	AA	DRR	101499316	transcription factor DIVARICATA-like
SNP_33177B_21743843	Ca_Kabuli_Chr07	NC_021166.1	21743843	GG	AA	AA	DRR	101499316	transcription factor DIVARICATA-like
SNP_33178B_21743845	Ca_Kabuli_Chr07	NC_021166.1	21743845	TT	GG	GG	DRR	101499316	transcription factor DIVARICATA-like
SNP_33179B_21743929	Ca_Kabuli_Chr07	NC_021166.1	21743929	AA	GG	GG	DRR	101499316	transcription factor DIVARICATA-like
SNP_33181B_21744003	Ca_Kabuli_Chr07	NC_021166.1	21744003	AA	CC	CC	DRR	101499316	transcription factor DIVARICATA-like
SNP_33182B_21744273	Ca_Kabuli_Chr07	NC_021166.1	21744273	CC	TT	TT	URR	101499316	transcription factor DIVARICATA-like
SNP_33183B_21744355	Ca_Kabuli_Chr07	NC_021166.1	21744355	GG	AA	AA	NON_SYNONYMOUS_CODING	101499316	transcription factor DIVARICATA-like
SNP_33184B_21744514	Ca_Kabuli_Chr07	NC_021166.1	21744514	TT	CC	CC	NON_SYNONYMOUS_CODING	101499316	transcription factor DIVARICATA-like
SNP_33185B_21744821	Ca_Kabuli_Chr07	NC_021166.1	21744821	AA	GG	GG	INTRON	101499316	transcription factor DIVARICATA-like
SNP_33186B_21744856	Ca_Kabuli_Chr07	NC_021166.1	21744856	GG	AA	AA	INTRON	101499316	transcription factor DIVARICATA-like
SNP_33188B_21745657	Ca_Kabuli_Chr07	NC_021166.1	21745657	GG	AA	AA	INTRON	101499316	transcription factor DIVARICATA-like
SNP_33189B_21746578	Ca_Kabuli_Chr07	NC_021166.1	21746578	CC	TT	TT	URR	101499316	transcription factor DIVARICATA-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_33190B_21751146	Ca_Kabuli_Chr07	NC_021166.1	21751146	TT	CC	CC	INTERGENIC		
SNP_33191B_21756471	Ca_Kabuli_Chr07	NC_021166.1	21756471	CC	TT	TT	INTERGENIC		
SNP_33192B_21766124	Ca_Kabuli_Chr07	NC_021166.1	21766124	CC	TT	TT	INTERGENIC		
SNP_33193B_21766368	Ca_Kabuli_Chr07	NC_021166.1	21766368	AA	GG	GG	INTERGENIC		
SNP_33194B_21766436	Ca_Kabuli_Chr07	NC_021166.1	21766436	TT	GG	GG	INTERGENIC		
SNP_33195B_21766439	Ca_Kabuli_Chr07	NC_021166.1	21766439	CC	TT	TT	INTERGENIC		
SNP_33196B_21784541	Ca_Kabuli_Chr07	NC_021166.1	21784541	GG	AA	AA	INTERGENIC		
SNP_33197B_21818459	Ca_Kabuli_Chr07	NC_021166.1	21818459	TT	CC	CC	INTERGENIC		
SNP_33198B_21818483	Ca_Kabuli_Chr07	NC_021166.1	21818483	TT	GG	GG	INTERGENIC		
SNP_33200B_21818653	Ca_Kabuli_Chr07	NC_021166.1	21818653	AA	TT	TT	INTERGENIC		
SNP_33201B_21818654	Ca_Kabuli_Chr07	NC_021166.1	21818654	TT	AA	AA	INTERGENIC		
SNP_33202B_21818665	Ca_Kabuli_Chr07	NC_021166.1	21818665	CC	AA	AA	INTERGENIC		
SNP_33203B_21829279	Ca_Kabuli_Chr07	NC_021166.1	21829279	CC	TT	TT	INTERGENIC		
SNP_33204B_21835118	Ca_Kabuli_Chr07	NC_021166.1	21835118	TT	CC	CC	INTERGENIC		
SNP_33205B_21844399	Ca_Kabuli_Chr07	NC_021166.1	21844399	AA	GG	GG	DRR	101490984	eukaryotic initiation factor 4A-8-like
SNP_33206B_21888060	Ca_Kabuli_Chr07	NC_021166.1	21888060	TT	AA	AA	INTRON	101501750	nucleobase-ascorbate transporter 6-like
SNP_33207B_21949806	Ca_Kabuli_Chr07	NC_021166.1	21949806	GG	AA	AA	INTERGENIC		
SNP_33208B_21955129	Ca_Kabuli_Chr07	NC_021166.1	21955129	AA	GG	GG	INTERGENIC		
SNP_33209B_21955543	Ca_Kabuli_Chr07	NC_021166.1	21955543	CC	TT	TT	INTERGENIC		
SNP_33210B_21994249	Ca_Kabuli_Chr07	NC_021166.1	21994249	AA	GG	GG	INTERGENIC		
SNP_33211B_21994636	Ca_Kabuli_Chr07	NC_021166.1	21994636	TT	GG	GG	INTERGENIC		
SNP_33212B_21994650	Ca_Kabuli_Chr07	NC_021166.1	21994650	TT	CC	CC	INTERGENIC		
SNP_33213B_22027566	Ca_Kabuli_Chr07	NC_021166.1	22027566	TT	AA	AA	INTERGENIC		
SNP_33214B_22027615	Ca_Kabuli_Chr07	NC_021166.1	22027615	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_33215B_22034889	Ca_Kabuli_Chr07	NC_021166.1	22034889	TT	GG	GG	INTERGENIC		
SNP_33216B_22034999	Ca_Kabuli_Chr07	NC_021166.1	22034999	CC	TT	TT	INTERGENIC		
SNP_33217B_22035553	Ca_Kabuli_Chr07	NC_021166.1	22035553	AA	GG	GG	INTERGENIC		
SNP_33218B_22035657	Ca_Kabuli_Chr07	NC_021166.1	22035657	AA	GG	GG	INTERGENIC		
SNP_33219B_22036213	Ca_Kabuli_Chr07	NC_021166.1	22036213	GG	AA	AA	INTERGENIC		
SNP_33221B_22036380	Ca_Kabuli_Chr07	NC_021166.1	22036380	GG	AA	AA	INTERGENIC		
SNP_33222B_22037366	Ca_Kabuli_Chr07	NC_021166.1	22037366	CC	TT	TT	INTERGENIC		
SNP_33224B_22038167	Ca_Kabuli_Chr07	NC_021166.1	22038167	AA	CC	CC	INTERGENIC		
SNP_33225B_22038776	Ca_Kabuli_Chr07	NC_021166.1	22038776	AA	GG	GG	INTERGENIC		
SNP_33227B_22039682	Ca_Kabuli_Chr07	NC_021166.1	22039682	TT	CC	CC	DRR	101492599	transcription factor GTE12-like
SNP_33228B_22040905	Ca_Kabuli_Chr07	NC_021166.1	22040905	GG	AA	AA	SYNONYMOUS_CODING	101492599	transcription factor GTE12-like
SNP_33229B_22042181	Ca_Kabuli_Chr07	NC_021166.1	22042181	TT	GG	GG	URR	101492599	transcription factor GTE12-like
SNP_33230B_22042916	Ca_Kabuli_Chr07	NC_021166.1	22042916	CC	AA	AA	URR	101492599	transcription factor GTE12-like
SNP_33232B_22044990	Ca_Kabuli_Chr07	NC_021166.1	22044990	CC	AA	AA	INTERGENIC		
SNP_33234B_22046351	Ca_Kabuli_Chr07	NC_021166.1	22046351	CC	TT	TT	INTERGENIC		
SNP_33235B_22046592	Ca_Kabuli_Chr07	NC_021166.1	22046592	CC	TT	TT	INTERGENIC		
SNP_33239B_22047792	Ca_Kabuli_Chr07	NC_021166.1	22047792	TT	GG	GG	INTERGENIC		
SNP_33240B_22048306	Ca_Kabuli_Chr07	NC_021166.1	22048306	CC	TT	TT	INTERGENIC		
SNP_33241B_22048847	Ca_Kabuli_Chr07	NC_021166.1	22048847	AA	GG	GG	INTERGENIC		
SNP_33242B_22049336	Ca_Kabuli_Chr07	NC_021166.1	22049336	AA	TT	TT	INTERGENIC		
SNP_33243B_22049920	Ca_Kabuli_Chr07	NC_021166.1	22049920	TT	GG	GG	INTERGENIC		
SNP_33244B_22058011	Ca_Kabuli_Chr07	NC_021166.1	22058011	TT	AA	AA	INTERGENIC		
SNP_33245B_22058012	Ca_Kabuli_Chr07	NC_021166.1	22058012	TT	AA	AA	INTERGENIC		
SNP_33246B_22069260	Ca_Kabuli_Chr07	NC_021166.1	22069260	AA	CC	CC	INTRON	101503342	uncharacterized LOC101503342

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_33249B_22126059	Ca_Kabuli_Chr07	NC_021166.1	22126059	CC	GG	GG	INTERGENIC		
SNP_33250B_22146422	Ca_Kabuli_Chr07	NC_021166.1	22146422	GG	AA	AA	INTERGENIC		
SNP_33251B_22146698	Ca_Kabuli_Chr07	NC_021166.1	22146698	CC	TT	TT	INTERGENIC		
SNP_33253B_22146740	Ca_Kabuli_Chr07	NC_021166.1	22146740	AA	GG	GG	INTERGENIC		
SNP_33254B_22174122	Ca_Kabuli_Chr07	NC_021166.1	22174122	GG	AA	AA	INTERGENIC		
SNP_33255B_22187034	Ca_Kabuli_Chr07	NC_021166.1	22187034	CC	AA	AA	INTERGENIC		
SNP_33256B_22206712	Ca_Kabuli_Chr07	NC_021166.1	22206712	AA	GG	GG	INTERGENIC		
SNP_33257B_22229635	Ca_Kabuli_Chr07	NC_021166.1	22229635	CC	TT	TT	INTERGENIC		
SNP_33258B_22327210	Ca_Kabuli_Chr07	NC_021166.1	22327210	CC	TT	TT	INTERGENIC		
SNP_33259B_22327215	Ca_Kabuli_Chr07	NC_021166.1	22327215	TT	CC	CC	INTERGENIC		
SNP_33261B_22327632	Ca_Kabuli_Chr07	NC_021166.1	22327632	CC	AA	AA	INTERGENIC		
SNP_33262B_22330680	Ca_Kabuli_Chr07	NC_021166.1	22330680	GG	CC	CC	INTRON	101507015	transcription initiation factor TFIID subunit 4b-like
SNP_33263B_22330997	Ca_Kabuli_Chr07	NC_021166.1	22330997	GG	AA	AA	INTRON	101507015	transcription initiation factor TFIID subunit 4b-like
SNP_33264B_22331017	Ca_Kabuli_Chr07	NC_021166.1	22331017	GG	AA	AA	INTRON	101507015	transcription initiation factor TFIID subunit 4b-like
SNP_33265B_22354410	Ca_Kabuli_Chr07	NC_021166.1	22354410	AA	GG	GG	URR	101410586	transfer RNA asparagine (anticodon GUU)
SNP_33266B_22380548	Ca_Kabuli_Chr07	NC_021166.1	22380548	CC	AA	AA	INTERGENIC		
SNP_33268B_22456181	Ca_Kabuli_Chr07	NC_021166.1	22456181	TT	GG	GG	INTERGENIC		
SNP_33269B_22527751	Ca_Kabuli_Chr07	NC_021166.1	22527751	GG	AA	AA	INTERGENIC		
SNP_33270B_22564829	Ca_Kabuli_Chr07	NC_021166.1	22564829	AA	TT	TT	INTERGENIC		
SNP_33271B_22564852	Ca_Kabuli_Chr07	NC_021166.1	22564852	TT	GG	GG	INTERGENIC		
SNP_33272B_22565175	Ca_Kabuli_Chr07	NC_021166.1	22565175	GG	AA	AA	INTERGENIC		
SNP_33273B_22565198	Ca_Kabuli_Chr07	NC_021166.1	22565198	AA	TT	TT	INTERGENIC		
SNP_33274B_22587551	Ca_Kabuli_Chr07	NC_021166.1	22587551	CC	AA	AA	INTERGENIC		
SNP_33275B_22598081	Ca_Kabuli_Chr07	NC_021166.1	22598081	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_33276B_22664292	Ca_Kabuli_Chr07	NC_021166.1	22664292	AA	GG	GG	INTRON	101504426	protein FAR1-RELATED SEQUENCE 5-like
SNP_33277B_22700549	Ca_Kabuli_Chr07	NC_021166.1	22700549	CC	TT	TT	NON_SYNONYMOUS_CODING	101505724	kinesin-like protein KIF19
SNP_33278B_22700880	Ca_Kabuli_Chr07	NC_021166.1	22700880	GG	AA	AA	NON_SYNONYMOUS_CODING	101505724	kinesin-like protein KIF19
SNP_33279B_22700892	Ca_Kabuli_Chr07	NC_021166.1	22700892	AA	CC	CC	NON_SYNONYMOUS_CODING	101505724	kinesin-like protein KIF19
SNP_33280B_22700896	Ca_Kabuli_Chr07	NC_021166.1	22700896	AA	GG	GG	SYNONYMOUS_CODING	101505724	kinesin-like protein KIF19
SNP_33281B_22700898	Ca_Kabuli_Chr07	NC_021166.1	22700898	AA	GG	GG	NON_SYNONYMOUS_CODING	101505724	kinesin-like protein KIF19
SNP_33282B_22700903	Ca_Kabuli_Chr07	NC_021166.1	22700903	CC	TT	TT	NON_SYNONYMOUS_CODING	101505724	kinesin-like protein KIF19
SNP_33283B_22718942	Ca_Kabuli_Chr07	NC_021166.1	22718942	CC	AA	AA	INTERGENIC		
SNP_33284B_22753944	Ca_Kabuli_Chr07	NC_021166.1	22753944	AA	GG	GG	URR	101506046	phospholipid-transporting ATPase 3-like
SNP_33285B_22864273	Ca_Kabuli_Chr07	NC_021166.1	22864273	TT	CC	CC	INTERGENIC		
SNP_33286B_22864289	Ca_Kabuli_Chr07	NC_021166.1	22864289	CC	TT	TT	INTERGENIC		
SNP_33287B_22864330	Ca_Kabuli_Chr07	NC_021166.1	22864330	GG	AA	AA	INTERGENIC		
SNP_33288B_22912885	Ca_Kabuli_Chr07	NC_021166.1	22912885	CC	TT	TT	INTERGENIC		
SNP_33289B_22922025	Ca_Kabuli_Chr07	NC_021166.1	22922025	AA	GG	GG	INTERGENIC		
SNP_33290B_22922128	Ca_Kabuli_Chr07	NC_021166.1	22922128	GG	TT	TT	INTERGENIC		
SNP_33291B_22947030	Ca_Kabuli_Chr07	NC_021166.1	22947030	TT	CC	CC	INTERGENIC		
SNP_33292B_22953449	Ca_Kabuli_Chr07	NC_021166.1	22953449	AA	TT	TT	INTERGENIC		
SNP_33294B_22969875	Ca_Kabuli_Chr07	NC_021166.1	22969875	TT	CC	CC	INTERGENIC		
SNP_33295B_22969878	Ca_Kabuli_Chr07	NC_021166.1	22969878	GG	TT	TT	INTERGENIC		
SNP_33297B_22969944	Ca_Kabuli_Chr07	NC_021166.1	22969944	AA	GG	GG	INTERGENIC		
SNP_33298B_22980318	Ca_Kabuli_Chr07	NC_021166.1	22980318	CC	TT	TT	INTERGENIC		
SNP_33299B_22992416	Ca_Kabuli_Chr07	NC_021166.1	22992416	AA	CC	CC	INTERGENIC		
SNP_33300B_22992474	Ca_Kabuli_Chr07	NC_021166.1	22992474	AA	GG	GG	INTERGENIC		
SNP_33301B_22992492	Ca_Kabuli_Chr07	NC_021166.1	22992492	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_33302B_22992561	Ca_Kabuli_Chr07	NC_021166.1	22992561	CC	TT	TT	INTERGENIC		
SNP_33303B_22992570	Ca_Kabuli_Chr07	NC_021166.1	22992570	TT	GG	GG	INTERGENIC		
SNP_33305B_22992765	Ca_Kabuli_Chr07	NC_021166.1	22992765	CC	TT	TT	INTERGENIC		
SNP_33306B_22992802	Ca_Kabuli_Chr07	NC_021166.1	22992802	AA	CC	CC	INTERGENIC		
SNP_33307B_22992867	Ca_Kabuli_Chr07	NC_021166.1	22992867	TT	CC	CC	INTERGENIC		
SNP_33308B_22992878	Ca_Kabuli_Chr07	NC_021166.1	22992878	AA	GG	GG	INTERGENIC		
SNP_33309B_22992915	Ca_Kabuli_Chr07	NC_021166.1	22992915	CC	TT	TT	INTERGENIC		
SNP_33310B_22992985	Ca_Kabuli_Chr07	NC_021166.1	22992985	CC	AA	AA	INTERGENIC		
SNP_33311B_22995814	Ca_Kabuli_Chr07	NC_021166.1	22995814	CC	TT	TT	INTERGENIC		
SNP_33312B_23037533	Ca_Kabuli_Chr07	NC_021166.1	23037533	CC	TT	TT	INTERGENIC		
SNP_33313B_23037800	Ca_Kabuli_Chr07	NC_021166.1	23037800	GG	AA	AA	INTERGENIC		
SNP_33314B_23038213	Ca_Kabuli_Chr07	NC_021166.1	23038213	GG	AA	AA	INTERGENIC		
SNP_33315B_23038380	Ca_Kabuli_Chr07	NC_021166.1	23038380	AA	GG	GG	INTERGENIC		
SNP_33316B_23038537	Ca_Kabuli_Chr07	NC_021166.1	23038537	AA	TT	TT	INTERGENIC		
SNP_33317B_23040601	Ca_Kabuli_Chr07	NC_021166.1	23040601	TT	CC	CC	INTERGENIC		
SNP_33320B_23085664	Ca_Kabuli_Chr07	NC_021166.1	23085664	GG	AA	AA	INTRON	101508917	uncharacterized LOC101508917
SNP_33321B_23126448	Ca_Kabuli_Chr07	NC_021166.1	23126448	CC	TT	TT	URR	101509879	Unknown function
SNP_33322B_23127613	Ca_Kabuli_Chr07	NC_021166.1	23127613	GG	AA	AA	INTERGENIC		
SNP_33323B_23163580	Ca_Kabuli_Chr07	NC_021166.1	23163580	CC	TT	TT	INTERGENIC		
SNP_33324B_23193340	Ca_Kabuli_Chr07	NC_021166.1	23193340	AA	GG	GG	INTERGENIC		
SNP_33325B_23193557	Ca_Kabuli_Chr07	NC_021166.1	23193557	CC	TT	TT	INTERGENIC		
SNP_33326B_23193576	Ca_Kabuli_Chr07	NC_021166.1	23193576	AA	GG	GG	INTERGENIC		
SNP_33327B_23193577	Ca_Kabuli_Chr07	NC_021166.1	23193577	TT	CC	CC	INTERGENIC		
SNP_33328B_23193594	Ca_Kabuli_Chr07	NC_021166.1	23193594	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_33329B_23193619	Ca_Kabuli_Chr07	NC_021166.1	23193619	TT	GG	GG	INTERGENIC		
SNP_33330B_23230420	Ca_Kabuli_Chr07	NC_021166.1	23230420	TT	GG	GG	INTERGENIC		
SNP_33331B_23241247	Ca_Kabuli_Chr07	NC_021166.1	23241247	AA	CC	CC	INTERGENIC		
SNP_33332B_23241335	Ca_Kabuli_Chr07	NC_021166.1	23241335	GG	AA	AA	INTERGENIC		
SNP_33333B_23241701	Ca_Kabuli_Chr07	NC_021166.1	23241701	AA	CC	CC	INTERGENIC		
SNP_33334B_23246774	Ca_Kabuli_Chr07	NC_021166.1	23246774	TT	CC	CC	INTERGENIC		
SNP_33335B_23247163	Ca_Kabuli_Chr07	NC_021166.1	23247163	GG	AA	AA	INTERGENIC		
SNP_33336B_23247180	Ca_Kabuli_Chr07	NC_021166.1	23247180	CC	TT	TT	INTERGENIC		
SNP_33337B_23279617	Ca_Kabuli_Chr07	NC_021166.1	23279617	AA	GG	GG	INTERGENIC		
SNP_33338B_23285474	Ca_Kabuli_Chr07	NC_021166.1	23285474	AA	CC	CC	INTERGENIC		
SNP_33339B_23342375	Ca_Kabuli_Chr07	NC_021166.1	23342375	TT	GG	GG	INTERGENIC		
SNP_33340B_23361677	Ca_Kabuli_Chr07	NC_021166.1	23361677	GG	AA	AA	INTERGENIC		
SNP_33341B_23361706	Ca_Kabuli_Chr07	NC_021166.1	23361706	CC	GG	GG	INTERGENIC		
SNP_33342B_23627458	Ca_Kabuli_Chr07	NC_021166.1	23627458	AA	GG	GG	INTERGENIC		
SNP_33343B_23627473	Ca_Kabuli_Chr07	NC_021166.1	23627473	AA	GG	GG	INTERGENIC		
SNP_33344B_23627488	Ca_Kabuli_Chr07	NC_021166.1	23627488	AA	CC	CC	INTERGENIC		
SNP_33345B_23656788	Ca_Kabuli_Chr07	NC_021166.1	23656788	TT	CC	CC	INTERGENIC		
SNP_33346B_23658567	Ca_Kabuli_Chr07	NC_021166.1	23658567	AA	TT	TT	INTERGENIC		
SNP_33347B_23658590	Ca_Kabuli_Chr07	NC_021166.1	23658590	GG	AA	AA	INTERGENIC		
SNP_33348B_23661573	Ca_Kabuli_Chr07	NC_021166.1	23661573	AA	CC	CC	DRR	101491089	trifunctional UDP-glucose 4,6-dehydratase/UDP-4-keto-6-deoxy-D-glucose 3,5-epimerase/UDP-4-keto-L-rhamnose-reductase RHM1-like
SNP_33349B_23661579	Ca_Kabuli_Chr07	NC_021166.1	23661579	AA	GG	GG	DRR	101491089	trifunctional UDP-glucose 4,6-dehydratase/UDP-4-keto-6-deoxy-D-glucose 3,5-epimerase/UDP-4-keto-L-rhamnose-reductase RHM1-like
SNP_33351B_23667863	Ca_Kabuli_Chr07	NC_021166.1	23667863	CC	TT	TT	INTERGENIC		
SNP_33352B_23667867	Ca_Kabuli_Chr07	NC_021166.1	23667867	AA	GG	GG	INTERGENIC		
SNP_33353B_23667882	Ca_Kabuli_Chr07	NC_021166.1	23667882	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_33354B_23670250	Ca_Kabuli_Chr07	NC_021166.1	23670250	GG	AA	AA	INTERGENIC		
SNP_33355B_23691041	Ca_Kabuli_Chr07	NC_021166.1	23691041	AA	GG	GG	INTERGENIC		
SNP_33356B_23707932	Ca_Kabuli_Chr07	NC_021166.1	23707932	GG	AA	AA	INTERGENIC		
SNP_33357B_23707935	Ca_Kabuli_Chr07	NC_021166.1	23707935	AA	CC	CC	INTERGENIC		
SNP_33358B_23707981	Ca_Kabuli_Chr07	NC_021166.1	23707981	AA	GG	GG	INTERGENIC		
SNP_33359B_23751486	Ca_Kabuli_Chr07	NC_021166.1	23751486	GG	AA	AA	SYNONYMOUS_CODING	101492379	Unknown function
SNP_33360B_23766530	Ca_Kabuli_Chr07	NC_021166.1	23766530	GG	CC	CC	INTERGENIC		
SNP_33362B_23807157	Ca_Kabuli_Chr07	NC_021166.1	23807157	AA	GG	GG	INTERGENIC		
SNP_33363B_23807168	Ca_Kabuli_Chr07	NC_021166.1	23807168	AA	GG	GG	INTERGENIC		
SNP_33364B_23807184	Ca_Kabuli_Chr07	NC_021166.1	23807184	CC	TT	TT	INTERGENIC		
SNP_33365B_23807367	Ca_Kabuli_Chr07	NC_021166.1	23807367	AA	TT	TT	INTERGENIC		
SNP_33366B_23807396	Ca_Kabuli_Chr07	NC_021166.1	23807396	AA	GG	GG	INTERGENIC		
SNP_33367B_23807402	Ca_Kabuli_Chr07	NC_021166.1	23807402	CC	TT	TT	INTERGENIC		
SNP_33369B_23807450	Ca_Kabuli_Chr07	NC_021166.1	23807450	AA	TT	TT	INTERGENIC		
SNP_33370B_23808121	Ca_Kabuli_Chr07	NC_021166.1	23808121	CC	TT	TT	INTERGENIC		
SNP_33371B_23811810	Ca_Kabuli_Chr07	NC_021166.1	23811810	GG	TT	TT	INTERGENIC		
SNP_33372B_23826428	Ca_Kabuli_Chr07	NC_021166.1	23826428	GG	AA	AA	INTERGENIC		
SNP_33373B_23879151	Ca_Kabuli_Chr07	NC_021166.1	23879151	GG	TT	TT	INTERGENIC		
SNP_33374B_23879372	Ca_Kabuli_Chr07	NC_021166.1	23879372	GG	TT	TT	INTERGENIC		
SNP_33375B_23879380	Ca_Kabuli_Chr07	NC_021166.1	23879380	CC	TT	TT	INTERGENIC		
SNP_33376B_23879436	Ca_Kabuli_Chr07	NC_021166.1	23879436	CC	AA	AA	INTERGENIC		
SNP_33377B_23879451	Ca_Kabuli_Chr07	NC_021166.1	23879451	TT	AA	AA	INTERGENIC		
SNP_33378B_23879455	Ca_Kabuli_Chr07	NC_021166.1	23879455	TT	CC	CC	INTERGENIC		
SNP_33379B_23879477	Ca_Kabuli_Chr07	NC_021166.1	23879477	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_33380B_23879482	Ca_Kabuli_Chr07	NC_021166.1	23879482	TT	AA	AA	INTERGENIC		
SNP_33381B_23879513	Ca_Kabuli_Chr07	NC_021166.1	23879513	AA	TT	TT	INTERGENIC		
SNP_33382B_23879530	Ca_Kabuli_Chr07	NC_021166.1	23879530	AA	CC	CC	INTERGENIC		
SNP_33383B_23879531	Ca_Kabuli_Chr07	NC_021166.1	23879531	CC	AA	AA	INTERGENIC		
SNP_33384B_23879576	Ca_Kabuli_Chr07	NC_021166.1	23879576	GG	CC	CC	INTERGENIC		
SNP_33385B_23879684	Ca_Kabuli_Chr07	NC_021166.1	23879684	GG	AA	AA	INTERGENIC		
SNP_33386B_23879685	Ca_Kabuli_Chr07	NC_021166.1	23879685	CC	AA	AA	INTERGENIC		
SNP_33387B_23879690	Ca_Kabuli_Chr07	NC_021166.1	23879690	GG	AA	AA	INTERGENIC		
SNP_33388B_23879728	Ca_Kabuli_Chr07	NC_021166.1	23879728	AA	GG	GG	INTERGENIC		
SNP_33390B_23894186	Ca_Kabuli_Chr07	NC_021166.1	23894186	GG	AA	AA	INTERGENIC		
SNP_33391B_23902081	Ca_Kabuli_Chr07	NC_021166.1	23902081	TT	CC	CC	INTERGENIC		
SNP_33392B_23902427	Ca_Kabuli_Chr07	NC_021166.1	23902427	AA	GG	GG	INTERGENIC		
SNP_33393B_23902457	Ca_Kabuli_Chr07	NC_021166.1	23902457	GG	TT	TT	INTERGENIC		
SNP_33394B_23903545	Ca_Kabuli_Chr07	NC_021166.1	23903545	GG	AA	AA	INTERGENIC		
SNP_33396B_23907246	Ca_Kabuli_Chr07	NC_021166.1	23907246	GG	TT	TT	INTERGENIC		
SNP_33398B_23917858	Ca_Kabuli_Chr07	NC_021166.1	23917858	GG	TT	TT	INTERGENIC		
SNP_33399B_24001315	Ca_Kabuli_Chr07	NC_021166.1	24001315	AA	GG	GG	INTERGENIC		
SNP_33400B_24001324	Ca_Kabuli_Chr07	NC_021166.1	24001324	TT	GG	GG	INTERGENIC		
SNP_33401B_24001338	Ca_Kabuli_Chr07	NC_021166.1	24001338	CC	TT	TT	INTERGENIC		
SNP_33402B_24001343	Ca_Kabuli_Chr07	NC_021166.1	24001343	TT	CC	CC	INTERGENIC		
SNP_33404B_24027849	Ca_Kabuli_Chr07	NC_021166.1	24027849	AA	GG	GG	INTERGENIC		
SNP_33405B_24035561	Ca_Kabuli_Chr07	NC_021166.1	24035561	GG	CC	CC	INTERGENIC		
SNP_33406B_24081314	Ca_Kabuli_Chr07	NC_021166.1	24081314	GG	AA	AA	INTERGENIC		
SNP_33407B_24098257	Ca_Kabuli_Chr07	NC_021166.1	24098257	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_33408B_24098572	Ca_Kabuli_Chr07	NC_021166.1	24098572	TT	CC	CC	INTERGENIC		
SNP_33410B_24215025	Ca_Kabuli_Chr07	NC_021166.1	24215025	CC	TT	TT	URR	101496268	uncharacterized LOC101496268
SNP_33411B_24259494	Ca_Kabuli_Chr07	NC_021166.1	24259494	GG	AA	AA	URR	101496812	uncharacterized LOC101496812
SNP_33412B_24260137	Ca_Kabuli_Chr07	NC_021166.1	24260137	TT	GG	GG	URR	101496812	uncharacterized LOC101496812
SNP_33413B_24260172	Ca_Kabuli_Chr07	NC_021166.1	24260172	CC	AA	AA	URR	101496812	uncharacterized LOC101496812
SNP_33414B_24284079	Ca_Kabuli_Chr07	NC_021166.1	24284079	TT	AA	AA	URR	101503255	uncharacterized LOC101503255
SNP_33415B_24290906	Ca_Kabuli_Chr07	NC_021166.1	24290906	CC	TT	TT	INTERGENIC		
SNP_33416B_24290913	Ca_Kabuli_Chr07	NC_021166.1	24290913	TT	CC	CC	INTERGENIC		
SNP_33417B_24290915	Ca_Kabuli_Chr07	NC_021166.1	24290915	GG	AA	AA	INTERGENIC		
SNP_33418B_24290974	Ca_Kabuli_Chr07	NC_021166.1	24290974	CC	TT	TT	INTERGENIC		
SNP_33419B_24329591	Ca_Kabuli_Chr07	NC_021166.1	24329591	AA	GG	GG	INTERGENIC		
SNP_33420B_24335312	Ca_Kabuli_Chr07	NC_021166.1	24335312	TT	GG	GG	INTERGENIC		
SNP_33422B_24348159	Ca_Kabuli_Chr07	NC_021166.1	24348159	TT	CC	CC	INTERGENIC		
SNP_33423B_24348315	Ca_Kabuli_Chr07	NC_021166.1	24348315	CC	TT	TT	INTERGENIC		
SNP_33425B_24348384	Ca_Kabuli_Chr07	NC_021166.1	24348384	TT	CC	CC	INTERGENIC		
SNP_33426B_24348439	Ca_Kabuli_Chr07	NC_021166.1	24348439	AA	GG	GG	INTERGENIC		
SNP_33428B_24348544	Ca_Kabuli_Chr07	NC_021166.1	24348544	CC	TT	TT	INTERGENIC		
SNP_33429B_24348563	Ca_Kabuli_Chr07	NC_021166.1	24348563	GG	AA	AA	INTERGENIC		
SNP_33430B_24348657	Ca_Kabuli_Chr07	NC_021166.1	24348657	AA	TT	TT	INTERGENIC		
SNP_33431B_24348786	Ca_Kabuli_Chr07	NC_021166.1	24348786	GG	AA	AA	INTERGENIC		
SNP_33432B_24363825	Ca_Kabuli_Chr07	NC_021166.1	24363825	TT	CC	CC	INTERGENIC		
SNP_33433B_24363947	Ca_Kabuli_Chr07	NC_021166.1	24363947	CC	AA	AA	INTERGENIC		
SNP_33434B_24365838	Ca_Kabuli_Chr07	NC_021166.1	24365838	TT	AA	AA	INTERGENIC		
SNP_33435B_24365851	Ca_Kabuli_Chr07	NC_021166.1	24365851	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_33436B_24365880	Ca_Kabuli_Chr07	NC_021166.1	24365880	AA	GG	GG	INTERGENIC		
SNP_33437B_24365906	Ca_Kabuli_Chr07	NC_021166.1	24365906	CC	TT	TT	INTERGENIC		
SNP_33438B_24365928	Ca_Kabuli_Chr07	NC_021166.1	24365928	GG	AA	AA	INTERGENIC		
SNP_33439B_24365969	Ca_Kabuli_Chr07	NC_021166.1	24365969	TT	GG	GG	INTERGENIC		
SNP_33440B_24365970	Ca_Kabuli_Chr07	NC_021166.1	24365970	TT	GG	GG	INTERGENIC		
SNP_33441B_24366144	Ca_Kabuli_Chr07	NC_021166.1	24366144	TT	AA	AA	INTERGENIC		
SNP_33442B_24399051	Ca_Kabuli_Chr07	NC_021166.1	24399051	AA	GG	GG	URR	101497667	uncharacterized aarF domain-containing protein kinase 2-like
SNP_33443B_24408991	Ca_Kabuli_Chr07	NC_021166.1	24408991	TT	CC	CC	INTERGENIC		
SNP_33444B_24420621	Ca_Kabuli_Chr07	NC_021166.1	24420621	TT	GG	GG	INTERGENIC		
SNP_33446B_24436536	Ca_Kabuli_Chr07	NC_021166.1	24436536	TT	GG	GG	INTERGENIC		
SNP_33447B_24454901	Ca_Kabuli_Chr07	NC_021166.1	24454901	GG	AA	AA	INTERGENIC		
SNP_33448B_24454999	Ca_Kabuli_Chr07	NC_021166.1	24454999	TT	GG	GG	INTERGENIC		
SNP_33449B_24456676	Ca_Kabuli_Chr07	NC_021166.1	24456676	CC	TT	TT	INTERGENIC		
SNP_33450B_24456690	Ca_Kabuli_Chr07	NC_021166.1	24456690	AA	GG	GG	INTERGENIC		
SNP_33451B_24456758	Ca_Kabuli_Chr07	NC_021166.1	24456758	AA	CC	CC	INTERGENIC		
SNP_33452B_24457095	Ca_Kabuli_Chr07	NC_021166.1	24457095	TT	CC	CC	INTERGENIC		
SNP_33453B_24457164	Ca_Kabuli_Chr07	NC_021166.1	24457164	AA	CC	CC	INTERGENIC		
SNP_33454B_24467422	Ca_Kabuli_Chr07	NC_021166.1	24467422	TT	CC	CC	INTERGENIC		
SNP_33455B_24485195	Ca_Kabuli_Chr07	NC_021166.1	24485195	TT	CC	CC	INTRON	101498670	uncharacterized LOC101498670
SNP_33456B_24485201	Ca_Kabuli_Chr07	NC_021166.1	24485201	TT	CC	CC	INTRON	101498670	uncharacterized LOC101498670
SNP_33457B_24485232	Ca_Kabuli_Chr07	NC_021166.1	24485232	AA	TT	TT	INTRON	101498670	uncharacterized LOC101498670
SNP_33459B_24485448	Ca_Kabuli_Chr07	NC_021166.1	24485448	CC	AA	AA	INTRON	101498670	uncharacterized LOC101498670
SNP_33460B_24485635	Ca_Kabuli_Chr07	NC_021166.1	24485635	CC	GG	GG	INTRON	101498670	uncharacterized LOC101498670
SNP_33461B_24485737	Ca_Kabuli_Chr07	NC_021166.1	24485737	CC	AA	AA	INTRON	101498670	uncharacterized LOC101498670

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_33462B_24485766	Ca_Kabuli_Chr07	NC_021166.1	24485766	GG	CC	CC	INTRON	101498670	uncharacterized LOC101498670
SNP_33463B_24485890	Ca_Kabuli_Chr07	NC_021166.1	24485890	AA	CC	CC	SYNONYMOUS_CODING	101498670	uncharacterized LOC101498670
SNP_33464B_24486013	Ca_Kabuli_Chr07	NC_021166.1	24486013	TT	GG	GG	NON_SYNONYMOUS_CODING	101498670	uncharacterized LOC101498670
SNP_33465B_24486227	Ca_Kabuli_Chr07	NC_021166.1	24486227	AA	GG	GG	NON_SYNONYMOUS_CODING	101498670	uncharacterized LOC101498670
SNP_33466B_24486229	Ca_Kabuli_Chr07	NC_021166.1	24486229	AA	GG	GG	NON_SYNONYMOUS_CODING	101498670	uncharacterized LOC101498670
SNP_33467B_24488070	Ca_Kabuli_Chr07	NC_021166.1	24488070	AA	GG	GG	URR	101498670	uncharacterized LOC101498670
SNP_33468B_24492789	Ca_Kabuli_Chr07	NC_021166.1	24492789	GG	AA	AA	INTERGENIC		
SNP_33469B_24492833	Ca_Kabuli_Chr07	NC_021166.1	24492833	GG	CC	CC	INTERGENIC		
SNP_33470B_24493091	Ca_Kabuli_Chr07	NC_021166.1	24493091	TT	AA	AA	INTERGENIC		
SNP_33471B_24493421	Ca_Kabuli_Chr07	NC_021166.1	24493421	AA	TT	TT	INTERGENIC		
SNP_33472B_24493437	Ca_Kabuli_Chr07	NC_021166.1	24493437	GG	CC	CC	INTERGENIC		
SNP_33473B_24493460	Ca_Kabuli_Chr07	NC_021166.1	24493460	AA	TT	TT	INTERGENIC		
SNP_33474B_24493576	Ca_Kabuli_Chr07	NC_021166.1	24493576	CC	AA	AA	INTERGENIC		
SNP_33475B_24494137	Ca_Kabuli_Chr07	NC_021166.1	24494137	CC	TT	TT	INTERGENIC		
SNP_33476B_24494331	Ca_Kabuli_Chr07	NC_021166.1	24494331	AA	CC	CC	DRR	101503572	Unknown function
SNP_33477B_24494491	Ca_Kabuli_Chr07	NC_021166.1	24494491	CC	TT	TT	DRR	101503572	Unknown function
SNP_33478B_24494498	Ca_Kabuli_Chr07	NC_021166.1	24494498	AA	CC	CC	DRR	101503572	Unknown function
SNP_33479B_24494714	Ca_Kabuli_Chr07	NC_021166.1	24494714	CC	TT	TT	DRR	101503572	Unknown function
SNP_33480B_24494715	Ca_Kabuli_Chr07	NC_021166.1	24494715	TT	CC	CC	DRR	101503572	Unknown function
SNP_33481B_24494831	Ca_Kabuli_Chr07	NC_021166.1	24494831	TT	CC	CC	DRR	101503572	Unknown function
SNP_33482B_24495864	Ca_Kabuli_Chr07	NC_021166.1	24495864	CC	TT	TT	INTRON	101503572	Unknown function
SNP_33483B_24495920	Ca_Kabuli_Chr07	NC_021166.1	24495920	CC	TT	TT	INTRON	101503572	Unknown function
SNP_33484B_24496292	Ca_Kabuli_Chr07	NC_021166.1	24496292	AA	GG	GG	INTRON	101503572	Unknown function
SNP_33485B_24496524	Ca_Kabuli_Chr07	NC_021166.1	24496524	TT	AA	AA	INTRON	101503572	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_33486B_24496618	Ca_Kabuli_Chr07	NC_021166.1	24496618	GG	AA	AA	INTRON	101503572	Unknown function
SNP_33487B_24496712	Ca_Kabuli_Chr07	NC_021166.1	24496712	CC	TT	TT	INTRON	101503572	Unknown function
SNP_33488B_24501847	Ca_Kabuli_Chr07	NC_021166.1	24501847	GG	AA	AA	INTERGENIC		
SNP_33489B_24502013	Ca_Kabuli_Chr07	NC_021166.1	24502013	GG	AA	AA	INTERGENIC		
SNP_33490B_24502190	Ca_Kabuli_Chr07	NC_021166.1	24502190	CC	TT	TT	INTERGENIC		
SNP_33491B_24502193	Ca_Kabuli_Chr07	NC_021166.1	24502193	GG	AA	AA	INTERGENIC		
SNP_33492B_24502258	Ca_Kabuli_Chr07	NC_021166.1	24502258	GG	CC	CC	INTERGENIC		
SNP_33494B_24502298	Ca_Kabuli_Chr07	NC_021166.1	24502298	CC	AA	AA	INTERGENIC		
SNP_33495B_24503296	Ca_Kabuli_Chr07	NC_021166.1	24503296	CC	TT	TT	INTERGENIC		
SNP_33496B_24503372	Ca_Kabuli_Chr07	NC_021166.1	24503372	GG	AA	AA	INTERGENIC		
SNP_33497B_24504212	Ca_Kabuli_Chr07	NC_021166.1	24504212	GG	CC	CC	INTERGENIC		
SNP_33498B_24504220	Ca_Kabuli_Chr07	NC_021166.1	24504220	CC	TT	TT	INTERGENIC		
SNP_33499B_24505226	Ca_Kabuli_Chr07	NC_021166.1	24505226	TT	CC	CC	INTERGENIC		
SNP_33500B_24525755	Ca_Kabuli_Chr07	NC_021166.1	24525755	TT	CC	CC	INTERGENIC		
SNP_33501B_24526087	Ca_Kabuli_Chr07	NC_021166.1	24526087	AA	GG	GG	INTERGENIC		
SNP_33502B_24526108	Ca_Kabuli_Chr07	NC_021166.1	24526108	GG	TT	TT	INTERGENIC		
SNP_33503B_24526131	Ca_Kabuli_Chr07	NC_021166.1	24526131	AA	GG	GG	INTERGENIC		
SNP_33504B_24526145	Ca_Kabuli_Chr07	NC_021166.1	24526145	AA	GG	GG	INTERGENIC		
SNP_33505B_24550955	Ca_Kabuli_Chr07	NC_021166.1	24550955	CC	GG	GG	INTERGENIC		
SNP_33506B_24556525	Ca_Kabuli_Chr07	NC_021166.1	24556525	AA	TT	TT	INTERGENIC		
SNP_33507B_24556593	Ca_Kabuli_Chr07	NC_021166.1	24556593	GG	AA	AA	INTERGENIC		
SNP_33508B_24593872	Ca_Kabuli_Chr07	NC_021166.1	24593872	AA	TT	TT	INTERGENIC		
SNP_33509B_24602193	Ca_Kabuli_Chr07	NC_021166.1	24602193	AA	CC	CC	INTERGENIC		
SNP_33510B_24607578	Ca_Kabuli_Chr07	NC_021166.1	24607578	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_33511B_24616856	Ca_Kabuli_Chr07	NC_021166.1	24616856	AA	TT	TT	INTERGENIC		
SNP_33512B_24616857	Ca_Kabuli_Chr07	NC_021166.1	24616857	AA	GG	GG	INTERGENIC		
SNP_33513B_24652597	Ca_Kabuli_Chr07	NC_021166.1	24652597	GG	TT	TT	NON_SYNONYMOUS_CODING	101499633	G-type lectin S-receptor-like serine/threonine-protein kinase At4g27290
SNP_33514B_24700752	Ca_Kabuli_Chr07	NC_021166.1	24700752	AA	GG	GG	INTERGENIC		
SNP_33515B_24710113	Ca_Kabuli_Chr07	NC_021166.1	24710113	TT	CC	CC	INTERGENIC		
SNP_33516B_24710120	Ca_Kabuli_Chr07	NC_021166.1	24710120	GG	TT	TT	INTERGENIC		
SNP_33517B_24710236	Ca_Kabuli_Chr07	NC_021166.1	24710236	TT	CC	CC	INTERGENIC		
SNP_33518B_24710541	Ca_Kabuli_Chr07	NC_021166.1	24710541	CC	TT	TT	INTERGENIC		
SNP_33519B_24710585	Ca_Kabuli_Chr07	NC_021166.1	24710585	AA	GG	GG	INTERGENIC		
SNP_33520B_24721830	Ca_Kabuli_Chr07	NC_021166.1	24721830	TT	CC	CC	INTERGENIC		
SNP_33521B_24750633	Ca_Kabuli_Chr07	NC_021166.1	24750633	TT	GG	GG	URR	101506143	uncharacterized LOC101506143
SNP_33522B_24750635	Ca_Kabuli_Chr07	NC_021166.1	24750635	TT	CC	CC	URR	101506143	uncharacterized LOC101506143
SNP_33523B_24750649	Ca_Kabuli_Chr07	NC_021166.1	24750649	AA	GG	GG	URR	101506143	uncharacterized LOC101506143
SNP_33524B_24751381	Ca_Kabuli_Chr07	NC_021166.1	24751381	TT	CC	CC	URR	101506143	uncharacterized LOC101506143
SNP_33526B_24800507	Ca_Kabuli_Chr07	NC_021166.1	24800507	TT	AA	AA	INTERGENIC		
SNP_33527B_24845487	Ca_Kabuli_Chr07	NC_021166.1	24845487	GG	AA	AA	INTERGENIC		
SNP_33528B_24845514	Ca_Kabuli_Chr07	NC_021166.1	24845514	AA	TT	TT	INTERGENIC		
SNP_33529B_24851261	Ca_Kabuli_Chr07	NC_021166.1	24851261	TT	CC	CC	INTERGENIC		
SNP_33530B_24851322	Ca_Kabuli_Chr07	NC_021166.1	24851322	TT	CC	CC	INTERGENIC		
SNP_33531B_24851326	Ca_Kabuli_Chr07	NC_021166.1	24851326	GG	AA	AA	INTERGENIC		
SNP_33532B_24883123	Ca_Kabuli_Chr07	NC_021166.1	24883123	CC	TT	TT	URR	101506801	uncharacterized LOC101506801
SNP_33533B_24991047	Ca_Kabuli_Chr07	NC_021166.1	24991047	CC	TT	TT	INTERGENIC		
SNP_33534B_24992269	Ca_Kabuli_Chr07	NC_021166.1	24992269	AA	GG	GG	INTERGENIC		
SNP_33535B_24992277	Ca_Kabuli_Chr07	NC_021166.1	24992277	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_33536B_24992338	Ca_Kabuli_Chr07	NC_021166.1	24992338	GG	AA	AA	INTERGENIC		
SNP_33537B_25030545	Ca_Kabuli_Chr07	NC_021166.1	25030545	CC	TT	TT	INTERGENIC		
SNP_33538B_25030701	Ca_Kabuli_Chr07	NC_021166.1	25030701	GG	AA	AA	INTERGENIC		
SNP_33539B_25030914	Ca_Kabuli_Chr07	NC_021166.1	25030914	TT	CC	CC	INTERGENIC		
SNP_33540B_25030915	Ca_Kabuli_Chr07	NC_021166.1	25030915	CC	TT	TT	INTERGENIC		
SNP_33541B_25031000	Ca_Kabuli_Chr07	NC_021166.1	25031000	AA	GG	GG	INTERGENIC		
SNP_33542B_25031257	Ca_Kabuli_Chr07	NC_021166.1	25031257	AA	TT	TT	INTERGENIC		
SNP_33543B_25031269	Ca_Kabuli_Chr07	NC_021166.1	25031269	AA	CC	CC	INTERGENIC		
SNP_33544B_25031719	Ca_Kabuli_Chr07	NC_021166.1	25031719	AA	GG	GG	INTERGENIC		
SNP_33545B_25031752	Ca_Kabuli_Chr07	NC_021166.1	25031752	AA	GG	GG	INTERGENIC		
SNP_33547B_25078586	Ca_Kabuli_Chr07	NC_021166.1	25078586	AA	GG	GG	INTERGENIC		
SNP_33548B_25078600	Ca_Kabuli_Chr07	NC_021166.1	25078600	AA	TT	TT	INTERGENIC		
SNP_33549B_25078936	Ca_Kabuli_Chr07	NC_021166.1	25078936	CC	TT	TT	INTERGENIC		
SNP_33550B_25080193	Ca_Kabuli_Chr07	NC_021166.1	25080193	GG	TT	TT	INTERGENIC		
SNP_33551B_25104655	Ca_Kabuli_Chr07	NC_021166.1	25104655	GG	AA	AA	INTERGENIC		
SNP_33552B_25118828	Ca_Kabuli_Chr07	NC_021166.1	25118828	TT	CC	CC	INTERGENIC		
SNP_33553B_25118841	Ca_Kabuli_Chr07	NC_021166.1	25118841	TT	CC	CC	INTERGENIC		
SNP_33554B_25118861	Ca_Kabuli_Chr07	NC_021166.1	25118861	AA	GG	GG	INTERGENIC		
SNP_33555B_25127915	Ca_Kabuli_Chr07	NC_021166.1	25127915	GG	AA	AA	INTERGENIC		
SNP_33556B_25128350	Ca_Kabuli_Chr07	NC_021166.1	25128350	TT	GG	GG	INTERGENIC		
SNP_33557B_25144302	Ca_Kabuli_Chr07	NC_021166.1	25144302	AA	GG	GG	NON_SYNONYMOUS_CODING	101511496	uncharacterized LOC101511496
SNP_33558B_25151338	Ca_Kabuli_Chr07	NC_021166.1	25151338	TT	AA	AA	INTRON	101511496	uncharacterized LOC101511496
SNP_33559B_25151347	Ca_Kabuli_Chr07	NC_021166.1	25151347	GG	AA	AA	INTRON	101511496	uncharacterized LOC101511496
SNP_33560B_25206093	Ca_Kabuli_Chr07	NC_021166.1	25206093	AA	GG	GG	DRR	101511824	uncharacterized LOC101511824

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_33561B_25206440	Ca_Kabuli_Chr07	NC_021166.1	25206440	AA	GG	GG	DRR	101511824	uncharacterized LOC101511824
SNP_33562B_25206666	Ca_Kabuli_Chr07	NC_021166.1	25206666	TT	CC	CC	SYNONYMOUS_CODING	101511824	uncharacterized LOC101511824
SNP_33563B_25207052	Ca_Kabuli_Chr07	NC_021166.1	25207052	TT	CC	CC	NON_SYNONYMOUS_CODING	101511824	uncharacterized LOC101511824
SNP_33564B_25213563	Ca_Kabuli_Chr07	NC_021166.1	25213563	GG	AA	AA	DRR	101512136	Unknown function
SNP_33565B_25219455	Ca_Kabuli_Chr07	NC_021166.1	25219455	GG	AA	AA	INTERGENIC		
SNP_33566B_25278182	Ca_Kabuli_Chr07	NC_021166.1	25278182	TT	GG	GG	INTERGENIC		
SNP_33567B_25278207	Ca_Kabuli_Chr07	NC_021166.1	25278207	GG	TT	TT	INTERGENIC		
SNP_33568B_25278216	Ca_Kabuli_Chr07	NC_021166.1	25278216	CC	AA	AA	INTERGENIC		
SNP_33569B_25278437	Ca_Kabuli_Chr07	NC_021166.1	25278437	AA	GG	GG	INTERGENIC		
SNP_33570B_25278440	Ca_Kabuli_Chr07	NC_021166.1	25278440	TT	AA	AA	INTERGENIC		
SNP_33571B_25278446	Ca_Kabuli_Chr07	NC_021166.1	25278446	TT	GG	GG	INTERGENIC		
SNP_33572B_25278492	Ca_Kabuli_Chr07	NC_021166.1	25278492	CC	AA	AA	INTERGENIC		
SNP_33573B_25278567	Ca_Kabuli_Chr07	NC_021166.1	25278567	CC	TT	TT	INTERGENIC		
SNP_33574B_25278745	Ca_Kabuli_Chr07	NC_021166.1	25278745	TT	CC	CC	INTERGENIC		
SNP_33575B_25278845	Ca_Kabuli_Chr07	NC_021166.1	25278845	CC	TT	TT	INTERGENIC		
SNP_33576B_25282385	Ca_Kabuli_Chr07	NC_021166.1	25282385	CC	TT	TT	INTERGENIC		
SNP_33577B_25295783	Ca_Kabuli_Chr07	NC_021166.1	25295783	AA	GG	GG	INTERGENIC		
SNP_33578B_25295856	Ca_Kabuli_Chr07	NC_021166.1	25295856	CC	TT	TT	INTERGENIC		
SNP_33580B_25346088	Ca_Kabuli_Chr07	NC_021166.1	25346088	GG	TT	TT	INTERGENIC		
SNP_33581B_25398479	Ca_Kabuli_Chr07	NC_021166.1	25398479	CC	GG	GG	INTERGENIC		
SNP_33582B_25418271	Ca_Kabuli_Chr07	NC_021166.1	25418271	AA	GG	GG	INTERGENIC		
SNP_33584B_25437981	Ca_Kabuli_Chr07	NC_021166.1	25437981	TT	CC	CC	INTERGENIC		
SNP_33585B_25438220	Ca_Kabuli_Chr07	NC_021166.1	25438220	TT	CC	CC	INTERGENIC		
SNP_33586B_25438506	Ca_Kabuli_Chr07	NC_021166.1	25438506	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_33587B_25467251	Ca_Kabuli_Chr07	NC_021166.1	25467251	AA	CC	CC	INTERGENIC		
SNP_33588B_25467360	Ca_Kabuli_Chr07	NC_021166.1	25467360	TT	GG	GG	INTERGENIC		
SNP_33589B_25489488	Ca_Kabuli_Chr07	NC_021166.1	25489488	TT	CC	CC	INTERGENIC		
SNP_33590B_25509802	Ca_Kabuli_Chr07	NC_021166.1	25509802	AA	CC	CC	INTERGENIC		
SNP_33591B_25530389	Ca_Kabuli_Chr07	NC_021166.1	25530389	AA	TT	TT	INTERGENIC		
SNP_33592B_25539595	Ca_Kabuli_Chr07	NC_021166.1	25539595	GG	TT	TT	INTERGENIC		
SNP_33593B_25539642	Ca_Kabuli_Chr07	NC_021166.1	25539642	GG	AA	AA	INTERGENIC		
SNP_33595B_25540325	Ca_Kabuli_Chr07	NC_021166.1	25540325	TT	AA	AA	INTERGENIC		
SNP_33597B_25617939	Ca_Kabuli_Chr07	NC_021166.1	25617939	TT	CC	CC	INTERGENIC		
SNP_33599B_25626902	Ca_Kabuli_Chr07	NC_021166.1	25626902	AA	GG	GG	INTERGENIC		
SNP_33600B_25665885	Ca_Kabuli_Chr07	NC_021166.1	25665885	CC	TT	TT	INTRON	101488818	WD repeat-containing protein 25
SNP_33601B_25773353	Ca_Kabuli_Chr07	NC_021166.1	25773353	TT	CC	CC	INTERGENIC		
SNP_33602B_25774367	Ca_Kabuli_Chr07	NC_021166.1	25774367	GG	AA	AA	INTERGENIC		
SNP_33603B_25774828	Ca_Kabuli_Chr07	NC_021166.1	25774828	TT	CC	CC	INTERGENIC		
SNP_33604B_25810785	Ca_Kabuli_Chr07	NC_021166.1	25810785	CC	TT	TT	INTERGENIC		
SNP_33605B_25833163	Ca_Kabuli_Chr07	NC_021166.1	25833163	TT	CC	CC	INTERGENIC		
SNP_33606B_25833385	Ca_Kabuli_Chr07	NC_021166.1	25833385	TT	CC	CC	INTERGENIC		
SNP_33607B_25833789	Ca_Kabuli_Chr07	NC_021166.1	25833789	TT	GG	GG	INTERGENIC		
SNP_33608B_25834027	Ca_Kabuli_Chr07	NC_021166.1	25834027	GG	AA	AA	INTERGENIC		
SNP_33609B_25834199	Ca_Kabuli_Chr07	NC_021166.1	25834199	CC	TT	TT	INTERGENIC		
SNP_33610B_25834413	Ca_Kabuli_Chr07	NC_021166.1	25834413	AA	TT	TT	INTERGENIC		
SNP_33611B_25862052	Ca_Kabuli_Chr07	NC_021166.1	25862052	GG	AA	AA	INTERGENIC		
SNP_33612B_25862117	Ca_Kabuli_Chr07	NC_021166.1	25862117	TT	CC	CC	INTERGENIC		
SNP_33613B_25862137	Ca_Kabuli_Chr07	NC_021166.1	25862137	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_33614B_25862216	Ca_Kabuli_Chr07	NC_021166.1	25862216	AA	TT	TT	INTERGENIC		
SNP_33615B_25862531	Ca_Kabuli_Chr07	NC_021166.1	25862531	AA	GG	GG	INTERGENIC		
SNP_33616B_25862577	Ca_Kabuli_Chr07	NC_021166.1	25862577	TT	GG	GG	INTERGENIC		
SNP_33617B_25863321	Ca_Kabuli_Chr07	NC_021166.1	25863321	CC	TT	TT	INTERGENIC		
SNP_33618B_25871997	Ca_Kabuli_Chr07	NC_021166.1	25871997	AA	TT	TT	INTERGENIC		
SNP_33619B_25872075	Ca_Kabuli_Chr07	NC_021166.1	25872075	GG	AA	AA	INTERGENIC		
SNP_33620B_25872279	Ca_Kabuli_Chr07	NC_021166.1	25872279	GG	AA	AA	INTERGENIC		
SNP_33621B_25891043	Ca_Kabuli_Chr07	NC_021166.1	25891043	GG	TT	TT	INTERGENIC		
SNP_33622B_25899884	Ca_Kabuli_Chr07	NC_021166.1	25899884	TT	CC	CC	INTERGENIC		
SNP_33623B_25904911	Ca_Kabuli_Chr07	NC_021166.1	25904911	TT	CC	CC	INTERGENIC		
SNP_33624B_25906057	Ca_Kabuli_Chr07	NC_021166.1	25906057	AA	CC	CC	INTERGENIC		
SNP_33625B_25911418	Ca_Kabuli_Chr07	NC_021166.1	25911418	TT	CC	CC	INTERGENIC		
SNP_33626B_25990551	Ca_Kabuli_Chr07	NC_021166.1	25990551	AA	TT	TT	INTERGENIC		
SNP_33628B_26001890	Ca_Kabuli_Chr07	NC_021166.1	26001890	CC	GG	GG	INTERGENIC		
SNP_33629B_26013176	Ca_Kabuli_Chr07	NC_021166.1	26013176	TT	GG	GG	INTERGENIC		
SNP_33630B_26020972	Ca_Kabuli_Chr07	NC_021166.1	26020972	AA	GG	GG	INTERGENIC		
SNP_33631B_26028080	Ca_Kabuli_Chr07	NC_021166.1	26028080	TT	GG	GG	INTERGENIC		
SNP_33632B_26028091	Ca_Kabuli_Chr07	NC_021166.1	26028091	GG	AA	AA	INTERGENIC		
SNP_33633B_26029738	Ca_Kabuli_Chr07	NC_021166.1	26029738	AA	TT	TT	INTERGENIC		
SNP_33636B_26093994	Ca_Kabuli_Chr07	NC_021166.1	26093994	AA	CC	CC	INTERGENIC		
SNP_33638B_26160203	Ca_Kabuli_Chr07	NC_021166.1	26160203	CC	GG	GG	INTERGENIC		
SNP_33639B_26160404	Ca_Kabuli_Chr07	NC_021166.1	26160404	CC	AA	AA	INTERGENIC		
SNP_33640B_26160479	Ca_Kabuli_Chr07	NC_021166.1	26160479	CC	TT	TT	INTERGENIC		
SNP_33641B_26160486	Ca_Kabuli_Chr07	NC_021166.1	26160486	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_33642B_26160491	Ca_Kabuli_Chr07	NC_021166.1	26160491	CC	TT	TT	INTERGENIC		
SNP_33643B_26160508	Ca_Kabuli_Chr07	NC_021166.1	26160508	AA	GG	GG	INTERGENIC		
SNP_33644B_26160566	Ca_Kabuli_Chr07	NC_021166.1	26160566	CC	TT	TT	INTERGENIC		
SNP_33645B_26160579	Ca_Kabuli_Chr07	NC_021166.1	26160579	TT	AA	AA	INTERGENIC		
SNP_33646B_26168509	Ca_Kabuli_Chr07	NC_021166.1	26168509	AA	GG	GG	NON_SYNONYMOUS_CODING	101493583	Unknown function
SNP_33647B_26171147	Ca_Kabuli_Chr07	NC_021166.1	26171147	AA	CC	CC	INTERGENIC		
SNP_33649B_26177011	Ca_Kabuli_Chr07	NC_021166.1	26177011	TT	CC	CC	INTERGENIC		
SNP_33650B_26177014	Ca_Kabuli_Chr07	NC_021166.1	26177014	TT	AA	AA	INTERGENIC		
SNP_33651B_26177031	Ca_Kabuli_Chr07	NC_021166.1	26177031	GG	AA	AA	INTERGENIC		
SNP_33652B_26177359	Ca_Kabuli_Chr07	NC_021166.1	26177359	TT	CC	CC	INTERGENIC		
SNP_33653B_26177410	Ca_Kabuli_Chr07	NC_021166.1	26177410	GG	TT	TT	INTERGENIC		
SNP_33654B_26177478	Ca_Kabuli_Chr07	NC_021166.1	26177478	CC	TT	TT	INTERGENIC		
SNP_33655B_26177549	Ca_Kabuli_Chr07	NC_021166.1	26177549	TT	CC	CC	INTERGENIC		
SNP_33656B_26177662	Ca_Kabuli_Chr07	NC_021166.1	26177662	TT	CC	CC	INTERGENIC		
SNP_33658B_26177835	Ca_Kabuli_Chr07	NC_021166.1	26177835	GG	TT	TT	INTERGENIC		
SNP_33659B_26177841	Ca_Kabuli_Chr07	NC_021166.1	26177841	GG	AA	AA	INTERGENIC		
SNP_33660B_26177896	Ca_Kabuli_Chr07	NC_021166.1	26177896	AA	GG	GG	INTERGENIC		
SNP_33661B_26179690	Ca_Kabuli_Chr07	NC_021166.1	26179690	GG	TT	TT	INTERGENIC		
SNP_33662B_26179710	Ca_Kabuli_Chr07	NC_021166.1	26179710	GG	TT	TT	INTERGENIC		
SNP_33663B_26181672	Ca_Kabuli_Chr07	NC_021166.1	26181672	AA	GG	GG	INTERGENIC		
SNP_33664B_26181684	Ca_Kabuli_Chr07	NC_021166.1	26181684	CC	AA	AA	INTERGENIC		
SNP_33665B_26181735	Ca_Kabuli_Chr07	NC_021166.1	26181735	CC	TT	TT	INTERGENIC		
SNP_33666B_26218453	Ca_Kabuli_Chr07	NC_021166.1	26218453	GG	AA	AA	INTERGENIC		
SNP_33667B_26218527	Ca_Kabuli_Chr07	NC_021166.1	26218527	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_33668B_26218731	Ca_Kabuli_Chr07	NC_021166.1	26218731	CC	AA	AA	INTERGENIC		
SNP_33669B_26218746	Ca_Kabuli_Chr07	NC_021166.1	26218746	CC	GG	GG	INTERGENIC		
SNP_33670B_26219927	Ca_Kabuli_Chr07	NC_021166.1	26219927	AA	CC	CC	INTERGENIC		
SNP_33671B_26220217	Ca_Kabuli_Chr07	NC_021166.1	26220217	AA	TT	TT	INTERGENIC		
SNP_33672B_26220952	Ca_Kabuli_Chr07	NC_021166.1	26220952	GG	AA	AA	INTERGENIC		
SNP_33673B_26221444	Ca_Kabuli_Chr07	NC_021166.1	26221444	AA	CC	CC	INTERGENIC		
SNP_33675B_26221892	Ca_Kabuli_Chr07	NC_021166.1	26221892	AA	CC	CC	INTERGENIC		
SNP_33676B_26221901	Ca_Kabuli_Chr07	NC_021166.1	26221901	CC	AA	AA	INTERGENIC		
SNP_33677B_26223479	Ca_Kabuli_Chr07	NC_021166.1	26223479	AA	GG	GG	INTERGENIC		
SNP_33678B_26223931	Ca_Kabuli_Chr07	NC_021166.1	26223931	AA	CC	CC	INTERGENIC		
SNP_33679B_26224664	Ca_Kabuli_Chr07	NC_021166.1	26224664	AA	GG	GG	INTERGENIC		
SNP_33680B_26224815	Ca_Kabuli_Chr07	NC_021166.1	26224815	AA	TT	TT	INTERGENIC		
SNP_33681B_26225610	Ca_Kabuli_Chr07	NC_021166.1	26225610	AA	CC	CC	INTERGENIC		
SNP_33682B_26226146	Ca_Kabuli_Chr07	NC_021166.1	26226146	GG	CC	CC	INTERGENIC		
SNP_33683B_26226400	Ca_Kabuli_Chr07	NC_021166.1	26226400	AA	CC	CC	INTERGENIC		
SNP_33684B_26226779	Ca_Kabuli_Chr07	NC_021166.1	26226779	CC	TT	TT	INTERGENIC		
SNP_33685B_26227566	Ca_Kabuli_Chr07	NC_021166.1	26227566	CC	TT	TT	INTERGENIC		
SNP_33686B_26228010	Ca_Kabuli_Chr07	NC_021166.1	26228010	AA	CC	CC	INTERGENIC		
SNP_33687B_26228014	Ca_Kabuli_Chr07	NC_021166.1	26228014	GG	AA	AA	INTERGENIC		
SNP_33689B_26228664	Ca_Kabuli_Chr07	NC_021166.1	26228664	CC	TT	TT	INTERGENIC		
SNP_33690B_26228984	Ca_Kabuli_Chr07	NC_021166.1	26228984	GG	TT	TT	INTERGENIC		
SNP_33691B_26229429	Ca_Kabuli_Chr07	NC_021166.1	26229429	CC	TT	TT	INTERGENIC		
SNP_33692B_26229459	Ca_Kabuli_Chr07	NC_021166.1	26229459	TT	GG	GG	INTERGENIC		
SNP_33693B_26229510	Ca_Kabuli_Chr07	NC_021166.1	26229510	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_33694B_26229614	Ca_Kabuli_Chr07	NC_021166.1	26229614	GG	AA	AA	INTERGENIC		
SNP_33695B_26229793	Ca_Kabuli_Chr07	NC_021166.1	26229793	CC	TT	TT	INTERGENIC		
SNP_33696B_26229799	Ca_Kabuli_Chr07	NC_021166.1	26229799	AA	GG	GG	INTERGENIC		
SNP_33697B_26229817	Ca_Kabuli_Chr07	NC_021166.1	26229817	AA	CC	CC	INTERGENIC		
SNP_33698B_26230811	Ca_Kabuli_Chr07	NC_021166.1	26230811	TT	CC	CC	INTERGENIC		
SNP_33699B_26230922	Ca_Kabuli_Chr07	NC_021166.1	26230922	GG	AA	AA	INTERGENIC		
SNP_33700B_26231717	Ca_Kabuli_Chr07	NC_021166.1	26231717	CC	TT	TT	INTERGENIC		
SNP_33701B_26232059	Ca_Kabuli_Chr07	NC_021166.1	26232059	TT	AA	AA	INTERGENIC		
SNP_33702B_26232248	Ca_Kabuli_Chr07	NC_021166.1	26232248	TT	AA	AA	INTERGENIC		
SNP_33703B_26232464	Ca_Kabuli_Chr07	NC_021166.1	26232464	AA	CC	CC	INTERGENIC		
SNP_33704B_26232640	Ca_Kabuli_Chr07	NC_021166.1	26232640	AA	GG	GG	INTERGENIC		
SNP_33705B_26232919	Ca_Kabuli_Chr07	NC_021166.1	26232919	AA	TT	TT	INTERGENIC		
SNP_33706B_26234078	Ca_Kabuli_Chr07	NC_021166.1	26234078	GG	TT	TT	INTERGENIC		
SNP_33707B_26234109	Ca_Kabuli_Chr07	NC_021166.1	26234109	AA	CC	CC	INTERGENIC		
SNP_33708B_26234682	Ca_Kabuli_Chr07	NC_021166.1	26234682	CC	TT	TT	INTERGENIC		
SNP_33709B_26234774	Ca_Kabuli_Chr07	NC_021166.1	26234774	CC	TT	TT	INTERGENIC		
SNP_33710B_26235069	Ca_Kabuli_Chr07	NC_021166.1	26235069	TT	CC	CC	INTERGENIC		
SNP_33712B_26235896	Ca_Kabuli_Chr07	NC_021166.1	26235896	AA	GG	GG	INTERGENIC		
SNP_33713B_26236167	Ca_Kabuli_Chr07	NC_021166.1	26236167	GG	TT	TT	INTERGENIC		
SNP_33714B_26236327	Ca_Kabuli_Chr07	NC_021166.1	26236327	GG	AA	AA	INTERGENIC		
SNP_33715B_26236362	Ca_Kabuli_Chr07	NC_021166.1	26236362	TT	AA	AA	INTERGENIC		
SNP_33716B_26236447	Ca_Kabuli_Chr07	NC_021166.1	26236447	AA	CC	CC	INTERGENIC		
SNP_33717B_26237245	Ca_Kabuli_Chr07	NC_021166.1	26237245	CC	TT	TT	INTERGENIC		
SNP_33718B_26237262	Ca_Kabuli_Chr07	NC_021166.1	26237262	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_33719B_26237312	Ca_Kabuli_Chr07	NC_021166.1	26237312	GG	TT	TT	INTERGENIC		
SNP_33720B_26237567	Ca_Kabuli_Chr07	NC_021166.1	26237567	CC	AA	AA	INTERGENIC		
SNP_33721B_26237697	Ca_Kabuli_Chr07	NC_021166.1	26237697	TT	AA	AA	INTERGENIC		
SNP_33722B_26238151	Ca_Kabuli_Chr07	NC_021166.1	26238151	CC	TT	TT	DRR	101493899	homeobox-leucine zipper protein HDG12-like
SNP_33723B_26238516	Ca_Kabuli_Chr07	NC_021166.1	26238516	TT	CC	CC	DRR	101493899	homeobox-leucine zipper protein HDG12-like
SNP_33724B_26239336	Ca_Kabuli_Chr07	NC_021166.1	26239336	GG	AA	AA	INTRON	101493899	homeobox-leucine zipper protein HDG12-like
SNP_33725B_26240179	Ca_Kabuli_Chr07	NC_021166.1	26240179	AA	GG	GG	INTRON	101493899	homeobox-leucine zipper protein HDG12-like
SNP_33726B_26240589	Ca_Kabuli_Chr07	NC_021166.1	26240589	AA	TT	TT	INTRON	101493899	homeobox-leucine zipper protein HDG12-like
SNP_33727B_26240592	Ca_Kabuli_Chr07	NC_021166.1	26240592	AA	TT	TT	INTRON	101493899	homeobox-leucine zipper protein HDG12-like
SNP_33728B_26240695	Ca_Kabuli_Chr07	NC_021166.1	26240695	TT	AA	AA	INTRON	101493899	homeobox-leucine zipper protein HDG12-like
SNP_33729B_26245030	Ca_Kabuli_Chr07	NC_021166.1	26245030	AA	CC	CC	INTRON	101493899	homeobox-leucine zipper protein HDG12-like
SNP_33730B_26245432	Ca_Kabuli_Chr07	NC_021166.1	26245432	CC	AA	AA	INTRON	101493899	homeobox-leucine zipper protein HDG12-like
SNP_33731B_26245715	Ca_Kabuli_Chr07	NC_021166.1	26245715	AA	GG	GG	SYNONYMOUS_CODING	101493899	homeobox-leucine zipper protein HDG12-like
SNP_33732B_26248225	Ca_Kabuli_Chr07	NC_021166.1	26248225	GG	AA	AA	INTERGENIC		
SNP_33733B_26259873	Ca_Kabuli_Chr07	NC_021166.1	26259873	GG	AA	AA	INTERGENIC		
SNP_33734B_26260112	Ca_Kabuli_Chr07	NC_021166.1	26260112	GG	AA	AA	INTERGENIC		
SNP_33735B_26260372	Ca_Kabuli_Chr07	NC_021166.1	26260372	CC	TT	TT	INTERGENIC		
SNP_33736B_26260952	Ca_Kabuli_Chr07	NC_021166.1	26260952	TT	AA	AA	INTERGENIC		
SNP_33737B_26261404	Ca_Kabuli_Chr07	NC_021166.1	26261404	GG	AA	AA	INTERGENIC		
SNP_33738B_26263500	Ca_Kabuli_Chr07	NC_021166.1	26263500	AA	GG	GG	DRR	101494224	Unknown function
SNP_33739B_26263664	Ca_Kabuli_Chr07	NC_021166.1	26263664	GG	AA	AA	DRR	101494224	Unknown function
SNP_33740B_26264506	Ca_Kabuli_Chr07	NC_021166.1	26264506	CC	TT	TT	INTRON	101494224	Unknown function
SNP_33741B_26264697	Ca_Kabuli_Chr07	NC_021166.1	26264697	GG	TT	TT	NON_SYNONYMOUS_CODING	101494224	Unknown function
SNP_33742B_26265483	Ca_Kabuli_Chr07	NC_021166.1	26265483	GG	AA	AA	INTRON	101494224	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_33743B_26266063	Ca_Kabuli_Chr07	NC_021166.1	26266063	TT	CC	CC	INTRON	101494224	Unknown function
SNP_33744B_26266678	Ca_Kabuli_Chr07	NC_021166.1	26266678	TT	CC	CC	URR	101494224	Unknown function
SNP_33745B_26267033	Ca_Kabuli_Chr07	NC_021166.1	26267033	AA	GG	GG	URR	101494224	Unknown function
SNP_33746B_26268053	Ca_Kabuli_Chr07	NC_021166.1	26268053	TT	CC	CC	URR	101494224	Unknown function
SNP_33747B_26268529	Ca_Kabuli_Chr07	NC_021166.1	26268529	AA	GG	GG	INTERGENIC		
SNP_33748B_26269623	Ca_Kabuli_Chr07	NC_021166.1	26269623	AA	GG	GG	INTERGENIC		
SNP_33749B_26269949	Ca_Kabuli_Chr07	NC_021166.1	26269949	CC	AA	AA	INTERGENIC		
SNP_33750B_26269978	Ca_Kabuli_Chr07	NC_021166.1	26269978	AA	GG	GG	INTERGENIC		
SNP_33751B_26269997	Ca_Kabuli_Chr07	NC_021166.1	26269997	AA	TT	TT	INTERGENIC		
SNP_33752B_26270000	Ca_Kabuli_Chr07	NC_021166.1	26270000	TT	AA	AA	INTERGENIC		
SNP_33753B_26271232	Ca_Kabuli_Chr07	NC_021166.1	26271232	CC	TT	TT	INTERGENIC		
SNP_33754B_26273220	Ca_Kabuli_Chr07	NC_021166.1	26273220	TT	AA	AA	INTERGENIC		
SNP_33755B_26277650	Ca_Kabuli_Chr07	NC_021166.1	26277650	GG	TT	TT	INTERGENIC		
SNP_33756B_26277672	Ca_Kabuli_Chr07	NC_021166.1	26277672	GG	AA	AA	INTERGENIC		
SNP_33757B_26346585	Ca_Kabuli_Chr07	NC_021166.1	26346585	GG	AA	AA	INTERGENIC		
SNP_33758B_26375816	Ca_Kabuli_Chr07	NC_021166.1	26375816	TT	CC	CC	INTERGENIC		
SNP_33759B_26376213	Ca_Kabuli_Chr07	NC_021166.1	26376213	CC	GG	GG	INTERGENIC		
SNP_33760B_26420812	Ca_Kabuli_Chr07	NC_021166.1	26420812	GG	CC	CC	INTERGENIC		
SNP_33761B_26432792	Ca_Kabuli_Chr07	NC_021166.1	26432792	GG	AA	AA	INTERGENIC		
SNP_33762B_26450444	Ca_Kabuli_Chr07	NC_021166.1	26450444	AA	GG	GG	INTERGENIC		
SNP_33763B_26450489	Ca_Kabuli_Chr07	NC_021166.1	26450489	AA	GG	GG	INTERGENIC		
SNP_33764B_26450608	Ca_Kabuli_Chr07	NC_021166.1	26450608	GG	AA	AA	INTERGENIC		
SNP_33765B_26476644	Ca_Kabuli_Chr07	NC_021166.1	26476644	CC	TT	TT	INTERGENIC		
SNP_33766B_26478292	Ca_Kabuli_Chr07	NC_021166.1	26478292	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_33767B_26548688	Ca_Kabuli_Chr07	NC_021166.1	26548688	GG	AA	AA	INTERGENIC		
SNP_33768B_26655423	Ca_Kabuli_Chr07	NC_021166.1	26655423	GG	AA	AA	INTERGENIC		
SNP_33770B_26672053	Ca_Kabuli_Chr07	NC_021166.1	26672053	CC	TT	TT	INTRON	101496374	uncharacterized LOC101496374
SNP_33772B_26694588	Ca_Kabuli_Chr07	NC_021166.1	26694588	TT	CC	CC	DRR	101507236	Unknown function
SNP_33774B_26694825	Ca_Kabuli_Chr07	NC_021166.1	26694825	CC	AA	AA	DRR	101507236	Unknown function
SNP_33775B_26694829	Ca_Kabuli_Chr07	NC_021166.1	26694829	TT	CC	CC	DRR	101507236	Unknown function
SNP_33776B_26694863	Ca_Kabuli_Chr07	NC_021166.1	26694863	AA	CC	CC	DRR	101507236	Unknown function
SNP_33777B_26695291	Ca_Kabuli_Chr07	NC_021166.1	26695291	TT	CC	CC	SYNONYMOUS_CODING	101507236	Unknown function
SNP_33778B_26695924	Ca_Kabuli_Chr07	NC_021166.1	26695924	TT	CC	CC	INTRON	101507236	Unknown function
SNP_33779B_26698579	Ca_Kabuli_Chr07	NC_021166.1	26698579	TT	CC	CC	INTRON	101507236	Unknown function
SNP_33780B_26698682	Ca_Kabuli_Chr07	NC_021166.1	26698682	AA	GG	GG	INTRON	101507236	Unknown function
SNP_33781B_26699275	Ca_Kabuli_Chr07	NC_021166.1	26699275	AA	GG	GG	INTRON	101507236	Unknown function
SNP_33782B_26699289	Ca_Kabuli_Chr07	NC_021166.1	26699289	AA	GG	GG	INTRON	101507236	Unknown function
SNP_33783B_26699344	Ca_Kabuli_Chr07	NC_021166.1	26699344	CC	GG	GG	INTRON	101507236	Unknown function
SNP_33784B_26699346	Ca_Kabuli_Chr07	NC_021166.1	26699346	AA	GG	GG	INTRON	101507236	Unknown function
SNP_33785B_26699366	Ca_Kabuli_Chr07	NC_021166.1	26699366	AA	GG	GG	INTRON	101507236	Unknown function
SNP_33786B_26699415	Ca_Kabuli_Chr07	NC_021166.1	26699415	CC	TT	TT	INTRON	101507236	Unknown function
SNP_33787B_26699765	Ca_Kabuli_Chr07	NC_021166.1	26699765	TT	CC	CC	INTRON	101507236	Unknown function
SNP_33788B_26699787	Ca_Kabuli_Chr07	NC_021166.1	26699787	AA	GG	GG	INTRON	101507236	Unknown function
SNP_33789B_26699890	Ca_Kabuli_Chr07	NC_021166.1	26699890	TT	CC	CC	NON_SYNONYMOUS_CODING	101507236	Unknown function
SNP_33790B_26699899	Ca_Kabuli_Chr07	NC_021166.1	26699899	TT	CC	CC	NON_SYNONYMOUS_CODING	101507236	Unknown function
SNP_33791B_26699943	Ca_Kabuli_Chr07	NC_021166.1	26699943	AA	GG	GG	NON_SYNONYMOUS_CODING	101507236	Unknown function
SNP_33792B_26700038	Ca_Kabuli_Chr07	NC_021166.1	26700038	TT	AA	AA	NON_SYNONYMOUS_CODING	101507236	Unknown function
SNP_33793B_26700316	Ca_Kabuli_Chr07	NC_021166.1	26700316	AA	GG	GG	NON_SYNONYMOUS_CODING	101507236	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_33794B_26700368	Ca_Kabuli_Chr07	NC_021166.1	26700368	CC	GG	GG	NON_SYNONYMOUS_CODING	101507236	Unknown function
SNP_33795B_26700373	Ca_Kabuli_Chr07	NC_021166.1	26700373	TT	CC	CC	NON_SYNONYMOUS_CODING	101507236	Unknown function
SNP_33796B_26700382	Ca_Kabuli_Chr07	NC_021166.1	26700382	TT	CC	CC	NON_SYNONYMOUS_CODING	101507236	Unknown function
SNP_33797B_26700395	Ca_Kabuli_Chr07	NC_021166.1	26700395	AA	GG	GG	SYNONYMOUS_CODING	101507236	Unknown function
SNP_33798B_26700412	Ca_Kabuli_Chr07	NC_021166.1	26700412	AA	GG	GG	NON_SYNONYMOUS_CODING	101507236	Unknown function
SNP_33799B_26700803	Ca_Kabuli_Chr07	NC_021166.1	26700803	TT	GG	GG	URR	101507236	Unknown function
SNP_33800B_26700879	Ca_Kabuli_Chr07	NC_021166.1	26700879	TT	CC	CC	URR	101507236	Unknown function
SNP_33801B_26700892	Ca_Kabuli_Chr07	NC_021166.1	26700892	CC	GG	GG	URR	101507236	Unknown function
SNP_33802B_26700953	Ca_Kabuli_Chr07	NC_021166.1	26700953	AA	GG	GG	URR	101507236	Unknown function
SNP_33803B_26700955	Ca_Kabuli_Chr07	NC_021166.1	26700955	TT	AA	AA	URR	101507236	Unknown function
SNP_33804B_26700969	Ca_Kabuli_Chr07	NC_021166.1	26700969	TT	CC	CC	URR	101507236	Unknown function
SNP_33806B_26701344	Ca_Kabuli_Chr07	NC_021166.1	26701344	TT	CC	CC	DRR	101507551	Unknown function
SNP_33807B_26701396	Ca_Kabuli_Chr07	NC_021166.1	26701396	GG	CC	CC	DRR	101507551	Unknown function
SNP_33808B_26701489	Ca_Kabuli_Chr07	NC_021166.1	26701489	CC	AA	AA	DRR	101507551	Unknown function
SNP_33810B_26701540	Ca_Kabuli_Chr07	NC_021166.1	26701540	AA	CC	CC	DRR	101507551	Unknown function
SNP_33811B_26701579	Ca_Kabuli_Chr07	NC_021166.1	26701579	GG	CC	CC	DRR	101507551	Unknown function
SNP_33813B_26701705	Ca_Kabuli_Chr07	NC_021166.1	26701705	AA	GG	GG	DRR	101507551	Unknown function
SNP_33814B_26702154	Ca_Kabuli_Chr07	NC_021166.1	26702154	GG	AA	AA	DRR	101507865	Unknown function
SNP_33815B_26702313	Ca_Kabuli_Chr07	NC_021166.1	26702313	TT	CC	CC	DRR	101507865	Unknown function
SNP_33816B_26702829	Ca_Kabuli_Chr07	NC_021166.1	26702829	CC	TT	TT	INTERGENIC		
SNP_33817B_26702861	Ca_Kabuli_Chr07	NC_021166.1	26702861	AA	GG	GG	URR	101507551	Unknown function
SNP_33818B_26702914	Ca_Kabuli_Chr07	NC_021166.1	26702914	AA	CC	CC	URR	101507551	Unknown function
SNP_33819B_26702922	Ca_Kabuli_Chr07	NC_021166.1	26702922	AA	CC	CC	URR	101507551	Unknown function
SNP_33820B_26717804	Ca_Kabuli_Chr07	NC_021166.1	26717804	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_33822B_26722381	Ca_Kabuli_Chr07	NC_021166.1	26722381	GG	TT	TT	INTERGENIC		
SNP_33823B_26730430	Ca_Kabuli_Chr07	NC_021166.1	26730430	TT	CC	CC	INTERGENIC		
SNP_33824B_26730534	Ca_Kabuli_Chr07	NC_021166.1	26730534	AA	GG	GG	INTERGENIC		
SNP_33825B_26738701	Ca_Kabuli_Chr07	NC_021166.1	26738701	TT	AA	AA	INTERGENIC		
SNP_33826B_26754795	Ca_Kabuli_Chr07	NC_021166.1	26754795	TT	CC	CC	INTERGENIC		
SNP_33827B_26758780	Ca_Kabuli_Chr07	NC_021166.1	26758780	AA	GG	GG	INTERGENIC		
SNP_33828B_26799074	Ca_Kabuli_Chr07	NC_021166.1	26799074	CC	TT	TT	INTERGENIC		
SNP_33829B_26799087	Ca_Kabuli_Chr07	NC_021166.1	26799087	GG	TT	TT	INTERGENIC		
SNP_33830B_26799117	Ca_Kabuli_Chr07	NC_021166.1	26799117	CC	TT	TT	INTERGENIC		
SNP_33832B_26799396	Ca_Kabuli_Chr07	NC_021166.1	26799396	TT	AA	AA	INTERGENIC		
SNP_33833B_26799430	Ca_Kabuli_Chr07	NC_021166.1	26799430	TT	AA	AA	INTERGENIC		
SNP_33834B_26799435	Ca_Kabuli_Chr07	NC_021166.1	26799435	GG	AA	AA	INTERGENIC		
SNP_33835B_26834244	Ca_Kabuli_Chr07	NC_021166.1	26834244	TT	CC	CC	INTERGENIC		
SNP_33836B_26981489	Ca_Kabuli_Chr07	NC_021166.1	26981489	TT	GG	GG	INTERGENIC		
SNP_33838B_26994485	Ca_Kabuli_Chr07	NC_021166.1	26994485	AA	TT	TT	INTERGENIC		
SNP_33839B_27009709	Ca_Kabuli_Chr07	NC_021166.1	27009709	AA	GG	GG	INTERGENIC		
SNP_33840B_27009735	Ca_Kabuli_Chr07	NC_021166.1	27009735	GG	AA	AA	INTERGENIC		
SNP_33841B_27009743	Ca_Kabuli_Chr07	NC_021166.1	27009743	TT	CC	CC	INTERGENIC		
SNP_33843B_27043158	Ca_Kabuli_Chr07	NC_021166.1	27043158	TT	GG	GG	INTERGENIC		
SNP_33844B_27070100	Ca_Kabuli_Chr07	NC_021166.1	27070100	CC	TT	TT	INTERGENIC		
SNP_33845B_27070162	Ca_Kabuli_Chr07	NC_021166.1	27070162	GG	AA	AA	INTERGENIC		
SNP_33846B_27070179	Ca_Kabuli_Chr07	NC_021166.1	27070179	AA	TT	TT	INTERGENIC		
SNP_33847B_27070190	Ca_Kabuli_Chr07	NC_021166.1	27070190	GG	TT	TT	INTERGENIC		
SNP_33848B_27115400	Ca_Kabuli_Chr07	NC_021166.1	27115400	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_33849B_27187485	Ca_Kabuli_Chr07	NC_021166.1	27187485	GG	AA	AA	INTERGENIC		
SNP_33850B_27190462	Ca_Kabuli_Chr07	NC_021166.1	27190462	TT	CC	CC	INTERGENIC		
SNP_33851B_27216180	Ca_Kabuli_Chr07	NC_021166.1	27216180	CC	TT	TT	INTERGENIC		
SNP_33852B_27332393	Ca_Kabuli_Chr07	NC_021166.1	27332393	AA	GG	GG	INTERGENIC		
SNP_33854B_27341388	Ca_Kabuli_Chr07	NC_021166.1	27341388	AA	GG	GG	INTERGENIC		
SNP_33855B_27341391	Ca_Kabuli_Chr07	NC_021166.1	27341391	TT	AA	AA	INTERGENIC		
SNP_33857B_27361060	Ca_Kabuli_Chr07	NC_021166.1	27361060	GG	TT	TT	NON_SYNONYMOUS_CODING	101512032	uncharacterized LOC101512032
SNP_33858B_27386580	Ca_Kabuli_Chr07	NC_021166.1	27386580	TT	CC	CC	INTERGENIC		
SNP_33859B_27393847	Ca_Kabuli_Chr07	NC_021166.1	27393847	CC	TT	TT	INTRON	101500699	peroxidase P7-like
SNP_33860B_27487926	Ca_Kabuli_Chr07	NC_021166.1	27487926	CC	TT	TT	INTERGENIC		
SNP_33861B_27488209	Ca_Kabuli_Chr07	NC_021166.1	27488209	TT	AA	AA	INTERGENIC		
SNP_33862B_27488260	Ca_Kabuli_Chr07	NC_021166.1	27488260	TT	GG	GG	INTERGENIC		
SNP_33863B_27501707	Ca_Kabuli_Chr07	NC_021166.1	27501707	GG	AA	AA	INTERGENIC		
SNP_33864B_27521090	Ca_Kabuli_Chr07	NC_021166.1	27521090	TT	CC	CC	INTRON	id171761	Unknown function
SNP_33865B_27521186	Ca_Kabuli_Chr07	NC_021166.1	27521186	TT	AA	AA	INTRON	id171761	Unknown function
SNP_33867B_27639694	Ca_Kabuli_Chr07	NC_021166.1	27639694	GG	AA	AA	INTERGENIC		
SNP_33868B_27662402	Ca_Kabuli_Chr07	NC_021166.1	27662402	CC	TT	TT	INTERGENIC		
SNP_33869B_27709318	Ca_Kabuli_Chr07	NC_021166.1	27709318	GG	AA	AA	INTERGENIC		
SNP_33870B_27731292	Ca_Kabuli_Chr07	NC_021166.1	27731292	GG	AA	AA	DRR	101503130	putative cyclin-B3-1
SNP_33871B_27761658	Ca_Kabuli_Chr07	NC_021166.1	27761658	GG	AA	AA	URR	101489031	UPF0496 protein 3-like
SNP_33873B_27840777	Ca_Kabuli_Chr07	NC_021166.1	27840777	TT	GG	GG	INTERGENIC		
SNP_33874B_27939643	Ca_Kabuli_Chr07	NC_021166.1	27939643	TT	CC	CC	INTERGENIC		
SNP_33875B_27939690	Ca_Kabuli_Chr07	NC_021166.1	27939690	TT	CC	CC	INTERGENIC		
SNP_33876B_27939724	Ca_Kabuli_Chr07	NC_021166.1	27939724	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_33877B_27939761	Ca_Kabuli_Chr07	NC_021166.1	27939761	AA	GG	GG	INTERGENIC		
SNP_33878B_27939768	Ca_Kabuli_Chr07	NC_021166.1	27939768	CC	AA	TT	INTERGENIC		
SNP_33879B_27939771	Ca_Kabuli_Chr07	NC_021166.1	27939771	CC	TT	TT	INTERGENIC		
SNP_33880B_27939875	Ca_Kabuli_Chr07	NC_021166.1	27939875	AA	TT	TT	INTERGENIC		
SNP_33881B_27940056	Ca_Kabuli_Chr07	NC_021166.1	27940056	AA	GG	GG	INTERGENIC		
SNP_33882B_27940229	Ca_Kabuli_Chr07	NC_021166.1	27940229	GG	CC	CC	INTERGENIC		
SNP_33883B_27979606	Ca_Kabuli_Chr07	NC_021166.1	27979606	CC	TT	TT	INTERGENIC		
SNP_33884B_28018744	Ca_Kabuli_Chr07	NC_021166.1	28018744	TT	CC	CC	INTERGENIC		
SNP_33885B_28045592	Ca_Kabuli_Chr07	NC_021166.1	28045592	AA	TT	TT	INTERGENIC		
SNP_33886B_28070982	Ca_Kabuli_Chr07	NC_021166.1	28070982	TT	AA	AA	INTERGENIC		
SNP_33887B_28075106	Ca_Kabuli_Chr07	NC_021166.1	28075106	GG	TT	TT	URR	101490662	Unknown function
SNP_33888B_28075293	Ca_Kabuli_Chr07	NC_021166.1	28075293	CC	TT	TT	URR	101490662	Unknown function
SNP_33889B_28075305	Ca_Kabuli_Chr07	NC_021166.1	28075305	GG	AA	AA	URR	101490662	Unknown function
SNP_33890B_28075328	Ca_Kabuli_Chr07	NC_021166.1	28075328	AA	GG	GG	URR	101490662	Unknown function
SNP_33891B_28075355	Ca_Kabuli_Chr07	NC_021166.1	28075355	GG	AA	AA	URR	101490662	Unknown function
SNP_33892B_28075368	Ca_Kabuli_Chr07	NC_021166.1	28075368	TT	CC	CC	URR	101490662	Unknown function
SNP_33893B_28075370	Ca_Kabuli_Chr07	NC_021166.1	28075370	AA	GG	GG	URR	101490662	Unknown function
SNP_33894B_28075382	Ca_Kabuli_Chr07	NC_021166.1	28075382	AA	GG	GG	URR	101490662	Unknown function
SNP_33895B_28075418	Ca_Kabuli_Chr07	NC_021166.1	28075418	CC	GG	GG	URR	101490662	Unknown function
SNP_33896B_28075438	Ca_Kabuli_Chr07	NC_021166.1	28075438	AA	GG	GG	URR	101490662	Unknown function
SNP_33897B_28075441	Ca_Kabuli_Chr07	NC_021166.1	28075441	AA	TT	TT	URR	101490662	Unknown function
SNP_33898B_28075463	Ca_Kabuli_Chr07	NC_021166.1	28075463	AA	GG	GG	URR	101490662	Unknown function
SNP_33899B_28075469	Ca_Kabuli_Chr07	NC_021166.1	28075469	CC	TT	TT	URR	101490662	Unknown function
SNP_33900B_28089276	Ca_Kabuli_Chr07	NC_021166.1	28089276	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_33902B_28093725	Ca_Kabuli_Chr07	NC_021166.1	28093725	CC	TT	TT	INTERGENIC		
SNP_33903B_28094014	Ca_Kabuli_Chr07	NC_021166.1	28094014	CC	AA	AA	INTERGENIC		
SNP_33904B_28094305	Ca_Kabuli_Chr07	NC_021166.1	28094305	TT	AA	AA	INTERGENIC		
SNP_33905B_28094346	Ca_Kabuli_Chr07	NC_021166.1	28094346	CC	TT	TT	INTERGENIC		
SNP_33906B_28113248	Ca_Kabuli_Chr07	NC_021166.1	28113248	CC	AA	AA	INTERGENIC		
SNP_33907B_28113256	Ca_Kabuli_Chr07	NC_021166.1	28113256	TT	CC	CC	INTERGENIC		
SNP_33908B_28113262	Ca_Kabuli_Chr07	NC_021166.1	28113262	CC	AA	AA	INTERGENIC		
SNP_33909B_28113271	Ca_Kabuli_Chr07	NC_021166.1	28113271	CC	TT	TT	INTERGENIC		
SNP_33910B_28113301	Ca_Kabuli_Chr07	NC_021166.1	28113301	GG	AA	AA	INTERGENIC		
SNP_33911B_28119615	Ca_Kabuli_Chr07	NC_021166.1	28119615	TT	CC	CC	INTERGENIC		
SNP_33913B_28137664	Ca_Kabuli_Chr07	NC_021166.1	28137664	TT	AA	AA	INTERGENIC		
SNP_33914B_28139307	Ca_Kabuli_Chr07	NC_021166.1	28139307	CC	TT	TT	INTERGENIC		
SNP_33915B_28164055	Ca_Kabuli_Chr07	NC_021166.1	28164055	GG	AA	AA	INTERGENIC		
SNP_33916B_28182605	Ca_Kabuli_Chr07	NC_021166.1	28182605	AA	GG	GG	DRR	101493045	Unknown function
SNP_33918B_28190095	Ca_Kabuli_Chr07	NC_021166.1	28190095	AA	TT	TT	INTERGENIC		
SNP_33919B_28190186	Ca_Kabuli_Chr07	NC_021166.1	28190186	AA	CC	CC	INTERGENIC		
SNP_33921B_28190228	Ca_Kabuli_Chr07	NC_021166.1	28190228	TT	CC	CC	INTERGENIC		
SNP_33922B_28219639	Ca_Kabuli_Chr07	NC_021166.1	28219639	GG	AA	AA	INTRON	101491929	cyclic nucleotide-gated ion channel 4-like
SNP_33923B_28220351	Ca_Kabuli_Chr07	NC_021166.1	28220351	CC	TT	TT	INTRON	101491929	cyclic nucleotide-gated ion channel 4-like
SNP_33924B_28240484	Ca_Kabuli_Chr07	NC_021166.1	28240484	AA	CC	CC	INTERGENIC		
SNP_33925B_28240490	Ca_Kabuli_Chr07	NC_021166.1	28240490	AA	GG	GG	INTERGENIC		
SNP_33926B_28240501	Ca_Kabuli_Chr07	NC_021166.1	28240501	GG	TT	TT	INTERGENIC		
SNP_33927B_28240517	Ca_Kabuli_Chr07	NC_021166.1	28240517	AA	GG	GG	INTERGENIC		
SNP_33928B_28240540	Ca_Kabuli_Chr07	NC_021166.1	28240540	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_33929B_28240545	Ca_Kabuli_Chr07	NC_021166.1	28240545	CC	AA	AA	INTERGENIC		
SNP_33930B_28240603	Ca_Kabuli_Chr07	NC_021166.1	28240603	GG	TT	TT	INTERGENIC		
SNP_33931B_28240611	Ca_Kabuli_Chr07	NC_021166.1	28240611	TT	CC	CC	INTERGENIC		
SNP_33932B_28240620	Ca_Kabuli_Chr07	NC_021166.1	28240620	AA	GG	GG	INTERGENIC		
SNP_33933B_28240810	Ca_Kabuli_Chr07	NC_021166.1	28240810	TT	GG	GG	INTERGENIC		
SNP_33934B_28240834	Ca_Kabuli_Chr07	NC_021166.1	28240834	TT	CC	CC	INTERGENIC		
SNP_33935B_28246091	Ca_Kabuli_Chr07	NC_021166.1	28246091	CC	TT	TT	INTERGENIC		
SNP_33937B_28335039	Ca_Kabuli_Chr07	NC_021166.1	28335039	CC	TT	TT	INTRON	101493369	uncharacterized LOC101493369
SNP_33938B_28336461	Ca_Kabuli_Chr07	NC_021166.1	28336461	AA	GG	GG	INTRON	101493369	uncharacterized LOC101493369
SNP_33939B_28352872	Ca_Kabuli_Chr07	NC_021166.1	28352872	TT	CC	CC	INTERGENIC		
SNP_33940B_28387885	Ca_Kabuli_Chr07	NC_021166.1	28387885	GG	TT	TT	INTERGENIC		
SNP_33941B_28529061	Ca_Kabuli_Chr07	NC_021166.1	28529061	GG	AA	AA	INTERGENIC		
SNP_33942B_28529062	Ca_Kabuli_Chr07	NC_021166.1	28529062	AA	TT	TT	INTERGENIC		
SNP_33944B_28529866	Ca_Kabuli_Chr07	NC_021166.1	28529866	AA	CC	CC	INTERGENIC		
SNP_33945B_28556902	Ca_Kabuli_Chr07	NC_021166.1	28556902	AA	CC	CC	DRR	101506477	uncharacterized LOC101506477
SNP_33946B_28556933	Ca_Kabuli_Chr07	NC_021166.1	28556933	AA	TT	TT	DRR	101506477	uncharacterized LOC101506477
SNP_33947B_28556974	Ca_Kabuli_Chr07	NC_021166.1	28556974	TT	CC	CC	DRR	101506477	uncharacterized LOC101506477
SNP_33948B_28557139	Ca_Kabuli_Chr07	NC_021166.1	28557139	CC	TT	TT	DRR	101506477	uncharacterized LOC101506477
SNP_33949B_28557203	Ca_Kabuli_Chr07	NC_021166.1	28557203	GG	AA	AA	INTRON	101506477	uncharacterized LOC101506477
SNP_33950B_28557249	Ca_Kabuli_Chr07	NC_021166.1	28557249	GG	TT	TT	INTRON	101506477	uncharacterized LOC101506477
SNP_33951B_28561207	Ca_Kabuli_Chr07	NC_021166.1	28561207	TT	CC	CC	DRR	101506803	uncharacterized LOC101506803
SNP_33952B_28561217	Ca_Kabuli_Chr07	NC_021166.1	28561217	GG	TT	TT	DRR	101506803	uncharacterized LOC101506803
SNP_33953B_28561376	Ca_Kabuli_Chr07	NC_021166.1	28561376	GG	CC	CC	DRR	101506803	uncharacterized LOC101506803
SNP_33954B_28561399	Ca_Kabuli_Chr07	NC_021166.1	28561399	GG	AA	AA	DRR	101506803	uncharacterized LOC101506803

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_33955B_28561428	Ca_Kabuli_Chr07	NC_021166.1	28561428	TT	CC	CC	DRR	101506803	uncharacterized LOC101506803
SNP_33956B_28589780	Ca_Kabuli_Chr07	NC_021166.1	28589780	AA	GG	GG	INTERGENIC		
SNP_33957B_28591551	Ca_Kabuli_Chr07	NC_021166.1	28591551	CC	TT	TT	DRR	101507140	WAT1-related protein At4g30420-like
SNP_33959B_28702221	Ca_Kabuli_Chr07	NC_021166.1	28702221	GG	AA	AA	DRR	101509032	actin-related protein 4-like
SNP_33960B_28702615	Ca_Kabuli_Chr07	NC_021166.1	28702615	TT	CC	CC	DRR	101509032	actin-related protein 4-like
SNP_33962B_28703571	Ca_Kabuli_Chr07	NC_021166.1	28703571	CC	AA	AA	INTRON	101509032	actin-related protein 4-like
SNP_33963B_28705945	Ca_Kabuli_Chr07	NC_021166.1	28705945	TT	CC	CC	INTRON	101509032	actin-related protein 4-like
SNP_33964B_28707198	Ca_Kabuli_Chr07	NC_021166.1	28707198	CC	AA	AA	INTRON	101509032	actin-related protein 4-like
SNP_33965B_28707394	Ca_Kabuli_Chr07	NC_021166.1	28707394	TT	CC	CC	INTRON	101509032	actin-related protein 4-like
SNP_33967B_28707467	Ca_Kabuli_Chr07	NC_021166.1	28707467	AA	GG	GG	INTRON	101509032	actin-related protein 4-like
SNP_33968B_28707595	Ca_Kabuli_Chr07	NC_021166.1	28707595	CC	TT	TT	INTRON	101509032	actin-related protein 4-like
SNP_33969B_28875858	Ca_Kabuli_Chr07	NC_021166.1	28875858	TT	AA	AA	INTERGENIC		
SNP_33970B_28875900	Ca_Kabuli_Chr07	NC_021166.1	28875900	TT	CC	CC	INTERGENIC		
SNP_33971B_28876231	Ca_Kabuli_Chr07	NC_021166.1	28876231	CC	AA	AA	INTERGENIC		
SNP_33972B_28888169	Ca_Kabuli_Chr07	NC_021166.1	28888169	GG	AA	AA	INTERGENIC		
SNP_33973B_29161206	Ca_Kabuli_Chr07	NC_021166.1	29161206	TT	GG	GG	URR	101491622	uncharacterized LOC101491622
SNP_33974B_29196781	Ca_Kabuli_Chr07	NC_021166.1	29196781	CC	TT	TT	INTERGENIC		
SNP_33975B_29211452	Ca_Kabuli_Chr07	NC_021166.1	29211452	TT	AA	AA	INTERGENIC		
SNP_33976B_29212023	Ca_Kabuli_Chr07	NC_021166.1	29212023	AA	TT	TT	INTERGENIC		
SNP_33977B_29212025	Ca_Kabuli_Chr07	NC_021166.1	29212025	CC	AA	AA	INTERGENIC		
SNP_33978B_29212026	Ca_Kabuli_Chr07	NC_021166.1	29212026	AA	TT	TT	INTERGENIC		
SNP_33979B_29212027	Ca_Kabuli_Chr07	NC_021166.1	29212027	GG	TT	TT	INTERGENIC		
SNP_33980B_29212028	Ca_Kabuli_Chr07	NC_021166.1	29212028	GG	CC	CC	INTERGENIC		
SNP_33982B_29294255	Ca_Kabuli_Chr07	NC_021166.1	29294255	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_33984B_29395476	Ca_Kabuli_Chr07	NC_021166.1	29395476	TT	GG	GG	INTERGENIC		
SNP_33986B_29416464	Ca_Kabuli_Chr07	NC_021166.1	29416464	AA	GG	GG	INTERGENIC		
SNP_33988B_29416577	Ca_Kabuli_Chr07	NC_021166.1	29416577	TT	CC	CC	INTERGENIC		
SNP_33989B_29416714	Ca_Kabuli_Chr07	NC_021166.1	29416714	AA	GG	GG	INTERGENIC		
SNP_33991B_29416892	Ca_Kabuli_Chr07	NC_021166.1	29416892	GG	AA	AA	INTERGENIC		
SNP_33992B_29416893	Ca_Kabuli_Chr07	NC_021166.1	29416893	GG	AA	AA	INTERGENIC		
SNP_33993B_29417586	Ca_Kabuli_Chr07	NC_021166.1	29417586	TT	AA	AA	DRR	101497246	uncharacterized LOC101497246
SNP_33994B_29417645	Ca_Kabuli_Chr07	NC_021166.1	29417645	AA	GG	GG	DRR	101497246	uncharacterized LOC101497246
SNP_33995B_29417693	Ca_Kabuli_Chr07	NC_021166.1	29417693	GG	CC	CC	DRR	101497246	uncharacterized LOC101497246
SNP_33996B_29417759	Ca_Kabuli_Chr07	NC_021166.1	29417759	AA	CC	CC	DRR	101497246	uncharacterized LOC101497246
SNP_33998B_29417970	Ca_Kabuli_Chr07	NC_021166.1	29417970	GG	AA	AA	DRR	101497246	uncharacterized LOC101497246
SNP_34000B_29428389	Ca_Kabuli_Chr07	NC_021166.1	29428389	GG	AA	AA	INTRON	id172707	Unknown function
SNP_34001B_29433171	Ca_Kabuli_Chr07	NC_021166.1	29433171	GG	CC	CC	INTRON	id172707	Unknown function
SNP_34002B_29433179	Ca_Kabuli_Chr07	NC_021166.1	29433179	CC	TT	TT	INTRON	id172707	Unknown function
SNP_34003B_29433206	Ca_Kabuli_Chr07	NC_021166.1	29433206	TT	CC	CC	INTRON	id172707	Unknown function
SNP_34004B_29433354	Ca_Kabuli_Chr07	NC_021166.1	29433354	TT	CC	CC	INTRON	id172707	Unknown function
SNP_34005B_29433372	Ca_Kabuli_Chr07	NC_021166.1	29433372	CC	TT	TT	INTRON	id172707	Unknown function
SNP_34006B_29433448	Ca_Kabuli_Chr07	NC_021166.1	29433448	TT	AA	AA	INTRON	id172707	Unknown function
SNP_34008B_29433644	Ca_Kabuli_Chr07	NC_021166.1	29433644	CC	GG	GG	NON_SYNONYMOUS_CODING	id172707	Unknown function
SNP_34009B_29433738	Ca_Kabuli_Chr07	NC_021166.1	29433738	CC	TT	TT	INTRON	id172707	Unknown function
SNP_34011B_29461297	Ca_Kabuli_Chr07	NC_021166.1	29461297	AA	CC	CC	URR	101498673	ubiquitin-like-conjugating enzyme ATG10
SNP_34012B_29461319	Ca_Kabuli_Chr07	NC_021166.1	29461319	TT	AA	AA	URR	101498673	ubiquitin-like-conjugating enzyme ATG10
SNP_34013B_29504812	Ca_Kabuli_Chr07	NC_021166.1	29504812	CC	TT	TT	INTERGENIC		
SNP_34014B_29504824	Ca_Kabuli_Chr07	NC_021166.1	29504824	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_34015B_29504889	Ca_Kabuli_Chr07	NC_021166.1	29504889	TT	AA	AA	INTERGENIC		
SNP_34016B_29504966	Ca_Kabuli_Chr07	NC_021166.1	29504966	CC	GG	GG	INTERGENIC		
SNP_34017B_29547429	Ca_Kabuli_Chr07	NC_021166.1	29547429	CC	TT	TT	STOP_GAINED	101500595	uncharacterized LOC101500595
SNP_34018B_29547840	Ca_Kabuli_Chr07	NC_021166.1	29547840	GG	AA	AA	INTRON	101500595	uncharacterized LOC101500595
SNP_34019B_29605369	Ca_Kabuli_Chr07	NC_021166.1	29605369	AA	TT	TT	URR	101501547	ethylene-responsive transcription factor CRF1-like
SNP_34020B_29605734	Ca_Kabuli_Chr07	NC_021166.1	29605734	TT	AA	AA	INTERGENIC		
SNP_34022B_29695025	Ca_Kabuli_Chr07	NC_021166.1	29695025	TT	CC	CC	INTERGENIC		
SNP_34023B_29753839	Ca_Kabuli_Chr07	NC_021166.1	29753839	TT	CC	CC	INTRON	101504968	protein transport protein SEC23
SNP_34025B_29790248	Ca_Kabuli_Chr07	NC_021166.1	29790248	AA	TT	TT	INTERGENIC		
SNP_34026B_29877400	Ca_Kabuli_Chr07	NC_021166.1	29877400	GG	AA	AA	INTERGENIC		
SNP_34027B_29908766	Ca_Kabuli_Chr07	NC_021166.1	29908766	GG	AA	AA	INTERGENIC		
SNP_34028B_29929735	Ca_Kabuli_Chr07	NC_021166.1	29929735	CC	TT	GG	URR	101511080	disease resistance protein RGA2-like
SNP_34029B_29930053	Ca_Kabuli_Chr07	NC_021166.1	29930053	GG	AA	AA	URR	101511080	disease resistance protein RGA2-like
SNP_34030B_29940193	Ca_Kabuli_Chr07	NC_021166.1	29940193	TT	CC	CC	INTERGENIC		
SNP_34032B_29996304	Ca_Kabuli_Chr07	NC_021166.1	29996304	AA	CC	CC	INTERGENIC		
SNP_34033B_29996331	Ca_Kabuli_Chr07	NC_021166.1	29996331	CC	TT	TT	INTERGENIC		
SNP_34034B_30000045	Ca_Kabuli_Chr07	NC_021166.1	30000045	GG	AA	AA	INTERGENIC		
SNP_34035B_30001696	Ca_Kabuli_Chr07	NC_021166.1	30001696	CC	AA	AA	INTERGENIC		
SNP_34037B_30011236	Ca_Kabuli_Chr07	NC_021166.1	30011236	TT	GG	GG	URR	101513433	transcription factor bHLH62-like
SNP_34038B_30011269	Ca_Kabuli_Chr07	NC_021166.1	30011269	CC	TT	TT	URR	101513433	transcription factor bHLH62-like
SNP_34039B_30026017	Ca_Kabuli_Chr07	NC_021166.1	30026017	TT	CC	CC	INTERGENIC		
SNP_34040B_30028394	Ca_Kabuli_Chr07	NC_021166.1	30028394	AA	GG	GG	DRR	101514314	40S ribosomal protein S8
SNP_34041B_30028399	Ca_Kabuli_Chr07	NC_021166.1	30028399	CC	AA	AA	DRR	101514314	40S ribosomal protein S8
SNP_34042B_30029590	Ca_Kabuli_Chr07	NC_021166.1	30029590	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_34043B_30034926	Ca_Kabuli_Chr07	NC_021166.1	30034926	AA	GG	GG	DRR	101514635	class II metallothionein-like protein 1A
SNP_34044B_30036222	Ca_Kabuli_Chr07	NC_021166.1	30036222	AA	GG	GG	DRR	101514965	peptidyl-prolyl cis-trans isomerase FKBP62-like
SNP_34045B_30041810	Ca_Kabuli_Chr07	NC_021166.1	30041810	TT	GG	GG	URR	101514965	peptidyl-prolyl cis-trans isomerase FKBP62-like
SNP_34046B_30042133	Ca_Kabuli_Chr07	NC_021166.1	30042133	AA	GG	GG	URR	101514965	peptidyl-prolyl cis-trans isomerase FKBP62-like
SNP_34047B_30042553	Ca_Kabuli_Chr07	NC_021166.1	30042553	AA	GG	GG	URR	101514965	peptidyl-prolyl cis-trans isomerase FKBP62-like
SNP_34048B_30042569	Ca_Kabuli_Chr07	NC_021166.1	30042569	GG	CC	CC	URR	101514965	peptidyl-prolyl cis-trans isomerase FKBP62-like
SNP_34049B_30042875	Ca_Kabuli_Chr07	NC_021166.1	30042875	TT	CC	CC	URR	101514965	peptidyl-prolyl cis-trans isomerase FKBP62-like
SNP_34050B_30042891	Ca_Kabuli_Chr07	NC_021166.1	30042891	AA	GG	GG	URR	101514965	peptidyl-prolyl cis-trans isomerase FKBP62-like
SNP_34051B_30043099	Ca_Kabuli_Chr07	NC_021166.1	30043099	CC	TT	TT	URR	101514965	peptidyl-prolyl cis-trans isomerase FKBP62-like
SNP_34052B_30043108	Ca_Kabuli_Chr07	NC_021166.1	30043108	AA	CC	CC	URR	101514965	peptidyl-prolyl cis-trans isomerase FKBP62-like
SNP_34053B_30043112	Ca_Kabuli_Chr07	NC_021166.1	30043112	AA	GG	GG	URR	101514965	peptidyl-prolyl cis-trans isomerase FKBP62-like
SNP_34054B_30043435	Ca_Kabuli_Chr07	NC_021166.1	30043435	TT	AA	AA	INTERGENIC		
SNP_34055B_30044573	Ca_Kabuli_Chr07	NC_021166.1	30044573	CC	TT	TT	INTERGENIC		
SNP_34056B_30044750	Ca_Kabuli_Chr07	NC_021166.1	30044750	GG	AA	AA	INTERGENIC		
SNP_34057B_30044800	Ca_Kabuli_Chr07	NC_021166.1	30044800	AA	GG	GG	INTERGENIC		
SNP_34058B_30046524	Ca_Kabuli_Chr07	NC_021166.1	30046524	AA	CC	CC	INTERGENIC		
SNP_34059B_30046723	Ca_Kabuli_Chr07	NC_021166.1	30046723	CC	GG	GG	INTERGENIC		
SNP_34060B_30047816	Ca_Kabuli_Chr07	NC_021166.1	30047816	GG	AA	AA	INTERGENIC		
SNP_34062B_30054006	Ca_Kabuli_Chr07	NC_021166.1	30054006	GG	AA	AA	DRR	101515614	probable copper-transporting ATPase HMA5
SNP_34064B_30060602	Ca_Kabuli_Chr07	NC_021166.1	30060602	AA	TT	TT	INTERGENIC		
SNP_34065B_30060653	Ca_Kabuli_Chr07	NC_021166.1	30060653	TT	CC	CC	INTERGENIC		
SNP_34066B_30069030	Ca_Kabuli_Chr07	NC_021166.1	30069030	GG	CC	CC	INTERGENIC		
SNP_34067B_30069590	Ca_Kabuli_Chr07	NC_021166.1	30069590	AA	GG	GG	INTERGENIC		
SNP_34068B_30069628	Ca_Kabuli_Chr07	NC_021166.1	30069628	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_34069B_30069631	Ca_Kabuli_Chr07	NC_021166.1	30069631	AA	CC	CC	INTERGENIC		
SNP_34070B_30069668	Ca_Kabuli_Chr07	NC_021166.1	30069668	CC	AA	AA	INTERGENIC		
SNP_34071B_30069850	Ca_Kabuli_Chr07	NC_021166.1	30069850	TT	AA	AA	INTERGENIC		
SNP_34072B_30069857	Ca_Kabuli_Chr07	NC_021166.1	30069857	GG	TT	TT	INTERGENIC		
SNP_34073B_30070501	Ca_Kabuli_Chr07	NC_021166.1	30070501	TT	AA	AA	INTERGENIC		
SNP_34074B_30070531	Ca_Kabuli_Chr07	NC_021166.1	30070531	TT	AA	AA	INTERGENIC		
SNP_34075B_30072942	Ca_Kabuli_Chr07	NC_021166.1	30072942	CC	AA	AA	INTERGENIC		
SNP_34076B_30075754	Ca_Kabuli_Chr07	NC_021166.1	30075754	GG	AA	AA	URR	101488695	uncharacterized LOC101488695
SNP_34077B_30075809	Ca_Kabuli_Chr07	NC_021166.1	30075809	GG	AA	AA	URR	101488695	uncharacterized LOC101488695
SNP_34078B_30077383	Ca_Kabuli_Chr07	NC_021166.1	30077383	TT	CC	CC	URR	101488695	uncharacterized LOC101488695
SNP_34080B_30088490	Ca_Kabuli_Chr07	NC_021166.1	30088490	CC	TT	TT	INTERGENIC		
SNP_34081B_30090624	Ca_Kabuli_Chr07	NC_021166.1	30090624	GG	AA	AA	INTERGENIC		
SNP_34082B_30090629	Ca_Kabuli_Chr07	NC_021166.1	30090629	GG	AA	AA	INTERGENIC		
SNP_34083B_30090776	Ca_Kabuli_Chr07	NC_021166.1	30090776	AA	GG	GG	INTERGENIC		
SNP_34084B_30090777	Ca_Kabuli_Chr07	NC_021166.1	30090777	CC	TT	TT	INTERGENIC		
SNP_34085B_30090849	Ca_Kabuli_Chr07	NC_021166.1	30090849	CC	GG	GG	INTERGENIC		
SNP_34086B_30090884	Ca_Kabuli_Chr07	NC_021166.1	30090884	CC	TT	TT	INTERGENIC		
SNP_34087B_30091002	Ca_Kabuli_Chr07	NC_021166.1	30091002	TT	CC	CC	INTERGENIC		
SNP_34088B_30091013	Ca_Kabuli_Chr07	NC_021166.1	30091013	TT	CC	CC	INTERGENIC		
SNP_34089B_30091022	Ca_Kabuli_Chr07	NC_021166.1	30091022	CC	AA	AA	INTERGENIC		
SNP_34090B_30091074	Ca_Kabuli_Chr07	NC_021166.1	30091074	GG	AA	AA	INTERGENIC		
SNP_34091B_30091083	Ca_Kabuli_Chr07	NC_021166.1	30091083	CC	TT	TT	INTERGENIC		
SNP_34092B_30091118	Ca_Kabuli_Chr07	NC_021166.1	30091118	TT	AA	AA	INTERGENIC		
SNP_34093B_30091550	Ca_Kabuli_Chr07	NC_021166.1	30091550	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_34094B_30091551	Ca_Kabuli_Chr07	NC_021166.1	30091551	GG	CC	CC	INTERGENIC		
SNP_34095B_30093230	Ca_Kabuli_Chr07	NC_021166.1	30093230	GG	CC	CC	INTERGENIC		
SNP_34096B_30093270	Ca_Kabuli_Chr07	NC_021166.1	30093270	GG	AA	AA	INTERGENIC		
SNP_34097B_30093507	Ca_Kabuli_Chr07	NC_021166.1	30093507	GG	AA	AA	INTERGENIC		
SNP_34098B_30097333	Ca_Kabuli_Chr07	NC_021166.1	30097333	GG	TT	TT	INTERGENIC		
SNP_34099B_30098245	Ca_Kabuli_Chr07	NC_021166.1	30098245	AA	GG	GG	INTERGENIC		
SNP_34100B_30098532	Ca_Kabuli_Chr07	NC_021166.1	30098532	TT	CC	CC	INTERGENIC		
SNP_34101B_30098592	Ca_Kabuli_Chr07	NC_021166.1	30098592	GG	AA	AA	INTERGENIC		
SNP_34102B_30101110	Ca_Kabuli_Chr07	NC_021166.1	30101110	CC	TT	TT	INTRON	101489146	uncharacterized LOC101489146
SNP_34103B_30101120	Ca_Kabuli_Chr07	NC_021166.1	30101120	AA	GG	GG	INTRON	101489146	uncharacterized LOC101489146
SNP_34104B_30101121	Ca_Kabuli_Chr07	NC_021166.1	30101121	TT	CC	CC	INTRON	101489146	uncharacterized LOC101489146
SNP_34105B_30102549	Ca_Kabuli_Chr07	NC_021166.1	30102549	TT	CC	CC	URR	101489146	uncharacterized LOC101489146
SNP_34107B_30103195	Ca_Kabuli_Chr07	NC_021166.1	30103195	AA	TT	TT	URR	101489146	uncharacterized LOC101489146
SNP_34108B_30103561	Ca_Kabuli_Chr07	NC_021166.1	30103561	CC	AA	AA	URR	101489146	uncharacterized LOC101489146
SNP_34109B_30108717	Ca_Kabuli_Chr07	NC_021166.1	30108717	CC	TT	TT	INTRON	101489477	serine/threonine-protein kinase MHK
SNP_34110B_30130322	Ca_Kabuli_Chr07	NC_021166.1	30130322	CC	TT	TT	DRR	101490443	Unknown function
SNP_34111B_30130324	Ca_Kabuli_Chr07	NC_021166.1	30130324	TT	CC	CC	DRR	101490443	Unknown function
SNP_34113B_30130366	Ca_Kabuli_Chr07	NC_021166.1	30130366	GG	AA	AA	DRR	101490443	Unknown function
SNP_34114B_30130532	Ca_Kabuli_Chr07	NC_021166.1	30130532	TT	CC	CC	DRR	101490443	Unknown function
SNP_34115B_30130655	Ca_Kabuli_Chr07	NC_021166.1	30130655	GG	AA	AA	DRR	101490443	Unknown function
SNP_34116B_30130661	Ca_Kabuli_Chr07	NC_021166.1	30130661	AA	GG	GG	DRR	101490443	Unknown function
SNP_34118B_30132723	Ca_Kabuli_Chr07	NC_021166.1	30132723	AA	CC	CC	INTERGENIC		
SNP_34119B_30132985	Ca_Kabuli_Chr07	NC_021166.1	30132985	AA	TT	TT	INTRON	101490762	1-deoxy-D-xylulose 5-phosphate reductoisomerase, chloroplastic-like
SNP_34120B_30132990	Ca_Kabuli_Chr07	NC_021166.1	30132990	GG	CC	CC	INTRON	101490762	1-deoxy-D-xylulose 5-phosphate reductoisomerase, chloroplastic-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_34121B_30147056	Ca_Kabuli_Chr07	NC_021166.1	30147056	GG	TT	TT	INTERGENIC		
SNP_34122B_30148943	Ca_Kabuli_Chr07	NC_021166.1	30148943	TT	CC	CC	DRR	101491406	uncharacterized LOC101491406
SNP_34123B_30148946	Ca_Kabuli_Chr07	NC_021166.1	30148946	GG	TT	TT	DRR	101491406	uncharacterized LOC101491406
SNP_34124B_30153413	Ca_Kabuli_Chr07	NC_021166.1	30153413	GG	CC	CC	INTERGENIC		
SNP_34125B_30155798	Ca_Kabuli_Chr07	NC_021166.1	30155798	AA	CC	CC	INTERGENIC		
SNP_34126B_30157366	Ca_Kabuli_Chr07	NC_021166.1	30157366	CC	TT	TT	INTERGENIC		
SNP_34127B_30161316	Ca_Kabuli_Chr07	NC_021166.1	30161316	AA	GG	GG	INTRON	101505071	cytochrome P450 82C4-like
SNP_34128B_30187488	Ca_Kabuli_Chr07	NC_021166.1	30187488	CC	TT	TT	URR	101492040	ER lumen protein-retaining receptor-like
SNP_34129B_30187788	Ca_Kabuli_Chr07	NC_021166.1	30187788	AA	TT	TT	URR	101492040	ER lumen protein-retaining receptor-like
SNP_34130B_30187810	Ca_Kabuli_Chr07	NC_021166.1	30187810	CC	AA	AA	URR	101492040	ER lumen protein-retaining receptor-like
SNP_34131B_30187827	Ca_Kabuli_Chr07	NC_021166.1	30187827	GG	AA	AA	INTERGENIC		
SNP_34132B_30189401	Ca_Kabuli_Chr07	NC_021166.1	30189401	GG	CC	CC	DRR	101505393	ER lumen protein-retaining receptor 1-like
SNP_34133B_30191026	Ca_Kabuli_Chr07	NC_021166.1	30191026	GG	TT	TT	INTRON	101505393	ER lumen protein-retaining receptor 1-like
SNP_34134B_30204082	Ca_Kabuli_Chr07	NC_021166.1	30204082	GG	AA	AA	INTERGENIC		
SNP_34135B_30206811	Ca_Kabuli_Chr07	NC_021166.1	30206811	GG	CC	CC	DRR	101493047	uncharacterized LOC101493047
SNP_34136B_30206935	Ca_Kabuli_Chr07	NC_021166.1	30206935	TT	CC	CC	DRR	101493047	uncharacterized LOC101493047
SNP_34137B_30207185	Ca_Kabuli_Chr07	NC_021166.1	30207185	CC	GG	GG	DRR	101493047	uncharacterized LOC101493047
SNP_34138B_30207246	Ca_Kabuli_Chr07	NC_021166.1	30207246	AA	GG	GG	DRR	101493047	uncharacterized LOC101493047
SNP_34139B_30207267	Ca_Kabuli_Chr07	NC_021166.1	30207267	TT	CC	CC	DRR	101493047	uncharacterized LOC101493047
SNP_34140B_30207849	Ca_Kabuli_Chr07	NC_021166.1	30207849	GG	TT	TT	INTERGENIC		
SNP_34141B_30207937	Ca_Kabuli_Chr07	NC_021166.1	30207937	TT	AA	AA	INTERGENIC		
SNP_34142B_30207941	Ca_Kabuli_Chr07	NC_021166.1	30207941	TT	AA	AA	INTERGENIC		
SNP_34143B_30207961	Ca_Kabuli_Chr07	NC_021166.1	30207961	GG	AA	AA	INTERGENIC		
SNP_34144B_30207981	Ca_Kabuli_Chr07	NC_021166.1	30207981	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_34145B_30207992	Ca_Kabuli_Chr07	NC_021166.1	30207992	GG	CC	CC	INTERGENIC		
SNP_34146B_30208010	Ca_Kabuli_Chr07	NC_021166.1	30208010	AA	CC	CC	INTERGENIC		
SNP_34147B_30208018	Ca_Kabuli_Chr07	NC_021166.1	30208018	TT	CC	CC	INTERGENIC		
SNP_34148B_30208029	Ca_Kabuli_Chr07	NC_021166.1	30208029	AA	GG	GG	INTERGENIC		
SNP_34149B_30208075	Ca_Kabuli_Chr07	NC_021166.1	30208075	CC	TT	TT	INTERGENIC		
SNP_34150B_30208123	Ca_Kabuli_Chr07	NC_021166.1	30208123	AA	CC	CC	INTERGENIC		
SNP_34151B_30208132	Ca_Kabuli_Chr07	NC_021166.1	30208132	AA	GG	GG	INTERGENIC		
SNP_34152B_30208139	Ca_Kabuli_Chr07	NC_021166.1	30208139	GG	TT	TT	INTERGENIC		
SNP_34153B_30208157	Ca_Kabuli_Chr07	NC_021166.1	30208157	TT	CC	CC	INTERGENIC		
SNP_34155B_30208185	Ca_Kabuli_Chr07	NC_021166.1	30208185	GG	CC	CC	INTERGENIC		
SNP_34156B_30208193	Ca_Kabuli_Chr07	NC_021166.1	30208193	GG	CC	CC	INTERGENIC		
SNP_34157B_30208204	Ca_Kabuli_Chr07	NC_021166.1	30208204	TT	AA	AA	INTERGENIC		
SNP_34158B_30208214	Ca_Kabuli_Chr07	NC_021166.1	30208214	GG	AA	AA	INTERGENIC		
SNP_34159B_30208223	Ca_Kabuli_Chr07	NC_021166.1	30208223	AA	GG	GG	INTERGENIC		
SNP_34160B_30208257	Ca_Kabuli_Chr07	NC_021166.1	30208257	AA	TT	TT	INTERGENIC		
SNP_34161B_30208272	Ca_Kabuli_Chr07	NC_021166.1	30208272	AA	CC	CC	INTERGENIC		
SNP_34163B_30208313	Ca_Kabuli_Chr07	NC_021166.1	30208313	TT	CC	CC	INTERGENIC		
SNP_34164B_30208318	Ca_Kabuli_Chr07	NC_021166.1	30208318	AA	GG	GG	INTERGENIC		
SNP_34165B_30208334	Ca_Kabuli_Chr07	NC_021166.1	30208334	CC	TT	TT	INTERGENIC		
SNP_34166B_30208429	Ca_Kabuli_Chr07	NC_021166.1	30208429	TT	GG	GG	INTERGENIC		
SNP_34167B_30208448	Ca_Kabuli_Chr07	NC_021166.1	30208448	AA	GG	GG	INTERGENIC		
SNP_34168B_30208536	Ca_Kabuli_Chr07	NC_021166.1	30208536	TT	CC	CC	INTERGENIC		
SNP_34169B_30208549	Ca_Kabuli_Chr07	NC_021166.1	30208549	AA	CC	CC	INTERGENIC		
SNP_34170B_30208695	Ca_Kabuli_Chr07	NC_021166.1	30208695	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_34171B_30208747	Ca_Kabuli_Chr07	NC_021166.1	30208747	TT	GG	GG	INTERGENIC		
SNP_34173B_30216159	Ca_Kabuli_Chr07	NC_021166.1	30216159	AA	TT	TT	INTERGENIC		
SNP_34174B_30216167	Ca_Kabuli_Chr07	NC_021166.1	30216167	CC	TT	TT	INTERGENIC		
SNP_34175B_30216848	Ca_Kabuli_Chr07	NC_021166.1	30216848	AA	GG	GG	INTERGENIC		
SNP_34177B_30220054	Ca_Kabuli_Chr07	NC_021166.1	30220054	TT	CC	CC	DRR	101505727	hydroquinone glucosyltransferase-like
SNP_34179B_30230280	Ca_Kabuli_Chr07	NC_021166.1	30230280	CC	AA	AA	INTERGENIC		
SNP_34180B_30345677	Ca_Kabuli_Chr07	NC_021166.1	30345677	CC	GG	GG	INTERGENIC		
SNP_34181B_30414645	Ca_Kabuli_Chr07	NC_021166.1	30414645	GG	AA	AA	INTRON	101507975	xyloglucan endotransglucosylase/hydrolase protein 2-like
SNP_34182B_30414809	Ca_Kabuli_Chr07	NC_021166.1	30414809	GG	TT	TT	INTRON	101507975	xyloglucan endotransglucosylase/hydrolase protein 2-like
SNP_34183B_30414863	Ca_Kabuli_Chr07	NC_021166.1	30414863	AA	GG	GG	INTRON	101507975	xyloglucan endotransglucosylase/hydrolase protein 2-like
SNP_34184B_30414867	Ca_Kabuli_Chr07	NC_021166.1	30414867	TT	CC	CC	INTRON	101507975	xyloglucan endotransglucosylase/hydrolase protein 2-like
SNP_34185B_30414886	Ca_Kabuli_Chr07	NC_021166.1	30414886	AA	GG	GG	INTRON	101507975	xyloglucan endotransglucosylase/hydrolase protein 2-like
SNP_34186B_30414911	Ca_Kabuli_Chr07	NC_021166.1	30414911	TT	CC	CC	INTRON	101507975	xyloglucan endotransglucosylase/hydrolase protein 2-like
SNP_34187B_30414914	Ca_Kabuli_Chr07	NC_021166.1	30414914	GG	TT	TT	INTRON	101507975	xyloglucan endotransglucosylase/hydrolase protein 2-like
SNP_34188B_30415132	Ca_Kabuli_Chr07	NC_021166.1	30415132	AA	GG	GG	INTRON	101507975	xyloglucan endotransglucosylase/hydrolase protein 2-like
SNP_34189B_30415187	Ca_Kabuli_Chr07	NC_021166.1	30415187	TT	CC	CC	INTRON	101507975	xyloglucan endotransglucosylase/hydrolase protein 2-like
SNP_34191B_30415206	Ca_Kabuli_Chr07	NC_021166.1	30415206	CC	AA	AA	INTRON	101507975	xyloglucan endotransglucosylase/hydrolase protein 2-like
SNP_34192B_30415321	Ca_Kabuli_Chr07	NC_021166.1	30415321	CC	TT	TT	INTRON	101507975	xyloglucan endotransglucosylase/hydrolase protein 2-like
SNP_34193B_30415327	Ca_Kabuli_Chr07	NC_021166.1	30415327	TT	GG	GG	INTRON	101507975	xyloglucan endotransglucosylase/hydrolase protein 2-like
SNP_34194B_30415350	Ca_Kabuli_Chr07	NC_021166.1	30415350	TT	AA	AA	INTRON	101507975	xyloglucan endotransglucosylase/hydrolase protein 2-like
SNP_34195B_30415408	Ca_Kabuli_Chr07	NC_021166.1	30415408	TT	CC	CC	INTRON	101507975	xyloglucan endotransglucosylase/hydrolase protein 2-like
SNP_34196B_30415435	Ca_Kabuli_Chr07	NC_021166.1	30415435	CC	TT	TT	INTRON	101507975	xyloglucan endotransglucosylase/hydrolase protein 2-like
SNP_34197B_30415436	Ca_Kabuli_Chr07	NC_021166.1	30415436	TT	CC	CC	INTRON	101507975	xyloglucan endotransglucosylase/hydrolase protein 2-like
SNP_34198B_30415437	Ca_Kabuli_Chr07	NC_021166.1	30415437	AA	GG	GG	INTRON	101507975	xyloglucan endotransglucosylase/hydrolase protein 2-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_34199B_30415444	Ca_Kabuli_Chr07	NC_021166.1	30415444	CC	TT	TT	INTRON	101507975	xyloglucan endotransglucosylase/hydrolase protein 2-like
SNP_34200B_30415449	Ca_Kabuli_Chr07	NC_021166.1	30415449	GG	AA	AA	INTRON	101507975	xyloglucan endotransglucosylase/hydrolase protein 2-like
SNP_34201B_30415643	Ca_Kabuli_Chr07	NC_021166.1	30415643	TT	CC	CC	INTRON	101507975	xyloglucan endotransglucosylase/hydrolase protein 2-like
SNP_34202B_30422872	Ca_Kabuli_Chr07	NC_021166.1	30422872	CC	TT	TT	URR	101507975	xyloglucan endotransglucosylase/hydrolase protein 2-like
SNP_34203B_30424122	Ca_Kabuli_Chr07	NC_021166.1	30424122	AA	GG	GG	DRR	101508607	xyloglucan endotransglucosylase/hydrolase protein 2-like
SNP_34204B_30426685	Ca_Kabuli_Chr07	NC_021166.1	30426685	TT	CC	CC	URR	101508607	xyloglucan endotransglucosylase/hydrolase protein 2-like
SNP_34205B_30617045	Ca_Kabuli_Chr07	NC_021166.1	30617045	AA	GG	GG	INTERGENIC		
SNP_34206B_30617443	Ca_Kabuli_Chr07	NC_021166.1	30617443	TT	CC	CC	INTERGENIC		
SNP_34207B_30627155	Ca_Kabuli_Chr07	NC_021166.1	30627155	CC	AA	AA	URR	101508921	cullin-1-like
SNP_34208B_30661920	Ca_Kabuli_Chr07	NC_021166.1	30661920	GG	AA	AA	INTERGENIC		
SNP_34209B_30721008	Ca_Kabuli_Chr07	NC_021166.1	30721008	GG	AA	AA	INTERGENIC		
SNP_34210B_30721052	Ca_Kabuli_Chr07	NC_021166.1	30721052	TT	GG	GG	INTERGENIC		
SNP_34212B_30749636	Ca_Kabuli_Chr07	NC_021166.1	30749636	AA	TT	TT	INTERGENIC		
SNP_34213B_30749637	Ca_Kabuli_Chr07	NC_021166.1	30749637	AA	TT	TT	INTERGENIC		
SNP_34214B_30845598	Ca_Kabuli_Chr07	NC_021166.1	30845598	AA	TT	TT	INTERGENIC		
SNP_34215B_30845600	Ca_Kabuli_Chr07	NC_021166.1	30845600	TT	AA	AA	INTERGENIC		
SNP_34217B_30874315	Ca_Kabuli_Chr07	NC_021166.1	30874315	CC	TT	TT	INTERGENIC		
SNP_34218B_30874335	Ca_Kabuli_Chr07	NC_021166.1	30874335	GG	AA	AA	INTERGENIC		
SNP_34219B_30874372	Ca_Kabuli_Chr07	NC_021166.1	30874372	AA	GG	GG	INTERGENIC		
SNP_34220B_30874652	Ca_Kabuli_Chr07	NC_021166.1	30874652	GG	AA	AA	INTERGENIC		
SNP_34221B_30874725	Ca_Kabuli_Chr07	NC_021166.1	30874725	GG	AA	AA	INTERGENIC		
SNP_34222B_30874745	Ca_Kabuli_Chr07	NC_021166.1	30874745	GG	AA	AA	INTERGENIC		
SNP_34223B_30930489	Ca_Kabuli_Chr07	NC_021166.1	30930489	CC	TT	TT	INTERGENIC		
SNP_34224B_30930524	Ca_Kabuli_Chr07	NC_021166.1	30930524	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_34225B_30930561	Ca_Kabuli_Chr07	NC_021166.1	30930561	TT	AA	AA	INTERGENIC		
SNP_34226B_30930689	Ca_Kabuli_Chr07	NC_021166.1	30930689	GG	CC	CC	INTERGENIC		
SNP_34227B_30930711	Ca_Kabuli_Chr07	NC_021166.1	30930711	TT	GG	GG	INTERGENIC		
SNP_34228B_30930834	Ca_Kabuli_Chr07	NC_021166.1	30930834	CC	TT	TT	INTERGENIC		
SNP_34229B_30930847	Ca_Kabuli_Chr07	NC_021166.1	30930847	GG	AA	AA	INTERGENIC		
SNP_34230B_30930848	Ca_Kabuli_Chr07	NC_021166.1	30930848	CC	TT	TT	INTERGENIC		
SNP_34231B_30930878	Ca_Kabuli_Chr07	NC_021166.1	30930878	CC	GG	GG	INTERGENIC		
SNP_34232B_30930899	Ca_Kabuli_Chr07	NC_021166.1	30930899	GG	AA	AA	INTERGENIC		
SNP_34233B_30933505	Ca_Kabuli_Chr07	NC_021166.1	30933505	AA	GG	GG	INTERGENIC		
SNP_34234B_30966130	Ca_Kabuli_Chr07	NC_021166.1	30966130	AA	GG	GG	INTERGENIC		
SNP_34237B_30999506	Ca_Kabuli_Chr07	NC_021166.1	30999506	AA	GG	GG	INTERGENIC		
SNP_34239B_30999587	Ca_Kabuli_Chr07	NC_021166.1	30999587	CC	TT	TT	INTERGENIC		
SNP_34240B_31047268	Ca_Kabuli_Chr07	NC_021166.1	31047268	CC	TT	TT	INTERGENIC		
SNP_34241B_31047312	Ca_Kabuli_Chr07	NC_021166.1	31047312	CC	AA	AA	INTERGENIC		
SNP_34242B_31047314	Ca_Kabuli_Chr07	NC_021166.1	31047314	AA	TT	TT	INTERGENIC		
SNP_34243B_31073467	Ca_Kabuli_Chr07	NC_021166.1	31073467	AA	CC	CC	INTERGENIC		
SNP_34244B_31073482	Ca_Kabuli_Chr07	NC_021166.1	31073482	TT	CC	CC	INTERGENIC		
SNP_34245B_31074176	Ca_Kabuli_Chr07	NC_021166.1	31074176	AA	GG	GG	INTERGENIC		
SNP_34246B_31074195	Ca_Kabuli_Chr07	NC_021166.1	31074195	CC	TT	TT	INTERGENIC		
SNP_34247B_31074202	Ca_Kabuli_Chr07	NC_021166.1	31074202	AA	GG	GG	INTERGENIC		
SNP_34248B_31074242	Ca_Kabuli_Chr07	NC_021166.1	31074242	TT	CC	CC	INTERGENIC		
SNP_34249B_31074371	Ca_Kabuli_Chr07	NC_021166.1	31074371	TT	CC	CC	INTERGENIC		
SNP_34250B_31074426	Ca_Kabuli_Chr07	NC_021166.1	31074426	AA	GG	GG	INTERGENIC		
SNP_34251B_31074441	Ca_Kabuli_Chr07	NC_021166.1	31074441	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_34252B_31074463	Ca_Kabuli_Chr07	NC_021166.1	31074463	TT	GG	GG	INTERGENIC		
SNP_34253B_31074495	Ca_Kabuli_Chr07	NC_021166.1	31074495	TT	CC	CC	INTERGENIC		
SNP_34254B_31074771	Ca_Kabuli_Chr07	NC_021166.1	31074771	TT	CC	CC	INTERGENIC		
SNP_34255B_31074877	Ca_Kabuli_Chr07	NC_021166.1	31074877	CC	TT	TT	INTERGENIC		
SNP_34256B_31074889	Ca_Kabuli_Chr07	NC_021166.1	31074889	TT	CC	CC	INTERGENIC		
SNP_34257B_31074896	Ca_Kabuli_Chr07	NC_021166.1	31074896	AA	GG	GG	INTERGENIC		
SNP_34258B_31075140	Ca_Kabuli_Chr07	NC_021166.1	31075140	CC	TT	TT	INTERGENIC		
SNP_34259B_31094043	Ca_Kabuli_Chr07	NC_021166.1	31094043	TT	GG	GG	INTERGENIC		
SNP_34260B_31111624	Ca_Kabuli_Chr07	NC_021166.1	31111624	AA	CC	CC	INTERGENIC		
SNP_34261B_31111705	Ca_Kabuli_Chr07	NC_021166.1	31111705	GG	AA	AA	INTERGENIC		
SNP_34262B_31111839	Ca_Kabuli_Chr07	NC_021166.1	31111839	AA	GG	GG	INTERGENIC		
SNP_34263B_31111875	Ca_Kabuli_Chr07	NC_021166.1	31111875	AA	TT	TT	INTERGENIC		
SNP_34264B_31111876	Ca_Kabuli_Chr07	NC_021166.1	31111876	AA	TT	TT	INTERGENIC		
SNP_34265B_31111898	Ca_Kabuli_Chr07	NC_021166.1	31111898	CC	TT	TT	INTERGENIC		
SNP_34266B_31111913	Ca_Kabuli_Chr07	NC_021166.1	31111913	GG	TT	TT	INTERGENIC		
SNP_34267B_31111937	Ca_Kabuli_Chr07	NC_021166.1	31111937	CC	TT	TT	INTERGENIC		
SNP_34268B_31112256	Ca_Kabuli_Chr07	NC_021166.1	31112256	AA	TT	TT	INTERGENIC		
SNP_34269B_31112388	Ca_Kabuli_Chr07	NC_021166.1	31112388	CC	AA	AA	INTERGENIC		
SNP_34270B_31112426	Ca_Kabuli_Chr07	NC_021166.1	31112426	AA	CC	CC	INTERGENIC		
SNP_34272B_31112497	Ca_Kabuli_Chr07	NC_021166.1	31112497	GG	TT	TT	INTERGENIC		
SNP_34273B_31112514	Ca_Kabuli_Chr07	NC_021166.1	31112514	GG	AA	AA	INTERGENIC		
SNP_34274B_31134451	Ca_Kabuli_Chr07	NC_021166.1	31134451	AA	GG	GG	URR	101514735	1-aminocyclopropane-1-carboxylate oxidase 3
SNP_34275B_31185445	Ca_Kabuli_Chr07	NC_021166.1	31185445	CC	TT	TT	URR	101515720	histidine-containing phosphotransfer protein 4-like
SNP_34276B_31186038	Ca_Kabuli_Chr07	NC_021166.1	31186038	GG	TT	TT	URR	101515720	histidine-containing phosphotransfer protein 4-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_34277B_31186050	Ca_Kabuli_Chr07	NC_021166.1	31186050	AA	CC	CC	URR	101515720	histidine-containing phosphotransfer protein 4-like
SNP_34278B_31186578	Ca_Kabuli_Chr07	NC_021166.1	31186578	TT	GG	GG	URR	101515720	histidine-containing phosphotransfer protein 4-like
SNP_34279B_31196196	Ca_Kabuli_Chr07	NC_021166.1	31196196	GG	AA	AA	URR	101488479	protein PAF1 homolog
SNP_34280B_31196226	Ca_Kabuli_Chr07	NC_021166.1	31196226	CC	TT	TT	URR	101488479	protein PAF1 homolog
SNP_34281B_31196249	Ca_Kabuli_Chr07	NC_021166.1	31196249	TT	AA	AA	URR	101488479	protein PAF1 homolog
SNP_34282B_31197497	Ca_Kabuli_Chr07	NC_021166.1	31197497	CC	AA	AA	DRR	101488822	uncharacterized LOC101488822
SNP_34283B_31197506	Ca_Kabuli_Chr07	NC_021166.1	31197506	CC	AA	AA	DRR	101488822	uncharacterized LOC101488822
SNP_34284B_31199053	Ca_Kabuli_Chr07	NC_021166.1	31199053	TT	AA	AA	INTERGENIC		
SNP_34285B_31201190	Ca_Kabuli_Chr07	NC_021166.1	31201190	CC	AA	AA	URR	101488822	uncharacterized LOC101488822
SNP_34286B_31201561	Ca_Kabuli_Chr07	NC_021166.1	31201561	AA	GG	GG	URR	101488822	uncharacterized LOC101488822
SNP_34287B_31201566	Ca_Kabuli_Chr07	NC_021166.1	31201566	GG	AA	AA	URR	101488822	uncharacterized LOC101488822
SNP_34289B_31201811	Ca_Kabuli_Chr07	NC_021166.1	31201811	GG	AA	AA	URR	101488822	uncharacterized LOC101488822
SNP_34290B_31206610	Ca_Kabuli_Chr07	NC_021166.1	31206610	CC	TT	TT	URR	101489148	lysM domain receptor-like kinase 3
SNP_34291B_31206626	Ca_Kabuli_Chr07	NC_021166.1	31206626	TT	CC	CC	URR	101489148	lysM domain receptor-like kinase 3
SNP_34292B_31206638	Ca_Kabuli_Chr07	NC_021166.1	31206638	AA	GG	GG	URR	101489148	lysM domain receptor-like kinase 3
SNP_34293B_31207576	Ca_Kabuli_Chr07	NC_021166.1	31207576	AA	CC	CC	URR	101489148	lysM domain receptor-like kinase 3
SNP_34294B_31210921	Ca_Kabuli_Chr07	NC_021166.1	31210921	GG	AA	AA	DRR	101489478	auxin-responsive protein IAA26-like
SNP_34296B_31217131	Ca_Kabuli_Chr07	NC_021166.1	31217131	AA	GG	GG	INTERGENIC		
SNP_34299B_31217577	Ca_Kabuli_Chr07	NC_021166.1	31217577	GG	TT	TT	INTERGENIC		
SNP_34300B_31221747	Ca_Kabuli_Chr07	NC_021166.1	31221747	CC	TT	TT	URR	101489792	hexokinase-1-like
SNP_34301B_31224932	Ca_Kabuli_Chr07	NC_021166.1	31224932	TT	GG	GG	INTRON	101490116	nuclear poly(A) polymerase 4-like
SNP_34302B_31224962	Ca_Kabuli_Chr07	NC_021166.1	31224962	AA	GG	GG	INTRON	101490116	nuclear poly(A) polymerase 4-like
SNP_34303B_31230295	Ca_Kabuli_Chr07	NC_021166.1	31230295	GG	TT	TT	INTERGENIC		
SNP_34305B_31235553	Ca_Kabuli_Chr07	NC_021166.1	31235553	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_34306B_31237839	Ca_Kabuli_Chr07	NC_021166.1	31237839	GG	TT	TT	INTERGENIC		
SNP_34307B_31240077	Ca_Kabuli_Chr07	NC_021166.1	31240077	TT	CC	CC	INTERGENIC		
SNP_34308B_31248750	Ca_Kabuli_Chr07	NC_021166.1	31248750	TT	AA	AA	INTERGENIC		
SNP_34310B_31474333	Ca_Kabuli_Chr07	NC_021166.1	31474333	GG	AA	AA	URR	101498675	uncharacterized LOC101498675
SNP_34311B_31582240	Ca_Kabuli_Chr07	NC_021166.1	31582240	TT	AA	AA	INTERGENIC		
SNP_34312B_31654447	Ca_Kabuli_Chr07	NC_021166.1	31654447	AA	GG	GG	INTERGENIC		
SNP_34313B_31685386	Ca_Kabuli_Chr07	NC_021166.1	31685386	AA	TT	TT	URR	101503901	PRA1 family protein F3
SNP_34314B_31745600	Ca_Kabuli_Chr07	NC_021166.1	31745600	GG	AA	AA	INTERGENIC		
SNP_34315B_31745713	Ca_Kabuli_Chr07	NC_021166.1	31745713	AA	GG	GG	INTERGENIC		
SNP_34317B_31957785	Ca_Kabuli_Chr07	NC_021166.1	31957785	AA	GG	GG	DRR	101514201	protein IQ-DOMAIN 1-like
SNP_34319B_32102178	Ca_Kabuli_Chr07	NC_021166.1	32102178	AA	GG	GG	INTERGENIC		
SNP_34320B_32102470	Ca_Kabuli_Chr07	NC_021166.1	32102470	TT	CC	CC	INTERGENIC		
SNP_34321B_32102496	Ca_Kabuli_Chr07	NC_021166.1	32102496	GG	TT	TT	INTERGENIC		
SNP_34322B_32137901	Ca_Kabuli_Chr07	NC_021166.1	32137901	GG	TT	TT	INTRON	101490007	Unknown function
SNP_34323B_32137915	Ca_Kabuli_Chr07	NC_021166.1	32137915	CC	TT	TT	NON_SYNONYMOUS_CODING	101490007	Unknown function
SNP_34324B_32137923	Ca_Kabuli_Chr07	NC_021166.1	32137923	AA	GG	GG	SYNONYMOUS_CODING	101490007	Unknown function
SNP_34325B_32137935	Ca_Kabuli_Chr07	NC_021166.1	32137935	GG	TT	TT	SYNONYMOUS_CODING	101490007	Unknown function
SNP_34326B_32355222	Ca_Kabuli_Chr07	NC_021166.1	32355222	CC	AA	AA	INTERGENIC		
SNP_34327B_32355227	Ca_Kabuli_Chr07	NC_021166.1	32355227	AA	CC	CC	INTERGENIC		
SNP_34328B_32357400	Ca_Kabuli_Chr07	NC_021166.1	32357400	CC	TT	TT	INTERGENIC		
SNP_34329B_32357402	Ca_Kabuli_Chr07	NC_021166.1	32357402	GG	CC	CC	INTERGENIC		
SNP_34330B_32357672	Ca_Kabuli_Chr07	NC_021166.1	32357672	TT	GG	GG	INTERGENIC		
SNP_34331B_32357684	Ca_Kabuli_Chr07	NC_021166.1	32357684	CC	AA	AA	INTERGENIC		
SNP_34332B_32357857	Ca_Kabuli_Chr07	NC_021166.1	32357857	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_34333B_32358072	Ca_Kabuli_Chr07	NC_021166.1	32358072	TT	CC	CC	INTERGENIC		
SNP_34335B_32358488	Ca_Kabuli_Chr07	NC_021166.1	32358488	TT	CC	CC	INTERGENIC		
SNP_34336B_32359491	Ca_Kabuli_Chr07	NC_021166.1	32359491	TT	CC	CC	INTERGENIC		
SNP_34337B_32359497	Ca_Kabuli_Chr07	NC_021166.1	32359497	GG	AA	AA	INTERGENIC		
SNP_34338B_32359512	Ca_Kabuli_Chr07	NC_021166.1	32359512	CC	TT	TT	INTERGENIC		
SNP_34339B_32359521	Ca_Kabuli_Chr07	NC_021166.1	32359521	CC	TT	TT	INTERGENIC		
SNP_34341B_32515131	Ca_Kabuli_Chr07	NC_021166.1	32515131	CC	GG	GG	INTERGENIC		
SNP_34342B_32568362	Ca_Kabuli_Chr07	NC_021166.1	32568362	AA	GG	GG	INTERGENIC		
SNP_34343B_32578844	Ca_Kabuli_Chr07	NC_021166.1	32578844	CC	GG	GG	INTERGENIC		
SNP_34344B_32579214	Ca_Kabuli_Chr07	NC_021166.1	32579214	AA	GG	GG	INTERGENIC		
SNP_34345B_32596357	Ca_Kabuli_Chr07	NC_021166.1	32596357	TT	AA	AA	INTERGENIC		
SNP_34347B_32601682	Ca_Kabuli_Chr07	NC_021166.1	32601682	GG	AA	AA	INTRON	101502504	calumenin-B-like
SNP_34348B_32601717	Ca_Kabuli_Chr07	NC_021166.1	32601717	AA	GG	GG	INTRON	101502504	calumenin-B-like
SNP_34350B_32613889	Ca_Kabuli_Chr07	NC_021166.1	32613889	TT	AA	AA	DRR	101493588	Unknown function
SNP_34351B_32613892	Ca_Kabuli_Chr07	NC_021166.1	32613892	GG	AA	AA	DRR	101493588	Unknown function
SNP_34352B_32614128	Ca_Kabuli_Chr07	NC_021166.1	32614128	TT	GG	GG	DRR	101493588	Unknown function
SNP_34353B_32614132	Ca_Kabuli_Chr07	NC_021166.1	32614132	AA	GG	GG	DRR	101493588	Unknown function
SNP_34354B_32614135	Ca_Kabuli_Chr07	NC_021166.1	32614135	CC	TT	TT	DRR	101493588	Unknown function
SNP_34355B_32614153	Ca_Kabuli_Chr07	NC_021166.1	32614153	TT	AA	AA	DRR	101493588	Unknown function
SNP_34356B_32614174	Ca_Kabuli_Chr07	NC_021166.1	32614174	CC	AA	AA	DRR	101493588	Unknown function
SNP_34357B_32614263	Ca_Kabuli_Chr07	NC_021166.1	32614263	GG	TT	TT	DRR	101493588	Unknown function
SNP_34358B_32632415	Ca_Kabuli_Chr07	NC_021166.1	32632415	GG	AA	AA	URR	101493905	mucin-2-like
SNP_34359B_32632959	Ca_Kabuli_Chr07	NC_021166.1	32632959	TT	GG	GG	URR	101493905	mucin-2-like
SNP_34360B_32633865	Ca_Kabuli_Chr07	NC_021166.1	32633865	GG	CC	CC	URR	101493905	mucin-2-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_34361B_32635134	Ca_Kabuli_Chr07	NC_021166.1	32635134	CC	TT	TT	INTERGENIC		
SNP_34362B_32635356	Ca_Kabuli_Chr07	NC_021166.1	32635356	GG	TT	TT	INTERGENIC		
SNP_34363B_32635668	Ca_Kabuli_Chr07	NC_021166.1	32635668	AA	TT	TT	INTERGENIC		
SNP_34364B_32635829	Ca_Kabuli_Chr07	NC_021166.1	32635829	AA	CC	CC	INTERGENIC		
SNP_34365B_32635848	Ca_Kabuli_Chr07	NC_021166.1	32635848	GG	TT	TT	INTERGENIC		
SNP_34366B_32636223	Ca_Kabuli_Chr07	NC_021166.1	32636223	TT	AA	AA	INTERGENIC		
SNP_34367B_32636988	Ca_Kabuli_Chr07	NC_021166.1	32636988	CC	AA	AA	INTERGENIC		
SNP_34368B_32638645	Ca_Kabuli_Chr07	NC_021166.1	32638645	TT	AA	AA	INTERGENIC		
SNP_34370B_32649733	Ca_Kabuli_Chr07	NC_021166.1	32649733	GG	AA	AA	INTERGENIC		
SNP_34372B_32654139	Ca_Kabuli_Chr07	NC_021166.1	32654139	AA	CC	CC	INTERGENIC		
SNP_34373B_32654357	Ca_Kabuli_Chr07	NC_021166.1	32654357	AA	TT	TT	INTERGENIC		
SNP_34374B_32654825	Ca_Kabuli_Chr07	NC_021166.1	32654825	GG	AA	AA	INTRON	101501961	calumenin-like
SNP_34377B_32671458	Ca_Kabuli_Chr07	NC_021166.1	32671458	TT	CC	CC	INTRON	101501961	calumenin-like
SNP_34378B_32677036	Ca_Kabuli_Chr07	NC_021166.1	32677036	AA	CC	CC	INTERGENIC		
SNP_34379B_32692609	Ca_Kabuli_Chr07	NC_021166.1	32692609	AA	GG	GG	INTERGENIC		
SNP_34380B_32694996	Ca_Kabuli_Chr07	NC_021166.1	32694996	AA	GG	GG	INTERGENIC		
SNP_34381B_32836007	Ca_Kabuli_Chr07	NC_021166.1	32836007	TT	GG	GG	URR	101495503	protein FAR1-RELATED SEQUENCE 5-like
SNP_34382B_32896776	Ca_Kabuli_Chr07	NC_021166.1	32896776	GG	AA	AA	INTERGENIC		
SNP_34383B_32974415	Ca_Kabuli_Chr07	NC_021166.1	32974415	AA	GG	GG	INTERGENIC		
SNP_34384B_33017461	Ca_Kabuli_Chr07	NC_021166.1	33017461	GG	AA	AA	INTERGENIC		
SNP_34385B_33049345	Ca_Kabuli_Chr07	NC_021166.1	33049345	AA	CC	CC	INTERGENIC		
SNP_34386B_33050502	Ca_Kabuli_Chr07	NC_021166.1	33050502	AA	TT	TT	INTERGENIC		
SNP_34387B_33050707	Ca_Kabuli_Chr07	NC_021166.1	33050707	AA	GG	GG	INTERGENIC		
SNP_34388B_33050731	Ca_Kabuli_Chr07	NC_021166.1	33050731	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_34389B_33056614	Ca_Kabuli_Chr07	NC_021166.1	33056614	TT	CC	CC	INTERGENIC		
SNP_34390B_33059402	Ca_Kabuli_Chr07	NC_021166.1	33059402	TT	CC	CC	INTERGENIC		
SNP_34391B_33059410	Ca_Kabuli_Chr07	NC_021166.1	33059410	AA	GG	GG	INTERGENIC		
SNP_34392B_33059563	Ca_Kabuli_Chr07	NC_021166.1	33059563	CC	AA	AA	INTERGENIC		
SNP_34393B_33059574	Ca_Kabuli_Chr07	NC_021166.1	33059574	CC	AA	AA	INTERGENIC		
SNP_34394B_33059619	Ca_Kabuli_Chr07	NC_021166.1	33059619	CC	AA	AA	INTERGENIC		
SNP_34395B_33059829	Ca_Kabuli_Chr07	NC_021166.1	33059829	GG	AA	AA	INTERGENIC		
SNP_34396B_33061651	Ca_Kabuli_Chr07	NC_021166.1	33061651	AA	TT	TT	URR	101512363	uncharacterized LOC101512363
SNP_34397B_33064533	Ca_Kabuli_Chr07	NC_021166.1	33064533	GG	AA	AA	INTERGENIC		
SNP_34398B_33064536	Ca_Kabuli_Chr07	NC_021166.1	33064536	TT	AA	AA	INTERGENIC		
SNP_34399B_33066108	Ca_Kabuli_Chr07	NC_021166.1	33066108	CC	TT	TT	INTERGENIC		
SNP_34400B_33066193	Ca_Kabuli_Chr07	NC_021166.1	33066193	TT	AA	AA	INTERGENIC		
SNP_34401B_33066961	Ca_Kabuli_Chr07	NC_021166.1	33066961	CC	TT	TT	INTERGENIC		
SNP_34402B_33067879	Ca_Kabuli_Chr07	NC_021166.1	33067879	AA	CC	CC	INTERGENIC		
SNP_34403B_33068101	Ca_Kabuli_Chr07	NC_021166.1	33068101	CC	TT	TT	INTERGENIC		
SNP_34404B_33072640	Ca_Kabuli_Chr07	NC_021166.1	33072640	GG	AA	AA	INTERGENIC		
SNP_34405B_33073670	Ca_Kabuli_Chr07	NC_021166.1	33073670	AA	GG	GG	INTERGENIC		
SNP_34406B_33075442	Ca_Kabuli_Chr07	NC_021166.1	33075442	GG	AA	AA	INTERGENIC		
SNP_34407B_33107463	Ca_Kabuli_Chr07	NC_021166.1	33107463	TT	CC	CC	INTERGENIC		
SNP_34408B_33107498	Ca_Kabuli_Chr07	NC_021166.1	33107498	CC	TT	TT	INTERGENIC		
SNP_34409B_33112123	Ca_Kabuli_Chr07	NC_021166.1	33112123	AA	GG	GG	INTRON	101496482	microtubule-associated protein 70-2-like
SNP_34410B_33114950	Ca_Kabuli_Chr07	NC_021166.1	33114950	GG	TT	TT	INTRON	101496482	microtubule-associated protein 70-2-like
SNP_34411B_33119885	Ca_Kabuli_Chr07	NC_021166.1	33119885	GG	AA	AA	DRR	101496818	subtilisin-like protease SBT1.7
SNP_34412B_33136079	Ca_Kabuli_Chr07	NC_021166.1	33136079	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_34413B_33137952	Ca_Kabuli_Chr07	NC_021166.1	33137952	TT	CC	CC	DRR	101497673	cation/calcium exchanger 4
SNP_34414B_33138190	Ca_Kabuli_Chr07	NC_021166.1	33138190	AA	GG	GG	DRR	101497673	cation/calcium exchanger 4
SNP_34415B_33138239	Ca_Kabuli_Chr07	NC_021166.1	33138239	CC	TT	TT	DRR	101497673	cation/calcium exchanger 4
SNP_34416B_33146225	Ca_Kabuli_Chr07	NC_021166.1	33146225	TT	CC	CC	INTERGENIC		
SNP_34417B_33146281	Ca_Kabuli_Chr07	NC_021166.1	33146281	CC	TT	TT	INTERGENIC		
SNP_34418B_33146284	Ca_Kabuli_Chr07	NC_021166.1	33146284	AA	GG	GG	INTERGENIC		
SNP_34419B_33146317	Ca_Kabuli_Chr07	NC_021166.1	33146317	AA	TT	TT	INTERGENIC		
SNP_34420B_33146574	Ca_Kabuli_Chr07	NC_021166.1	33146574	TT	AA	AA	INTERGENIC		
SNP_34421B_33146583	Ca_Kabuli_Chr07	NC_021166.1	33146583	CC	AA	AA	INTERGENIC		
SNP_34422B_33146592	Ca_Kabuli_Chr07	NC_021166.1	33146592	AA	GG	GG	INTERGENIC		
SNP_34423B_33147215	Ca_Kabuli_Chr07	NC_021166.1	33147215	AA	GG	GG	INTERGENIC		
SNP_34424B_33147436	Ca_Kabuli_Chr07	NC_021166.1	33147436	TT	CC	CC	INTERGENIC		
SNP_34425B_33150081	Ca_Kabuli_Chr07	NC_021166.1	33150081	TT	CC	CC	INTERGENIC		
SNP_34426B_33156270	Ca_Kabuli_Chr07	NC_021166.1	33156270	AA	TT	TT	INTERGENIC		
SNP_34427B_33156277	Ca_Kabuli_Chr07	NC_021166.1	33156277	AA	GG	GG	INTERGENIC		
SNP_34428B_33160620	Ca_Kabuli_Chr07	NC_021166.1	33160620	CC	GG	GG	NON_SYNONYMOUS_CODING	101498004	uncharacterized LOC101498004
SNP_34429B_33160906	Ca_Kabuli_Chr07	NC_021166.1	33160906	GG	AA	AA	INTRON	101498004	uncharacterized LOC101498004
SNP_34430B_33175041	Ca_Kabuli_Chr07	NC_021166.1	33175041	AA	CC	CC	INTERGENIC		
SNP_34432B_33175133	Ca_Kabuli_Chr07	NC_021166.1	33175133	TT	CC	CC	INTERGENIC		
SNP_34433B_33188196	Ca_Kabuli_Chr07	NC_021166.1	33188196	GG	AA	AA	URR	101498678	uncharacterized LOC101498678
SNP_34434B_33188243	Ca_Kabuli_Chr07	NC_021166.1	33188243	CC	TT	TT	URR	101498678	uncharacterized LOC101498678
SNP_34435B_33188263	Ca_Kabuli_Chr07	NC_021166.1	33188263	GG	TT	TT	URR	101498678	uncharacterized LOC101498678
SNP_34436B_33188993	Ca_Kabuli_Chr07	NC_021166.1	33188993	GG	AA	AA	URR	101498678	uncharacterized LOC101498678
SNP_34437B_33189010	Ca_Kabuli_Chr07	NC_021166.1	33189010	GG	AA	AA	URR	101498678	uncharacterized LOC101498678

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_34438B_33189083	Ca_Kabuli_Chr07	NC_021166.1	33189083	AA	GG	GG	URR	101498678	uncharacterized LOC101498678
SNP_34439B_33189114	Ca_Kabuli_Chr07	NC_021166.1	33189114	AA	TT	TT	URR	101498678	uncharacterized LOC101498678
SNP_34441B_33189541	Ca_Kabuli_Chr07	NC_021166.1	33189541	AA	GG	GG	URR	101498678	uncharacterized LOC101498678
SNP_34442B_33190860	Ca_Kabuli_Chr07	NC_021166.1	33190860	AA	TT	TT	INTERGENIC		
SNP_34443B_33190861	Ca_Kabuli_Chr07	NC_021166.1	33190861	TT	AA	AA	INTERGENIC		
SNP_34444B_33190910	Ca_Kabuli_Chr07	NC_021166.1	33190910	AA	TT	TT	INTERGENIC		
SNP_34445B_33190942	Ca_Kabuli_Chr07	NC_021166.1	33190942	CC	TT	TT	INTERGENIC		
SNP_34446B_33191709	Ca_Kabuli_Chr07	NC_021166.1	33191709	GG	AA	AA	INTERGENIC		
SNP_34447B_33191743	Ca_Kabuli_Chr07	NC_021166.1	33191743	GG	TT	TT	INTERGENIC		
SNP_34448B_33191769	Ca_Kabuli_Chr07	NC_021166.1	33191769	GG	CC	CC	INTERGENIC		
SNP_34449B_33191793	Ca_Kabuli_Chr07	NC_021166.1	33191793	CC	TT	TT	INTERGENIC		
SNP_34451B_33194583	Ca_Kabuli_Chr07	NC_021166.1	33194583	TT	CC	CC	INTERGENIC		
SNP_34453B_33209350	Ca_Kabuli_Chr07	NC_021166.1	33209350	TT	CC	CC	INTERGENIC		
SNP_34454B_33210752	Ca_Kabuli_Chr07	NC_021166.1	33210752	GG	AA	AA	INTERGENIC		
SNP_34455B_33211315	Ca_Kabuli_Chr07	NC_021166.1	33211315	TT	CC	CC	INTERGENIC		
SNP_34456B_33213124	Ca_Kabuli_Chr07	NC_021166.1	33213124	AA	GG	GG	INTERGENIC		
SNP_34457B_33213161	Ca_Kabuli_Chr07	NC_021166.1	33213161	TT	CC	CC	INTERGENIC		
SNP_34458B_33213702	Ca_Kabuli_Chr07	NC_021166.1	33213702	TT	CC	CC	INTERGENIC		
SNP_34459B_33213704	Ca_Kabuli_Chr07	NC_021166.1	33213704	GG	AA	AA	INTERGENIC		
SNP_34462B_33221909	Ca_Kabuli_Chr07	NC_021166.1	33221909	AA	GG	GG	INTRON	101499440	uncharacterized LOC101499440
SNP_34463B_33229424	Ca_Kabuli_Chr07	NC_021166.1	33229424	AA	TT	TT	INTERGENIC		
SNP_34464B_33229431	Ca_Kabuli_Chr07	NC_021166.1	33229431	AA	TT	TT	INTERGENIC		
SNP_34465B_33229486	Ca_Kabuli_Chr07	NC_021166.1	33229486	TT	CC	CC	INTERGENIC		
SNP_34466B_33230049	Ca_Kabuli_Chr07	NC_021166.1	33230049	GG	AA	AA	URR	101499746	probable nucleoside diphosphate kinase 5

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_34467B_33230582	Ca_Kabuli_Chr07	NC_021166.1	33230582	TT	AA	AA	URR	101499746	probable nucleoside diphosphate kinase 5
SNP_34468B_33230602	Ca_Kabuli_Chr07	NC_021166.1	33230602	AA	TT	TT	URR	101499746	probable nucleoside diphosphate kinase 5
SNP_34469B_33230603	Ca_Kabuli_Chr07	NC_021166.1	33230603	TT	AA	AA	URR	101499746	probable nucleoside diphosphate kinase 5
SNP_34470B_33230605	Ca_Kabuli_Chr07	NC_021166.1	33230605	AA	TT	TT	URR	101499746	probable nucleoside diphosphate kinase 5
SNP_34471B_33234370	Ca_Kabuli_Chr07	NC_021166.1	33234370	TT	GG	GG	INTERGENIC		
SNP_34472B_33234549	Ca_Kabuli_Chr07	NC_021166.1	33234549	GG	AA	AA	INTERGENIC		
SNP_34473B_33234616	Ca_Kabuli_Chr07	NC_021166.1	33234616	AA	GG	GG	INTERGENIC		
SNP_34474B_33237009	Ca_Kabuli_Chr07	NC_021166.1	33237009	TT	CC	CC	INTERGENIC		
SNP_34475B_33237254	Ca_Kabuli_Chr07	NC_021166.1	33237254	TT	CC	CC	INTERGENIC		
SNP_34476B_33237260	Ca_Kabuli_Chr07	NC_021166.1	33237260	CC	AA	AA	INTERGENIC		
SNP_34477B_33237267	Ca_Kabuli_Chr07	NC_021166.1	33237267	GG	AA	AA	INTERGENIC		
SNP_34478B_33237289	Ca_Kabuli_Chr07	NC_021166.1	33237289	GG	AA	AA	INTERGENIC		
SNP_34479B_33237300	Ca_Kabuli_Chr07	NC_021166.1	33237300	CC	TT	TT	INTERGENIC		
SNP_34480B_33237334	Ca_Kabuli_Chr07	NC_021166.1	33237334	GG	CC	CC	INTERGENIC		
SNP_34482B_33240582	Ca_Kabuli_Chr07	NC_021166.1	33240582	TT	CC	CC	DRR	101501332	uncharacterized LOC101501332
SNP_34483B_33240944	Ca_Kabuli_Chr07	NC_021166.1	33240944	GG	CC	CC	DRR	101501332	uncharacterized LOC101501332
SNP_34484B_33240980	Ca_Kabuli_Chr07	NC_021166.1	33240980	CC	TT	TT	DRR	101501332	uncharacterized LOC101501332
SNP_34485B_33241367	Ca_Kabuli_Chr07	NC_021166.1	33241367	TT	CC	CC	DRR	101501332	uncharacterized LOC101501332
SNP_34487B_33244191	Ca_Kabuli_Chr07	NC_021166.1	33244191	AA	GG	GG	URR	101501332	uncharacterized LOC101501332
SNP_34488B_33245942	Ca_Kabuli_Chr07	NC_021166.1	33245942	GG	TT	TT	DRR	101501650	sm-like protein LSM1B
SNP_34490B_33248616	Ca_Kabuli_Chr07	NC_021166.1	33248616	TT	GG	GG	INTERGENIC		
SNP_34491B_33248638	Ca_Kabuli_Chr07	NC_021166.1	33248638	AA	GG	GG	INTERGENIC		
SNP_34492B_33253814	Ca_Kabuli_Chr07	NC_021166.1	33253814	CC	TT	TT	DRR	101502191	transmembrane protein 87A
SNP_34493B_33256360	Ca_Kabuli_Chr07	NC_021166.1	33256360	AA	GG	GG	SYNONYMOUS_CODING	101502191	transmembrane protein 87A

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_34494B_33256392	Ca_Kabuli_Chr07	NC_021166.1	33256392	CC	TT	TT	INTRON	101502191	transmembrane protein 87A
SNP_34495B_33256393	Ca_Kabuli_Chr07	NC_021166.1	33256393	GG	AA	AA	INTRON	101502191	transmembrane protein 87A
SNP_34497B_33267836	Ca_Kabuli_Chr07	NC_021166.1	33267836	TT	CC	CC	INTERGENIC		
SNP_34498B_33268745	Ca_Kabuli_Chr07	NC_021166.1	33268745	AA	GG	GG	INTERGENIC		
SNP_34499B_33268785	Ca_Kabuli_Chr07	NC_021166.1	33268785	GG	AA	AA	INTERGENIC		
SNP_34500B_33268803	Ca_Kabuli_Chr07	NC_021166.1	33268803	TT	CC	CC	INTERGENIC		
SNP_34501B_33283711	Ca_Kabuli_Chr07	NC_021166.1	33283711	GG	TT	TT	INTRON	101503135	F-box protein SKP2B-like
SNP_34502B_33287011	Ca_Kabuli_Chr07	NC_021166.1	33287011	TT	CC	CC	INTRON	101503135	F-box protein SKP2B-like
SNP_34503B_33287773	Ca_Kabuli_Chr07	NC_021166.1	33287773	TT	AA	AA	INTRON	101503135	F-box protein SKP2B-like
SNP_34504B_33287790	Ca_Kabuli_Chr07	NC_021166.1	33287790	AA	GG	GG	INTRON	101503135	F-box protein SKP2B-like
SNP_34505B_33289156	Ca_Kabuli_Chr07	NC_021166.1	33289156	AA	CC	CC	URR	101503135	F-box protein SKP2B-like
SNP_34506B_33293407	Ca_Kabuli_Chr07	NC_021166.1	33293407	CC	TT	TT	INTERGENIC		
SNP_34507B_33296153	Ca_Kabuli_Chr07	NC_021166.1	33296153	CC	TT	TT	INTERGENIC		
SNP_34508B_33299836	Ca_Kabuli_Chr07	NC_021166.1	33299836	AA	GG	GG	SYNONYMOUS_CODING	101503456	protein TIFY 11B
SNP_34509B_33299848	Ca_Kabuli_Chr07	NC_021166.1	33299848	CC	TT	TT	SYNONYMOUS_CODING	101503456	protein TIFY 11B
SNP_34510B_33302273	Ca_Kabuli_Chr07	NC_021166.1	33302273	TT	AA	AA	URR	101503456	protein TIFY 11B
SNP_34511B_33307320	Ca_Kabuli_Chr07	NC_021166.1	33307320	CC	TT	TT	INTERGENIC		
SNP_34512B_33307589	Ca_Kabuli_Chr07	NC_021166.1	33307589	TT	CC	CC	INTERGENIC		
SNP_34513B_33307603	Ca_Kabuli_Chr07	NC_021166.1	33307603	AA	TT	TT	INTERGENIC		
SNP_34514B_33308029	Ca_Kabuli_Chr07	NC_021166.1	33308029	GG	TT	TT	INTERGENIC		
SNP_34515B_33308044	Ca_Kabuli_Chr07	NC_021166.1	33308044	CC	TT	TT	INTERGENIC		
SNP_34516B_33320448	Ca_Kabuli_Chr07	NC_021166.1	33320448	CC	TT	TT	INTERGENIC		
SNP_34517B_33320453	Ca_Kabuli_Chr07	NC_021166.1	33320453	AA	GG	GG	INTERGENIC		
SNP_34518B_33325911	Ca_Kabuli_Chr07	NC_021166.1	33325911	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_34519B_33325913	Ca_Kabuli_Chr07	NC_021166.1	33325913	AA	GG	GG	INTERGENIC		
SNP_34520B_33326797	Ca_Kabuli_Chr07	NC_021166.1	33326797	GG	AA	AA	INTERGENIC		
SNP_34521B_33326820	Ca_Kabuli_Chr07	NC_021166.1	33326820	CC	TT	TT	INTERGENIC		
SNP_34522B_33326970	Ca_Kabuli_Chr07	NC_021166.1	33326970	AA	GG	GG	INTERGENIC		
SNP_34524B_33327313	Ca_Kabuli_Chr07	NC_021166.1	33327313	GG	AA	AA	INTERGENIC		
SNP_34525B_33327581	Ca_Kabuli_Chr07	NC_021166.1	33327581	AA	CC	CC	INTERGENIC		
SNP_34527B_33335353	Ca_Kabuli_Chr07	NC_021166.1	33335353	TT	GG	GG	INTERGENIC		
SNP_34529B_33338359	Ca_Kabuli_Chr07	NC_021166.1	33338359	TT	GG	GG	DRR	101504116	protein FLUORESCENT IN BLUE LIGHT, chloroplastic
SNP_34530B_33338385	Ca_Kabuli_Chr07	NC_021166.1	33338385	TT	AA	AA	DRR	101504116	protein FLUORESCENT IN BLUE LIGHT, chloroplastic
SNP_34531B_33338390	Ca_Kabuli_Chr07	NC_021166.1	33338390	CC	GG	GG	DRR	101504116	protein FLUORESCENT IN BLUE LIGHT, chloroplastic
SNP_34532B_33338405	Ca_Kabuli_Chr07	NC_021166.1	33338405	AA	GG	GG	DRR	101504116	protein FLUORESCENT IN BLUE LIGHT, chloroplastic
SNP_34533B_33338982	Ca_Kabuli_Chr07	NC_021166.1	33338982	CC	GG	GG	INTERGENIC		
SNP_34534B_33345862	Ca_Kabuli_Chr07	NC_021166.1	33345862	AA	GG	GG	URR	101504655	uncharacterized LOC101504655
SNP_34535B_33359534	Ca_Kabuli_Chr07	NC_021166.1	33359534	AA	CC	CC	INTRON	101504972	nuclear pore complex protein NUP107
SNP_34536B_33360959	Ca_Kabuli_Chr07	NC_021166.1	33360959	CC	TT	TT	INTRON	101504972	nuclear pore complex protein NUP107
SNP_34537B_33361024	Ca_Kabuli_Chr07	NC_021166.1	33361024	AA	GG	GG	INTRON	101504972	nuclear pore complex protein NUP107
SNP_34538B_33361262	Ca_Kabuli_Chr07	NC_021166.1	33361262	CC	TT	TT	INTRON	101504972	nuclear pore complex protein NUP107
SNP_34540B_33367487	Ca_Kabuli_Chr07	NC_021166.1	33367487	CC	TT	TT	URR	101504972	nuclear pore complex protein NUP107
SNP_34541B_33367536	Ca_Kabuli_Chr07	NC_021166.1	33367536	AA	CC	CC	URR	101504972	nuclear pore complex protein NUP107
SNP_34542B_33367755	Ca_Kabuli_Chr07	NC_021166.1	33367755	GG	AA	AA	URR	101504972	nuclear pore complex protein NUP107
SNP_34543B_33367778	Ca_Kabuli_Chr07	NC_021166.1	33367778	GG	TT	TT	URR	101504972	nuclear pore complex protein NUP107
SNP_34544B_33370550	Ca_Kabuli_Chr07	NC_021166.1	33370550	TT	CC	CC	INTERGENIC		
SNP_34545B_33370797	Ca_Kabuli_Chr07	NC_021166.1	33370797	AA	GG	GG	INTERGENIC		
SNP_34546B_33371243	Ca_Kabuli_Chr07	NC_021166.1	33371243	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_34547B_33372969	Ca_Kabuli_Chr07	NC_021166.1	33372969	CC	TT	TT	DRR	101505495	uncharacterized LOC101505495
SNP_34548B_33378152	Ca_Kabuli_Chr07	NC_021166.1	33378152	GG	TT	TT	INTRON	101505495	uncharacterized LOC101505495
SNP_34549B_33381739	Ca_Kabuli_Chr07	NC_021166.1	33381739	AA	GG	GG	URR	101505495	uncharacterized LOC101505495
SNP_34550B_33381742	Ca_Kabuli_Chr07	NC_021166.1	33381742	TT	AA	AA	URR	101505495	uncharacterized LOC101505495
SNP_34551B_33381749	Ca_Kabuli_Chr07	NC_021166.1	33381749	TT	GG	GG	URR	101505495	uncharacterized LOC101505495
SNP_34552B_33382992	Ca_Kabuli_Chr07	NC_021166.1	33382992	TT	GG	GG	URR	101505495	uncharacterized LOC101505495
SNP_34553B_33383864	Ca_Kabuli_Chr07	NC_021166.1	33383864	AA	GG	GG	INTERGENIC		
SNP_34554B_33385285	Ca_Kabuli_Chr07	NC_021166.1	33385285	TT	CC	CC	INTERGENIC		
SNP_34556B_33411355	Ca_Kabuli_Chr07	NC_021166.1	33411355	GG	TT	TT	INTRON	101505832	zinc finger CCCH domain-containing protein 62-like
SNP_34557B_33413568	Ca_Kabuli_Chr07	NC_021166.1	33413568	AA	TT	TT	INTERGENIC		
SNP_34558B_33413599	Ca_Kabuli_Chr07	NC_021166.1	33413599	CC	AA	AA	INTERGENIC		
SNP_34559B_33418145	Ca_Kabuli_Chr07	NC_021166.1	33418145	GG	AA	AA	INTRON	101506688	25.3 kDa vesicle transport protein
SNP_34560B_33418652	Ca_Kabuli_Chr07	NC_021166.1	33418652	GG	TT	TT	INTRON	101506688	25.3 kDa vesicle transport protein
SNP_34561B_33421364	Ca_Kabuli_Chr07	NC_021166.1	33421364	AA	GG	GG	INTERGENIC		
SNP_34563B_33426028	Ca_Kabuli_Chr07	NC_021166.1	33426028	AA	TT	TT	INTRON	101506146	25.3 kDa vesicle transport protein-like
SNP_34564B_33428591	Ca_Kabuli_Chr07	NC_021166.1	33428591	CC	GG	GG	INTRON	101506688	25.3 kDa vesicle transport protein
SNP_34565B_33478405	Ca_Kabuli_Chr07	NC_021166.1	33478405	GG	AA	AA	INTERGENIC		
SNP_34566B_33479849	Ca_Kabuli_Chr07	NC_021166.1	33479849	TT	CC	CC	DRR	101508093	trihelix transcription factor ASIL2
SNP_34568B_33489799	Ca_Kabuli_Chr07	NC_021166.1	33489799	CC	TT	TT	INTERGENIC		
SNP_34570B_33521440	Ca_Kabuli_Chr07	NC_021166.1	33521440	GG	TT	TT	INTERGENIC		
SNP_34571B_33521951	Ca_Kabuli_Chr07	NC_021166.1	33521951	AA	GG	GG	INTERGENIC		
SNP_34573B_33526963	Ca_Kabuli_Chr07	NC_021166.1	33526963	AA	GG	GG	INTRON	101509790	probable complex I intermediate-associated protein 30
SNP_34574B_33533907	Ca_Kabuli_Chr07	NC_021166.1	33533907	AA	TT	TT	INTERGENIC		
SNP_34575B_33534400	Ca_Kabuli_Chr07	NC_021166.1	33534400	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_34576B_33534402	Ca_Kabuli_Chr07	NC_021166.1	33534402	TT	CC	CC	INTERGENIC		
SNP_34578B_33535588	Ca_Kabuli_Chr07	NC_021166.1	33535588	TT	AA	AA	INTERGENIC		
SNP_34579B_33535593	Ca_Kabuli_Chr07	NC_021166.1	33535593	CC	TT	TT	INTERGENIC		
SNP_34580B_33535923	Ca_Kabuli_Chr07	NC_021166.1	33535923	AA	TT	TT	INTERGENIC		
SNP_34585B_33558484	Ca_Kabuli_Chr07	NC_021166.1	33558484	TT	CC	CC	INTERGENIC		
SNP_34586B_33559939	Ca_Kabuli_Chr07	NC_021166.1	33559939	GG	TT	TT	INTERGENIC		
SNP_34588B_33564945	Ca_Kabuli_Chr07	NC_021166.1	33564945	CC	AA	AA	DRR	101511085	17.4 kDa class III heat shock protein
SNP_34589B_33574938	Ca_Kabuli_Chr07	NC_021166.1	33574938	TT	AA	AA	DRR	101511927	phosphoinositide phosphatase SAC2-like
SNP_34590B_33574992	Ca_Kabuli_Chr07	NC_021166.1	33574992	CC	TT	TT	DRR	101511927	phosphoinositide phosphatase SAC2-like
SNP_34591B_33575039	Ca_Kabuli_Chr07	NC_021166.1	33575039	CC	GG	GG	DRR	101511927	phosphoinositide phosphatase SAC2-like
SNP_34592B_33575297	Ca_Kabuli_Chr07	NC_021166.1	33575297	GG	CC	CC	DRR	101511927	phosphoinositide phosphatase SAC2-like
SNP_34593B_33575760	Ca_Kabuli_Chr07	NC_021166.1	33575760	TT	CC	CC	DRR	101511927	phosphoinositide phosphatase SAC2-like
SNP_34594B_33575761	Ca_Kabuli_Chr07	NC_021166.1	33575761	GG	AA	AA	DRR	101511927	phosphoinositide phosphatase SAC2-like
SNP_34596B_33576391	Ca_Kabuli_Chr07	NC_021166.1	33576391	GG	CC	CC	INTRON	101511927	phosphoinositide phosphatase SAC2-like
SNP_34597B_33586799	Ca_Kabuli_Chr07	NC_021166.1	33586799	AA	GG	GG	INTRON	101511927	phosphoinositide phosphatase SAC2-like
SNP_34598B_33586828	Ca_Kabuli_Chr07	NC_021166.1	33586828	AA	TT	TT	INTRON	101511927	phosphoinositide phosphatase SAC2-like
SNP_34599B_33596785	Ca_Kabuli_Chr07	NC_021166.1	33596785	AA	GG	GG	INTERGENIC		
SNP_34600B_33597282	Ca_Kabuli_Chr07	NC_021166.1	33597282	TT	AA	AA	INTERGENIC		
SNP_34602B_33597778	Ca_Kabuli_Chr07	NC_021166.1	33597778	AA	TT	TT	INTERGENIC		
SNP_34603B_33605611	Ca_Kabuli_Chr07	NC_021166.1	33605611	AA	CC	CC	INTERGENIC		
SNP_34604B_33605646	Ca_Kabuli_Chr07	NC_021166.1	33605646	AA	TT	TT	INTERGENIC		
SNP_34605B_33612990	Ca_Kabuli_Chr07	NC_021166.1	33612990	AA	GG	GG	INTERGENIC		
SNP_34606B_33613328	Ca_Kabuli_Chr07	NC_021166.1	33613328	AA	GG	GG	INTERGENIC		
SNP_34607B_33626527	Ca_Kabuli_Chr07	NC_021166.1	33626527	CC	TT	TT	INTRON	101512592	GDSL esterase/lipase 5-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_34608B_33631155	Ca_Kabuli_Chr07	NC_021166.1	33631155	TT	CC	CC	INTRON	101512592	GDSL esterase/lipase 5-like
SNP_34609B_33631160	Ca_Kabuli_Chr07	NC_021166.1	33631160	CC	TT	TT	INTRON	101512592	GDSL esterase/lipase 5-like
SNP_34610B_33633794	Ca_Kabuli_Chr07	NC_021166.1	33633794	GG	CC	CC	INTRON	101512592	GDSL esterase/lipase 5-like
SNP_34611B_33633859	Ca_Kabuli_Chr07	NC_021166.1	33633859	GG	AA	AA	INTRON	101512592	GDSL esterase/lipase 5-like
SNP_34613B_33640019	Ca_Kabuli_Chr07	NC_021166.1	33640019	AA	TT	TT	DRR	101512899	ethylene-responsive transcription factor RAP2-12
SNP_34616B_33640340	Ca_Kabuli_Chr07	NC_021166.1	33640340	AA	TT	TT	DRR	101512899	ethylene-responsive transcription factor RAP2-12
SNP_34619B_33642965	Ca_Kabuli_Chr07	NC_021166.1	33642965	GG	AA	AA	INTRON	101512899	ethylene-responsive transcription factor RAP2-12
SNP_34621B_33647278	Ca_Kabuli_Chr07	NC_021166.1	33647278	CC	TT	TT	INTERGENIC		
SNP_34623B_33649702	Ca_Kabuli_Chr07	NC_021166.1	33649702	AA	CC	CC	INTERGENIC		
SNP_34624B_33649745	Ca_Kabuli_Chr07	NC_021166.1	33649745	TT	AA	AA	INTERGENIC		
SNP_34625B_33649746	Ca_Kabuli_Chr07	NC_021166.1	33649746	TT	AA	AA	INTERGENIC		
SNP_34626B_33649757	Ca_Kabuli_Chr07	NC_021166.1	33649757	CC	TT	TT	INTERGENIC		
SNP_34627B_33650229	Ca_Kabuli_Chr07	NC_021166.1	33650229	CC	AA	AA	INTERGENIC		
SNP_34628B_33651498	Ca_Kabuli_Chr07	NC_021166.1	33651498	GG	AA	AA	INTERGENIC		
SNP_34629B_33651593	Ca_Kabuli_Chr07	NC_021166.1	33651593	AA	GG	GG	INTERGENIC		
SNP_34630B_33652074	Ca_Kabuli_Chr07	NC_021166.1	33652074	GG	TT	TT	INTERGENIC		
SNP_34631B_33655777	Ca_Kabuli_Chr07	NC_021166.1	33655777	GG	AA	AA	INTERGENIC		
SNP_34632B_33659780	Ca_Kabuli_Chr07	NC_021166.1	33659780	AA	TT	TT	INTERGENIC		
SNP_34633B_33660096	Ca_Kabuli_Chr07	NC_021166.1	33660096	CC	AA	AA	INTERGENIC		
SNP_34635B_33666819	Ca_Kabuli_Chr07	NC_021166.1	33666819	TT	CC	CC	INTERGENIC		
SNP_34636B_33670485	Ca_Kabuli_Chr07	NC_021166.1	33670485	CC	TT	TT	INTERGENIC		
SNP_34637B_33670781	Ca_Kabuli_Chr07	NC_021166.1	33670781	AA	GG	GG	INTERGENIC		
SNP_34638B_33670800	Ca_Kabuli_Chr07	NC_021166.1	33670800	TT	CC	CC	INTERGENIC		
SNP_34639B_33670801	Ca_Kabuli_Chr07	NC_021166.1	33670801	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_34640B_33670846	Ca_Kabuli_Chr07	NC_021166.1	33670846	AA	CC	CC	INTERGENIC		
SNP_34641B_33670936	Ca_Kabuli_Chr07	NC_021166.1	33670936	GG	CC	CC	INTERGENIC		
SNP_34643B_33683312	Ca_Kabuli_Chr07	NC_021166.1	33683312	AA	GG	GG	INTERGENIC		
SNP_34644B_33683323	Ca_Kabuli_Chr07	NC_021166.1	33683323	AA	CC	CC	INTERGENIC		
SNP_34645B_33683334	Ca_Kabuli_Chr07	NC_021166.1	33683334	TT	GG	GG	INTERGENIC		
SNP_34647B_33698458	Ca_Kabuli_Chr07	NC_021166.1	33698458	AA	CC	CC	INTERGENIC		
SNP_34648B_33698464	Ca_Kabuli_Chr07	NC_021166.1	33698464	AA	GG	GG	INTERGENIC		
SNP_34649B_33700834	Ca_Kabuli_Chr07	NC_021166.1	33700834	CC	TT	TT	INTERGENIC		
SNP_34650B_33700859	Ca_Kabuli_Chr07	NC_021166.1	33700859	AA	TT	TT	INTERGENIC		
SNP_34651B_33700955	Ca_Kabuli_Chr07	NC_021166.1	33700955	CC	TT	TT	INTERGENIC		
SNP_34652B_33701181	Ca_Kabuli_Chr07	NC_021166.1	33701181	AA	GG	GG	INTERGENIC		
SNP_34653B_33701461	Ca_Kabuli_Chr07	NC_021166.1	33701461	TT	CC	CC	INTERGENIC		
SNP_34654B_33706256	Ca_Kabuli_Chr07	NC_021166.1	33706256	CC	TT	TT	DRR	101513746	uncharacterized LOC101513746
SNP_34655B_33713739	Ca_Kabuli_Chr07	NC_021166.1	33713739	TT	GG	GG	INTERGENIC		
SNP_34656B_33714922	Ca_Kabuli_Chr07	NC_021166.1	33714922	CC	TT	TT	DRR	101492813	agamous-like MADS-box protein AGL62
SNP_34657B_33714936	Ca_Kabuli_Chr07	NC_021166.1	33714936	TT	AA	AA	DRR	101492813	agamous-like MADS-box protein AGL62
SNP_34658B_33715003	Ca_Kabuli_Chr07	NC_021166.1	33715003	AA	TT	TT	DRR	101492813	agamous-like MADS-box protein AGL62
SNP_34659B_33719337	Ca_Kabuli_Chr07	NC_021166.1	33719337	CC	TT	TT	INTERGENIC		
SNP_34660B_33723193	Ca_Kabuli_Chr07	NC_021166.1	33723193	GG	AA	AA	INTERGENIC		
SNP_34661B_33723280	Ca_Kabuli_Chr07	NC_021166.1	33723280	AA	CC	CC	INTERGENIC		
SNP_34662B_33724592	Ca_Kabuli_Chr07	NC_021166.1	33724592	AA	TT	TT	DRR	101493142	agamous-like MADS-box protein AGL62
SNP_34663B_33730179	Ca_Kabuli_Chr07	NC_021166.1	33730179	TT	CC	CC	INTERGENIC		
SNP_34664B_33730217	Ca_Kabuli_Chr07	NC_021166.1	33730217	GG	TT	TT	INTERGENIC		
SNP_34665B_33730221	Ca_Kabuli_Chr07	NC_021166.1	33730221	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_34666B_33730526	Ca_Kabuli_Chr07	NC_021166.1	33730526	CC	TT	TT	INTERGENIC		
SNP_34668B_33745693	Ca_Kabuli_Chr07	NC_021166.1	33745693	GG	AA	AA	URR	101514085	AT-rich interactive domain-containing protein 4-like
SNP_34670B_33750773	Ca_Kabuli_Chr07	NC_021166.1	33750773	AA	TT	TT	DRR	101514410	translation initiation factor eIF-2B subunit alpha-like
SNP_34671B_33753809	Ca_Kabuli_Chr07	NC_021166.1	33753809	CC	GG	GG	INTERGENIC		
SNP_34672B_33758978	Ca_Kabuli_Chr07	NC_021166.1	33758978	CC	TT	TT	DRR	101514737	uncharacterized LOC101514737
SNP_34673B_33759270	Ca_Kabuli_Chr07	NC_021166.1	33759270	CC	GG	GG	DRR	101514737	uncharacterized LOC101514737
SNP_34674B_33761388	Ca_Kabuli_Chr07	NC_021166.1	33761388	CC	TT	TT	INTERGENIC		
SNP_34675B_33766264	Ca_Kabuli_Chr07	NC_021166.1	33766264	GG	TT	TT	INTRON	101515063	protein LURP-one-related 11-like
SNP_34676B_33766270	Ca_Kabuli_Chr07	NC_021166.1	33766270	TT	CC	CC	INTRON	101515063	protein LURP-one-related 11-like
SNP_34677B_33766705	Ca_Kabuli_Chr07	NC_021166.1	33766705	GG	AA	AA	INTRON	101515063	protein LURP-one-related 11-like
SNP_34679B_33768390	Ca_Kabuli_Chr07	NC_021166.1	33768390	GG	AA	AA	URR	101515063	protein LURP-one-related 11-like
SNP_34680B_33768679	Ca_Kabuli_Chr07	NC_021166.1	33768679	CC	AA	AA	URR	101515063	protein LURP-one-related 11-like
SNP_34681B_33768833	Ca_Kabuli_Chr07	NC_021166.1	33768833	CC	TT	TT	URR	101515063	protein LURP-one-related 11-like
SNP_34682B_33768934	Ca_Kabuli_Chr07	NC_021166.1	33768934	AA	CC	CC	URR	101515063	protein LURP-one-related 11-like
SNP_34683B_33769238	Ca_Kabuli_Chr07	NC_021166.1	33769238	AA	GG	GG	INTERGENIC		
SNP_34685B_33773046	Ca_Kabuli_Chr07	NC_021166.1	33773046	TT	CC	CC	INTERGENIC		
SNP_34686B_33773056	Ca_Kabuli_Chr07	NC_021166.1	33773056	AA	GG	GG	INTERGENIC		
SNP_34687B_33779986	Ca_Kabuli_Chr07	NC_021166.1	33779986	AA	TT	TT	INTERGENIC		
SNP_34688B_33780004	Ca_Kabuli_Chr07	NC_021166.1	33780004	AA	CC	CC	INTERGENIC		
SNP_34689B_33781535	Ca_Kabuli_Chr07	NC_021166.1	33781535	AA	TT	TT	DRR	101515385	1-phosphatidylinositol-3-phosphate 5-kinase FAB1B
SNP_34690B_33781809	Ca_Kabuli_Chr07	NC_021166.1	33781809	AA	TT	TT	DRR	101515385	1-phosphatidylinositol-3-phosphate 5-kinase FAB1B
SNP_34691B_33781834	Ca_Kabuli_Chr07	NC_021166.1	33781834	TT	CC	CC	DRR	101515385	1-phosphatidylinositol-3-phosphate 5-kinase FAB1B
SNP_34694B_33803760	Ca_Kabuli_Chr07	NC_021166.1	33803760	TT	CC	CC	INTERGENIC		
SNP_34695B_33803784	Ca_Kabuli_Chr07	NC_021166.1	33803784	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_34696B_33805477	Ca_Kabuli_Chr07	NC_021166.1	33805477	AA	GG	GG	INTERGENIC		
SNP_34697B_33805483	Ca_Kabuli_Chr07	NC_021166.1	33805483	AA	TT	TT	INTERGENIC		
SNP_34698B_33805485	Ca_Kabuli_Chr07	NC_021166.1	33805485	GG	AA	AA	INTERGENIC		
SNP_34699B_33805502	Ca_Kabuli_Chr07	NC_021166.1	33805502	GG	AA	AA	INTERGENIC		
SNP_34700B_33805512	Ca_Kabuli_Chr07	NC_021166.1	33805512	TT	GG	GG	INTERGENIC		
SNP_34702B_33807792	Ca_Kabuli_Chr07	NC_021166.1	33807792	GG	AA	AA	DRR	101488697	putative uncharacterized protein DDB_G0279653
SNP_34703B_33808147	Ca_Kabuli_Chr07	NC_021166.1	33808147	AA	TT	TT	DRR	101488697	putative uncharacterized protein DDB_G0279653
SNP_34704B_33808988	Ca_Kabuli_Chr07	NC_021166.1	33808988	GG	AA	AA	INTRON	101488697	putative uncharacterized protein DDB_G0279653
SNP_34705B_33812503	Ca_Kabuli_Chr07	NC_021166.1	33812503	GG	AA	AA	INTERGENIC		
SNP_34706B_33815544	Ca_Kabuli_Chr07	NC_021166.1	33815544	AA	GG	GG	DRR	101489034	alanine aminotransferase 2-like
SNP_34707B_33815731	Ca_Kabuli_Chr07	NC_021166.1	33815731	GG	TT	TT	DRR	101489034	alanine aminotransferase 2-like
SNP_34709B_33819495	Ca_Kabuli_Chr07	NC_021166.1	33819495	AA	CC	CC	INTRON	101489034	alanine aminotransferase 2-like
SNP_34710B_33819750	Ca_Kabuli_Chr07	NC_021166.1	33819750	CC	TT	TT	INTRON	101489034	alanine aminotransferase 2-like
SNP_34712B_33821288	Ca_Kabuli_Chr07	NC_021166.1	33821288	TT	CC	CC	INTRON	101489034	alanine aminotransferase 2-like
SNP_34713B_33821678	Ca_Kabuli_Chr07	NC_021166.1	33821678	AA	GG	GG	INTRON	101489034	alanine aminotransferase 2-like
SNP_34714B_33821690	Ca_Kabuli_Chr07	NC_021166.1	33821690	CC	AA	AA	INTRON	101489034	alanine aminotransferase 2-like
SNP_34715B_33821693	Ca_Kabuli_Chr07	NC_021166.1	33821693	TT	AA	AA	INTRON	101489034	alanine aminotransferase 2-like
SNP_34716B_33834641	Ca_Kabuli_Chr07	NC_021166.1	33834641	AA	GG	GG	DRR	101489363	pectinesterase 3
SNP_34717B_33834697	Ca_Kabuli_Chr07	NC_021166.1	33834697	TT	AA	AA	DRR	101489363	pectinesterase 3
SNP_34718B_33839867	Ca_Kabuli_Chr07	NC_021166.1	33839867	TT	AA	AA	URR	101489363	pectinesterase 3
SNP_34719B_33839868	Ca_Kabuli_Chr07	NC_021166.1	33839868	GG	AA	AA	URR	101489363	pectinesterase 3
SNP_34720B_33839907	Ca_Kabuli_Chr07	NC_021166.1	33839907	TT	CC	CC	URR	101489363	pectinesterase 3
SNP_34721B_33839908	Ca_Kabuli_Chr07	NC_021166.1	33839908	CC	TT	TT	URR	101489363	pectinesterase 3
SNP_34722B_33840239	Ca_Kabuli_Chr07	NC_021166.1	33840239	GG	AA	AA	URR	101489363	pectinesterase 3

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_34724B_33851923	Ca_Kabuli_Chr07	NC_021166.1	33851923	AA	GG	GG	INTERGENIC		
SNP_34726B_33852615	Ca_Kabuli_Chr07	NC_021166.1	33852615	TT	CC	CC	INTERGENIC		
SNP_34727B_33855314	Ca_Kabuli_Chr07	NC_021166.1	33855314	TT	CC	CC	INTERGENIC		
SNP_34729B_33857421	Ca_Kabuli_Chr07	NC_021166.1	33857421	AA	CC	CC	INTERGENIC		
SNP_34730B_33857626	Ca_Kabuli_Chr07	NC_021166.1	33857626	AA	GG	GG	INTERGENIC		
SNP_34731B_33857643	Ca_Kabuli_Chr07	NC_021166.1	33857643	AA	GG	GG	INTERGENIC		
SNP_34732B_33859100	Ca_Kabuli_Chr07	NC_021166.1	33859100	GG	AA	AA	INTERGENIC		
SNP_34733B_33864913	Ca_Kabuli_Chr07	NC_021166.1	33864913	AA	GG	GG	INTRON	101490009	exocyst complex component SEC10
SNP_34734B_33864975	Ca_Kabuli_Chr07	NC_021166.1	33864975	AA	GG	GG	INTRON	101490009	exocyst complex component SEC10
SNP_34735B_33866897	Ca_Kabuli_Chr07	NC_021166.1	33866897	CC	GG	GG	INTRON	101490009	exocyst complex component SEC10
SNP_34736B_33866943	Ca_Kabuli_Chr07	NC_021166.1	33866943	TT	GG	GG	INTRON	101490009	exocyst complex component SEC10
SNP_34737B_33871165	Ca_Kabuli_Chr07	NC_021166.1	33871165	AA	GG	GG	SYNONYMOUS_CODING	101490009	exocyst complex component SEC10
SNP_34738B_33871696	Ca_Kabuli_Chr07	NC_021166.1	33871696	GG	AA	AA	URR	101490009	exocyst complex component SEC10
SNP_34739B_33874264	Ca_Kabuli_Chr07	NC_021166.1	33874264	TT	AA	AA	DRR	101490348	ubiquitin-conjugating enzyme E2 34-like
SNP_34740B_33876967	Ca_Kabuli_Chr07	NC_021166.1	33876967	AA	TT	TT	INTRON	101490348	ubiquitin-conjugating enzyme E2 34-like
SNP_34742B_33880874	Ca_Kabuli_Chr07	NC_021166.1	33880874	CC	AA	AA	URR	101490348	ubiquitin-conjugating enzyme E2 34-like
SNP_34743B_33880875	Ca_Kabuli_Chr07	NC_021166.1	33880875	GG	TT	TT	URR	101490348	ubiquitin-conjugating enzyme E2 34-like
SNP_34744B_33880878	Ca_Kabuli_Chr07	NC_021166.1	33880878	GG	AA	AA	URR	101490348	ubiquitin-conjugating enzyme E2 34-like
SNP_34745B_33886131	Ca_Kabuli_Chr07	NC_021166.1	33886131	CC	TT	TT	INTERGENIC		
SNP_34748B_33905411	Ca_Kabuli_Chr07	NC_021166.1	33905411	AA	CC	CC	INTRON	id175489	Unknown function
SNP_34749B_33905704	Ca_Kabuli_Chr07	NC_021166.1	33905704	TT	CC	CC	NON_SYNONYMOUS_CODING	id175489	Unknown function
SNP_34750B_33905713	Ca_Kabuli_Chr07	NC_021166.1	33905713	AA	GG	GG	NON_SYNONYMOUS_CODING	id175489	Unknown function
SNP_34751B_33905726	Ca_Kabuli_Chr07	NC_021166.1	33905726	AA	GG	GG	SYNONYMOUS_CODING	id175489	Unknown function
SNP_34752B_33937347	Ca_Kabuli_Chr07	NC_021166.1	33937347	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_34753B_33983201	Ca_Kabuli_Chr07	NC_021166.1	33983201	AA	GG	GG	INTRON	101491935	glutamate receptor 2.9-like
SNP_34754B_34002768	Ca_Kabuli_Chr07	NC_021166.1	34002768	TT	CC	CC	INTERGENIC		
SNP_34755B_34002775	Ca_Kabuli_Chr07	NC_021166.1	34002775	GG	AA	AA	INTERGENIC		
SNP_34756B_34035265	Ca_Kabuli_Chr07	NC_021166.1	34035265	TT	AA	AA	INTERGENIC		
SNP_34758B_34080690	Ca_Kabuli_Chr07	NC_021166.1	34080690	TT	CC	CC	INTERGENIC		
SNP_34759B_34080701	Ca_Kabuli_Chr07	NC_021166.1	34080701	CC	TT	TT	INTERGENIC		
SNP_34760B_34080882	Ca_Kabuli_Chr07	NC_021166.1	34080882	CC	TT	TT	INTERGENIC		
SNP_34761B_34080943	Ca_Kabuli_Chr07	NC_021166.1	34080943	TT	CC	CC	INTERGENIC		
SNP_34762B_34085027	Ca_Kabuli_Chr07	NC_021166.1	34085027	GG	TT	TT	INTERGENIC		
SNP_34763B_34085289	Ca_Kabuli_Chr07	NC_021166.1	34085289	CC	TT	TT	INTERGENIC		
SNP_34764B_34087575	Ca_Kabuli_Chr07	NC_021166.1	34087575	CC	GG	GG	INTERGENIC		
SNP_34765B_34087796	Ca_Kabuli_Chr07	NC_021166.1	34087796	TT	GG	GG	INTERGENIC		
SNP_34766B_34109092	Ca_Kabuli_Chr07	NC_021166.1	34109092	GG	AA	AA	INTERGENIC		
SNP_34767B_34109093	Ca_Kabuli_Chr07	NC_021166.1	34109093	AA	GG	GG	INTERGENIC		
SNP_34769B_34117481	Ca_Kabuli_Chr07	NC_021166.1	34117481	TT	GG	GG	DRR	101506147	uncharacterized LOC101506147
SNP_34772B_34148725	Ca_Kabuli_Chr07	NC_021166.1	34148725	TT	AA	AA	INTRON	101496156	DNA-directed RNA polymerase III subunit RPC2
SNP_34774B_34157331	Ca_Kabuli_Chr07	NC_021166.1	34157331	GG	AA	AA	INTRON	101496156	DNA-directed RNA polymerase III subunit RPC2
SNP_34775B_34158520	Ca_Kabuli_Chr07	NC_021166.1	34158520	AA	GG	GG	INTRON	101496156	DNA-directed RNA polymerase III subunit RPC2
SNP_34776B_34158521	Ca_Kabuli_Chr07	NC_021166.1	34158521	AA	CC	CC	INTRON	101496156	DNA-directed RNA polymerase III subunit RPC2
SNP_34777B_34158753	Ca_Kabuli_Chr07	NC_021166.1	34158753	TT	GG	GG	INTRON	101496156	DNA-directed RNA polymerase III subunit RPC2
SNP_34778B_34158811	Ca_Kabuli_Chr07	NC_021166.1	34158811	GG	AA	AA	INTRON	101496156	DNA-directed RNA polymerase III subunit RPC2
SNP_34779B_34158828	Ca_Kabuli_Chr07	NC_021166.1	34158828	TT	CC	CC	INTRON	101496156	DNA-directed RNA polymerase III subunit RPC2
SNP_34780B_34158884	Ca_Kabuli_Chr07	NC_021166.1	34158884	GG	AA	AA	INTRON	101496156	DNA-directed RNA polymerase III subunit RPC2
SNP_34781B_34158885	Ca_Kabuli_Chr07	NC_021166.1	34158885	AA	GG	GG	INTRON	101496156	DNA-directed RNA polymerase III subunit RPC2

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_34782B_34159159	Ca_Kabuli_Chr07	NC_021166.1	34159159	TT	CC	CC	INTRON	101496156	DNA-directed RNA polymerase III subunit RPC2
SNP_34783B_34159238	Ca_Kabuli_Chr07	NC_021166.1	34159238	AA	GG	GG	INTRON	101496156	DNA-directed RNA polymerase III subunit RPC2
SNP_34784B_34159252	Ca_Kabuli_Chr07	NC_021166.1	34159252	CC	AA	AA	INTRON	101496156	DNA-directed RNA polymerase III subunit RPC2
SNP_34785B_34160674	Ca_Kabuli_Chr07	NC_021166.1	34160674	AA	CC	CC	INTRON	101496156	DNA-directed RNA polymerase III subunit RPC2
SNP_34786B_34160941	Ca_Kabuli_Chr07	NC_021166.1	34160941	AA	GG	GG	INTRON	101496156	DNA-directed RNA polymerase III subunit RPC2
SNP_34787B_34161026	Ca_Kabuli_Chr07	NC_021166.1	34161026	TT	GG	GG	INTRON	101496156	DNA-directed RNA polymerase III subunit RPC2
SNP_34788B_34161034	Ca_Kabuli_Chr07	NC_021166.1	34161034	TT	GG	GG	INTRON	101496156	DNA-directed RNA polymerase III subunit RPC2
SNP_34789B_34161082	Ca_Kabuli_Chr07	NC_021166.1	34161082	TT	CC	CC	INTRON	101496156	DNA-directed RNA polymerase III subunit RPC2
SNP_34790B_34161120	Ca_Kabuli_Chr07	NC_021166.1	34161120	TT	CC	CC	INTRON	101496156	DNA-directed RNA polymerase III subunit RPC2
SNP_34791B_34161138	Ca_Kabuli_Chr07	NC_021166.1	34161138	TT	CC	CC	INTRON	101496156	DNA-directed RNA polymerase III subunit RPC2
SNP_34792B_34161242	Ca_Kabuli_Chr07	NC_021166.1	34161242	CC	GG	GG	INTRON	101496156	DNA-directed RNA polymerase III subunit RPC2
SNP_34793B_34161325	Ca_Kabuli_Chr07	NC_021166.1	34161325	GG	AA	AA	INTRON	101496156	DNA-directed RNA polymerase III subunit RPC2
SNP_34795B_34169224	Ca_Kabuli_Chr07	NC_021166.1	34169224	TT	CC	CC	URR	101496156	DNA-directed RNA polymerase III subunit RPC2
SNP_34796B_34169565	Ca_Kabuli_Chr07	NC_021166.1	34169565	GG	TT	TT	URR	101496156	DNA-directed RNA polymerase III subunit RPC2
SNP_34797B_34169722	Ca_Kabuli_Chr07	NC_021166.1	34169722	CC	AA	AA	INTERGENIC		
SNP_34798B_34171525	Ca_Kabuli_Chr07	NC_021166.1	34171525	CC	TT	TT	INTERGENIC		
SNP_34799B_34173214	Ca_Kabuli_Chr07	NC_021166.1	34173214	CC	TT	TT	INTERGENIC		
SNP_34800B_34173745	Ca_Kabuli_Chr07	NC_021166.1	34173745	GG	AA	AA	INTERGENIC		
SNP_34801B_34173929	Ca_Kabuli_Chr07	NC_021166.1	34173929	AA	CC	CC	INTERGENIC		
SNP_34802B_34175999	Ca_Kabuli_Chr07	NC_021166.1	34175999	GG	TT	TT	INTERGENIC		
SNP_34803B_34176056	Ca_Kabuli_Chr07	NC_021166.1	34176056	GG	AA	AA	INTERGENIC		
SNP_34804B_34176369	Ca_Kabuli_Chr07	NC_021166.1	34176369	TT	AA	AA	INTERGENIC		
SNP_34805B_34176385	Ca_Kabuli_Chr07	NC_021166.1	34176385	TT	CC	CC	INTERGENIC		
SNP_34806B_34176418	Ca_Kabuli_Chr07	NC_021166.1	34176418	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_34807B_34176858	Ca_Kabuli_Chr07	NC_021166.1	34176858	TT	GG	GG	INTERGENIC		
SNP_34808B_34176863	Ca_Kabuli_Chr07	NC_021166.1	34176863	CC	TT	TT	INTERGENIC		
SNP_34809B_34183358	Ca_Kabuli_Chr07	NC_021166.1	34183358	GG	AA	AA	URR	101496484	uncharacterized LOC101496484
SNP_34810B_34184639	Ca_Kabuli_Chr07	NC_021166.1	34184639	TT	CC	CC	URR	101496484	uncharacterized LOC101496484
SNP_34811B_34185022	Ca_Kabuli_Chr07	NC_021166.1	34185022	GG	AA	AA	INTERGENIC		
SNP_34812B_34185404	Ca_Kabuli_Chr07	NC_021166.1	34185404	CC	TT	TT	DRR	101496820	uncharacterized protein C23H3.12c
SNP_34813B_34186934	Ca_Kabuli_Chr07	NC_021166.1	34186934	GG	CC	CC	INTERGENIC		
SNP_34816B_34192494	Ca_Kabuli_Chr07	NC_021166.1	34192494	CC	TT	TT	INTERGENIC		
SNP_34819B_34196003	Ca_Kabuli_Chr07	NC_021166.1	34196003	AA	TT	TT	DRR	101497474	protein STRUBBELIG-RECEPTOR FAMILY 6
SNP_34820B_34196065	Ca_Kabuli_Chr07	NC_021166.1	34196065	TT	AA	AA	DRR	101497474	protein STRUBBELIG-RECEPTOR FAMILY 6
SNP_34822B_34196466	Ca_Kabuli_Chr07	NC_021166.1	34196466	TT	CC	CC	DRR	101497474	protein STRUBBELIG-RECEPTOR FAMILY 6
SNP_34824B_34203706	Ca_Kabuli_Chr07	NC_021166.1	34203706	AA	TT	TT	URR	101497474	protein STRUBBELIG-RECEPTOR FAMILY 6
SNP_34825B_34203727	Ca_Kabuli_Chr07	NC_021166.1	34203727	AA	TT	TT	URR	101497474	protein STRUBBELIG-RECEPTOR FAMILY 6
SNP_34827B_34205488	Ca_Kabuli_Chr07	NC_021166.1	34205488	GG	AA	AA	INTERGENIC		
SNP_34828B_34208028	Ca_Kabuli_Chr07	NC_021166.1	34208028	CC	TT	TT	NON_SYNONYMOUS_CODING	id175607	Unknown function
SNP_34832B_34226776	Ca_Kabuli_Chr07	NC_021166.1	34226776	CC	TT	TT	INTERGENIC		
SNP_34833B_34229925	Ca_Kabuli_Chr07	NC_021166.1	34229925	CC	AA	AA	INTERGENIC		
SNP_34834B_34233339	Ca_Kabuli_Chr07	NC_021166.1	34233339	TT	CC	CC	DRR	101500056	tyrosine-sulfated glycopeptide receptor 1
SNP_34835B_34235012	Ca_Kabuli_Chr07	NC_021166.1	34235012	TT	CC	CC	INTERGENIC		
SNP_34836B_34237121	Ca_Kabuli_Chr07	NC_021166.1	34237121	AA	GG	GG	NON_SYNONYMOUS_CODING	101500056	tyrosine-sulfated glycopeptide receptor 1
SNP_34839B_34240727	Ca_Kabuli_Chr07	NC_021166.1	34240727	AA	CC	CC	INTERGENIC		
SNP_34840B_34241024	Ca_Kabuli_Chr07	NC_021166.1	34241024	TT	CC	CC	INTERGENIC		
SNP_34841B_34241394	Ca_Kabuli_Chr07	NC_021166.1	34241394	AA	CC	CC	INTERGENIC		
SNP_34842B_34243177	Ca_Kabuli_Chr07	NC_021166.1	34243177	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_34843B_34243203	Ca_Kabuli_Chr07	NC_021166.1	34243203	GG	CC	CC	INTERGENIC		
SNP_34844B_34251544	Ca_Kabuli_Chr07	NC_021166.1	34251544	TT	CC	CC	DRR	101500391	transcription factor 25
SNP_34845B_34256822	Ca_Kabuli_Chr07	NC_021166.1	34256822	CC	TT	TT	URR	101500391	transcription factor 25
SNP_34846B_34257247	Ca_Kabuli_Chr07	NC_021166.1	34257247	AA	GG	GG	DRR	101500701	uncharacterized protein C594.04c
SNP_34847B_34259750	Ca_Kabuli_Chr07	NC_021166.1	34259750	AA	TT	TT	INTERGENIC		
SNP_34848B_34277014	Ca_Kabuli_Chr07	NC_021166.1	34277014	TT	GG	GG	INTRON	101502294	chlorophyll a-b binding protein 7, chloroplastic
SNP_34849B_34277961	Ca_Kabuli_Chr07	NC_021166.1	34277961	CC	TT	TT	URR	101502294	chlorophyll a-b binding protein 7, chloroplastic
SNP_34850B_34278030	Ca_Kabuli_Chr07	NC_021166.1	34278030	AA	GG	GG	URR	101502294	chlorophyll a-b binding protein 7, chloroplastic
SNP_34852B_34278198	Ca_Kabuli_Chr07	NC_021166.1	34278198	AA	GG	GG	URR	101502294	chlorophyll a-b binding protein 7, chloroplastic
SNP_34854B_34278390	Ca_Kabuli_Chr07	NC_021166.1	34278390	AA	GG	GG	DRR	101502814	ribosome production factor 1
SNP_34855B_34285790	Ca_Kabuli_Chr07	NC_021166.1	34285790	CC	TT	TT	INTERGENIC		
SNP_34856B_34285800	Ca_Kabuli_Chr07	NC_021166.1	34285800	CC	TT	TT	INTERGENIC		
SNP_34858B_34286344	Ca_Kabuli_Chr07	NC_021166.1	34286344	TT	GG	GG	INTERGENIC		
SNP_34859B_34287698	Ca_Kabuli_Chr07	NC_021166.1	34287698	GG	CC	CC	INTERGENIC		
SNP_34860B_34287699	Ca_Kabuli_Chr07	NC_021166.1	34287699	GG	AA	AA	INTERGENIC		
SNP_34861B_34287990	Ca_Kabuli_Chr07	NC_021166.1	34287990	AA	TT	TT	INTERGENIC		
SNP_34862B_34290106	Ca_Kabuli_Chr07	NC_021166.1	34290106	GG	AA	AA	INTRON	101503137	uncharacterized calcium-binding protein At1g02270-like
SNP_34864B_34290252	Ca_Kabuli_Chr07	NC_021166.1	34290252	GG	AA	AA	INTRON	101503137	uncharacterized calcium-binding protein At1g02270-like
SNP_34865B_34300258	Ca_Kabuli_Chr07	NC_021166.1	34300258	TT	AA	AA	NON_SYNONYMOUS_CODING	101503457	protein NTM1-like 9
SNP_34866B_34300515	Ca_Kabuli_Chr07	NC_021166.1	34300515	AA	TT	TT	NON_SYNONYMOUS_CODING	101503457	protein NTM1-like 9
SNP_34867B_34305711	Ca_Kabuli_Chr07	NC_021166.1	34305711	GG	CC	CC	INTERGENIC		
SNP_34868B_34307145	Ca_Kabuli_Chr07	NC_021166.1	34307145	GG	CC	CC	INTERGENIC		
SNP_34869B_34307741	Ca_Kabuli_Chr07	NC_021166.1	34307741	CC	TT	TT	INTERGENIC		
SNP_34870B_34309252	Ca_Kabuli_Chr07	NC_021166.1	34309252	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_34871B_34309437	Ca_Kabuli_Chr07	NC_021166.1	34309437	CC	TT	TT	INTERGENIC		
SNP_34872B_34309492	Ca_Kabuli_Chr07	NC_021166.1	34309492	TT	CC	CC	INTERGENIC		
SNP_34873B_34309559	Ca_Kabuli_Chr07	NC_021166.1	34309559	GG	TT	TT	INTERGENIC		
SNP_34875B_34311211	Ca_Kabuli_Chr07	NC_021166.1	34311211	TT	CC	CC	INTERGENIC		
SNP_34876B_34311216	Ca_Kabuli_Chr07	NC_021166.1	34311216	TT	CC	CC	INTERGENIC		
SNP_34877B_34311217	Ca_Kabuli_Chr07	NC_021166.1	34311217	AA	TT	TT	INTERGENIC		
SNP_34878B_34311234	Ca_Kabuli_Chr07	NC_021166.1	34311234	CC	TT	TT	INTERGENIC		
SNP_34879B_34311453	Ca_Kabuli_Chr07	NC_021166.1	34311453	TT	CC	CC	INTERGENIC		
SNP_34881B_34312092	Ca_Kabuli_Chr07	NC_021166.1	34312092	AA	GG	GG	INTERGENIC		
SNP_34885B_34313116	Ca_Kabuli_Chr07	NC_021166.1	34313116	TT	CC	CC	INTERGENIC		
SNP_34886B_34313344	Ca_Kabuli_Chr07	NC_021166.1	34313344	AA	GG	GG	INTERGENIC		
SNP_34888B_34316195	Ca_Kabuli_Chr07	NC_021166.1	34316195	TT	CC	CC	DRR	101503796	uncharacterized LOC101503796
SNP_34889B_34316400	Ca_Kabuli_Chr07	NC_021166.1	34316400	TT	CC	CC	SYNONYMOUS_CODING	101503796	uncharacterized LOC101503796
SNP_34892B_34317420	Ca_Kabuli_Chr07	NC_021166.1	34317420	GG	AA	AA	INTRON	101503796	uncharacterized LOC101503796
SNP_34894B_34317611	Ca_Kabuli_Chr07	NC_021166.1	34317611	CC	AA	AA	INTRON	101503796	uncharacterized LOC101503796
SNP_34895B_34318376	Ca_Kabuli_Chr07	NC_021166.1	34318376	AA	GG	GG	INTRON	101503796	uncharacterized LOC101503796
SNP_34897B_34320127	Ca_Kabuli_Chr07	NC_021166.1	34320127	CC	AA	AA	NON_SYNONYMOUS_CODING	101503796	uncharacterized LOC101503796
SNP_34900B_34324324	Ca_Kabuli_Chr07	NC_021166.1	34324324	AA	GG	GG	INTERGENIC		
SNP_34901B_34328745	Ca_Kabuli_Chr07	NC_021166.1	34328745	TT	CC	CC	INTERGENIC		
SNP_34902B_34328757	Ca_Kabuli_Chr07	NC_021166.1	34328757	AA	GG	GG	INTERGENIC		
SNP_34904B_34329426	Ca_Kabuli_Chr07	NC_021166.1	34329426	TT	CC	CC	INTERGENIC		
SNP_34905B_34329443	Ca_Kabuli_Chr07	NC_021166.1	34329443	TT	CC	CC	INTERGENIC		
SNP_34906B_34329610	Ca_Kabuli_Chr07	NC_021166.1	34329610	AA	CC	CC	INTERGENIC		
SNP_34907B_34329639	Ca_Kabuli_Chr07	NC_021166.1	34329639	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_34908B_34331168	Ca_Kabuli_Chr07	NC_021166.1	34331168	GG	AA	AA	INTERGENIC		
SNP_34910B_34335111	Ca_Kabuli_Chr07	NC_021166.1	34335111	CC	TT	TT	INTERGENIC		
SNP_34912B_34336053	Ca_Kabuli_Chr07	NC_021166.1	34336053	AA	GG	GG	INTERGENIC		
SNP_34913B_34336075	Ca_Kabuli_Chr07	NC_021166.1	34336075	AA	TT	TT	INTERGENIC		
SNP_34914B_34337335	Ca_Kabuli_Chr07	NC_021166.1	34337335	TT	CC	CC	INTERGENIC		
SNP_34915B_34337491	Ca_Kabuli_Chr07	NC_021166.1	34337491	GG	AA	AA	INTERGENIC		
SNP_34916B_34337524	Ca_Kabuli_Chr07	NC_021166.1	34337524	AA	GG	GG	INTERGENIC		
SNP_34917B_34337657	Ca_Kabuli_Chr07	NC_021166.1	34337657	GG	TT	TT	INTERGENIC		
SNP_34918B_34337693	Ca_Kabuli_Chr07	NC_021166.1	34337693	GG	AA	AA	INTERGENIC		
SNP_34919B_34337995	Ca_Kabuli_Chr07	NC_021166.1	34337995	TT	CC	CC	INTERGENIC		
SNP_34920B_34341740	Ca_Kabuli_Chr07	NC_021166.1	34341740	AA	GG	GG	INTERGENIC		
SNP_34921B_34342001	Ca_Kabuli_Chr07	NC_021166.1	34342001	CC	TT	TT	INTERGENIC		
SNP_34922B_34342017	Ca_Kabuli_Chr07	NC_021166.1	34342017	AA	GG	GG	INTERGENIC		
SNP_34923B_34342018	Ca_Kabuli_Chr07	NC_021166.1	34342018	GG	TT	TT	INTERGENIC		
SNP_34924B_34342021	Ca_Kabuli_Chr07	NC_021166.1	34342021	AA	GG	GG	INTERGENIC		
SNP_34925B_34342022	Ca_Kabuli_Chr07	NC_021166.1	34342022	TT	CC	CC	INTERGENIC		
SNP_34926B_34342205	Ca_Kabuli_Chr07	NC_021166.1	34342205	TT	GG	GG	INTERGENIC		
SNP_34928B_34347638	Ca_Kabuli_Chr07	NC_021166.1	34347638	AA	GG	GG	INTERGENIC		
SNP_34930B_34349016	Ca_Kabuli_Chr07	NC_021166.1	34349016	GG	AA	AA	DRR	101504117	soluble inorganic pyrophosphatase 1-like
SNP_34932B_34350408	Ca_Kabuli_Chr07	NC_021166.1	34350408	CC	AA	AA	INTRON	101504117	soluble inorganic pyrophosphatase 1-like
SNP_34933B_34351705	Ca_Kabuli_Chr07	NC_021166.1	34351705	AA	GG	GG	INTRON	101504117	soluble inorganic pyrophosphatase 1-like
SNP_34935B_34351743	Ca_Kabuli_Chr07	NC_021166.1	34351743	TT	CC	CC	START_GAINED	101504117	soluble inorganic pyrophosphatase 1-like
SNP_34936B_34369004	Ca_Kabuli_Chr07	NC_021166.1	34369004	TT	AA	AA	URR	101504431	probably inactive receptor-like protein kinase At2g46850
SNP_34937B_34369038	Ca_Kabuli_Chr07	NC_021166.1	34369038	TT	CC	CC	URR	101504431	probably inactive receptor-like protein kinase At2g46850

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_34938B_34369632	Ca_Kabuli_Chr07	NC_021166.1	34369632	GG	AA	AA	INTERGENIC		
SNP_34939B_34370020	Ca_Kabuli_Chr07	NC_021166.1	34370020	TT	CC	CC	INTERGENIC		
SNP_34940B_34370503	Ca_Kabuli_Chr07	NC_021166.1	34370503	TT	CC	CC	INTERGENIC		
SNP_34942B_34384346	Ca_Kabuli_Chr07	NC_021166.1	34384346	TT	CC	CC	INTERGENIC		
SNP_34943B_34384739	Ca_Kabuli_Chr07	NC_021166.1	34384739	AA	GG	GG	INTERGENIC		
SNP_34944B_34388249	Ca_Kabuli_Chr07	NC_021166.1	34388249	TT	CC	CC	INTERGENIC		
SNP_34945B_34392090	Ca_Kabuli_Chr07	NC_021166.1	34392090	TT	GG	GG	INTERGENIC		
SNP_34947B_34392378	Ca_Kabuli_Chr07	NC_021166.1	34392378	AA	CC	CC	INTERGENIC		
SNP_34948B_34394303	Ca_Kabuli_Chr07	NC_021166.1	34394303	GG	AA	AA	DRR	101505284	1-aminocyclopropane-1-carboxylate oxidase-like
SNP_34950B_34394692	Ca_Kabuli_Chr07	NC_021166.1	34394692	GG	AA	AA	DRR	101505284	1-aminocyclopropane-1-carboxylate oxidase-like
SNP_34952B_34396345	Ca_Kabuli_Chr07	NC_021166.1	34396345	GG	CC	CC	NON_SYNONYMOUS_CODING	101505284	1-aminocyclopropane-1-carboxylate oxidase-like
SNP_34953B_34407619	Ca_Kabuli_Chr07	NC_021166.1	34407619	CC	GG	GG	DRR	101505611	cyclic nucleotide-gated ion channel 1-like
SNP_34954B_34407836	Ca_Kabuli_Chr07	NC_021166.1	34407836	AA	GG	GG	DRR	101505611	cyclic nucleotide-gated ion channel 1-like
SNP_34955B_34408228	Ca_Kabuli_Chr07	NC_021166.1	34408228	TT	GG	GG	INTRON	101505611	cyclic nucleotide-gated ion channel 1-like
SNP_34956B_34408929	Ca_Kabuli_Chr07	NC_021166.1	34408929	AA	CC	CC	INTRON	101505611	cyclic nucleotide-gated ion channel 1-like
SNP_34957B_34412407	Ca_Kabuli_Chr07	NC_021166.1	34412407	GG	AA	AA	INTRON	101505611	cyclic nucleotide-gated ion channel 1-like
SNP_34958B_34414205	Ca_Kabuli_Chr07	NC_021166.1	34414205	CC	GG	GG	URR	101505611	cyclic nucleotide-gated ion channel 1-like
SNP_34959B_34446533	Ca_Kabuli_Chr07	NC_021166.1	34446533	TT	CC	CC	INTERGENIC		
SNP_34960B_34451446	Ca_Kabuli_Chr07	NC_021166.1	34451446	AA	CC	CC	INTERGENIC		
SNP_34961B_34531687	Ca_Kabuli_Chr07	NC_021166.1	34531687	GG	AA	AA	INTERGENIC		
SNP_34963B_34583536	Ca_Kabuli_Chr07	NC_021166.1	34583536	CC	TT	TT	INTERGENIC		
SNP_34964B_34586744	Ca_Kabuli_Chr07	NC_021166.1	34586744	GG	TT	TT	URR	101509355	auxin-induced protein X15-like
SNP_34965B_34660437	Ca_Kabuli_Chr07	NC_021166.1	34660437	GG	CC	CC	INTERGENIC		
SNP_34966B_34660487	Ca_Kabuli_Chr07	NC_021166.1	34660487	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_34967B_34661699	Ca_Kabuli_Chr07	NC_021166.1	34661699	GG	AA	AA	INTERGENIC		
SNP_34970B_34788738	Ca_Kabuli_Chr07	NC_021166.1	34788738	AA	GG	GG	INTERGENIC		
SNP_34971B_34788746	Ca_Kabuli_Chr07	NC_021166.1	34788746	AA	TT	TT	INTERGENIC		
SNP_34972B_34792760	Ca_Kabuli_Chr07	NC_021166.1	34792760	AA	CC	CC	INTERGENIC		
SNP_34973B_34792770	Ca_Kabuli_Chr07	NC_021166.1	34792770	TT	AA	AA	INTERGENIC		
SNP_34974B_34792795	Ca_Kabuli_Chr07	NC_021166.1	34792795	GG	AA	AA	INTERGENIC		
SNP_34975B_34792796	Ca_Kabuli_Chr07	NC_021166.1	34792796	TT	CC	CC	INTERGENIC		
SNP_34976B_34792969	Ca_Kabuli_Chr07	NC_021166.1	34792969	GG	TT	TT	INTERGENIC		
SNP_34977B_34793092	Ca_Kabuli_Chr07	NC_021166.1	34793092	TT	CC	CC	INTERGENIC		
SNP_34978B_34805046	Ca_Kabuli_Chr07	NC_021166.1	34805046	AA	GG	GG	URR	101499323	fasciclin-like arabinogalactan protein 21
SNP_34979B_34805089	Ca_Kabuli_Chr07	NC_021166.1	34805089	AA	GG	GG	URR	101499323	fasciclin-like arabinogalactan protein 21
SNP_34980B_34805104	Ca_Kabuli_Chr07	NC_021166.1	34805104	AA	GG	GG	URR	101499323	fasciclin-like arabinogalactan protein 21
SNP_34981B_34807692	Ca_Kabuli_Chr07	NC_021166.1	34807692	TT	CC	CC	INTERGENIC		
SNP_34982B_34808007	Ca_Kabuli_Chr07	NC_021166.1	34808007	AA	TT	TT	INTERGENIC		
SNP_34983B_34808008	Ca_Kabuli_Chr07	NC_021166.1	34808008	TT	AA	AA	INTERGENIC		
SNP_34984B_34855322	Ca_Kabuli_Chr07	NC_021166.1	34855322	GG	AA	AA	INTRON	101511723	U-box domain-containing protein 43-like
SNP_34985B_34890907	Ca_Kabuli_Chr07	NC_021166.1	34890907	TT	CC	CC	URR	101513855	protein yippee-like At4g27745
SNP_34987B_35006335	Ca_Kabuli_Chr07	NC_021166.1	35006335	AA	GG	GG	INTERGENIC		
SNP_34989B_35065949	Ca_Kabuli_Chr07	NC_021166.1	35065949	TT	GG	GG	URR	101490666	uncharacterized LOC101490666
SNP_34990B_35087334	Ca_Kabuli_Chr07	NC_021166.1	35087334	GG	CC	CC	INTRON	101492136	auxin response factor 18
SNP_34991B_35106787	Ca_Kabuli_Chr07	NC_021166.1	35106787	GG	AA	AA	INTERGENIC		
SNP_34993B_35109886	Ca_Kabuli_Chr07	NC_021166.1	35109886	TT	CC	CC	INTERGENIC		
SNP_34994B_35119942	Ca_Kabuli_Chr07	NC_021166.1	35119942	CC	AA	AA	INTERGENIC		
SNP_34995B_35122030	Ca_Kabuli_Chr07	NC_021166.1	35122030	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_34996B_35126829	Ca_Kabuli_Chr07	NC_021166.1	35126829	TT	CC	CC	INTERGENIC		
SNP_34997B_35126832	Ca_Kabuli_Chr07	NC_021166.1	35126832	GG	TT	TT	INTERGENIC		
SNP_34998B_35126833	Ca_Kabuli_Chr07	NC_021166.1	35126833	GG	AA	AA	INTERGENIC		
SNP_34999B_35131404	Ca_Kabuli_Chr07	NC_021166.1	35131404	AA	TT	TT	INTERGENIC		
SNP_35002B_35139887	Ca_Kabuli_Chr07	NC_021166.1	35139887	TT	CC	CC	INTERGENIC		
SNP_35004B_35144682	Ca_Kabuli_Chr07	NC_021166.1	35144682	CC	TT	TT	INTERGENIC		
SNP_35005B_35148198	Ca_Kabuli_Chr07	NC_021166.1	35148198	GG	AA	AA	INTERGENIC		
SNP_35006B_35148307	Ca_Kabuli_Chr07	NC_021166.1	35148307	AA	GG	GG	INTERGENIC		
SNP_35007B_35148726	Ca_Kabuli_Chr07	NC_021166.1	35148726	CC	GG	GG	INTERGENIC		
SNP_35008B_35148744	Ca_Kabuli_Chr07	NC_021166.1	35148744	TT	CC	CC	INTERGENIC		
SNP_35009B_35148777	Ca_Kabuli_Chr07	NC_021166.1	35148777	CC	TT	TT	INTERGENIC		
SNP_35010B_35148778	Ca_Kabuli_Chr07	NC_021166.1	35148778	AA	GG	GG	INTERGENIC		
SNP_35011B_35152011	Ca_Kabuli_Chr07	NC_021166.1	35152011	CC	TT	TT	INTERGENIC		
SNP_35012B_35153682	Ca_Kabuli_Chr07	NC_021166.1	35153682	TT	CC	CC	INTERGENIC		
SNP_35013B_35155021	Ca_Kabuli_Chr07	NC_021166.1	35155021	GG	AA	AA	INTERGENIC		
SNP_35015B_35166268	Ca_Kabuli_Chr07	NC_021166.1	35166268	AA	GG	GG	INTERGENIC		
SNP_35016B_35166275	Ca_Kabuli_Chr07	NC_021166.1	35166275	AA	GG	GG	INTERGENIC		
SNP_35017B_35166301	Ca_Kabuli_Chr07	NC_021166.1	35166301	GG	AA	AA	INTERGENIC		
SNP_35018B_35166700	Ca_Kabuli_Chr07	NC_021166.1	35166700	TT	CC	CC	INTERGENIC		
SNP_35021B_35178319	Ca_Kabuli_Chr07	NC_021166.1	35178319	GG	AA	AA	INTERGENIC		
SNP_35023B_35178649	Ca_Kabuli_Chr07	NC_021166.1	35178649	CC	AA	AA	DRR	101493372	transcription factor bHLH13-like
SNP_35024B_35183894	Ca_Kabuli_Chr07	NC_021166.1	35183894	GG	TT	TT	URR	101493372	transcription factor bHLH13-like
SNP_35025B_35186537	Ca_Kabuli_Chr07	NC_021166.1	35186537	AA	GG	GG	INTERGENIC		
SNP_35026B_35208995	Ca_Kabuli_Chr07	NC_021166.1	35208995	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_35027B_35209019	Ca_Kabuli_Chr07	NC_021166.1	35209019	GG	AA	AA	INTERGENIC		
SNP_35028B_35209020	Ca_Kabuli_Chr07	NC_021166.1	35209020	CC	AA	AA	INTERGENIC		
SNP_35029B_35217551	Ca_Kabuli_Chr07	NC_021166.1	35217551	GG	CC	CC	INTERGENIC		
SNP_35030B_35220005	Ca_Kabuli_Chr07	NC_021166.1	35220005	GG	TT	TT	INTRON	101493695	E3 ubiquitin-protein ligase SINAT3-like
SNP_35031B_35225712	Ca_Kabuli_Chr07	NC_021166.1	35225712	TT	AA	AA	INTERGENIC		
SNP_35032B_35226061	Ca_Kabuli_Chr07	NC_021166.1	35226061	GG	TT	TT	DRR	101494013	uncharacterized LOC101494013
SNP_35033B_35229300	Ca_Kabuli_Chr07	NC_021166.1	35229300	AA	GG	GG	URR	101494013	uncharacterized LOC101494013
SNP_35036B_35232076	Ca_Kabuli_Chr07	NC_021166.1	35232076	GG	TT	TT	INTERGENIC		
SNP_35037B_35232700	Ca_Kabuli_Chr07	NC_021166.1	35232700	GG	AA	AA	INTERGENIC		
SNP_35038B_35232904	Ca_Kabuli_Chr07	NC_021166.1	35232904	CC	AA	AA	INTERGENIC		
SNP_35039B_35234563	Ca_Kabuli_Chr07	NC_021166.1	35234563	AA	GG	GG	INTERGENIC		
SNP_35041B_35257131	Ca_Kabuli_Chr07	NC_021166.1	35257131	TT	GG	GG	INTRON	101495181	dynamin-related protein 5A-like
SNP_35042B_35257145	Ca_Kabuli_Chr07	NC_021166.1	35257145	GG	CC	CC	INTRON	101495181	dynamin-related protein 5A-like
SNP_35043B_35257212	Ca_Kabuli_Chr07	NC_021166.1	35257212	TT	GG	GG	INTRON	101495181	dynamin-related protein 5A-like
SNP_35044B_35257511	Ca_Kabuli_Chr07	NC_021166.1	35257511	CC	GG	GG	INTRON	101495181	dynamin-related protein 5A-like
SNP_35045B_35262827	Ca_Kabuli_Chr07	NC_021166.1	35262827	AA	GG	GG	INTERGENIC		
SNP_35046B_35262835	Ca_Kabuli_Chr07	NC_021166.1	35262835	GG	AA	AA	INTERGENIC		
SNP_35047B_35263736	Ca_Kabuli_Chr07	NC_021166.1	35263736	CC	GG	GG	DRR	101410578	transfer RNA alanine (anticodon CGC)
SNP_35048B_35273983	Ca_Kabuli_Chr07	NC_021166.1	35273983	GG	AA	AA	INTERGENIC		
SNP_35049B_35274680	Ca_Kabuli_Chr07	NC_021166.1	35274680	GG	AA	AA	DRR	101495719	clustered mitochondria protein
SNP_35050B_35278840	Ca_Kabuli_Chr07	NC_021166.1	35278840	TT	CC	CC	INTRON	101495719	clustered mitochondria protein
SNP_35051B_35279374	Ca_Kabuli_Chr07	NC_021166.1	35279374	AA	GG	GG	INTRON	101495719	clustered mitochondria protein
SNP_35052B_35282449	Ca_Kabuli_Chr07	NC_021166.1	35282449	GG	AA	AA	INTRON	101495719	clustered mitochondria protein
SNP_35053B_35282831	Ca_Kabuli_Chr07	NC_021166.1	35282831	TT	GG	GG	SYNONYMOUS_CODING	101495719	clustered mitochondria protein

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_35054B_35283429	Ca_Kabuli_Chr07	NC_021166.1	35283429	GG	AA	AA	INTRON	101495719	clustered mitochondria protein
SNP_35055B_35283698	Ca_Kabuli_Chr07	NC_021166.1	35283698	CC	GG	GG	SYNONYMOUS_CODING	101495719	clustered mitochondria protein
SNP_35056B_35285465	Ca_Kabuli_Chr07	NC_021166.1	35285465	AA	CC	CC	INTRON	101495719	clustered mitochondria protein
SNP_35057B_35285741	Ca_Kabuli_Chr07	NC_021166.1	35285741	CC	GG	GG	INTRON	101495719	clustered mitochondria protein
SNP_35058B_35292197	Ca_Kabuli_Chr07	NC_021166.1	35292197	TT	GG	GG	URR	101495719	clustered mitochondria protein
SNP_35059B_35292361	Ca_Kabuli_Chr07	NC_021166.1	35292361	TT	AA	AA	URR	101495719	clustered mitochondria protein
SNP_35060B_35292366	Ca_Kabuli_Chr07	NC_021166.1	35292366	CC	TT	TT	URR	101495719	clustered mitochondria protein
SNP_35061B_35293444	Ca_Kabuli_Chr07	NC_021166.1	35293444	TT	CC	CC	URR	101495719	clustered mitochondria protein
SNP_35062B_35295210	Ca_Kabuli_Chr07	NC_021166.1	35295210	TT	CC	CC	INTERGENIC		
SNP_35063B_35295250	Ca_Kabuli_Chr07	NC_021166.1	35295250	AA	TT	TT	INTERGENIC		
SNP_35064B_35295404	Ca_Kabuli_Chr07	NC_021166.1	35295404	TT	CC	CC	INTERGENIC		
SNP_35065B_35296763	Ca_Kabuli_Chr07	NC_021166.1	35296763	CC	TT	TT	INTERGENIC		
SNP_35066B_35296848	Ca_Kabuli_Chr07	NC_021166.1	35296848	TT	CC	CC	INTERGENIC		
SNP_35067B_35296975	Ca_Kabuli_Chr07	NC_021166.1	35296975	CC	TT	TT	INTERGENIC		
SNP_35068B_35302341	Ca_Kabuli_Chr07	NC_021166.1	35302341	TT	CC	CC	INTERGENIC		
SNP_35070B_35305410	Ca_Kabuli_Chr07	NC_021166.1	35305410	GG	AA	AA	INTERGENIC		
SNP_35071B_35312353	Ca_Kabuli_Chr07	NC_021166.1	35312353	CC	TT	TT	INTERGENIC		
SNP_35072B_35312606	Ca_Kabuli_Chr07	NC_021166.1	35312606	TT	AA	AA	INTERGENIC		
SNP_35073B_35312648	Ca_Kabuli_Chr07	NC_021166.1	35312648	AA	GG	GG	INTERGENIC		
SNP_35074B_35312701	Ca_Kabuli_Chr07	NC_021166.1	35312701	TT	CC	CC	INTERGENIC		
SNP_35075B_35312994	Ca_Kabuli_Chr07	NC_021166.1	35312994	TT	CC	CC	INTERGENIC		
SNP_35076B_35313046	Ca_Kabuli_Chr07	NC_021166.1	35313046	CC	TT	TT	INTERGENIC		
SNP_35077B_35313064	Ca_Kabuli_Chr07	NC_021166.1	35313064	AA	GG	GG	INTERGENIC		
SNP_35078B_35313073	Ca_Kabuli_Chr07	NC_021166.1	35313073	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_35079B_35313083	Ca_Kabuli_Chr07	NC_021166.1	35313083	TT	CC	CC	INTERGENIC		
SNP_35080B_35313280	Ca_Kabuli_Chr07	NC_021166.1	35313280	CC	TT	TT	INTERGENIC		
SNP_35081B_35313313	Ca_Kabuli_Chr07	NC_021166.1	35313313	AA	GG	GG	INTERGENIC		
SNP_35083B_35313657	Ca_Kabuli_Chr07	NC_021166.1	35313657	CC	TT	TT	INTERGENIC		
SNP_35084B_35313691	Ca_Kabuli_Chr07	NC_021166.1	35313691	AA	CC	CC	INTERGENIC		
SNP_35085B_35313872	Ca_Kabuli_Chr07	NC_021166.1	35313872	GG	TT	TT	INTERGENIC		
SNP_35086B_35315472	Ca_Kabuli_Chr07	NC_021166.1	35315472	CC	TT	TT	INTERGENIC		
SNP_35087B_35315827	Ca_Kabuli_Chr07	NC_021166.1	35315827	CC	TT	TT	INTERGENIC		
SNP_35088B_35319145	Ca_Kabuli_Chr07	NC_021166.1	35319145	TT	CC	CC	DRR	101496041	histone-lysine N-methyltransferase ATX3-like
SNP_35089B_35319151	Ca_Kabuli_Chr07	NC_021166.1	35319151	GG	AA	AA	DRR	101496041	histone-lysine N-methyltransferase ATX3-like
SNP_35090B_35323333	Ca_Kabuli_Chr07	NC_021166.1	35323333	TT	AA	AA	INTRON	101496041	histone-lysine N-methyltransferase ATX3-like
SNP_35091B_35327911	Ca_Kabuli_Chr07	NC_021166.1	35327911	TT	CC	CC	INTRON	101496041	histone-lysine N-methyltransferase ATX3-like
SNP_35092B_35330085	Ca_Kabuli_Chr07	NC_021166.1	35330085	GG	TT	TT	INTRON	101496041	histone-lysine N-methyltransferase ATX3-like
SNP_35093B_35330117	Ca_Kabuli_Chr07	NC_021166.1	35330117	CC	TT	TT	INTRON	101496041	histone-lysine N-methyltransferase ATX3-like
SNP_35095B_35331811	Ca_Kabuli_Chr07	NC_021166.1	35331811	TT	AA	AA	INTRON	101496041	histone-lysine N-methyltransferase ATX3-like
SNP_35096B_35332690	Ca_Kabuli_Chr07	NC_021166.1	35332690	TT	CC	CC	INTERGENIC		
SNP_35097B_35333371	Ca_Kabuli_Chr07	NC_021166.1	35333371	CC	AA	AA	URR	101496041	histone-lysine N-methyltransferase ATX3-like
SNP_35098B_35340282	Ca_Kabuli_Chr07	NC_021166.1	35340282	AA	TT	TT	INTERGENIC		
SNP_35099B_35340402	Ca_Kabuli_Chr07	NC_021166.1	35340402	AA	GG	GG	INTERGENIC		
SNP_35100B_35342783	Ca_Kabuli_Chr07	NC_021166.1	35342783	AA	GG	GG	URR	101496599	putative RING-H2 finger protein ATL21A
SNP_35103B_35357203	Ca_Kabuli_Chr07	NC_021166.1	35357203	AA	GG	GG	URR	101497248	cyclic nucleotide-gated ion channel 1
SNP_35104B_35357248	Ca_Kabuli_Chr07	NC_021166.1	35357248	CC	TT	TT	URR	101497248	cyclic nucleotide-gated ion channel 1
SNP_35105B_35357269	Ca_Kabuli_Chr07	NC_021166.1	35357269	AA	GG	GG	URR	101497248	cyclic nucleotide-gated ion channel 1
SNP_35106B_35357289	Ca_Kabuli_Chr07	NC_021166.1	35357289	CC	TT	TT	URR	101497248	cyclic nucleotide-gated ion channel 1

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SNP_35107B_35361253	Ca_Kabuli_Chr07	NC_021166.1	35361253	AA	GG	GG	INTERGENIC		
SNP_35108B_35361350	Ca_Kabuli_Chr07	NC_021166.1	35361350	AA	GG	GG	INTERGENIC		
SNP_35109B_35361357	Ca_Kabuli_Chr07	NC_021166.1	35361357	TT	CC	CC	INTERGENIC		
SNP_35110B_35361376	Ca_Kabuli_Chr07	NC_021166.1	35361376	TT	CC	CC	INTERGENIC		
SNP_35111B_35361378	Ca_Kabuli_Chr07	NC_021166.1	35361378	GG	AA	AA	INTERGENIC		
SNP_35113B_35369122	Ca_Kabuli_Chr07	NC_021166.1	35369122	GG	AA	AA	INTERGENIC		
SNP_35114B_35369131	Ca_Kabuli_Chr07	NC_021166.1	35369131	TT	AA	AA	INTERGENIC		
SNP_35116B_35369974	Ca_Kabuli_Chr07	NC_021166.1	35369974	TT	CC	CC	DRR	101497811	uncharacterized LOC101497811
SNP_35117B_35370262	Ca_Kabuli_Chr07	NC_021166.1	35370262	CC	AA	AA	DRR	101497811	uncharacterized LOC101497811
SNP_35118B_35370275	Ca_Kabuli_Chr07	NC_021166.1	35370275	TT	CC	CC	DRR	101497811	uncharacterized LOC101497811
SNP_35120B_35370304	Ca_Kabuli_Chr07	NC_021166.1	35370304	TT	AA	AA	DRR	101497811	uncharacterized LOC101497811
SNP_35121B_35373685	Ca_Kabuli_Chr07	NC_021166.1	35373685	GG	AA	AA	INTRON	101497811	uncharacterized LOC101497811
SNP_35122B_35380740	Ca_Kabuli_Chr07	NC_021166.1	35380740	AA	GG	GG	INTERGENIC		
SNP_35125B_35382686	Ca_Kabuli_Chr07	NC_021166.1	35382686	CC	GG	GG	INTERGENIC		
SNP_35126B_35382695	Ca_Kabuli_Chr07	NC_021166.1	35382695	AA	GG	GG	INTERGENIC		
SNP_35127B_35382836	Ca_Kabuli_Chr07	NC_021166.1	35382836	AA	GG	GG	INTERGENIC		
SNP_35128B_35382946	Ca_Kabuli_Chr07	NC_021166.1	35382946	TT	GG	GG	INTERGENIC		
SNP_35129B_35418411	Ca_Kabuli_Chr07	NC_021166.1	35418411	GG	AA	AA	INTERGENIC		
SNP_35130B_35423243	Ca_Kabuli_Chr07	NC_021166.1	35423243	CC	TT	TT	INTERGENIC		
SNP_35131B_35454384	Ca_Kabuli_Chr07	NC_021166.1	35454384	TT	CC	CC	INTERGENIC		
SNP_35132B_35461922	Ca_Kabuli_Chr07	NC_021166.1	35461922	TT	CC	CC	INTERGENIC		
SNP_35133B_35461977	Ca_Kabuli_Chr07	NC_021166.1	35461977	TT	CC	CC	INTERGENIC		
SNP_35135B_35461993	Ca_Kabuli_Chr07	NC_021166.1	35461993	AA	TT	TT	INTERGENIC		
SNP_35136B_35462035	Ca_Kabuli_Chr07	NC_021166.1	35462035	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_35137B_35462077	Ca_Kabuli_Chr07	NC_021166.1	35462077	TT	CC	CC	INTERGENIC		
SNP_35139B_35463597	Ca_Kabuli_Chr07	NC_021166.1	35463597	TT	CC	CC	INTERGENIC		
SNP_35140B_35463907	Ca_Kabuli_Chr07	NC_021166.1	35463907	AA	GG	GG	INTERGENIC		
SNP_35141B_35463953	Ca_Kabuli_Chr07	NC_021166.1	35463953	TT	CC	CC	INTERGENIC		
SNP_35142B_35463979	Ca_Kabuli_Chr07	NC_021166.1	35463979	AA	GG	GG	INTERGENIC		
SNP_35143B_35480143	Ca_Kabuli_Chr07	NC_021166.1	35480143	TT	CC	CC	INTRON	101489242	DNA polymerase epsilon subunit 2-like
SNP_35144B_35480375	Ca_Kabuli_Chr07	NC_021166.1	35480375	CC	TT	TT	INTRON	101489242	DNA polymerase epsilon subunit 2-like
SNP_35145B_35480393	Ca_Kabuli_Chr07	NC_021166.1	35480393	AA	CC	CC	INTRON	101489242	DNA polymerase epsilon subunit 2-like
SNP_35146B_35480402	Ca_Kabuli_Chr07	NC_021166.1	35480402	AA	GG	GG	INTRON	101489242	DNA polymerase epsilon subunit 2-like
SNP_35147B_35480442	Ca_Kabuli_Chr07	NC_021166.1	35480442	AA	CC	CC	INTRON	101489242	DNA polymerase epsilon subunit 2-like
SNP_35148B_35480462	Ca_Kabuli_Chr07	NC_021166.1	35480462	CC	TT	TT	INTRON	101489242	DNA polymerase epsilon subunit 2-like
SNP_35150B_35481301	Ca_Kabuli_Chr07	NC_021166.1	35481301	TT	GG	GG	INTRON	101489242	DNA polymerase epsilon subunit 2-like
SNP_35151B_35481337	Ca_Kabuli_Chr07	NC_021166.1	35481337	CC	TT	TT	INTRON	101489242	DNA polymerase epsilon subunit 2-like
SNP_35153B_35481622	Ca_Kabuli_Chr07	NC_021166.1	35481622	AA	CC	CC	INTRON	101489242	DNA polymerase epsilon subunit 2-like
SNP_35154B_35481683	Ca_Kabuli_Chr07	NC_021166.1	35481683	AA	CC	CC	INTRON	101489242	DNA polymerase epsilon subunit 2-like
SNP_35155B_35481686	Ca_Kabuli_Chr07	NC_021166.1	35481686	GG	AA	AA	INTRON	101489242	DNA polymerase epsilon subunit 2-like
SNP_35156B_35481740	Ca_Kabuli_Chr07	NC_021166.1	35481740	TT	CC	CC	INTRON	101489242	DNA polymerase epsilon subunit 2-like
SNP_35157B_35481758	Ca_Kabuli_Chr07	NC_021166.1	35481758	CC	AA	AA	INTRON	101489242	DNA polymerase epsilon subunit 2-like
SNP_35158B_35481808	Ca_Kabuli_Chr07	NC_021166.1	35481808	TT	CC	CC	INTRON	101489242	DNA polymerase epsilon subunit 2-like
SNP_35159B_35501017	Ca_Kabuli_Chr07	NC_021166.1	35501017	CC	AA	AA	INTERGENIC		
SNP_35160B_35501364	Ca_Kabuli_Chr07	NC_021166.1	35501364	AA	GG	GG	INTERGENIC		
SNP_35161B_35501408	Ca_Kabuli_Chr07	NC_021166.1	35501408	TT	CC	CC	INTERGENIC		
SNP_35162B_35501498	Ca_Kabuli_Chr07	NC_021166.1	35501498	AA	CC	CC	INTERGENIC		
SNP_35163B_35501542	Ca_Kabuli_Chr07	NC_021166.1	35501542	TT	CC	CC	INTERGENIC		

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SNP_35164B_35501582	Ca_Kabuli_Chr07	NC_021166.1	35501582	AA	GG	GG	DRR	101502192	uncharacterized LOC101502192
SNP_35165B_35558961	Ca_Kabuli_Chr07	NC_021166.1	35558961	AA	GG	GG	INTERGENIC		
SNP_35167B_35607395	Ca_Kabuli_Chr07	NC_021166.1	35607395	TT	CC	CC	INTRON	101506052	3-methyl-2-oxobutanoate hydroxymethyltransferase 1, mitochondrial-like
SNP_35168B_35786295	Ca_Kabuli_Chr07	NC_021166.1	35786295	TT	CC	CC	INTERGENIC		
SNP_35171B_35787556	Ca_Kabuli_Chr07	NC_021166.1	35787556	GG	AA	AA	INTERGENIC		
SNP_35172B_35787626	Ca_Kabuli_Chr07	NC_021166.1	35787626	GG	CC	CC	INTERGENIC		
SNP_35173B_35794061	Ca_Kabuli_Chr07	NC_021166.1	35794061	GG	AA	AA	INTERGENIC		
SNP_35174B_35864074	Ca_Kabuli_Chr07	NC_021166.1	35864074	TT	CC	CC	INTERGENIC		
SNP_35175B_35917644	Ca_Kabuli_Chr07	NC_021166.1	35917644	GG	TT	TT	INTERGENIC		
SNP_35176B_35939301	Ca_Kabuli_Chr07	NC_021166.1	35939301	CC	TT	TT	INTERGENIC		
SNP_35178B_35950977	Ca_Kabuli_Chr07	NC_021166.1	35950977	TT	GG	GG	INTERGENIC		
SNP_35179B_35959878	Ca_Kabuli_Chr07	NC_021166.1	35959878	GG	AA	AA	INTERGENIC		
SNP_35180B_35959982	Ca_Kabuli_Chr07	NC_021166.1	35959982	CC	GG	GG	INTERGENIC		
SNP_35181B_35973709	Ca_Kabuli_Chr07	NC_021166.1	35973709	AA	GG	GG	INTERGENIC		
SNP_35182B_35979228	Ca_Kabuli_Chr07	NC_021166.1	35979228	GG	TT	TT	INTERGENIC		
SNP_35183B_35979286	Ca_Kabuli_Chr07	NC_021166.1	35979286	CC	GG	GG	INTERGENIC		
SNP_35184B_35979649	Ca_Kabuli_Chr07	NC_021166.1	35979649	AA	GG	GG	INTERGENIC		
SNP_35186B_36133028	Ca_Kabuli_Chr07	NC_021166.1	36133028	TT	CC	CC	INTERGENIC		
SNP_35187B_36133131	Ca_Kabuli_Chr07	NC_021166.1	36133131	AA	CC	CC	INTERGENIC		
SNP_35188B_36133189	Ca_Kabuli_Chr07	NC_021166.1	36133189	TT	CC	CC	INTERGENIC		
SNP_35189B_36133216	Ca_Kabuli_Chr07	NC_021166.1	36133216	CC	TT	TT	INTERGENIC		
SNP_35190B_36133272	Ca_Kabuli_Chr07	NC_021166.1	36133272	AA	GG	GG	INTERGENIC		
SNP_35191B_36133293	Ca_Kabuli_Chr07	NC_021166.1	36133293	CC	AA	AA	INTERGENIC		
SNP_35193B_36281859	Ca_Kabuli_Chr07	NC_021166.1	36281859	AA	GG	GG	INTERGENIC		

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SNP_35194B_36375785	Ca_Kabuli_Chr07	NC_021166.1	36375785	AA	GG	GG	INTERGENIC		
SNP_35195B_36375830	Ca_Kabuli_Chr07	NC_021166.1	36375830	AA	GG	GG	INTERGENIC		
SNP_35196B_36375840	Ca_Kabuli_Chr07	NC_021166.1	36375840	AA	TT	TT	INTERGENIC		
SNP_35197B_36375875	Ca_Kabuli_Chr07	NC_021166.1	36375875	TT	CC	CC	INTERGENIC		
SNP_35198B_36407384	Ca_Kabuli_Chr07	NC_021166.1	36407384	AA	GG	GG	INTERGENIC		
SNP_35199B_36407390	Ca_Kabuli_Chr07	NC_021166.1	36407390	AA	TT	TT	INTERGENIC		
SNP_35201B_36454827	Ca_Kabuli_Chr07	NC_021166.1	36454827	AA	GG	GG	INTERGENIC		
SNP_35202B_36524923	Ca_Kabuli_Chr07	NC_021166.1	36524923	GG	CC	CC	INTERGENIC		
SNP_35203B_36525369	Ca_Kabuli_Chr07	NC_021166.1	36525369	AA	GG	GG	INTERGENIC		
SNP_35204B_36525383	Ca_Kabuli_Chr07	NC_021166.1	36525383	TT	CC	CC	INTERGENIC		
SNP_35205B_36527687	Ca_Kabuli_Chr07	NC_021166.1	36527687	AA	CC	CC	INTERGENIC		
SNP_35206B_36532457	Ca_Kabuli_Chr07	NC_021166.1	36532457	TT	CC	CC	INTERGENIC		
SNP_35208B_36663608	Ca_Kabuli_Chr07	NC_021166.1	36663608	AA	CC	CC	INTERGENIC		
SNP_35209B_36699613	Ca_Kabuli_Chr07	NC_021166.1	36699613	GG	AA	AA	INTERGENIC		
SNP_35210B_36699663	Ca_Kabuli_Chr07	NC_021166.1	36699663	AA	GG	GG	INTERGENIC		
SNP_35211B_36699943	Ca_Kabuli_Chr07	NC_021166.1	36699943	GG	TT	TT	DRR	101507344	mediator of RNA polymerase II transcription subunit 12
SNP_35213B_36750531	Ca_Kabuli_Chr07	NC_021166.1	36750531	AA	CC	CC	INTRON	101508926	uncharacterized LOC101508926
SNP_35214B_36750599	Ca_Kabuli_Chr07	NC_021166.1	36750599	CC	TT	TT	INTRON	101508926	uncharacterized LOC101508926
SNP_35215B_36789791	Ca_Kabuli_Chr07	NC_021166.1	36789791	CC	TT	TT	URR	101510762	UPF0187 protein At3g61320, chloroplastic
SNP_35216B_36907253	Ca_Kabuli_Chr07	NC_021166.1	36907253	AA	GG	GG	INTERGENIC		
SNP_35217B_36998277	Ca_Kabuli_Chr07	NC_021166.1	36998277	GG	AA	AA	INTERGENIC		
SNP_35218B_36998824	Ca_Kabuli_Chr07	NC_021166.1	36998824	GG	AA	AA	INTERGENIC		
SNP_35221B_37112343	Ca_Kabuli_Chr07	NC_021166.1	37112343	GG	AA	AA	INTERGENIC		
SNP_35222B_37112645	Ca_Kabuli_Chr07	NC_021166.1	37112645	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_35223B_37179788	Ca_Kabuli_Chr07	NC_021166.1	37179788	CC	AA	AA	INTERGENIC		
SNP_35224B_37213050	Ca_Kabuli_Chr07	NC_021166.1	37213050	TT	CC	CC	INTERGENIC		
SNP_35225B_37213105	Ca_Kabuli_Chr07	NC_021166.1	37213105	AA	GG	GG	INTERGENIC		
SNP_35226B_37213363	Ca_Kabuli_Chr07	NC_021166.1	37213363	AA	GG	GG	INTERGENIC		
SNP_35227B_37236197	Ca_Kabuli_Chr07	NC_021166.1	37236197	CC	TT	TT	INTRON	101497249	Unknown function
SNP_35228B_37236223	Ca_Kabuli_Chr07	NC_021166.1	37236223	GG	AA	AA	INTRON	101497249	Unknown function
SNP_35229B_37236243	Ca_Kabuli_Chr07	NC_021166.1	37236243	TT	CC	CC	INTRON	101497249	Unknown function
SNP_35230B_37248229	Ca_Kabuli_Chr07	NC_021166.1	37248229	TT	AA	AA	INTRON	101497249	Unknown function
SNP_35231B_37255474	Ca_Kabuli_Chr07	NC_021166.1	37255474	CC	TT	TT	INTRON	101497249	Unknown function
SNP_35232B_37262688	Ca_Kabuli_Chr07	NC_021166.1	37262688	TT	GG	GG	INTRON	101497249	Unknown function
SNP_35233B_37282115	Ca_Kabuli_Chr07	NC_021166.1	37282115	TT	CC	CC	INTRON	101497249	Unknown function
SNP_35234B_37282148	Ca_Kabuli_Chr07	NC_021166.1	37282148	AA	GG	GG	INTRON	101497249	Unknown function
SNP_35235B_37282586	Ca_Kabuli_Chr07	NC_021166.1	37282586	AA	TT	TT	INTRON	101497249	Unknown function
SNP_35236B_37292301	Ca_Kabuli_Chr07	NC_021166.1	37292301	AA	GG	GG	INTERGENIC		
SNP_35237B_37292376	Ca_Kabuli_Chr07	NC_021166.1	37292376	AA	GG	GG	INTERGENIC		
SNP_35238B_37292550	Ca_Kabuli_Chr07	NC_021166.1	37292550	AA	TT	TT	INTERGENIC		
SNP_35239B_37292610	Ca_Kabuli_Chr07	NC_021166.1	37292610	GG	TT	TT	INTERGENIC		
SNP_35240B_37292645	Ca_Kabuli_Chr07	NC_021166.1	37292645	TT	AA	AA	INTERGENIC		
SNP_35241B_37292662	Ca_Kabuli_Chr07	NC_021166.1	37292662	CC	AA	AA	INTERGENIC		
SNP_35242B_37292667	Ca_Kabuli_Chr07	NC_021166.1	37292667	TT	AA	AA	INTERGENIC		
SNP_35243B_37315291	Ca_Kabuli_Chr07	NC_021166.1	37315291	CC	TT	TT	INTERGENIC		
SNP_35244B_37315366	Ca_Kabuli_Chr07	NC_021166.1	37315366	AA	GG	GG	INTERGENIC		
SNP_35245B_37316032	Ca_Kabuli_Chr07	NC_021166.1	37316032	TT	CC	CC	INTERGENIC		
SNP_35246B_37316041	Ca_Kabuli_Chr07	NC_021166.1	37316041	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_35247B_37316049	Ca_Kabuli_Chr07	NC_021166.1	37316049	AA	GG	GG	INTERGENIC		
SNP_35248B_37316052	Ca_Kabuli_Chr07	NC_021166.1	37316052	TT	GG	GG	INTERGENIC		
SNP_35249B_37316499	Ca_Kabuli_Chr07	NC_021166.1	37316499	AA	GG	GG	INTERGENIC		
SNP_35250B_37323189	Ca_Kabuli_Chr07	NC_021166.1	37323189	GG	AA	AA	INTERGENIC		
SNP_35251B_37367176	Ca_Kabuli_Chr07	NC_021166.1	37367176	AA	GG	GG	INTERGENIC		
SNP_35252B_37367193	Ca_Kabuli_Chr07	NC_021166.1	37367193	TT	GG	GG	INTERGENIC		
SNP_35253B_37370017	Ca_Kabuli_Chr07	NC_021166.1	37370017	TT	CC	CC	INTERGENIC		
SNP_35254B_37370080	Ca_Kabuli_Chr07	NC_021166.1	37370080	AA	TT	TT	INTERGENIC		
SNP_35255B_37370333	Ca_Kabuli_Chr07	NC_021166.1	37370333	GG	TT	TT	INTERGENIC		
SNP_35256B_37372023	Ca_Kabuli_Chr07	NC_021166.1	37372023	GG	TT	TT	INTERGENIC		
SNP_35257B_37372128	Ca_Kabuli_Chr07	NC_021166.1	37372128	GG	TT	TT	INTERGENIC		
SNP_35258B_37372158	Ca_Kabuli_Chr07	NC_021166.1	37372158	AA	TT	TT	INTERGENIC		
SNP_35259B_37372387	Ca_Kabuli_Chr07	NC_021166.1	37372387	CC	TT	TT	INTERGENIC		
SNP_35260B_37372540	Ca_Kabuli_Chr07	NC_021166.1	37372540	CC	TT	TT	INTERGENIC		
SNP_35261B_37372971	Ca_Kabuli_Chr07	NC_021166.1	37372971	CC	TT	TT	INTERGENIC		
SNP_35262B_37374030	Ca_Kabuli_Chr07	NC_021166.1	37374030	CC	AA	AA	INTERGENIC		
SNP_35263B_37374036	Ca_Kabuli_Chr07	NC_021166.1	37374036	GG	AA	AA	INTERGENIC		
SNP_35264B_37374227	Ca_Kabuli_Chr07	NC_021166.1	37374227	TT	GG	GG	INTERGENIC		
SNP_35266B_37374257	Ca_Kabuli_Chr07	NC_021166.1	37374257	AA	GG	GG	INTERGENIC		
SNP_35267B_37374269	Ca_Kabuli_Chr07	NC_021166.1	37374269	TT	CC	CC	INTERGENIC		
SNP_35268B_37417291	Ca_Kabuli_Chr07	NC_021166.1	37417291	AA	TT	TT	INTERGENIC		
SNP_35269B_37417556	Ca_Kabuli_Chr07	NC_021166.1	37417556	TT	GG	GG	INTERGENIC		
SNP_35270B_37427583	Ca_Kabuli_Chr07	NC_021166.1	37427583	AA	CC	CC	INTERGENIC		
SNP_35271B_37427608	Ca_Kabuli_Chr07	NC_021166.1	37427608	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_35272B_37427847	Ca_Kabuli_Chr07	NC_021166.1	37427847	AA	CC	CC	INTERGENIC		
SNP_35273B_37437486	Ca_Kabuli_Chr07	NC_021166.1	37437486	TT	AA	AA	INTERGENIC		
SNP_35274B_37437572	Ca_Kabuli_Chr07	NC_021166.1	37437572	TT	GG	GG	INTERGENIC		
SNP_35275B_37453623	Ca_Kabuli_Chr07	NC_021166.1	37453623	TT	GG	GG	INTERGENIC		
SNP_35276B_37479291	Ca_Kabuli_Chr07	NC_021166.1	37479291	TT	CC	CC	INTERGENIC		
SNP_35277B_37479294	Ca_Kabuli_Chr07	NC_021166.1	37479294	GG	AA	AA	INTERGENIC		
SNP_35278B_37479300	Ca_Kabuli_Chr07	NC_021166.1	37479300	GG	AA	AA	INTERGENIC		
SNP_35279B_37479683	Ca_Kabuli_Chr07	NC_021166.1	37479683	AA	GG	GG	INTERGENIC		
SNP_35280B_37479690	Ca_Kabuli_Chr07	NC_021166.1	37479690	TT	CC	CC	INTERGENIC		
SNP_35281B_37479738	Ca_Kabuli_Chr07	NC_021166.1	37479738	AA	TT	TT	INTERGENIC		
SNP_35282B_37479760	Ca_Kabuli_Chr07	NC_021166.1	37479760	CC	TT	TT	INTERGENIC		
SNP_35283B_37482641	Ca_Kabuli_Chr07	NC_021166.1	37482641	GG	TT	TT	INTERGENIC		
SNP_35284B_37496656	Ca_Kabuli_Chr07	NC_021166.1	37496656	CC	TT	TT	INTERGENIC		
SNP_35285B_37496696	Ca_Kabuli_Chr07	NC_021166.1	37496696	AA	GG	GG	INTERGENIC		
SNP_35286B_37496908	Ca_Kabuli_Chr07	NC_021166.1	37496908	AA	CC	CC	INTERGENIC		
SNP_35287B_37497044	Ca_Kabuli_Chr07	NC_021166.1	37497044	AA	GG	GG	INTERGENIC		
SNP_35288B_37497933	Ca_Kabuli_Chr07	NC_021166.1	37497933	GG	AA	AA	INTERGENIC		
SNP_35289B_37498072	Ca_Kabuli_Chr07	NC_021166.1	37498072	GG	AA	AA	INTERGENIC		
SNP_35290B_37498084	Ca_Kabuli_Chr07	NC_021166.1	37498084	TT	AA	AA	INTERGENIC		
SNP_35291B_37498357	Ca_Kabuli_Chr07	NC_021166.1	37498357	GG	AA	AA	INTERGENIC		
SNP_35292B_37498373	Ca_Kabuli_Chr07	NC_021166.1	37498373	GG	AA	AA	INTERGENIC		
SNP_35293B_37502829	Ca_Kabuli_Chr07	NC_021166.1	37502829	TT	CC	CC	INTERGENIC		
SNP_35294B_37502862	Ca_Kabuli_Chr07	NC_021166.1	37502862	GG	AA	AA	INTERGENIC		
SNP_35295B_37504410	Ca_Kabuli_Chr07	NC_021166.1	37504410	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_35296B_37506801	Ca_Kabuli_Chr07	NC_021166.1	37506801	GG	AA	AA	INTERGENIC		
SNP_35297B_37513557	Ca_Kabuli_Chr07	NC_021166.1	37513557	CC	TT	TT	INTERGENIC		
SNP_35298B_37529840	Ca_Kabuli_Chr07	NC_021166.1	37529840	GG	AA	AA	INTERGENIC		
SNP_35299B_37530372	Ca_Kabuli_Chr07	NC_021166.1	37530372	TT	CC	CC	INTERGENIC		
SNP_35300B_37540026	Ca_Kabuli_Chr07	NC_021166.1	37540026	GG	AA	AA	INTERGENIC		
SNP_35301B_37547201	Ca_Kabuli_Chr07	NC_021166.1	37547201	AA	TT	TT	INTERGENIC		
SNP_35302B_37551641	Ca_Kabuli_Chr07	NC_021166.1	37551641	CC	TT	TT	INTERGENIC		
SNP_35303B_37551711	Ca_Kabuli_Chr07	NC_021166.1	37551711	GG	AA	AA	INTERGENIC		
SNP_35304B_37565534	Ca_Kabuli_Chr07	NC_021166.1	37565534	GG	AA	AA	INTERGENIC		
SNP_35305B_37567754	Ca_Kabuli_Chr07	NC_021166.1	37567754	GG	AA	AA	INTERGENIC		
SNP_35307B_37568766	Ca_Kabuli_Chr07	NC_021166.1	37568766	GG	AA	AA	INTERGENIC		
SNP_35308B_37574387	Ca_Kabuli_Chr07	NC_021166.1	37574387	AA	GG	GG	INTERGENIC		
SNP_35309B_37574389	Ca_Kabuli_Chr07	NC_021166.1	37574389	GG	AA	AA	INTERGENIC		
SNP_35310B_37586009	Ca_Kabuli_Chr07	NC_021166.1	37586009	GG	AA	AA	INTERGENIC		
SNP_35312B_37595787	Ca_Kabuli_Chr07	NC_021166.1	37595787	AA	TT	TT	INTERGENIC		
SNP_35313B_37614570	Ca_Kabuli_Chr07	NC_021166.1	37614570	AA	GG	GG	URR	101497907	(+)-neomenthol dehydrogenase-like
SNP_35314B_37614899	Ca_Kabuli_Chr07	NC_021166.1	37614899	GG	CC	CC	INTERGENIC		
SNP_35315B_37615200	Ca_Kabuli_Chr07	NC_021166.1	37615200	TT	CC	CC	INTERGENIC		
SNP_35316B_37615336	Ca_Kabuli_Chr07	NC_021166.1	37615336	AA	GG	GG	INTERGENIC		
SNP_35317B_37615573	Ca_Kabuli_Chr07	NC_021166.1	37615573	GG	AA	AA	INTERGENIC		
SNP_35318B_37616093	Ca_Kabuli_Chr07	NC_021166.1	37616093	TT	CC	CC	INTERGENIC		
SNP_35319B_37622097	Ca_Kabuli_Chr07	NC_021166.1	37622097	TT	CC	CC	INTERGENIC		
SNP_35320B_37622163	Ca_Kabuli_Chr07	NC_021166.1	37622163	TT	CC	CC	INTERGENIC		
SNP_35321B_37622207	Ca_Kabuli_Chr07	NC_021166.1	37622207	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_35323B_37622226	Ca_Kabuli_Chr07	NC_021166.1	37622226	AA	GG	GG	INTERGENIC		
SNP_35324B_37622247	Ca_Kabuli_Chr07	NC_021166.1	37622247	AA	TT	TT	INTERGENIC		
SNP_35325B_37622256	Ca_Kabuli_Chr07	NC_021166.1	37622256	AA	GG	GG	INTERGENIC		
SNP_35326B_37622427	Ca_Kabuli_Chr07	NC_021166.1	37622427	CC	AA	AA	INTERGENIC		
SNP_35327B_37622438	Ca_Kabuli_Chr07	NC_021166.1	37622438	TT	CC	CC	INTERGENIC		
SNP_35328B_37622482	Ca_Kabuli_Chr07	NC_021166.1	37622482	TT	CC	CC	INTERGENIC		
SNP_35329B_37622513	Ca_Kabuli_Chr07	NC_021166.1	37622513	CC	TT	TT	INTERGENIC		
SNP_35330B_37622563	Ca_Kabuli_Chr07	NC_021166.1	37622563	TT	CC	CC	INTERGENIC		
SNP_35331B_37622572	Ca_Kabuli_Chr07	NC_021166.1	37622572	GG	AA	AA	INTERGENIC		
SNP_35332B_37622582	Ca_Kabuli_Chr07	NC_021166.1	37622582	GG	AA	AA	INTERGENIC		
SNP_35333B_37622618	Ca_Kabuli_Chr07	NC_021166.1	37622618	TT	CC	CC	INTERGENIC		
SNP_35334B_37622658	Ca_Kabuli_Chr07	NC_021166.1	37622658	TT	CC	CC	INTERGENIC		
SNP_35335B_37622660	Ca_Kabuli_Chr07	NC_021166.1	37622660	GG	AA	AA	INTERGENIC		
SNP_35336B_37622661	Ca_Kabuli_Chr07	NC_021166.1	37622661	CC	TT	TT	INTERGENIC		
SNP_35337B_37622705	Ca_Kabuli_Chr07	NC_021166.1	37622705	TT	CC	CC	INTERGENIC		
SNP_35338B_37622722	Ca_Kabuli_Chr07	NC_021166.1	37622722	GG	CC	CC	INTERGENIC		
SNP_35339B_37622737	Ca_Kabuli_Chr07	NC_021166.1	37622737	AA	GG	GG	INTERGENIC		
SNP_35340B_37622860	Ca_Kabuli_Chr07	NC_021166.1	37622860	AA	TT	TT	INTERGENIC		
SNP_35341B_37622906	Ca_Kabuli_Chr07	NC_021166.1	37622906	TT	GG	GG	INTERGENIC		
SNP_35342B_37623004	Ca_Kabuli_Chr07	NC_021166.1	37623004	AA	GG	GG	INTERGENIC		
SNP_35343B_37623108	Ca_Kabuli_Chr07	NC_021166.1	37623108	CC	TT	TT	INTERGENIC		
SNP_35344B_37626260	Ca_Kabuli_Chr07	NC_021166.1	37626260	AA	GG	GG	INTERGENIC		
SNP_35345B_37626275	Ca_Kabuli_Chr07	NC_021166.1	37626275	GG	AA	AA	INTERGENIC		
SNP_35346B_37626287	Ca_Kabuli_Chr07	NC_021166.1	37626287	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_35347B_37626455	Ca_Kabuli_Chr07	NC_021166.1	37626455	AA	GG	GG	INTERGENIC		
SNP_35348B_37626518	Ca_Kabuli_Chr07	NC_021166.1	37626518	TT	CC	CC	INTERGENIC		
SNP_35349B_37626534	Ca_Kabuli_Chr07	NC_021166.1	37626534	TT	CC	CC	INTERGENIC		
SNP_35350B_37626538	Ca_Kabuli_Chr07	NC_021166.1	37626538	CC	TT	TT	INTERGENIC		
SNP_35351B_37626601	Ca_Kabuli_Chr07	NC_021166.1	37626601	TT	CC	CC	INTERGENIC		
SNP_35352B_37626628	Ca_Kabuli_Chr07	NC_021166.1	37626628	GG	AA	AA	INTERGENIC		
SNP_35353B_37626631	Ca_Kabuli_Chr07	NC_021166.1	37626631	GG	AA	AA	INTERGENIC		
SNP_35354B_37626660	Ca_Kabuli_Chr07	NC_021166.1	37626660	GG	TT	TT	INTERGENIC		
SNP_35355B_37626666	Ca_Kabuli_Chr07	NC_021166.1	37626666	CC	TT	TT	INTERGENIC		
SNP_35356B_37648094	Ca_Kabuli_Chr07	NC_021166.1	37648094	GG	AA	AA	SYNONYMOUS_CODING	101498226	(+)-neomenthol dehydrogenase-like
SNP_35357B_37667166	Ca_Kabuli_Chr07	NC_021166.1	37667166	AA	GG	GG	INTERGENIC		
SNP_35358B_37667366	Ca_Kabuli_Chr07	NC_021166.1	37667366	GG	AA	AA	INTERGENIC		
SNP_35360B_37667370	Ca_Kabuli_Chr07	NC_021166.1	37667370	AA	GG	GG	INTERGENIC		
SNP_35361B_37707944	Ca_Kabuli_Chr07	NC_021166.1	37707944	CC	TT	TT	INTERGENIC		
SNP_35362B_37711595	Ca_Kabuli_Chr07	NC_021166.1	37711595	CC	TT	TT	INTERGENIC		
SNP_35363B_37711596	Ca_Kabuli_Chr07	NC_021166.1	37711596	GG	AA	AA	INTERGENIC		
SNP_35364B_37711721	Ca_Kabuli_Chr07	NC_021166.1	37711721	CC	AA	AA	INTERGENIC		
SNP_35365B_37711767	Ca_Kabuli_Chr07	NC_021166.1	37711767	GG	AA	AA	INTERGENIC		
SNP_35366B_37724206	Ca_Kabuli_Chr07	NC_021166.1	37724206	GG	CC	CC	DRR	101500057	Unknown function
SNP_35367B_37824588	Ca_Kabuli_Chr07	NC_021166.1	37824588	GG	AA	AA	INTERGENIC		
SNP_35368B_37824612	Ca_Kabuli_Chr07	NC_021166.1	37824612	TT	AA	AA	INTERGENIC		
SNP_35369B_37824915	Ca_Kabuli_Chr07	NC_021166.1	37824915	AA	GG	GG	INTERGENIC		
SNP_35370B_37827240	Ca_Kabuli_Chr07	NC_021166.1	37827240	TT	CC	CC	INTERGENIC		
SNP_35371B_37849767	Ca_Kabuli_Chr07	NC_021166.1	37849767	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_35372B_37849812	Ca_Kabuli_Chr07	NC_021166.1	37849812	AA	GG	GG	INTERGENIC		
SNP_35373B_37849841	Ca_Kabuli_Chr07	NC_021166.1	37849841	AA	CC	CC	INTERGENIC		
SNP_35374B_37849909	Ca_Kabuli_Chr07	NC_021166.1	37849909	TT	AA	AA	INTERGENIC		
SNP_35375B_37849951	Ca_Kabuli_Chr07	NC_021166.1	37849951	AA	GG	GG	INTERGENIC		
SNP_35376B_37850116	Ca_Kabuli_Chr07	NC_021166.1	37850116	TT	GG	GG	INTERGENIC		
SNP_35377B_37850276	Ca_Kabuli_Chr07	NC_021166.1	37850276	AA	GG	GG	INTERGENIC		
SNP_35378B_37850290	Ca_Kabuli_Chr07	NC_021166.1	37850290	TT	AA	AA	INTERGENIC		
SNP_35379B_37856907	Ca_Kabuli_Chr07	NC_021166.1	37856907	GG	TT	TT	INTERGENIC		
SNP_35380B_37856920	Ca_Kabuli_Chr07	NC_021166.1	37856920	AA	GG	GG	INTERGENIC		
SNP_35381B_37856932	Ca_Kabuli_Chr07	NC_021166.1	37856932	GG	TT	TT	INTERGENIC		
SNP_35382B_37856984	Ca_Kabuli_Chr07	NC_021166.1	37856984	TT	GG	GG	INTERGENIC		
SNP_35383B_37857210	Ca_Kabuli_Chr07	NC_021166.1	37857210	TT	CC	CC	INTERGENIC		
SNP_35384B_37879936	Ca_Kabuli_Chr07	NC_021166.1	37879936	TT	CC	CC	INTERGENIC		
SNP_35385B_37879943	Ca_Kabuli_Chr07	NC_021166.1	37879943	AA	GG	GG	INTERGENIC		
SNP_35386B_37894654	Ca_Kabuli_Chr07	NC_021166.1	37894654	TT	AA	AA	INTERGENIC		
SNP_35387B_37904694	Ca_Kabuli_Chr07	NC_021166.1	37904694	CC	GG	GG	INTERGENIC		
SNP_35388B_37904906	Ca_Kabuli_Chr07	NC_021166.1	37904906	TT	GG	GG	INTERGENIC		
SNP_35389B_37914279	Ca_Kabuli_Chr07	NC_021166.1	37914279	GG	TT	TT	INTERGENIC		
SNP_35390B_37915240	Ca_Kabuli_Chr07	NC_021166.1	37915240	TT	CC	CC	INTERGENIC		
SNP_35391B_37915401	Ca_Kabuli_Chr07	NC_021166.1	37915401	TT	GG	GG	INTERGENIC		
SNP_35392B_37927687	Ca_Kabuli_Chr07	NC_021166.1	37927687	CC	TT	TT	INTERGENIC		
SNP_35393B_37948156	Ca_Kabuli_Chr07	NC_021166.1	37948156	TT	GG	GG	INTERGENIC		
SNP_35395B_37992728	Ca_Kabuli_Chr07	NC_021166.1	37992728	TT	AA	AA	INTERGENIC		
SNP_35396B_37992765	Ca_Kabuli_Chr07	NC_021166.1	37992765	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_35397B_37992823	Ca_Kabuli_Chr07	NC_021166.1	37992823	CC	TT	TT	INTERGENIC		
SNP_35398B_37992834	Ca_Kabuli_Chr07	NC_021166.1	37992834	TT	AA	AA	INTERGENIC		
SNP_35399B_37993092	Ca_Kabuli_Chr07	NC_021166.1	37993092	GG	AA	AA	INTERGENIC		
SNP_35400B_37993146	Ca_Kabuli_Chr07	NC_021166.1	37993146	AA	GG	GG	INTERGENIC		
SNP_35401B_37993288	Ca_Kabuli_Chr07	NC_021166.1	37993288	TT	CC	CC	INTERGENIC		
SNP_35402B_37993360	Ca_Kabuli_Chr07	NC_021166.1	37993360	AA	TT	TT	INTERGENIC		
SNP_35403B_38014858	Ca_Kabuli_Chr07	NC_021166.1	38014858	CC	TT	TT	INTERGENIC		
SNP_35404B_38069092	Ca_Kabuli_Chr07	NC_021166.1	38069092	AA	GG	GG	INTERGENIC		
SNP_35405B_38072481	Ca_Kabuli_Chr07	NC_021166.1	38072481	GG	AA	AA	INTERGENIC		
SNP_35406B_38072495	Ca_Kabuli_Chr07	NC_021166.1	38072495	TT	AA	AA	INTERGENIC		
SNP_35408B_38107150	Ca_Kabuli_Chr07	NC_021166.1	38107150	GG	TT	TT	INTERGENIC		
SNP_35409B_38107449	Ca_Kabuli_Chr07	NC_021166.1	38107449	AA	TT	TT	INTERGENIC		
SNP_35410B_38107468	Ca_Kabuli_Chr07	NC_021166.1	38107468	CC	TT	TT	INTERGENIC		
SNP_35411B_38107470	Ca_Kabuli_Chr07	NC_021166.1	38107470	AA	GG	GG	INTERGENIC		
SNP_35412B_38143361	Ca_Kabuli_Chr07	NC_021166.1	38143361	GG	AA	AA	INTRON	101508819	serine/arginine-rich splicing factor RS40-like
SNP_35413B_38159469	Ca_Kabuli_Chr07	NC_021166.1	38159469	GG	AA	AA	INTERGENIC		
SNP_35414B_38165908	Ca_Kabuli_Chr07	NC_021166.1	38165908	GG	TT	TT	INTERGENIC		
SNP_35415B_38166241	Ca_Kabuli_Chr07	NC_021166.1	38166241	TT	CC	CC	INTERGENIC		
SNP_35416B_38182881	Ca_Kabuli_Chr07	NC_021166.1	38182881	TT	CC	CC	INTERGENIC		
SNP_35417B_38193606	Ca_Kabuli_Chr07	NC_021166.1	38193606	GG	TT	TT	INTERGENIC		
SNP_35418B_38232706	Ca_Kabuli_Chr07	NC_021166.1	38232706	AA	GG	GG	INTERGENIC		
SNP_35419B_38232719	Ca_Kabuli_Chr07	NC_021166.1	38232719	GG	CC	CC	INTERGENIC		
SNP_35420B_38232733	Ca_Kabuli_Chr07	NC_021166.1	38232733	AA	CC	CC	INTERGENIC		
SNP_35421B_38232866	Ca_Kabuli_Chr07	NC_021166.1	38232866	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_35422B_38233093	Ca_Kabuli_Chr07	NC_021166.1	38233093	AA	GG	GG	INTERGENIC		
SNP_35423B_38233130	Ca_Kabuli_Chr07	NC_021166.1	38233130	GG	AA	AA	INTERGENIC		
SNP_35424B_38233363	Ca_Kabuli_Chr07	NC_021166.1	38233363	AA	GG	GG	INTERGENIC		
SNP_35425B_38252151	Ca_Kabuli_Chr07	NC_021166.1	38252151	TT	CC	CC	INTERGENIC		
SNP_35426B_38264390	Ca_Kabuli_Chr07	NC_021166.1	38264390	GG	AA	AA	INTERGENIC		
SNP_35427B_38296123	Ca_Kabuli_Chr07	NC_021166.1	38296123	TT	AA	AA	INTERGENIC		
SNP_35428B_38296309	Ca_Kabuli_Chr07	NC_021166.1	38296309	CC	TT	TT	INTERGENIC		
SNP_35429B_38296419	Ca_Kabuli_Chr07	NC_021166.1	38296419	CC	AA	AA	INTERGENIC		
SNP_35430B_38298303	Ca_Kabuli_Chr07	NC_021166.1	38298303	TT	CC	CC	INTERGENIC		
SNP_35431B_38298587	Ca_Kabuli_Chr07	NC_021166.1	38298587	CC	TT	TT	INTERGENIC		
SNP_35433B_38298589	Ca_Kabuli_Chr07	NC_021166.1	38298589	AA	CC	CC	INTERGENIC		
SNP_35434B_38298591	Ca_Kabuli_Chr07	NC_021166.1	38298591	CC	TT	TT	INTERGENIC		
SNP_35436B_38298624	Ca_Kabuli_Chr07	NC_021166.1	38298624	GG	AA	AA	INTERGENIC		
SNP_35437B_38298769	Ca_Kabuli_Chr07	NC_021166.1	38298769	CC	AA	AA	INTERGENIC		
SNP_35439B_38298784	Ca_Kabuli_Chr07	NC_021166.1	38298784	AA	GG	GG	INTERGENIC		
SNP_35440B_38298793	Ca_Kabuli_Chr07	NC_021166.1	38298793	GG	AA	AA	INTERGENIC		
SNP_35441B_38298829	Ca_Kabuli_Chr07	NC_021166.1	38298829	AA	GG	GG	INTERGENIC		
SNP_35442B_38298854	Ca_Kabuli_Chr07	NC_021166.1	38298854	TT	GG	GG	INTERGENIC		
SNP_35443B_38298916	Ca_Kabuli_Chr07	NC_021166.1	38298916	CC	TT	TT	INTERGENIC		
SNP_35444B_38298919	Ca_Kabuli_Chr07	NC_021166.1	38298919	TT	AA	AA	INTERGENIC		
SNP_35445B_38331823	Ca_Kabuli_Chr07	NC_021166.1	38331823	TT	AA	AA	URR	101513983	ubiquitin-related modifier 1 homolog 1-like
SNP_35446B_38354491	Ca_Kabuli_Chr07	NC_021166.1	38354491	AA	TT	TT	URR	101514637	tetraketide alpha-pyrone reductase 2-like
SNP_35447B_38399208	Ca_Kabuli_Chr07	NC_021166.1	38399208	GG	CC	CC	INTERGENIC		
SNP_35448B_38399233	Ca_Kabuli_Chr07	NC_021166.1	38399233	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_35449B_38399584	Ca_Kabuli_Chr07	NC_021166.1	38399584	TT	GG	GG	INTERGENIC		
SNP_35450B_38399858	Ca_Kabuli_Chr07	NC_021166.1	38399858	CC	TT	TT	INTERGENIC		
SNP_35451B_38399875	Ca_Kabuli_Chr07	NC_021166.1	38399875	GG	AA	AA	INTERGENIC		
SNP_35452B_38399879	Ca_Kabuli_Chr07	NC_021166.1	38399879	TT	CC	CC	INTERGENIC		
SNP_35453B_38457014	Ca_Kabuli_Chr07	NC_021166.1	38457014	AA	GG	GG	INTERGENIC		
SNP_35454B_38457021	Ca_Kabuli_Chr07	NC_021166.1	38457021	AA	GG	GG	INTERGENIC		
SNP_35455B_38457051	Ca_Kabuli_Chr07	NC_021166.1	38457051	CC	GG	GG	INTERGENIC		
SNP_35456B_38613468	Ca_Kabuli_Chr07	NC_021166.1	38613468	AA	CC	CC	INTERGENIC		
SNP_35457B_38623000	Ca_Kabuli_Chr07	NC_021166.1	38623000	AA	TT	TT	INTERGENIC		
SNP_35458B_38623194	Ca_Kabuli_Chr07	NC_021166.1	38623194	GG	CC	CC	INTERGENIC		
SNP_35460B_38677661	Ca_Kabuli_Chr07	NC_021166.1	38677661	AA	GG	GG	INTERGENIC		
SNP_35462B_38756934	Ca_Kabuli_Chr07	NC_021166.1	38756934	GG	AA	AA	INTRON	101490351	uncharacterized LOC101490351
SNP_35464B_38792662	Ca_Kabuli_Chr07	NC_021166.1	38792662	AA	GG	GG	INTERGENIC		
SNP_35465B_38792687	Ca_Kabuli_Chr07	NC_021166.1	38792687	AA	GG	GG	INTERGENIC		
SNP_35467B_38809233	Ca_Kabuli_Chr07	NC_021166.1	38809233	AA	GG	GG	URR	101491937	gibberellin 20 oxidase 2-like
SNP_35468B_38866181	Ca_Kabuli_Chr07	NC_021166.1	38866181	TT	AA	AA	INTERGENIC		
SNP_35469B_38882652	Ca_Kabuli_Chr07	NC_021166.1	38882652	TT	CC	CC	INTERGENIC		
SNP_35470B_38882678	Ca_Kabuli_Chr07	NC_021166.1	38882678	GG	AA	AA	INTERGENIC		
SNP_35471B_38882767	Ca_Kabuli_Chr07	NC_021166.1	38882767	GG	AA	AA	INTERGENIC		
SNP_35472B_38883008	Ca_Kabuli_Chr07	NC_021166.1	38883008	CC	TT	TT	INTERGENIC		
SNP_35473B_38889420	Ca_Kabuli_Chr07	NC_021166.1	38889420	TT	CC	CC	INTERGENIC		
SNP_35474B_38899259	Ca_Kabuli_Chr07	NC_021166.1	38899259	TT	CC	CC	INTERGENIC		
SNP_35475B_38899663	Ca_Kabuli_Chr07	NC_021166.1	38899663	CC	TT	TT	INTERGENIC		
SNP_35476B_38983500	Ca_Kabuli_Chr07	NC_021166.1	38983500	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_35477B_38983549	Ca_Kabuli_Chr07	NC_021166.1	38983549	AA	GG	GG	INTERGENIC		
SNP_35478B_38983863	Ca_Kabuli_Chr07	NC_021166.1	38983863	AA	GG	GG	INTERGENIC		
SNP_35479B_38990969	Ca_Kabuli_Chr07	NC_021166.1	38990969	TT	GG	GG	URR	101501335	Unknown function
SNP_35480B_38991187	Ca_Kabuli_Chr07	NC_021166.1	38991187	AA	TT	TT	URR	101501335	Unknown function
SNP_35481B_38991210	Ca_Kabuli_Chr07	NC_021166.1	38991210	CC	AA	AA	URR	101501335	Unknown function
SNP_35482B_38991261	Ca_Kabuli_Chr07	NC_021166.1	38991261	GG	AA	AA	URR	101501335	Unknown function
SNP_35483B_38993341	Ca_Kabuli_Chr07	NC_021166.1	38993341	CC	AA	AA	INTERGENIC		
SNP_35484B_38993492	Ca_Kabuli_Chr07	NC_021166.1	38993492	CC	TT	TT	INTERGENIC		
SNP_35486B_39051772	Ca_Kabuli_Chr07	NC_021166.1	39051772	GG	AA	AA	INTERGENIC		
SNP_35487B_39055354	Ca_Kabuli_Chr07	NC_021166.1	39055354	AA	GG	GG	INTERGENIC		
SNP_35488B_39055400	Ca_Kabuli_Chr07	NC_021166.1	39055400	AA	GG	GG	INTERGENIC		
SNP_35489B_39055411	Ca_Kabuli_Chr07	NC_021166.1	39055411	AA	TT	TT	INTERGENIC		
SNP_35490B_39055420	Ca_Kabuli_Chr07	NC_021166.1	39055420	AA	CC	CC	INTERGENIC		
SNP_35491B_39112582	Ca_Kabuli_Chr07	NC_021166.1	39112582	TT	GG	GG	INTERGENIC		
SNP_35492B_39146504	Ca_Kabuli_Chr07	NC_021166.1	39146504	TT	CC	CC	INTERGENIC		
SNP_35493B_39146505	Ca_Kabuli_Chr07	NC_021166.1	39146505	TT	AA	AA	INTERGENIC		
SNP_35494B_39146506	Ca_Kabuli_Chr07	NC_021166.1	39146506	TT	GG	GG	INTERGENIC		
SNP_35495B_39149781	Ca_Kabuli_Chr07	NC_021166.1	39149781	TT	GG	GG	INTERGENIC		
SNP_35496B_39255645	Ca_Kabuli_Chr07	NC_021166.1	39255645	GG	TT	TT	INTERGENIC		
SNP_35497B_39259788	Ca_Kabuli_Chr07	NC_021166.1	39259788	CC	TT	TT	INTERGENIC		
SNP_35500B_39554618	Ca_Kabuli_Chr07	NC_021166.1	39554618	GG	TT	TT	INTERGENIC		
SNP_35501B_39554992	Ca_Kabuli_Chr07	NC_021166.1	39554992	TT	CC	CC	INTERGENIC		
SNP_35502B_39571195	Ca_Kabuli_Chr07	NC_021166.1	39571195	AA	GG	GG	INTERGENIC		
SNP_35503B_39575533	Ca_Kabuli_Chr07	NC_021166.1	39575533	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_35504B_39577619	Ca_Kabuli_Chr07	NC_021166.1	39577619	CC	AA	AA	INTERGENIC		
SNP_35506B_39621606	Ca_Kabuli_Chr07	NC_021166.1	39621606	TT	CC	CC	INTERGENIC		
SNP_35507B_39621787	Ca_Kabuli_Chr07	NC_021166.1	39621787	AA	GG	GG	INTERGENIC		
SNP_35508B_39630382	Ca_Kabuli_Chr07	NC_021166.1	39630382	GG	AA	AA	INTERGENIC		
SNP_35509B_39630607	Ca_Kabuli_Chr07	NC_021166.1	39630607	AA	TT	TT	INTERGENIC		
SNP_35511B_39630696	Ca_Kabuli_Chr07	NC_021166.1	39630696	GG	AA	AA	INTERGENIC		
SNP_35512B_39630716	Ca_Kabuli_Chr07	NC_021166.1	39630716	TT	GG	GG	INTERGENIC		
SNP_35513B_39630786	Ca_Kabuli_Chr07	NC_021166.1	39630786	TT	CC	CC	INTERGENIC		
SNP_35514B_39639367	Ca_Kabuli_Chr07	NC_021166.1	39639367	GG	TT	TT	INTERGENIC		
SNP_35515B_39639662	Ca_Kabuli_Chr07	NC_021166.1	39639662	AA	CC	CC	INTERGENIC		
SNP_35516B_39829268	Ca_Kabuli_Chr07	NC_021166.1	39829268	CC	TT	TT	INTERGENIC		
SNP_35517B_39829293	Ca_Kabuli_Chr07	NC_021166.1	39829293	AA	GG	GG	INTERGENIC		
SNP_35518B_39829484	Ca_Kabuli_Chr07	NC_021166.1	39829484	TT	CC	CC	INTERGENIC		
SNP_35519B_39829493	Ca_Kabuli_Chr07	NC_021166.1	39829493	GG	AA	AA	INTERGENIC		
SNP_35520B_39829623	Ca_Kabuli_Chr07	NC_021166.1	39829623	GG	AA	AA	INTERGENIC		
SNP_35521B_39829645	Ca_Kabuli_Chr07	NC_021166.1	39829645	GG	TT	TT	INTERGENIC		
SNP_35522B_39829679	Ca_Kabuli_Chr07	NC_021166.1	39829679	AA	GG	GG	INTERGENIC		
SNP_35523B_39829751	Ca_Kabuli_Chr07	NC_021166.1	39829751	GG	CC	CC	INTERGENIC		
SNP_35524B_39829922	Ca_Kabuli_Chr07	NC_021166.1	39829922	CC	AA	AA	INTERGENIC		
SNP_35525B_39830287	Ca_Kabuli_Chr07	NC_021166.1	39830287	GG	CC	CC	INTERGENIC		
SNP_35526B_39844485	Ca_Kabuli_Chr07	NC_021166.1	39844485	AA	GG	GG	INTERGENIC		
SNP_35527B_39844531	Ca_Kabuli_Chr07	NC_021166.1	39844531	TT	GG	GG	INTERGENIC		
SNP_35528B_39844558	Ca_Kabuli_Chr07	NC_021166.1	39844558	CC	AA	AA	INTERGENIC		
SNP_35529B_39844568	Ca_Kabuli_Chr07	NC_021166.1	39844568	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_35530B_39844866	Ca_Kabuli_Chr07	NC_021166.1	39844866	TT	CC	CC	INTERGENIC		
SNP_35531B_39847657	Ca_Kabuli_Chr07	NC_021166.1	39847657	AA	TT	TT	INTERGENIC		
SNP_35532B_39848087	Ca_Kabuli_Chr07	NC_021166.1	39848087	TT	GG	GG	INTERGENIC		
SNP_35533B_39848096	Ca_Kabuli_Chr07	NC_021166.1	39848096	TT	GG	GG	INTERGENIC		
SNP_35534B_39850009	Ca_Kabuli_Chr07	NC_021166.1	39850009	AA	GG	GG	INTERGENIC		
SNP_35535B_39850486	Ca_Kabuli_Chr07	NC_021166.1	39850486	CC	AA	AA	INTERGENIC		
SNP_35536B_39850587	Ca_Kabuli_Chr07	NC_021166.1	39850587	GG	AA	AA	INTERGENIC		
SNP_35537B_39850630	Ca_Kabuli_Chr07	NC_021166.1	39850630	AA	GG	GG	INTERGENIC		
SNP_35538B_39850746	Ca_Kabuli_Chr07	NC_021166.1	39850746	CC	TT	TT	INTERGENIC		
SNP_35539B_39851001	Ca_Kabuli_Chr07	NC_021166.1	39851001	TT	CC	CC	INTERGENIC		
SNP_35540B_39851041	Ca_Kabuli_Chr07	NC_021166.1	39851041	TT	CC	CC	INTERGENIC		
SNP_35541B_39897754	Ca_Kabuli_Chr07	NC_021166.1	39897754	CC	TT	TT	INTERGENIC		
SNP_35542B_39902293	Ca_Kabuli_Chr07	NC_021166.1	39902293	GG	TT	TT	INTERGENIC		
SNP_35543B_39902508	Ca_Kabuli_Chr07	NC_021166.1	39902508	TT	CC	CC	INTERGENIC		
SNP_35544B_39934458	Ca_Kabuli_Chr07	NC_021166.1	39934458	AA	GG	GG	URR	101488247	60S ribosomal protein L36-3-like
SNP_35545B_39934640	Ca_Kabuli_Chr07	NC_021166.1	39934640	AA	CC	CC	URR	101488247	60S ribosomal protein L36-3-like
SNP_35546B_39934656	Ca_Kabuli_Chr07	NC_021166.1	39934656	TT	CC	CC	URR	101488247	60S ribosomal protein L36-3-like
SNP_35547B_39934667	Ca_Kabuli_Chr07	NC_021166.1	39934667	AA	GG	GG	URR	101488247	60S ribosomal protein L36-3-like
SNP_35548B_39983722	Ca_Kabuli_Chr07	NC_021166.1	39983722	CC	AA	AA	INTERGENIC		
SNP_35549B_40013676	Ca_Kabuli_Chr07	NC_021166.1	40013676	GG	TT	TT	URR	101410603	transfer RNA serine (anticodon GCU)
SNP_35550B_40013837	Ca_Kabuli_Chr07	NC_021166.1	40013837	AA	CC	CC	URR	101410603	transfer RNA serine (anticodon GCU)
SNP_35551B_40045301	Ca_Kabuli_Chr07	NC_021166.1	40045301	TT	GG	GG	INTERGENIC		
SNP_35552B_40048872	Ca_Kabuli_Chr07	NC_021166.1	40048872	AA	TT	TT	INTERGENIC		
SNP_35553B_40048887	Ca_Kabuli_Chr07	NC_021166.1	40048887	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_35554B_40049138	Ca_Kabuli_Chr07	NC_021166.1	40049138	TT	CC	CC	INTERGENIC		
SNP_35555B_40049179	Ca_Kabuli_Chr07	NC_021166.1	40049179	TT	CC	CC	INTERGENIC		
SNP_35556B_40049580	Ca_Kabuli_Chr07	NC_021166.1	40049580	CC	GG	GG	INTERGENIC		
SNP_35557B_40049662	Ca_Kabuli_Chr07	NC_021166.1	40049662	TT	CC	CC	INTERGENIC		
SNP_35558B_40049900	Ca_Kabuli_Chr07	NC_021166.1	40049900	AA	GG	GG	INTERGENIC		
SNP_35559B_40049907	Ca_Kabuli_Chr07	NC_021166.1	40049907	AA	GG	GG	INTERGENIC		
SNP_35560B_40049909	Ca_Kabuli_Chr07	NC_021166.1	40049909	AA	GG	GG	INTERGENIC		
SNP_35561B_40086996	Ca_Kabuli_Chr07	NC_021166.1	40086996	AA	TT	TT	INTERGENIC		
SNP_35562B_40086997	Ca_Kabuli_Chr07	NC_021166.1	40086997	TT	GG	GG	INTERGENIC		
SNP_35563B_40087001	Ca_Kabuli_Chr07	NC_021166.1	40087001	TT	CC	CC	INTERGENIC		
SNP_35564B_40087122	Ca_Kabuli_Chr07	NC_021166.1	40087122	CC	AA	AA	INTERGENIC		
SNP_35565B_40087179	Ca_Kabuli_Chr07	NC_021166.1	40087179	TT	AA	AA	INTERGENIC		
SNP_35566B_40087196	Ca_Kabuli_Chr07	NC_021166.1	40087196	AA	GG	GG	INTERGENIC		
SNP_35567B_40088496	Ca_Kabuli_Chr07	NC_021166.1	40088496	AA	GG	GG	INTERGENIC		
SNP_35568B_40089717	Ca_Kabuli_Chr07	NC_021166.1	40089717	TT	CC	CC	INTERGENIC		
SNP_35569B_40090150	Ca_Kabuli_Chr07	NC_021166.1	40090150	AA	CC	CC	INTERGENIC		
SNP_35570B_40090183	Ca_Kabuli_Chr07	NC_021166.1	40090183	GG	CC	CC	INTERGENIC		
SNP_35571B_40090208	Ca_Kabuli_Chr07	NC_021166.1	40090208	TT	CC	CC	INTERGENIC		
SNP_35572B_40141223	Ca_Kabuli_Chr07	NC_021166.1	40141223	TT	CC	CC	STOP_LOST	101496922	protein FAR1-RELATED SEQUENCE 5-like
SNP_35573B_40208219	Ca_Kabuli_Chr07	NC_021166.1	40208219	TT	CC	CC	URR	101495612	zinc finger A20 and AN1 domain-containing stress-associated protein 5
SNP_35574B_40209862	Ca_Kabuli_Chr07	NC_021166.1	40209862	AA	CC	CC	INTERGENIC		
SNP_35575B_40339345	Ca_Kabuli_Chr07	NC_021166.1	40339345	CC	TT	TT	INTERGENIC		
SNP_35576B_40429662	Ca_Kabuli_Chr07	NC_021166.1	40429662	GG	AA	AA	INTERGENIC		
SNP_35577B_40429663	Ca_Kabuli_Chr07	NC_021166.1	40429663	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_35578B_40429796	Ca_Kabuli_Chr07	NC_021166.1	40429796	AA	GG	GG	INTERGENIC		
SNP_35579B_40429870	Ca_Kabuli_Chr07	NC_021166.1	40429870	CC	GG	GG	INTERGENIC		
SNP_35580B_40430046	Ca_Kabuli_Chr07	NC_021166.1	40430046	CC	AA	AA	INTERGENIC		
SNP_35581B_40430085	Ca_Kabuli_Chr07	NC_021166.1	40430085	AA	CC	CC	INTERGENIC		
SNP_35582B_40430109	Ca_Kabuli_Chr07	NC_021166.1	40430109	GG	AA	AA	INTERGENIC		
SNP_35583B_40430110	Ca_Kabuli_Chr07	NC_021166.1	40430110	AA	GG	GG	INTERGENIC		
SNP_35585B_40430182	Ca_Kabuli_Chr07	NC_021166.1	40430182	TT	GG	GG	INTERGENIC		
SNP_35586B_40430183	Ca_Kabuli_Chr07	NC_021166.1	40430183	TT	CC	CC	INTERGENIC		
SNP_35587B_40430299	Ca_Kabuli_Chr07	NC_021166.1	40430299	GG	AA	AA	INTERGENIC		
SNP_35588B_40469785	Ca_Kabuli_Chr07	NC_021166.1	40469785	GG	AA	AA	INTERGENIC		
SNP_35589B_40474281	Ca_Kabuli_Chr07	NC_021166.1	40474281	CC	GG	GG	INTERGENIC		
SNP_35590B_40522080	Ca_Kabuli_Chr07	NC_021166.1	40522080	TT	CC	CC	INTERGENIC		
SNP_35591B_40524538	Ca_Kabuli_Chr07	NC_021166.1	40524538	AA	GG	GG	INTERGENIC		
SNP_35592B_40555188	Ca_Kabuli_Chr07	NC_021166.1	40555188	AA	GG	GG	INTERGENIC		
SNP_35593B_40555322	Ca_Kabuli_Chr07	NC_021166.1	40555322	TT	CC	CC	INTERGENIC		
SNP_35594B_40555345	Ca_Kabuli_Chr07	NC_021166.1	40555345	GG	TT	TT	INTERGENIC		
SNP_35595B_40555686	Ca_Kabuli_Chr07	NC_021166.1	40555686	TT	GG	GG	INTERGENIC		
SNP_35596B_40589201	Ca_Kabuli_Chr07	NC_021166.1	40589201	CC	TT	TT	DRR	101508612	aspartic proteinase CDR1-like
SNP_35597B_40589607	Ca_Kabuli_Chr07	NC_021166.1	40589607	TT	CC	CC	SYNONYMOUS_CODING	101508612	aspartic proteinase CDR1-like
SNP_35598B_40589620	Ca_Kabuli_Chr07	NC_021166.1	40589620	CC	TT	TT	NON_SYNONYMOUS_CODING	101508612	aspartic proteinase CDR1-like
SNP_35599B_40589642	Ca_Kabuli_Chr07	NC_021166.1	40589642	TT	CC	CC	NON_SYNONYMOUS_CODING	101508612	aspartic proteinase CDR1-like
SNP_35600B_40589649	Ca_Kabuli_Chr07	NC_021166.1	40589649	AA	TT	TT	NON_SYNONYMOUS_CODING	101508612	aspartic proteinase CDR1-like
SNP_35601B_40589712	Ca_Kabuli_Chr07	NC_021166.1	40589712	CC	GG	GG	NON_SYNONYMOUS_CODING	101508612	aspartic proteinase CDR1-like
SNP_35602B_40589733	Ca_Kabuli_Chr07	NC_021166.1	40589733	AA	TT	TT	SYNONYMOUS_CODING	101508612	aspartic proteinase CDR1-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_35603B_40589760	Ca_Kabuli_Chr07	NC_021166.1	40589760	CC	AA	AA	NON_SYNONYMOUS_CODING	101508612	aspartic proteinase CDR1-like
SNP_35604B_40589903	Ca_Kabuli_Chr07	NC_021166.1	40589903	AA	CC	CC	NON_SYNONYMOUS_CODING	101508612	aspartic proteinase CDR1-like
SNP_35605B_40589912	Ca_Kabuli_Chr07	NC_021166.1	40589912	AA	CC	CC	NON_SYNONYMOUS_CODING	101508612	aspartic proteinase CDR1-like
SNP_35606B_40589935	Ca_Kabuli_Chr07	NC_021166.1	40589935	TT	CC	CC	NON_SYNONYMOUS_CODING	101508612	aspartic proteinase CDR1-like
SNP_35607B_40589950	Ca_Kabuli_Chr07	NC_021166.1	40589950	GG	TT	TT	NON_SYNONYMOUS_CODING	101508612	aspartic proteinase CDR1-like
SNP_35608B_40589951	Ca_Kabuli_Chr07	NC_021166.1	40589951	CC	AA	AA	NON_SYNONYMOUS_CODING	101508612	aspartic proteinase CDR1-like
SNP_35609B_40589985	Ca_Kabuli_Chr07	NC_021166.1	40589985	TT	AA	AA	SYNONYMOUS_CODING	101508612	aspartic proteinase CDR1-like
SNP_35610B_40590049	Ca_Kabuli_Chr07	NC_021166.1	40590049	TT	GG	GG	NON_SYNONYMOUS_CODING	101508612	aspartic proteinase CDR1-like
SNP_35612B_40639458	Ca_Kabuli_Chr07	NC_021166.1	40639458	GG	CC	CC	INTERGENIC		
SNP_35613B_40656352	Ca_Kabuli_Chr07	NC_021166.1	40656352	GG	CC	CC	INTERGENIC		
SNP_35614B_40659392	Ca_Kabuli_Chr07	NC_021166.1	40659392	AA	GG	GG	INTRON	101509242	bidirectional sugar transporter SWEET2-like
SNP_35615B_40659455	Ca_Kabuli_Chr07	NC_021166.1	40659455	AA	TT	TT	NON_SYNONYMOUS_CODING	101509242	bidirectional sugar transporter SWEET2-like
SNP_35616B_40659459	Ca_Kabuli_Chr07	NC_021166.1	40659459	AA	GG	GG	STOP_LOST	101509242	bidirectional sugar transporter SWEET2-like
SNP_35617B_40659728	Ca_Kabuli_Chr07	NC_021166.1	40659728	TT	GG	GG	INTRON	101509242	bidirectional sugar transporter SWEET2-like
SNP_35618B_40659787	Ca_Kabuli_Chr07	NC_021166.1	40659787	CC	TT	TT	INTRON	101509242	bidirectional sugar transporter SWEET2-like
SNP_35619B_40662151	Ca_Kabuli_Chr07	NC_021166.1	40662151	TT	CC	CC	URR	101509242	bidirectional sugar transporter SWEET2-like
SNP_35620B_40748364	Ca_Kabuli_Chr07	NC_021166.1	40748364	AA	GG	GG	INTERGENIC		
SNP_35621B_40761984	Ca_Kabuli_Chr07	NC_021166.1	40761984	AA	GG	GG	INTRON	101506915	annexin-like protein RJ4
SNP_35622B_40768770	Ca_Kabuli_Chr07	NC_021166.1	40768770	GG	AA	AA	URR	101410596	transfer RNA arginine (anticodon ACG)
SNP_35623B_40768803	Ca_Kabuli_Chr07	NC_021166.1	40768803	CC	TT	TT	URR	101410596	transfer RNA arginine (anticodon ACG)
SNP_35624B_40768860	Ca_Kabuli_Chr07	NC_021166.1	40768860	GG	AA	AA	URR	101410596	transfer RNA arginine (anticodon ACG)
SNP_35625B_40769167	Ca_Kabuli_Chr07	NC_021166.1	40769167	CC	AA	AA	URR	101410596	transfer RNA arginine (anticodon ACG)
SNP_35626B_40786448	Ca_Kabuli_Chr07	NC_021166.1	40786448	TT	AA	AA	INTERGENIC		
SNP_35627B_40888258	Ca_Kabuli_Chr07	NC_021166.1	40888258	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_35628B_40963878	Ca_Kabuli_Chr07	NC_021166.1	40963878	CC	TT	TT	INTERGENIC		
SNP_35630B_40978498	Ca_Kabuli_Chr07	NC_021166.1	40978498	TT	AA	AA	INTERGENIC		
SNP_35631B_40978509	Ca_Kabuli_Chr07	NC_021166.1	40978509	GG	TT	TT	INTERGENIC		
SNP_35632B_40978512	Ca_Kabuli_Chr07	NC_021166.1	40978512	TT	AA	AA	INTERGENIC		
SNP_35633B_40978541	Ca_Kabuli_Chr07	NC_021166.1	40978541	AA	TT	TT	INTERGENIC		
SNP_35634B_40978568	Ca_Kabuli_Chr07	NC_021166.1	40978568	TT	CC	CC	INTERGENIC		
SNP_35635B_40978635	Ca_Kabuli_Chr07	NC_021166.1	40978635	CC	TT	TT	INTERGENIC		
SNP_35636B_40978652	Ca_Kabuli_Chr07	NC_021166.1	40978652	CC	TT	TT	INTERGENIC		
SNP_35637B_40978653	Ca_Kabuli_Chr07	NC_021166.1	40978653	GG	AA	AA	INTERGENIC		
SNP_35638B_40978663	Ca_Kabuli_Chr07	NC_021166.1	40978663	TT	CC	CC	INTERGENIC		
SNP_35639B_40978666	Ca_Kabuli_Chr07	NC_021166.1	40978666	AA	GG	GG	INTERGENIC		
SNP_35640B_40978670	Ca_Kabuli_Chr07	NC_021166.1	40978670	CC	GG	GG	INTERGENIC		
SNP_35641B_40978689	Ca_Kabuli_Chr07	NC_021166.1	40978689	TT	CC	CC	INTERGENIC		
SNP_35642B_40978692	Ca_Kabuli_Chr07	NC_021166.1	40978692	TT	CC	CC	INTERGENIC		
SNP_35643B_40982837	Ca_Kabuli_Chr07	NC_021166.1	40982837	CC	TT	TT	INTERGENIC		
SNP_35644B_40984998	Ca_Kabuli_Chr07	NC_021166.1	40984998	CC	TT	TT	DRR	101512042	aspartic proteinase CDR1-like
SNP_35646B_40985058	Ca_Kabuli_Chr07	NC_021166.1	40985058	AA	TT	TT	DRR	101512042	aspartic proteinase CDR1-like
SNP_35647B_40985074	Ca_Kabuli_Chr07	NC_021166.1	40985074	CC	AA	AA	DRR	101512042	aspartic proteinase CDR1-like
SNP_35648B_40985089	Ca_Kabuli_Chr07	NC_021166.1	40985089	CC	TT	TT	DRR	101512042	aspartic proteinase CDR1-like
SNP_35649B_40985097	Ca_Kabuli_Chr07	NC_021166.1	40985097	GG	AA	AA	NON_SYNONYMOUS_CODING	101512042	aspartic proteinase CDR1-like
SNP_35650B_40985100	Ca_Kabuli_Chr07	NC_021166.1	40985100	CC	TT	TT	NON_SYNONYMOUS_CODING	101512042	aspartic proteinase CDR1-like
SNP_35651B_40985319	Ca_Kabuli_Chr07	NC_021166.1	40985319	GG	AA	AA	NON_SYNONYMOUS_CODING	101512042	aspartic proteinase CDR1-like
SNP_35652B_40986757	Ca_Kabuli_Chr07	NC_021166.1	40986757	AA	TT	TT	URR	101512042	aspartic proteinase CDR1-like
SNP_35653B_40986759	Ca_Kabuli_Chr07	NC_021166.1	40986759	TT	AA	AA	URR	101512042	aspartic proteinase CDR1-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_35654B_40986765	Ca_Kabuli_Chr07	NC_021166.1	40986765	AA	TT	TT	URR	101512042	aspartic proteinase CDR1-like
SNP_35655B_40986768	Ca_Kabuli_Chr07	NC_021166.1	40986768	TT	AA	AA	URR	101512042	aspartic proteinase CDR1-like
SNP_35656B_40986781	Ca_Kabuli_Chr07	NC_021166.1	40986781	AA	TT	TT	URR	101512042	aspartic proteinase CDR1-like
SNP_35657B_40986787	Ca_Kabuli_Chr07	NC_021166.1	40986787	TT	AA	AA	URR	101512042	aspartic proteinase CDR1-like
SNP_35658B_40986794	Ca_Kabuli_Chr07	NC_021166.1	40986794	AA	TT	TT	URR	101512042	aspartic proteinase CDR1-like
SNP_35659B_40990636	Ca_Kabuli_Chr07	NC_021166.1	40990636	TT	GG	GG	INTERGENIC		
SNP_35660B_40990645	Ca_Kabuli_Chr07	NC_021166.1	40990645	GG	AA	AA	INTERGENIC		
SNP_35661B_40990684	Ca_Kabuli_Chr07	NC_021166.1	40990684	CC	AA	AA	INTERGENIC		
SNP_35662B_40990852	Ca_Kabuli_Chr07	NC_021166.1	40990852	TT	CC	CC	INTERGENIC		
SNP_35663B_40990853	Ca_Kabuli_Chr07	NC_021166.1	40990853	GG	AA	AA	INTERGENIC		
SNP_35664B_40990867	Ca_Kabuli_Chr07	NC_021166.1	40990867	GG	TT	TT	INTERGENIC		
SNP_35665B_40990890	Ca_Kabuli_Chr07	NC_021166.1	40990890	GG	AA	AA	INTERGENIC		
SNP_35666B_40990917	Ca_Kabuli_Chr07	NC_021166.1	40990917	AA	GG	GG	INTERGENIC		
SNP_35667B_40990919	Ca_Kabuli_Chr07	NC_021166.1	40990919	AA	GG	GG	INTERGENIC		
SNP_35668B_40990950	Ca_Kabuli_Chr07	NC_021166.1	40990950	CC	TT	TT	INTERGENIC		
SNP_35669B_40990959	Ca_Kabuli_Chr07	NC_021166.1	40990959	CC	AA	AA	INTERGENIC		
SNP_35670B_40990964	Ca_Kabuli_Chr07	NC_021166.1	40990964	TT	CC	CC	INTERGENIC		
SNP_35672B_41008436	Ca_Kabuli_Chr07	NC_021166.1	41008436	AA	GG	GG	INTERGENIC		
SNP_35673B_41008458	Ca_Kabuli_Chr07	NC_021166.1	41008458	TT	GG	GG	INTERGENIC		
SNP_35674B_41008493	Ca_Kabuli_Chr07	NC_021166.1	41008493	TT	AA	AA	INTERGENIC		
SNP_35675B_41008546	Ca_Kabuli_Chr07	NC_021166.1	41008546	CC	TT	TT	INTERGENIC		
SNP_35676B_41008565	Ca_Kabuli_Chr07	NC_021166.1	41008565	AA	GG	GG	INTERGENIC		
SNP_35677B_41008607	Ca_Kabuli_Chr07	NC_021166.1	41008607	CC	GG	GG	INTERGENIC		
SNP_35678B_41008692	Ca_Kabuli_Chr07	NC_021166.1	41008692	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_35679B_41008705	Ca_Kabuli_Chr07	NC_021166.1	41008705	AA	GG	GG	INTERGENIC		
SNP_35680B_41008762	Ca_Kabuli_Chr07	NC_021166.1	41008762	GG	TT	TT	INTERGENIC		
SNP_35682B_41008824	Ca_Kabuli_Chr07	NC_021166.1	41008824	AA	CC	CC	INTERGENIC		
SNP_35683B_41008833	Ca_Kabuli_Chr07	NC_021166.1	41008833	GG	AA	AA	INTERGENIC		
SNP_35684B_41008839	Ca_Kabuli_Chr07	NC_021166.1	41008839	CC	TT	TT	INTERGENIC		
SNP_35685B_41008877	Ca_Kabuli_Chr07	NC_021166.1	41008877	TT	AA	AA	INTERGENIC		
SNP_35686B_41008944	Ca_Kabuli_Chr07	NC_021166.1	41008944	TT	CC	CC	INTERGENIC		
SNP_35687B_41009240	Ca_Kabuli_Chr07	NC_021166.1	41009240	CC	GG	GG	INTERGENIC		
SNP_35688B_41009243	Ca_Kabuli_Chr07	NC_021166.1	41009243	AA	TT	TT	INTERGENIC		
SNP_35689B_41009249	Ca_Kabuli_Chr07	NC_021166.1	41009249	AA	TT	TT	INTERGENIC		
SNP_35690B_41009304	Ca_Kabuli_Chr07	NC_021166.1	41009304	AA	CC	CC	INTERGENIC		
SNP_35691B_41009399	Ca_Kabuli_Chr07	NC_021166.1	41009399	AA	TT	TT	INTERGENIC		
SNP_35693B_41009987	Ca_Kabuli_Chr07	NC_021166.1	41009987	GG	AA	AA	INTERGENIC		
SNP_35694B_41010116	Ca_Kabuli_Chr07	NC_021166.1	41010116	GG	AA	AA	INTERGENIC		
SNP_35696B_41010247	Ca_Kabuli_Chr07	NC_021166.1	41010247	TT	AA	AA	INTERGENIC		
SNP_35697B_41010343	Ca_Kabuli_Chr07	NC_021166.1	41010343	TT	AA	AA	INTERGENIC		
SNP_35698B_41027465	Ca_Kabuli_Chr07	NC_021166.1	41027465	AA	TT	TT	INTERGENIC		
SNP_35699B_41027537	Ca_Kabuli_Chr07	NC_021166.1	41027537	GG	AA	AA	INTERGENIC		
SNP_35701B_41027790	Ca_Kabuli_Chr07	NC_021166.1	41027790	AA	CC	CC	INTERGENIC		
SNP_35702B_41027830	Ca_Kabuli_Chr07	NC_021166.1	41027830	CC	GG	GG	INTERGENIC		
SNP_35703B_41027861	Ca_Kabuli_Chr07	NC_021166.1	41027861	AA	GG	GG	INTERGENIC		
SNP_35704B_41027893	Ca_Kabuli_Chr07	NC_021166.1	41027893	TT	AA	AA	INTERGENIC		
SNP_35705B_41073180	Ca_Kabuli_Chr07	NC_021166.1	41073180	TT	CC	CC	INTERGENIC		
SNP_35706B_41167907	Ca_Kabuli_Chr07	NC_021166.1	41167907	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_35707B_41167913	Ca_Kabuli_Chr07	NC_021166.1	41167913	AA	CC	CC	INTERGENIC		
SNP_35708B_41167934	Ca_Kabuli_Chr07	NC_021166.1	41167934	GG	AA	AA	INTERGENIC		
SNP_35709B_41167952	Ca_Kabuli_Chr07	NC_021166.1	41167952	AA	GG	GG	INTERGENIC		
SNP_35710B_41168269	Ca_Kabuli_Chr07	NC_021166.1	41168269	GG	TT	TT	INTERGENIC		
SNP_35711B_41168333	Ca_Kabuli_Chr07	NC_021166.1	41168333	TT	AA	AA	INTERGENIC		
SNP_35712B_41170143	Ca_Kabuli_Chr07	NC_021166.1	41170143	AA	GG	GG	INTERGENIC		
SNP_35713B_41170170	Ca_Kabuli_Chr07	NC_021166.1	41170170	GG	AA	AA	INTERGENIC		
SNP_35714B_41170275	Ca_Kabuli_Chr07	NC_021166.1	41170275	CC	GG	GG	INTERGENIC		
SNP_35715B_41170311	Ca_Kabuli_Chr07	NC_021166.1	41170311	CC	AA	AA	INTERGENIC		
SNP_35716B_41185113	Ca_Kabuli_Chr07	NC_021166.1	41185113	AA	GG	GG	INTERGENIC		
SNP_35717B_41200763	Ca_Kabuli_Chr07	NC_021166.1	41200763	TT	AA	AA	INTERGENIC		
SNP_35718B_41215435	Ca_Kabuli_Chr07	NC_021166.1	41215435	AA	CC	CC	INTRON	101499124	bidirectional sugar transporter SWEET2-like
SNP_35719B_41215484	Ca_Kabuli_Chr07	NC_021166.1	41215484	TT	AA	AA	INTRON	101499124	bidirectional sugar transporter SWEET2-like
SNP_35720B_41215591	Ca_Kabuli_Chr07	NC_021166.1	41215591	TT	CC	CC	INTRON	101499124	bidirectional sugar transporter SWEET2-like
SNP_35721B_41232035	Ca_Kabuli_Chr07	NC_021166.1	41232035	AA	TT	TT	INTERGENIC		
SNP_35722B_41232036	Ca_Kabuli_Chr07	NC_021166.1	41232036	AA	TT	TT	INTERGENIC		
SNP_35723B_41239000	Ca_Kabuli_Chr07	NC_021166.1	41239000	GG	TT	TT	INTERGENIC		
SNP_35724B_41239078	Ca_Kabuli_Chr07	NC_021166.1	41239078	CC	TT	TT	INTERGENIC		
SNP_35725B_41239084	Ca_Kabuli_Chr07	NC_021166.1	41239084	TT	CC	CC	INTERGENIC		
SNP_35726B_41239241	Ca_Kabuli_Chr07	NC_021166.1	41239241	AA	GG	GG	INTERGENIC		
SNP_35727B_41239244	Ca_Kabuli_Chr07	NC_021166.1	41239244	AA	GG	GG	INTERGENIC		
SNP_35728B_41239248	Ca_Kabuli_Chr07	NC_021166.1	41239248	TT	CC	CC	INTERGENIC		
SNP_35729B_41239292	Ca_Kabuli_Chr07	NC_021166.1	41239292	AA	GG	GG	INTERGENIC		
SNP_35730B_41239315	Ca_Kabuli_Chr07	NC_021166.1	41239315	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_35731B_41239326	Ca_Kabuli_Chr07	NC_021166.1	41239326	TT	CC	CC	INTERGENIC		
SNP_35732B_41239344	Ca_Kabuli_Chr07	NC_021166.1	41239344	TT	CC	CC	INTERGENIC		
SNP_35733B_41239648	Ca_Kabuli_Chr07	NC_021166.1	41239648	CC	AA	AA	INTERGENIC		
SNP_35734B_41241233	Ca_Kabuli_Chr07	NC_021166.1	41241233	AA	CC	CC	INTERGENIC		
SNP_35735B_41241255	Ca_Kabuli_Chr07	NC_021166.1	41241255	AA	GG	GG	INTERGENIC		
SNP_35736B_41241260	Ca_Kabuli_Chr07	NC_021166.1	41241260	AA	CC	CC	INTERGENIC		
SNP_35737B_41250738	Ca_Kabuli_Chr07	NC_021166.1	41250738	AA	TT	TT	INTERGENIC		
SNP_35738B_41250764	Ca_Kabuli_Chr07	NC_021166.1	41250764	GG	TT	TT	INTERGENIC		
SNP_35739B_41250850	Ca_Kabuli_Chr07	NC_021166.1	41250850	AA	TT	TT	INTERGENIC		
SNP_35740B_41250856	Ca_Kabuli_Chr07	NC_021166.1	41250856	AA	CC	CC	INTERGENIC		
SNP_35741B_41250944	Ca_Kabuli_Chr07	NC_021166.1	41250944	TT	CC	CC	INTERGENIC		
SNP_35742B_41250968	Ca_Kabuli_Chr07	NC_021166.1	41250968	CC	GG	GG	INTERGENIC		
SNP_35743B_41251003	Ca_Kabuli_Chr07	NC_021166.1	41251003	GG	TT	TT	INTERGENIC		
SNP_35744B_41251026	Ca_Kabuli_Chr07	NC_021166.1	41251026	GG	AA	AA	INTERGENIC		
SNP_35745B_41251044	Ca_Kabuli_Chr07	NC_021166.1	41251044	AA	TT	TT	INTERGENIC		
SNP_35746B_41251132	Ca_Kabuli_Chr07	NC_021166.1	41251132	GG	CC	CC	INTERGENIC		
SNP_35747B_41251242	Ca_Kabuli_Chr07	NC_021166.1	41251242	CC	TT	TT	INTERGENIC		
SNP_35749B_41251296	Ca_Kabuli_Chr07	NC_021166.1	41251296	CC	AA	AA	INTERGENIC		
SNP_35750B_41251325	Ca_Kabuli_Chr07	NC_021166.1	41251325	AA	GG	GG	INTERGENIC		
SNP_35751B_41251349	Ca_Kabuli_Chr07	NC_021166.1	41251349	CC	AA	AA	INTERGENIC		
SNP_35752B_41251402	Ca_Kabuli_Chr07	NC_021166.1	41251402	TT	CC	CC	INTERGENIC		
SNP_35753B_41251406	Ca_Kabuli_Chr07	NC_021166.1	41251406	TT	GG	GG	INTERGENIC		
SNP_35754B_41251418	Ca_Kabuli_Chr07	NC_021166.1	41251418	CC	GG	GG	INTERGENIC		
SNP_35755B_41251528	Ca_Kabuli_Chr07	NC_021166.1	41251528	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_35756B_41251594	Ca_Kabuli_Chr07	NC_021166.1	41251594	AA	GG	GG	INTERGENIC		
SNP_35757B_41251673	Ca_Kabuli_Chr07	NC_021166.1	41251673	AA	GG	GG	INTERGENIC		
SNP_35758B_41251684	Ca_Kabuli_Chr07	NC_021166.1	41251684	GG	AA	AA	INTERGENIC		
SNP_35759B_41251756	Ca_Kabuli_Chr07	NC_021166.1	41251756	CC	TT	TT	INTERGENIC		
SNP_35760B_41251855	Ca_Kabuli_Chr07	NC_021166.1	41251855	CC	AA	AA	INTERGENIC		
SNP_35761B_41251856	Ca_Kabuli_Chr07	NC_021166.1	41251856	AA	GG	GG	INTERGENIC		
SNP_35762B_41251857	Ca_Kabuli_Chr07	NC_021166.1	41251857	GG	AA	AA	INTERGENIC		
SNP_35763B_41251889	Ca_Kabuli_Chr07	NC_021166.1	41251889	TT	CC	CC	INTERGENIC		
SNP_35764B_41251938	Ca_Kabuli_Chr07	NC_021166.1	41251938	GG	AA	AA	INTERGENIC		
SNP_35765B_41251987	Ca_Kabuli_Chr07	NC_021166.1	41251987	CC	TT	TT	INTERGENIC		
SNP_35766B_41252030	Ca_Kabuli_Chr07	NC_021166.1	41252030	CC	GG	GG	INTERGENIC		
SNP_35767B_41252046	Ca_Kabuli_Chr07	NC_021166.1	41252046	TT	CC	CC	INTERGENIC		
SNP_35768B_41252052	Ca_Kabuli_Chr07	NC_021166.1	41252052	GG	AA	AA	INTERGENIC		
SNP_35769B_41252113	Ca_Kabuli_Chr07	NC_021166.1	41252113	GG	CC	CC	INTERGENIC		
SNP_35770B_41252136	Ca_Kabuli_Chr07	NC_021166.1	41252136	CC	TT	TT	INTERGENIC		
SNP_35771B_41252138	Ca_Kabuli_Chr07	NC_021166.1	41252138	CC	TT	TT	INTERGENIC		
SNP_35772B_41252242	Ca_Kabuli_Chr07	NC_021166.1	41252242	CC	TT	TT	INTERGENIC		
SNP_35773B_41252245	Ca_Kabuli_Chr07	NC_021166.1	41252245	GG	AA	AA	INTERGENIC		
SNP_35775B_41252636	Ca_Kabuli_Chr07	NC_021166.1	41252636	CC	TT	TT	INTERGENIC		
SNP_35776B_41282709	Ca_Kabuli_Chr07	NC_021166.1	41282709	TT	CC	CC	INTERGENIC		
SNP_35777B_41282755	Ca_Kabuli_Chr07	NC_021166.1	41282755	GG	AA	AA	INTERGENIC		
SNP_35778B_41282889	Ca_Kabuli_Chr07	NC_021166.1	41282889	CC	TT	TT	INTERGENIC		
SNP_35779B_41282937	Ca_Kabuli_Chr07	NC_021166.1	41282937	TT	GG	GG	INTERGENIC		
SNP_35780B_41282942	Ca_Kabuli_Chr07	NC_021166.1	41282942	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_35781B_41297024	Ca_Kabuli_Chr07	NC_021166.1	41297024	TT	CC	CC	INTERGENIC		
SNP_35782B_41309428	Ca_Kabuli_Chr07	NC_021166.1	41309428	GG	AA	AA	INTERGENIC		
SNP_35783B_41309461	Ca_Kabuli_Chr07	NC_021166.1	41309461	TT	CC	CC	INTERGENIC		
SNP_35784B_41322197	Ca_Kabuli_Chr07	NC_021166.1	41322197	GG	AA	AA	INTERGENIC		
SNP_35785B_41322221	Ca_Kabuli_Chr07	NC_021166.1	41322221	GG	AA	AA	INTERGENIC		
SNP_35786B_41322572	Ca_Kabuli_Chr07	NC_021166.1	41322572	TT	CC	CC	INTERGENIC		
SNP_35787B_41323041	Ca_Kabuli_Chr07	NC_021166.1	41323041	CC	TT	TT	INTERGENIC		
SNP_35788B_41323058	Ca_Kabuli_Chr07	NC_021166.1	41323058	CC	TT	TT	INTERGENIC		
SNP_35789B_41338963	Ca_Kabuli_Chr07	NC_021166.1	41338963	AA	CC	CC	INTRON	101512903	probable ADP-ribosylation factor GTPase-activating protein AGD11
SNP_35790B_41413971	Ca_Kabuli_Chr07	NC_021166.1	41413971	AA	GG	GG	INTERGENIC		
SNP_35791B_41413974	Ca_Kabuli_Chr07	NC_021166.1	41413974	GG	CC	CC	INTERGENIC		
SNP_35792B_41427942	Ca_Kabuli_Chr07	NC_021166.1	41427942	TT	GG	GG	INTERGENIC		
SNP_35793B_41428121	Ca_Kabuli_Chr07	NC_021166.1	41428121	TT	CC	CC	INTERGENIC		
SNP_35794B_41428801	Ca_Kabuli_Chr07	NC_021166.1	41428801	AA	GG	GG	INTERGENIC		
SNP_35796B_41612299	Ca_Kabuli_Chr07	NC_021166.1	41612299	TT	GG	GG	INTERGENIC		
SNP_35797B_41612377	Ca_Kabuli_Chr07	NC_021166.1	41612377	AA	GG	GG	INTERGENIC		
SNP_35798B_41612673	Ca_Kabuli_Chr07	NC_021166.1	41612673	TT	AA	AA	INTERGENIC		
SNP_35799B_41659708	Ca_Kabuli_Chr07	NC_021166.1	41659708	TT	CC	CC	INTRON	101488249	DNA-directed RNA polymerase V subunit 1
SNP_35800B_41724298	Ca_Kabuli_Chr07	NC_021166.1	41724298	AA	GG	GG	INTERGENIC		
SNP_35801B_41724339	Ca_Kabuli_Chr07	NC_021166.1	41724339	GG	AA	AA	INTERGENIC		
SNP_35802B_41735840	Ca_Kabuli_Chr07	NC_021166.1	41735840	AA	CC	CC	INTERGENIC		
SNP_35803B_41735880	Ca_Kabuli_Chr07	NC_021166.1	41735880	CC	GG	GG	INTERGENIC		
SNP_35804B_41735886	Ca_Kabuli_Chr07	NC_021166.1	41735886	TT	GG	GG	INTERGENIC		
SNP_35805B_41735893	Ca_Kabuli_Chr07	NC_021166.1	41735893	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_35807B_41806330	Ca_Kabuli_Chr07	NC_021166.1	41806330	TT	GG	GG	INTERGENIC		
SNP_35808B_41806348	Ca_Kabuli_Chr07	NC_021166.1	41806348	CC	TT	TT	INTERGENIC		
SNP_35809B_41948621	Ca_Kabuli_Chr07	NC_021166.1	41948621	AA	GG	GG	INTERGENIC		
SNP_35810B_41958285	Ca_Kabuli_Chr07	NC_021166.1	41958285	AA	GG	GG	INTERGENIC		
SNP_35811B_41986061	Ca_Kabuli_Chr07	NC_021166.1	41986061	GG	TT	TT	INTERGENIC		
SNP_35812B_42092632	Ca_Kabuli_Chr07	NC_021166.1	42092632	AA	GG	GG	INTERGENIC		
SNP_35813B_42092652	Ca_Kabuli_Chr07	NC_021166.1	42092652	GG	CC	CC	INTERGENIC		
SNP_35814B_42092700	Ca_Kabuli_Chr07	NC_021166.1	42092700	CC	TT	TT	INTERGENIC		
SNP_35815B_42092701	Ca_Kabuli_Chr07	NC_021166.1	42092701	AA	GG	GG	INTERGENIC		
SNP_35816B_42092708	Ca_Kabuli_Chr07	NC_021166.1	42092708	CC	TT	TT	INTERGENIC		
SNP_35817B_42092733	Ca_Kabuli_Chr07	NC_021166.1	42092733	AA	CC	CC	INTERGENIC		
SNP_35818B_42205952	Ca_Kabuli_Chr07	NC_021166.1	42205952	CC	TT	TT	INTERGENIC		
SNP_35819B_42307564	Ca_Kabuli_Chr07	NC_021166.1	42307564	GG	AA	AA	INTERGENIC		
SNP_35820B_42344727	Ca_Kabuli_Chr07	NC_021166.1	42344727	AA	CC	CC	INTERGENIC		
SNP_35821B_42344765	Ca_Kabuli_Chr07	NC_021166.1	42344765	AA	GG	GG	INTERGENIC		
SNP_35822B_42344801	Ca_Kabuli_Chr07	NC_021166.1	42344801	AA	GG	GG	INTERGENIC		
SNP_35823B_42344815	Ca_Kabuli_Chr07	NC_021166.1	42344815	TT	CC	CC	INTERGENIC		
SNP_35824B_42344960	Ca_Kabuli_Chr07	NC_021166.1	42344960	GG	TT	TT	INTERGENIC		
SNP_35825B_42345084	Ca_Kabuli_Chr07	NC_021166.1	42345084	AA	TT	TT	INTERGENIC		
SNP_35826B_42345086	Ca_Kabuli_Chr07	NC_021166.1	42345086	GG	AA	AA	INTERGENIC		
SNP_35827B_42352144	Ca_Kabuli_Chr07	NC_021166.1	42352144	CC	GG	GG	INTERGENIC		
SNP_35828B_42352201	Ca_Kabuli_Chr07	NC_021166.1	42352201	AA	CC	CC	INTERGENIC		
SNP_35829B_42356367	Ca_Kabuli_Chr07	NC_021166.1	42356367	AA	GG	GG	INTERGENIC		
SNP_35830B_42356374	Ca_Kabuli_Chr07	NC_021166.1	42356374	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_35831B_42356413	Ca_Kabuli_Chr07	NC_021166.1	42356413	GG	CC	CC	INTERGENIC		
SNP_35832B_42356427	Ca_Kabuli_Chr07	NC_021166.1	42356427	GG	TT	TT	INTERGENIC		
SNP_35834B_42356445	Ca_Kabuli_Chr07	NC_021166.1	42356445	GG	AA	AA	INTERGENIC		
SNP_35836B_42356758	Ca_Kabuli_Chr07	NC_021166.1	42356758	CC	TT	TT	INTERGENIC		
SNP_35837B_42357046	Ca_Kabuli_Chr07	NC_021166.1	42357046	AA	GG	GG	INTERGENIC		
SNP_35838B_42357055	Ca_Kabuli_Chr07	NC_021166.1	42357055	GG	AA	AA	INTERGENIC		
SNP_35839B_42357087	Ca_Kabuli_Chr07	NC_021166.1	42357087	GG	AA	AA	INTERGENIC		
SNP_35840B_42358193	Ca_Kabuli_Chr07	NC_021166.1	42358193	TT	GG	GG	INTERGENIC		
SNP_35841B_42358220	Ca_Kabuli_Chr07	NC_021166.1	42358220	GG	TT	TT	INTERGENIC		
SNP_35842B_42358280	Ca_Kabuli_Chr07	NC_021166.1	42358280	AA	GG	GG	INTERGENIC		
SNP_35843B_42358339	Ca_Kabuli_Chr07	NC_021166.1	42358339	AA	GG	GG	INTERGENIC		
SNP_35845B_42358593	Ca_Kabuli_Chr07	NC_021166.1	42358593	GG	AA	AA	INTERGENIC		
SNP_35846B_42384580	Ca_Kabuli_Chr07	NC_021166.1	42384580	TT	CC	CC	INTRON	101505500	uncharacterized LOC101505500
SNP_35847B_42384635	Ca_Kabuli_Chr07	NC_021166.1	42384635	TT	AA	AA	INTRON	101505500	uncharacterized LOC101505500
SNP_35849B_42385007	Ca_Kabuli_Chr07	NC_021166.1	42385007	CC	AA	AA	INTRON	101505500	uncharacterized LOC101505500
SNP_35850B_42385073	Ca_Kabuli_Chr07	NC_021166.1	42385073	AA	GG	GG	INTRON	101505500	uncharacterized LOC101505500
SNP_35851B_42392972	Ca_Kabuli_Chr07	NC_021166.1	42392972	GG	AA	AA	INTRON	101505500	uncharacterized LOC101505500
SNP_35852B_42393066	Ca_Kabuli_Chr07	NC_021166.1	42393066	GG	TT	AA	INTRON	101505500	uncharacterized LOC101505500
SNP_35853B_42393111	Ca_Kabuli_Chr07	NC_021166.1	42393111	TT	CC	CC	INTRON	101505500	uncharacterized LOC101505500
SNP_35854B_42393133	Ca_Kabuli_Chr07	NC_021166.1	42393133	GG	AA	AA	INTRON	101505500	uncharacterized LOC101505500
SNP_35855B_42393162	Ca_Kabuli_Chr07	NC_021166.1	42393162	TT	AA	AA	INTRON	101505500	uncharacterized LOC101505500
SNP_35856B_42393193	Ca_Kabuli_Chr07	NC_021166.1	42393193	AA	GG	GG	INTRON	101505500	uncharacterized LOC101505500
SNP_35857B_42399197	Ca_Kabuli_Chr07	NC_021166.1	42399197	AA	GG	GG	URR	101505500	uncharacterized LOC101505500
SNP_35858B_42399227	Ca_Kabuli_Chr07	NC_021166.1	42399227	GG	AA	AA	URR	101505500	uncharacterized LOC101505500

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SNP_35859B_42399249	Ca_Kabuli_Chr07	NC_021166.1	42399249	GG	AA	AA	URR	101505500	uncharacterized LOC101505500
SNP_35860B_42399500	Ca_Kabuli_Chr07	NC_021166.1	42399500	TT	CC	CC	URR	101505500	uncharacterized LOC101505500
SNP_35861B_42404629	Ca_Kabuli_Chr07	NC_021166.1	42404629	TT	CC	CC	INTERGENIC		
SNP_35862B_42410667	Ca_Kabuli_Chr07	NC_021166.1	42410667	TT	CC	CC	INTERGENIC		
SNP_35863B_42427832	Ca_Kabuli_Chr07	NC_021166.1	42427832	TT	CC	CC	INTERGENIC		
SNP_35864B_42428125	Ca_Kabuli_Chr07	NC_021166.1	42428125	GG	AA	AA	INTERGENIC		
SNP_35865B_42441634	Ca_Kabuli_Chr07	NC_021166.1	42441634	AA	CC	CC	INTERGENIC		
SNP_35866B_42458474	Ca_Kabuli_Chr07	NC_021166.1	42458474	GG	AA	AA	INTERGENIC		
SNP_35867B_42458486	Ca_Kabuli_Chr07	NC_021166.1	42458486	AA	GG	GG	INTERGENIC		
SNP_35868B_42459709	Ca_Kabuli_Chr07	NC_021166.1	42459709	AA	CC	CC	INTERGENIC		
SNP_35869B_42459735	Ca_Kabuli_Chr07	NC_021166.1	42459735	TT	GG	GG	INTERGENIC		
SNP_35870B_42459736	Ca_Kabuli_Chr07	NC_021166.1	42459736	AA	GG	GG	INTERGENIC		
SNP_35871B_42459762	Ca_Kabuli_Chr07	NC_021166.1	42459762	AA	GG	GG	INTERGENIC		
SNP_35872B_42459775	Ca_Kabuli_Chr07	NC_021166.1	42459775	TT	AA	AA	INTERGENIC		
SNP_35873B_42459781	Ca_Kabuli_Chr07	NC_021166.1	42459781	GG	AA	AA	INTERGENIC		
SNP_35874B_42461748	Ca_Kabuli_Chr07	NC_021166.1	42461748	CC	GG	GG	INTERGENIC		
SNP_35875B_42472808	Ca_Kabuli_Chr07	NC_021166.1	42472808	GG	TT	TT	DRR	101514529	heme-binding protein 2-like
SNP_35876B_42472964	Ca_Kabuli_Chr07	NC_021166.1	42472964	TT	CC	CC	DRR	101514529	heme-binding protein 2-like
SNP_35877B_42473067	Ca_Kabuli_Chr07	NC_021166.1	42473067	TT	GG	GG	DRR	101514529	heme-binding protein 2-like
SNP_35878B_42473191	Ca_Kabuli_Chr07	NC_021166.1	42473191	TT	GG	GG	DRR	101514529	heme-binding protein 2-like
SNP_35879B_42473442	Ca_Kabuli_Chr07	NC_021166.1	42473442	TT	CC	CC	STOP_LOST	101514529	heme-binding protein 2-like
SNP_35880B_42473528	Ca_Kabuli_Chr07	NC_021166.1	42473528	TT	GG	GG	INTRON	101514529	heme-binding protein 2-like
SNP_35881B_42473536	Ca_Kabuli_Chr07	NC_021166.1	42473536	TT	CC	CC	INTRON	101514529	heme-binding protein 2-like
SNP_35882B_42473602	Ca_Kabuli_Chr07	NC_021166.1	42473602	CC	GG	GG	INTRON	101514529	heme-binding protein 2-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_35883B_42473776	Ca_Kabuli_Chr07	NC_021166.1	42473776	TT	CC	CC	INTRON	101514529	heme-binding protein 2-like
SNP_35884B_42473864	Ca_Kabuli_Chr07	NC_021166.1	42473864	CC	TT	TT	INTRON	101514529	heme-binding protein 2-like
SNP_35885B_42473865	Ca_Kabuli_Chr07	NC_021166.1	42473865	AA	GG	GG	INTRON	101514529	heme-binding protein 2-like
SNP_35886B_42474661	Ca_Kabuli_Chr07	NC_021166.1	42474661	GG	CC	CC	URR	101514529	heme-binding protein 2-like
SNP_35887B_42474701	Ca_Kabuli_Chr07	NC_021166.1	42474701	CC	TT	TT	URR	101514529	heme-binding protein 2-like
SNP_35888B_42474939	Ca_Kabuli_Chr07	NC_021166.1	42474939	TT	AA	AA	URR	101514529	heme-binding protein 2-like
SNP_35889B_42474957	Ca_Kabuli_Chr07	NC_021166.1	42474957	AA	GG	GG	URR	101514529	heme-binding protein 2-like
SNP_35890B_42474960	Ca_Kabuli_Chr07	NC_021166.1	42474960	AA	TT	TT	URR	101514529	heme-binding protein 2-like
SNP_35891B_42475009	Ca_Kabuli_Chr07	NC_021166.1	42475009	AA	TT	TT	URR	101514529	heme-binding protein 2-like
SNP_35892B_42475018	Ca_Kabuli_Chr07	NC_021166.1	42475018	TT	AA	AA	URR	101514529	heme-binding protein 2-like
SNP_35893B_42475246	Ca_Kabuli_Chr07	NC_021166.1	42475246	TT	CC	CC	URR	101514529	heme-binding protein 2-like
SNP_35894B_42475278	Ca_Kabuli_Chr07	NC_021166.1	42475278	TT	CC	CC	URR	101514529	heme-binding protein 2-like
SNP_35895B_42475361	Ca_Kabuli_Chr07	NC_021166.1	42475361	GG	CC	CC	URR	101514529	heme-binding protein 2-like
SNP_35896B_42475373	Ca_Kabuli_Chr07	NC_021166.1	42475373	GG	AA	AA	URR	101514529	heme-binding protein 2-like
SNP_35897B_42475390	Ca_Kabuli_Chr07	NC_021166.1	42475390	TT	AA	AA	URR	101514529	heme-binding protein 2-like
SNP_35898B_42475442	Ca_Kabuli_Chr07	NC_021166.1	42475442	GG	AA	AA	URR	101514529	heme-binding protein 2-like
SNP_35899B_42475444	Ca_Kabuli_Chr07	NC_021166.1	42475444	AA	TT	TT	URR	101514529	heme-binding protein 2-like
SNP_35900B_42475571	Ca_Kabuli_Chr07	NC_021166.1	42475571	CC	GG	GG	URR	101514529	heme-binding protein 2-like
SNP_35901B_42475693	Ca_Kabuli_Chr07	NC_021166.1	42475693	AA	GG	GG	URR	101514529	heme-binding protein 2-like
SNP_35902B_42475738	Ca_Kabuli_Chr07	NC_021166.1	42475738	GG	TT	TT	URR	101514529	heme-binding protein 2-like
SNP_35903B_42475747	Ca_Kabuli_Chr07	NC_021166.1	42475747	TT	CC	CC	URR	101514529	heme-binding protein 2-like
SNP_35904B_42475750	Ca_Kabuli_Chr07	NC_021166.1	42475750	TT	GG	GG	URR	101514529	heme-binding protein 2-like
SNP_35905B_42475773	Ca_Kabuli_Chr07	NC_021166.1	42475773	TT	AA	AA	URR	101514529	heme-binding protein 2-like
SNP_35906B_42475776	Ca_Kabuli_Chr07	NC_021166.1	42475776	CC	GG	GG	URR	101514529	heme-binding protein 2-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_35907B_42475831	Ca_Kabuli_Chr07	NC_021166.1	42475831	GG	AA	AA	URR	101514529	heme-binding protein 2-like
SNP_35908B_42475863	Ca_Kabuli_Chr07	NC_021166.1	42475863	CC	AA	AA	URR	101514529	heme-binding protein 2-like
SNP_35909B_42475887	Ca_Kabuli_Chr07	NC_021166.1	42475887	GG	AA	AA	URR	101514529	heme-binding protein 2-like
SNP_35910B_42475889	Ca_Kabuli_Chr07	NC_021166.1	42475889	CC	AA	AA	URR	101514529	heme-binding protein 2-like
SNP_35911B_42475891	Ca_Kabuli_Chr07	NC_021166.1	42475891	AA	GG	GG	URR	101514529	heme-binding protein 2-like
SNP_35912B_42475934	Ca_Kabuli_Chr07	NC_021166.1	42475934	CC	GG	GG	URR	101514529	heme-binding protein 2-like
SNP_35913B_42475975	Ca_Kabuli_Chr07	NC_021166.1	42475975	CC	GG	GG	URR	101514529	heme-binding protein 2-like
SNP_35914B_42475988	Ca_Kabuli_Chr07	NC_021166.1	42475988	GG	AA	AA	URR	101514529	heme-binding protein 2-like
SNP_35915B_42476051	Ca_Kabuli_Chr07	NC_021166.1	42476051	TT	GG	GG	URR	101514529	heme-binding protein 2-like
SNP_35916B_42476153	Ca_Kabuli_Chr07	NC_021166.1	42476153	CC	TT	TT	URR	101514529	heme-binding protein 2-like
SNP_35917B_42476155	Ca_Kabuli_Chr07	NC_021166.1	42476155	GG	TT	TT	URR	101514529	heme-binding protein 2-like
SNP_35918B_42476198	Ca_Kabuli_Chr07	NC_021166.1	42476198	CC	TT	TT	URR	101514529	heme-binding protein 2-like
SNP_35919B_42476201	Ca_Kabuli_Chr07	NC_021166.1	42476201	GG	AA	AA	URR	101514529	heme-binding protein 2-like
SNP_35920B_42476217	Ca_Kabuli_Chr07	NC_021166.1	42476217	CC	TT	TT	URR	101514529	heme-binding protein 2-like
SNP_35921B_42476252	Ca_Kabuli_Chr07	NC_021166.1	42476252	GG	CC	CC	URR	101514529	heme-binding protein 2-like
SNP_35922B_42476319	Ca_Kabuli_Chr07	NC_021166.1	42476319	TT	AA	AA	URR	101514529	heme-binding protein 2-like
SNP_35923B_42497703	Ca_Kabuli_Chr07	NC_021166.1	42497703	GG	AA	AA	INTERGENIC		
SNP_35924B_42529888	Ca_Kabuli_Chr07	NC_021166.1	42529888	TT	GG	GG	INTRON	101506481	heme-binding protein 2-like
SNP_35925B_42541372	Ca_Kabuli_Chr07	NC_021166.1	42541372	AA	GG	GG	INTERGENIC		
SNP_35926B_42558144	Ca_Kabuli_Chr07	NC_021166.1	42558144	TT	GG	GG	INTERGENIC		
SNP_35927B_42558164	Ca_Kabuli_Chr07	NC_021166.1	42558164	CC	TT	TT	INTERGENIC		
SNP_35928B_42558177	Ca_Kabuli_Chr07	NC_021166.1	42558177	GG	CC	CC	INTERGENIC		
SNP_35929B_42582897	Ca_Kabuli_Chr07	NC_021166.1	42582897	GG	AA	AA	URR	101515496	uncharacterized LOC101515496
SNP_35930B_42583319	Ca_Kabuli_Chr07	NC_021166.1	42583319	CC	TT	TT	URR	101515496	uncharacterized LOC101515496

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_35931B_42583322	Ca_Kabuli_Chr07	NC_021166.1	42583322	AA	TT	TT	URR	101515496	uncharacterized LOC101515496
SNP_35932B_42589454	Ca_Kabuli_Chr07	NC_021166.1	42589454	GG	TT	TT	INTERGENIC		
SNP_35933B_42589474	Ca_Kabuli_Chr07	NC_021166.1	42589474	CC	TT	TT	INTERGENIC		
SNP_35934B_42640168	Ca_Kabuli_Chr07	NC_021166.1	42640168	AA	GG	GG	URR	101510003	40S ribosomal protein S19-3
SNP_35935B_42640169	Ca_Kabuli_Chr07	NC_021166.1	42640169	AA	CC	CC	URR	101510003	40S ribosomal protein S19-3
SNP_35936B_42651825	Ca_Kabuli_Chr07	NC_021166.1	42651825	GG	AA	AA	INTERGENIC		
SNP_35938B_42744025	Ca_Kabuli_Chr07	NC_021166.1	42744025	AA	TT	TT	INTRON	101489570	Unknown function
SNP_35939B_42746594	Ca_Kabuli_Chr07	NC_021166.1	42746594	AA	CC	CC	NON_SYNONYMOUS_CODING	101489570	Unknown function
SNP_35940B_42746616	Ca_Kabuli_Chr07	NC_021166.1	42746616	TT	GG	GG	INTRON	101489570	Unknown function
SNP_35941B_42746633	Ca_Kabuli_Chr07	NC_021166.1	42746633	CC	TT	TT	INTRON	101489570	Unknown function
SNP_35942B_42746652	Ca_Kabuli_Chr07	NC_021166.1	42746652	GG	AA	AA	INTRON	101489570	Unknown function
SNP_35943B_42746663	Ca_Kabuli_Chr07	NC_021166.1	42746663	GG	AA	AA	INTRON	101489570	Unknown function
SNP_35944B_42746720	Ca_Kabuli_Chr07	NC_021166.1	42746720	TT	CC	CC	NON_SYNONYMOUS_CODING	101489570	Unknown function
SNP_35945B_42746918	Ca_Kabuli_Chr07	NC_021166.1	42746918	TT	CC	CC	INTRON	101489570	Unknown function
SNP_35946B_42746979	Ca_Kabuli_Chr07	NC_021166.1	42746979	GG	TT	TT	INTRON	101489570	Unknown function
SNP_35947B_42746993	Ca_Kabuli_Chr07	NC_021166.1	42746993	TT	CC	CC	INTRON	101489570	Unknown function
SNP_35948B_42747075	Ca_Kabuli_Chr07	NC_021166.1	42747075	AA	GG	GG	NON_SYNONYMOUS_CODING	101489570	Unknown function
SNP_35950B_42778468	Ca_Kabuli_Chr07	NC_021166.1	42778468	CC	TT	TT	INTERGENIC		
SNP_35951B_42779249	Ca_Kabuli_Chr07	NC_021166.1	42779249	CC	TT	TT	INTERGENIC		
SNP_35952B_42832397	Ca_Kabuli_Chr07	NC_021166.1	42832397	CC	TT	TT	DRR	101511501	uncharacterized LOC101511501
SNP_35953B_42832433	Ca_Kabuli_Chr07	NC_021166.1	42832433	CC	TT	TT	DRR	101511501	uncharacterized LOC101511501
SNP_35954B_42832435	Ca_Kabuli_Chr07	NC_021166.1	42832435	TT	GG	GG	DRR	101511501	uncharacterized LOC101511501
SNP_35955B_42832449	Ca_Kabuli_Chr07	NC_021166.1	42832449	GG	AA	AA	DRR	101511501	uncharacterized LOC101511501
SNP_35956B_42832481	Ca_Kabuli_Chr07	NC_021166.1	42832481	GG	TT	TT	DRR	101511501	uncharacterized LOC101511501

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_35958B_42833041	Ca_Kabuli_Chr07	NC_021166.1	42833041	CC	TT	TT	INTERGENIC		
SNP_35959B_42833078	Ca_Kabuli_Chr07	NC_021166.1	42833078	CC	TT	TT	INTERGENIC		
SNP_35960B_42833080	Ca_Kabuli_Chr07	NC_021166.1	42833080	TT	GG	GG	INTERGENIC		
SNP_35961B_42837269	Ca_Kabuli_Chr07	NC_021166.1	42837269	AA	TT	TT	URR	101511501	uncharacterized LOC101511501
SNP_35962B_42847270	Ca_Kabuli_Chr07	NC_021166.1	42847270	GG	CC	CC	INTERGENIC		
SNP_35963B_42847285	Ca_Kabuli_Chr07	NC_021166.1	42847285	GG	CC	CC	INTERGENIC		
SNP_35964B_42848296	Ca_Kabuli_Chr07	NC_021166.1	42848296	AA	TT	TT	INTERGENIC		
SNP_35965B_42848607	Ca_Kabuli_Chr07	NC_021166.1	42848607	CC	TT	TT	INTERGENIC		
SNP_35966B_42848610	Ca_Kabuli_Chr07	NC_021166.1	42848610	TT	CC	CC	INTERGENIC		
SNP_35967B_42901811	Ca_Kabuli_Chr07	NC_021166.1	42901811	TT	CC	CC	INTERGENIC		
SNP_35968B_42915851	Ca_Kabuli_Chr07	NC_021166.1	42915851	GG	AA	AA	INTERGENIC		
SNP_35969B_42918431	Ca_Kabuli_Chr07	NC_021166.1	42918431	CC	TT	TT	INTERGENIC		
SNP_35970B_42918632	Ca_Kabuli_Chr07	NC_021166.1	42918632	AA	GG	GG	INTERGENIC		
SNP_35972B_42923141	Ca_Kabuli_Chr07	NC_021166.1	42923141	AA	GG	GG	INTERGENIC		
SNP_35973B_42931056	Ca_Kabuli_Chr07	NC_021166.1	42931056	AA	TT	TT	INTERGENIC		
SNP_35975B_42978680	Ca_Kabuli_Chr07	NC_021166.1	42978680	CC	TT	TT	INTERGENIC		
SNP_35976B_43032421	Ca_Kabuli_Chr07	NC_021166.1	43032421	GG	AA	AA	NON_SYNONYMOUS_CODING	101492141	uncharacterized LOC101492141
SNP_35977B_43208225	Ca_Kabuli_Chr07	NC_021166.1	43208225	CC	TT	TT	INTERGENIC		
SNP_35978B_43208347	Ca_Kabuli_Chr07	NC_021166.1	43208347	CC	AA	AA	INTERGENIC		
SNP_35980B_43209304	Ca_Kabuli_Chr07	NC_021166.1	43209304	TT	CC	CC	INTERGENIC		
SNP_35981B_43210166	Ca_Kabuli_Chr07	NC_021166.1	43210166	AA	CC	CC	INTERGENIC		
SNP_35982B_43210597	Ca_Kabuli_Chr07	NC_021166.1	43210597	AA	GG	GG	INTERGENIC		
SNP_35983B_43210967	Ca_Kabuli_Chr07	NC_021166.1	43210967	CC	TT	TT	INTERGENIC		
SNP_35984B_43240936	Ca_Kabuli_Chr07	NC_021166.1	43240936	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_35985B_43248277	Ca_Kabuli_Chr07	NC_021166.1	43248277	GG	AA	AA	INTERGENIC		
SNP_35987B_43262351	Ca_Kabuli_Chr07	NC_021166.1	43262351	GG	TT	TT	INTERGENIC		
SNP_35988B_43289195	Ca_Kabuli_Chr07	NC_021166.1	43289195	TT	AA	AA	INTERGENIC		
SNP_35989B_43290737	Ca_Kabuli_Chr07	NC_021166.1	43290737	GG	AA	AA	INTERGENIC		
SNP_35990B_43290757	Ca_Kabuli_Chr07	NC_021166.1	43290757	TT	CC	CC	INTERGENIC		
SNP_35992B_43375617	Ca_Kabuli_Chr07	NC_021166.1	43375617	GG	AA	AA	INTERGENIC		
SNP_35993B_43381021	Ca_Kabuli_Chr07	NC_021166.1	43381021	CC	AA	AA	INTERGENIC		
SNP_35994B_43435069	Ca_Kabuli_Chr07	NC_021166.1	43435069	AA	GG	GG	URR	101500169	uncharacterized LOC101500169
SNP_35995B_43449090	Ca_Kabuli_Chr07	NC_021166.1	43449090	GG	AA	AA	INTERGENIC		
SNP_35996B_43449100	Ca_Kabuli_Chr07	NC_021166.1	43449100	CC	TT	TT	INTERGENIC		
SNP_35997B_43483233	Ca_Kabuli_Chr07	NC_021166.1	43483233	TT	GG	GG	INTERGENIC		
SNP_35998B_43485017	Ca_Kabuli_Chr07	NC_021166.1	43485017	GG	AA	AA	INTERGENIC		
SNP_35999B_43504626	Ca_Kabuli_Chr07	NC_021166.1	43504626	TT	CC	CC	INTERGENIC		
SNP_36000B_43504911	Ca_Kabuli_Chr07	NC_021166.1	43504911	TT	CC	CC	INTERGENIC		
SNP_36001B_43504946	Ca_Kabuli_Chr07	NC_021166.1	43504946	AA	GG	GG	INTERGENIC		
SNP_36002B_43530546	Ca_Kabuli_Chr07	NC_021166.1	43530546	GG	AA	AA	INTERGENIC		
SNP_36003B_43624913	Ca_Kabuli_Chr07	NC_021166.1	43624913	AA	TT	TT	INTRON	101501130	probable polygalacturonase At3g15720
SNP_36004B_43625228	Ca_Kabuli_Chr07	NC_021166.1	43625228	AA	GG	GG	INTRON	101501130	probable polygalacturonase At3g15720
SNP_36005B_43654590	Ca_Kabuli_Chr07	NC_021166.1	43654590	AA	GG	GG	INTERGENIC		
SNP_36006B_43685580	Ca_Kabuli_Chr07	NC_021166.1	43685580	TT	GG	GG	INTERGENIC		
SNP_36007B_43685600	Ca_Kabuli_Chr07	NC_021166.1	43685600	TT	GG	GG	INTERGENIC		
SNP_36008B_43693049	Ca_Kabuli_Chr07	NC_021166.1	43693049	GG	AA	AA	INTERGENIC		
SNP_36009B_43693154	Ca_Kabuli_Chr07	NC_021166.1	43693154	GG	AA	AA	INTERGENIC		
SNP_36010B_43693175	Ca_Kabuli_Chr07	NC_021166.1	43693175	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_36011B_43693181	Ca_Kabuli_Chr07	NC_021166.1	43693181	GG	CC	CC	INTERGENIC		
SNP_36012B_43705065	Ca_Kabuli_Chr07	NC_021166.1	43705065	TT	CC	CC	INTERGENIC		
SNP_36013B_43705135	Ca_Kabuli_Chr07	NC_021166.1	43705135	CC	AA	AA	INTERGENIC		
SNP_36014B_43705431	Ca_Kabuli_Chr07	NC_021166.1	43705431	CC	TT	TT	INTERGENIC		
SNP_36015B_43705465	Ca_Kabuli_Chr07	NC_021166.1	43705465	CC	TT	TT	INTERGENIC		
SNP_36016B_43705467	Ca_Kabuli_Chr07	NC_021166.1	43705467	CC	TT	TT	INTERGENIC		
SNP_36017B_43715279	Ca_Kabuli_Chr07	NC_021166.1	43715279	TT	CC	CC	INTERGENIC		
SNP_36018B_43736102	Ca_Kabuli_Chr07	NC_021166.1	43736102	AA	TT	TT	INTERGENIC		
SNP_36019B_43736219	Ca_Kabuli_Chr07	NC_021166.1	43736219	GG	AA	AA	INTERGENIC		
SNP_36020B_43737525	Ca_Kabuli_Chr07	NC_021166.1	43737525	AA	CC	CC	INTERGENIC		
SNP_36021B_43737731	Ca_Kabuli_Chr07	NC_021166.1	43737731	AA	GG	GG	INTERGENIC		
SNP_36022B_43748287	Ca_Kabuli_Chr07	NC_021166.1	43748287	GG	AA	AA	URR	101502082	uncharacterized LOC101502082
SNP_36023B_43771759	Ca_Kabuli_Chr07	NC_021166.1	43771759	TT	GG	GG	NON_SYNONYMOUS_CODING	101506812	uncharacterized LOC101506812
SNP_36024B_43780659	Ca_Kabuli_Chr07	NC_021166.1	43780659	AA	GG	GG	INTERGENIC		
SNP_36025B_43780902	Ca_Kabuli_Chr07	NC_021166.1	43780902	AA	GG	GG	INTERGENIC		
SNP_36026B_43780934	Ca_Kabuli_Chr07	NC_021166.1	43780934	CC	TT	TT	INTERGENIC		
SNP_36027B_43786802	Ca_Kabuli_Chr07	NC_021166.1	43786802	AA	GG	GG	URR	101507149	uncharacterized LOC101507149
SNP_36028B_43838576	Ca_Kabuli_Chr07	NC_021166.1	43838576	AA	TT	TT	INTERGENIC		
SNP_36029B_43838679	Ca_Kabuli_Chr07	NC_021166.1	43838679	AA	GG	GG	INTERGENIC		
SNP_36030B_43840377	Ca_Kabuli_Chr07	NC_021166.1	43840377	CC	TT	TT	INTERGENIC		
SNP_36031B_43840433	Ca_Kabuli_Chr07	NC_021166.1	43840433	GG	AA	AA	INTERGENIC		
SNP_36032B_43922181	Ca_Kabuli_Chr07	NC_021166.1	43922181	CC	TT	TT	INTERGENIC		
SNP_36033B_43975226	Ca_Kabuli_Chr07	NC_021166.1	43975226	TT	AA	AA	DRR	101508721	uncharacterized LOC101508721
SNP_36034B_43993554	Ca_Kabuli_Chr07	NC_021166.1	43993554	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_36035B_43993877	Ca_Kabuli_Chr07	NC_021166.1	43993877	CC	GG	GG	INTERGENIC		
SNP_36036B_43993895	Ca_Kabuli_Chr07	NC_021166.1	43993895	GG	TT	TT	INTERGENIC		
SNP_36037B_44001103	Ca_Kabuli_Chr07	NC_021166.1	44001103	AA	GG	GG	INTERGENIC		
SNP_36039B_44001256	Ca_Kabuli_Chr07	NC_021166.1	44001256	CC	TT	TT	INTERGENIC		
SNP_36040B_44001417	Ca_Kabuli_Chr07	NC_021166.1	44001417	CC	AA	AA	INTERGENIC		
SNP_36041B_44001427	Ca_Kabuli_Chr07	NC_021166.1	44001427	GG	AA	AA	INTERGENIC		
SNP_36042B_44001431	Ca_Kabuli_Chr07	NC_021166.1	44001431	CC	TT	TT	INTERGENIC		
SNP_36044B_44001626	Ca_Kabuli_Chr07	NC_021166.1	44001626	AA	TT	TT	INTERGENIC		
SNP_36045B_44001968	Ca_Kabuli_Chr07	NC_021166.1	44001968	GG	AA	AA	INTERGENIC		
SNP_36046B_44002223	Ca_Kabuli_Chr07	NC_021166.1	44002223	TT	AA	AA	INTERGENIC		
SNP_36047B_44002291	Ca_Kabuli_Chr07	NC_021166.1	44002291	AA	CC	CC	INTERGENIC		
SNP_36048B_44076016	Ca_Kabuli_Chr07	NC_021166.1	44076016	CC	AA	AA	INTERGENIC		
SNP_36049B_44150066	Ca_Kabuli_Chr07	NC_021166.1	44150066	GG	AA	AA	INTERGENIC		
SNP_36052B_44150903	Ca_Kabuli_Chr07	NC_021166.1	44150903	AA	TT	TT	INTERGENIC		
SNP_36053B_44186806	Ca_Kabuli_Chr07	NC_021166.1	44186806	GG	TT	TT	INTERGENIC		
SNP_36054B_44186809	Ca_Kabuli_Chr07	NC_021166.1	44186809	TT	GG	GG	INTERGENIC		
SNP_36055B_44186829	Ca_Kabuli_Chr07	NC_021166.1	44186829	GG	AA	AA	INTERGENIC		
SNP_36056B_44213826	Ca_Kabuli_Chr07	NC_021166.1	44213826	AA	GG	GG	INTERGENIC		
SNP_36057B_44213889	Ca_Kabuli_Chr07	NC_021166.1	44213889	AA	TT	TT	INTERGENIC		
SNP_36058B_44214117	Ca_Kabuli_Chr07	NC_021166.1	44214117	AA	GG	GG	INTERGENIC		
SNP_36059B_44214125	Ca_Kabuli_Chr07	NC_021166.1	44214125	AA	GG	GG	INTERGENIC		
SNP_36060B_44214294	Ca_Kabuli_Chr07	NC_021166.1	44214294	CC	AA	AA	INTERGENIC		
SNP_36061B_44214308	Ca_Kabuli_Chr07	NC_021166.1	44214308	TT	CC	CC	INTERGENIC		
SNP_36062B_44214492	Ca_Kabuli_Chr07	NC_021166.1	44214492	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_36063B_44217172	Ca_Kabuli_Chr07	NC_021166.1	44217172	AA	TT	TT	INTERGENIC		
SNP_36064B_44322209	Ca_Kabuli_Chr07	NC_021166.1	44322209	AA	CC	CC	INTERGENIC		
SNP_36066B_44395922	Ca_Kabuli_Chr07	NC_021166.1	44395922	AA	CC	CC	INTERGENIC		
SNP_36067B_44396011	Ca_Kabuli_Chr07	NC_021166.1	44396011	TT	CC	CC	INTERGENIC		
SNP_36068B_44396026	Ca_Kabuli_Chr07	NC_021166.1	44396026	AA	GG	GG	INTERGENIC		
SNP_36069B_44396151	Ca_Kabuli_Chr07	NC_021166.1	44396151	AA	GG	GG	INTERGENIC		
SNP_36070B_44396158	Ca_Kabuli_Chr07	NC_021166.1	44396158	TT	CC	CC	INTERGENIC		
SNP_36071B_44396353	Ca_Kabuli_Chr07	NC_021166.1	44396353	CC	TT	TT	INTERGENIC		
SNP_36072B_44396359	Ca_Kabuli_Chr07	NC_021166.1	44396359	AA	GG	GG	INTERGENIC		
SNP_36073B_44396425	Ca_Kabuli_Chr07	NC_021166.1	44396425	AA	CC	CC	INTERGENIC		
SNP_36074B_44396493	Ca_Kabuli_Chr07	NC_021166.1	44396493	AA	GG	GG	INTERGENIC		
SNP_36075B_44396516	Ca_Kabuli_Chr07	NC_021166.1	44396516	GG	AA	AA	INTERGENIC		
SNP_36076B_44404721	Ca_Kabuli_Chr07	NC_021166.1	44404721	TT	CC	CC	INTERGENIC		
SNP_36077B_44408185	Ca_Kabuli_Chr07	NC_021166.1	44408185	CC	TT	TT	INTERGENIC		
SNP_36078B_44440501	Ca_Kabuli_Chr07	NC_021166.1	44440501	GG	TT	TT	INTERGENIC		
SNP_36079B_44442476	Ca_Kabuli_Chr07	NC_021166.1	44442476	CC	TT	TT	INTERGENIC		
SNP_36080B_44442866	Ca_Kabuli_Chr07	NC_021166.1	44442866	AA	TT	TT	INTERGENIC		
SNP_36081B_44459674	Ca_Kabuli_Chr07	NC_021166.1	44459674	TT	CC	CC	INTRON	101505502	auxin response factor 2-like
SNP_36083B_44477449	Ca_Kabuli_Chr07	NC_021166.1	44477449	GG	AA	AA	INTERGENIC		
SNP_36084B_44508894	Ca_Kabuli_Chr07	NC_021166.1	44508894	TT	CC	CC	INTERGENIC		
SNP_36085B_44533164	Ca_Kabuli_Chr07	NC_021166.1	44533164	GG	AA	AA	URR	101511606	uncharacterized LOC101511606
SNP_36086B_44542989	Ca_Kabuli_Chr07	NC_021166.1	44542989	AA	GG	GG	INTERGENIC		
SNP_36087B_44543017	Ca_Kabuli_Chr07	NC_021166.1	44543017	CC	GG	GG	INTERGENIC		
SNP_36088B_44543578	Ca_Kabuli_Chr07	NC_021166.1	44543578	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_36090B_44543995	Ca_Kabuli_Chr07	NC_021166.1	44543995	TT	GG	GG	INTERGENIC		
SNP_36091B_44569270	Ca_Kabuli_Chr07	NC_021166.1	44569270	TT	GG	GG	INTERGENIC		
SNP_36092B_44569765	Ca_Kabuli_Chr07	NC_021166.1	44569765	AA	TT	TT	INTERGENIC		
SNP_36093B_44569774	Ca_Kabuli_Chr07	NC_021166.1	44569774	TT	CC	CC	INTERGENIC		
SNP_36094B_44571598	Ca_Kabuli_Chr07	NC_021166.1	44571598	CC	AA	AA	INTERGENIC		
SNP_36095B_44668225	Ca_Kabuli_Chr07	NC_021166.1	44668225	GG	AA	AA	INTERGENIC		
SNP_36096B_44720974	Ca_Kabuli_Chr07	NC_021166.1	44720974	AA	CC	CC	URR	101497144	Unknown function
SNP_36097B_44796461	Ca_Kabuli_Chr07	NC_021166.1	44796461	CC	GG	GG	INTERGENIC		
SNP_36098B_44799672	Ca_Kabuli_Chr07	NC_021166.1	44799672	CC	TT	TT	INTERGENIC		
SNP_36099B_44799699	Ca_Kabuli_Chr07	NC_021166.1	44799699	CC	AA	AA	INTERGENIC		
SNP_36100B_44822404	Ca_Kabuli_Chr07	NC_021166.1	44822404	AA	TT	TT	INTERGENIC		
SNP_36101B_44822656	Ca_Kabuli_Chr07	NC_021166.1	44822656	CC	AA	AA	INTERGENIC		
SNP_36102B_44822659	Ca_Kabuli_Chr07	NC_021166.1	44822659	AA	GG	GG	INTERGENIC		
SNP_36103B_44822679	Ca_Kabuli_Chr07	NC_021166.1	44822679	AA	CC	CC	INTERGENIC		
SNP_36104B_44822702	Ca_Kabuli_Chr07	NC_021166.1	44822702	TT	CC	CC	INTERGENIC		
SNP_36105B_44830215	Ca_Kabuli_Chr07	NC_021166.1	44830215	TT	AA	AA	INTERGENIC		
SNP_36106B_44830234	Ca_Kabuli_Chr07	NC_021166.1	44830234	GG	AA	AA	INTERGENIC		
SNP_36107B_44832889	Ca_Kabuli_Chr07	NC_021166.1	44832889	CC	TT	TT	INTERGENIC		
SNP_36108B_44832943	Ca_Kabuli_Chr07	NC_021166.1	44832943	TT	CC	CC	INTERGENIC		
SNP_36110B_44895723	Ca_Kabuli_Chr07	NC_021166.1	44895723	GG	AA	AA	INTERGENIC		
SNP_36111B_44977182	Ca_Kabuli_Chr07	NC_021166.1	44977182	TT	AA	AA	INTERGENIC		
SNP_36112B_44977183	Ca_Kabuli_Chr07	NC_021166.1	44977183	CC	AA	AA	INTERGENIC		
SNP_36113B_45044059	Ca_Kabuli_Chr07	NC_021166.1	45044059	GG	AA	AA	INTERGENIC		
SNP_36114B_45044164	Ca_Kabuli_Chr07	NC_021166.1	45044164	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_36115B_45044246	Ca_Kabuli_Chr07	NC_021166.1	45044246	AA	GG	GG	INTERGENIC		
SNP_36116B_45044467	Ca_Kabuli_Chr07	NC_021166.1	45044467	CC	TT	TT	INTERGENIC		
SNP_36117B_45044468	Ca_Kabuli_Chr07	NC_021166.1	45044468	TT	CC	CC	INTERGENIC		
SNP_36118B_45044478	Ca_Kabuli_Chr07	NC_021166.1	45044478	AA	GG	GG	INTERGENIC		
SNP_36119B_45044481	Ca_Kabuli_Chr07	NC_021166.1	45044481	TT	GG	GG	INTERGENIC		
SNP_36120B_45044520	Ca_Kabuli_Chr07	NC_021166.1	45044520	AA	GG	GG	INTERGENIC		
SNP_36121B_45044538	Ca_Kabuli_Chr07	NC_021166.1	45044538	AA	GG	GG	INTERGENIC		
SNP_36122B_45044569	Ca_Kabuli_Chr07	NC_021166.1	45044569	CC	TT	TT	INTERGENIC		
SNP_36123B_45044625	Ca_Kabuli_Chr07	NC_021166.1	45044625	TT	CC	CC	INTERGENIC		
SNP_36124B_45047801	Ca_Kabuli_Chr07	NC_021166.1	45047801	AA	GG	GG	INTERGENIC		
SNP_36125B_45088016	Ca_Kabuli_Chr07	NC_021166.1	45088016	CC	AA	AA	INTERGENIC		
SNP_36126B_45089336	Ca_Kabuli_Chr07	NC_021166.1	45089336	GG	AA	AA	INTERGENIC		
SNP_36127B_45113284	Ca_Kabuli_Chr07	NC_021166.1	45113284	AA	TT	TT	INTERGENIC		
SNP_36128B_45113311	Ca_Kabuli_Chr07	NC_021166.1	45113311	TT	CC	CC	INTERGENIC		
SNP_36129B_45113341	Ca_Kabuli_Chr07	NC_021166.1	45113341	AA	GG	GG	INTERGENIC		
SNP_36130B_45113447	Ca_Kabuli_Chr07	NC_021166.1	45113447	AA	GG	GG	INTERGENIC		
SNP_36131B_45124831	Ca_Kabuli_Chr07	NC_021166.1	45124831	AA	GG	GG	INTERGENIC		
SNP_36132B_45124888	Ca_Kabuli_Chr07	NC_021166.1	45124888	TT	CC	CC	INTERGENIC		
SNP_36133B_45124893	Ca_Kabuli_Chr07	NC_021166.1	45124893	TT	GG	GG	INTERGENIC		
SNP_36134B_45129108	Ca_Kabuli_Chr07	NC_021166.1	45129108	TT	CC	CC	INTERGENIC		
SNP_36135B_45132001	Ca_Kabuli_Chr07	NC_021166.1	45132001	TT	GG	GG	INTERGENIC		
SNP_36136B_45149500	Ca_Kabuli_Chr07	NC_021166.1	45149500	AA	TT	TT	URR	101499447	transcription factor GTE4-like
SNP_36137B_45149648	Ca_Kabuli_Chr07	NC_021166.1	45149648	TT	CC	CC	URR	101499447	transcription factor GTE4-like
SNP_36138B_45149736	Ca_Kabuli_Chr07	NC_021166.1	45149736	AA	GG	GG	URR	101499447	transcription factor GTE4-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_36139B_45149790	Ca_Kabuli_Chr07	NC_021166.1	45149790	TT	AA	AA	URR	101499447	transcription factor GTE4-like
SNP_36140B_45151007	Ca_Kabuli_Chr07	NC_021166.1	45151007	TT	CC	CC	INTERGENIC		
SNP_36141B_45151167	Ca_Kabuli_Chr07	NC_021166.1	45151167	CC	GG	GG	INTERGENIC		
SNP_36142B_45151201	Ca_Kabuli_Chr07	NC_021166.1	45151201	AA	CC	CC	INTERGENIC		
SNP_36143B_45151257	Ca_Kabuli_Chr07	NC_021166.1	45151257	AA	GG	GG	INTERGENIC		
SNP_36144B_45151314	Ca_Kabuli_Chr07	NC_021166.1	45151314	TT	CC	CC	INTERGENIC		
SNP_36145B_45151494	Ca_Kabuli_Chr07	NC_021166.1	45151494	TT	CC	CC	INTERGENIC		
SNP_36146B_45151523	Ca_Kabuli_Chr07	NC_021166.1	45151523	CC	TT	TT	INTERGENIC		
SNP_36147B_45169409	Ca_Kabuli_Chr07	NC_021166.1	45169409	GG	AA	AA	INTRON	101499752	uncharacterized LOC101499752
SNP_36148B_45169595	Ca_Kabuli_Chr07	NC_021166.1	45169595	TT	AA	AA	INTRON	101499752	uncharacterized LOC101499752
SNP_36149B_45169598	Ca_Kabuli_Chr07	NC_021166.1	45169598	AA	GG	GG	INTRON	101499752	uncharacterized LOC101499752
SNP_36151B_45169882	Ca_Kabuli_Chr07	NC_021166.1	45169882	CC	TT	TT	INTRON	101499752	uncharacterized LOC101499752
SNP_36152B_45169907	Ca_Kabuli_Chr07	NC_021166.1	45169907	GG	AA	AA	INTRON	101499752	uncharacterized LOC101499752
SNP_36153B_45170508	Ca_Kabuli_Chr07	NC_021166.1	45170508	CC	AA	AA	INTRON	101499752	uncharacterized LOC101499752
SNP_36155B_45178096	Ca_Kabuli_Chr07	NC_021166.1	45178096	TT	AA	AA	INTERGENIC		
SNP_36156B_45178510	Ca_Kabuli_Chr07	NC_021166.1	45178510	TT	CC	CC	INTERGENIC		
SNP_36157B_45178963	Ca_Kabuli_Chr07	NC_021166.1	45178963	GG	AA	AA	INTERGENIC		
SNP_36158B_45179010	Ca_Kabuli_Chr07	NC_021166.1	45179010	TT	AA	AA	INTERGENIC		
SNP_36159B_45179049	Ca_Kabuli_Chr07	NC_021166.1	45179049	CC	AA	AA	INTERGENIC		
SNP_36160B_45179224	Ca_Kabuli_Chr07	NC_021166.1	45179224	AA	GG	GG	DRR	101500061	Unknown function
SNP_36161B_45179264	Ca_Kabuli_Chr07	NC_021166.1	45179264	GG	AA	AA	DRR	101500061	Unknown function
SNP_36162B_45179427	Ca_Kabuli_Chr07	NC_021166.1	45179427	AA	TT	TT	DRR	101500061	Unknown function
SNP_36163B_45179441	Ca_Kabuli_Chr07	NC_021166.1	45179441	TT	CC	CC	DRR	101500061	Unknown function
SNP_36164B_45179494	Ca_Kabuli_Chr07	NC_021166.1	45179494	TT	GG	GG	DRR	101500061	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_36166B_45219826	Ca_Kabuli_Chr07	NC_021166.1	45219826	GG	AA	AA	INTERGENIC		
SNP_36168B_45239191	Ca_Kabuli_Chr07	NC_021166.1	45239191	TT	AA	AA	INTRON	101490223	caffeoylshikimate esterase-like
SNP_36169B_45239383	Ca_Kabuli_Chr07	NC_021166.1	45239383	CC	TT	TT	INTRON	101490223	caffeoylshikimate esterase-like
SNP_36170B_45364494	Ca_Kabuli_Chr07	NC_021166.1	45364494	GG	AA	AA	INTERGENIC		
SNP_36171B_45378377	Ca_Kabuli_Chr07	NC_021166.1	45378377	CC	TT	TT	INTERGENIC		
SNP_36172B_45378779	Ca_Kabuli_Chr07	NC_021166.1	45378779	AA	CC	CC	INTERGENIC		
SNP_36173B_45383582	Ca_Kabuli_Chr07	NC_021166.1	45383582	TT	AA	AA	NON_SYNONYMOUS_CODING	101492046	protein RBL-like
SNP_36174B_45388841	Ca_Kabuli_Chr07	NC_021166.1	45388841	CC	TT	TT	DRR	101501019	Unknown function
SNP_36175B_45389477	Ca_Kabuli_Chr07	NC_021166.1	45389477	GG	AA	AA	INTERGENIC		
SNP_36176B_45391404	Ca_Kabuli_Chr07	NC_021166.1	45391404	TT	CC	CC	NON_SYNONYMOUS_CODING	101501019	Unknown function
SNP_36178B_45439849	Ca_Kabuli_Chr07	NC_021166.1	45439849	AA	GG	GG	INTERGENIC		
SNP_36179B_45439962	Ca_Kabuli_Chr07	NC_021166.1	45439962	CC	TT	TT	INTERGENIC		
SNP_36180B_45439995	Ca_Kabuli_Chr07	NC_021166.1	45439995	GG	AA	AA	INTERGENIC		
SNP_36181B_45440005	Ca_Kabuli_Chr07	NC_021166.1	45440005	AA	CC	CC	INTERGENIC		
SNP_36182B_45440043	Ca_Kabuli_Chr07	NC_021166.1	45440043	GG	TT	TT	INTERGENIC		
SNP_36183B_45440046	Ca_Kabuli_Chr07	NC_021166.1	45440046	AA	GG	GG	INTERGENIC		
SNP_36184B_45447100	Ca_Kabuli_Chr07	NC_021166.1	45447100	AA	GG	GG	INTERGENIC		
SNP_36185B_45498678	Ca_Kabuli_Chr07	NC_021166.1	45498678	TT	GG	GG	INTERGENIC		
SNP_36186B_45520481	Ca_Kabuli_Chr07	NC_021166.1	45520481	CC	AA	AA	INTRON	101493377	MLP-like protein 43
SNP_36187B_45539243	Ca_Kabuli_Chr07	NC_021166.1	45539243	AA	CC	CC	INTRON	101493377	MLP-like protein 43
SNP_36188B_45539549	Ca_Kabuli_Chr07	NC_021166.1	45539549	AA	CC	CC	INTRON	101493377	MLP-like protein 43
SNP_36189B_45539870	Ca_Kabuli_Chr07	NC_021166.1	45539870	CC	TT	TT	INTRON	101493377	MLP-like protein 43
SNP_36190B_45540436	Ca_Kabuli_Chr07	NC_021166.1	45540436	GG	CC	CC	INTRON	101493377	MLP-like protein 43
SNP_36191B_45613740	Ca_Kabuli_Chr07	NC_021166.1	45613740	AA	GG	GG	INTRON	101493377	MLP-like protein 43

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_36192B_45634261	Ca_Kabuli_Chr07	NC_021166.1	45634261	AA	GG	GG	INTRON	101493377	MLP-like protein 43
SNP_36193B_45634331	Ca_Kabuli_Chr07	NC_021166.1	45634331	CC	TT	TT	INTRON	101493377	MLP-like protein 43
SNP_36194B_45634332	Ca_Kabuli_Chr07	NC_021166.1	45634332	TT	CC	CC	INTRON	101493377	MLP-like protein 43
SNP_36195B_45634344	Ca_Kabuli_Chr07	NC_021166.1	45634344	CC	TT	TT	INTRON	101493377	MLP-like protein 43
SNP_36196B_45634345	Ca_Kabuli_Chr07	NC_021166.1	45634345	AA	GG	GG	INTRON	101493377	MLP-like protein 43
SNP_36197B_45634520	Ca_Kabuli_Chr07	NC_021166.1	45634520	AA	CC	CC	INTRON	101493377	MLP-like protein 43
SNP_36198B_45738166	Ca_Kabuli_Chr07	NC_021166.1	45738166	AA	CC	CC	INTERGENIC		
SNP_36200B_45832003	Ca_Kabuli_Chr07	NC_021166.1	45832003	GG	AA	AA	INTERGENIC		
SNP_36201B_45855053	Ca_Kabuli_Chr07	NC_021166.1	45855053	AA	GG	GG	INTERGENIC		
SNP_36202B_45857022	Ca_Kabuli_Chr07	NC_021166.1	45857022	TT	AA	AA	INTERGENIC		
SNP_36204B_45857100	Ca_Kabuli_Chr07	NC_021166.1	45857100	CC	TT	TT	INTERGENIC		
SNP_36205B_45857104	Ca_Kabuli_Chr07	NC_021166.1	45857104	GG	AA	AA	INTERGENIC		
SNP_36206B_45925356	Ca_Kabuli_Chr07	NC_021166.1	45925356	AA	CC	CC	INTERGENIC		
SNP_36207B_45925360	Ca_Kabuli_Chr07	NC_021166.1	45925360	TT	CC	CC	INTERGENIC		
SNP_36208B_45925453	Ca_Kabuli_Chr07	NC_021166.1	45925453	AA	CC	CC	INTERGENIC		
SNP_36209B_45925471	Ca_Kabuli_Chr07	NC_021166.1	45925471	CC	TT	TT	INTERGENIC		
SNP_36210B_45925490	Ca_Kabuli_Chr07	NC_021166.1	45925490	TT	GG	GG	INTERGENIC		
SNP_36211B_45925516	Ca_Kabuli_Chr07	NC_021166.1	45925516	TT	CC	CC	INTERGENIC		
SNP_36212B_45925519	Ca_Kabuli_Chr07	NC_021166.1	45925519	TT	CC	CC	INTERGENIC		
SNP_36214B_45925534	Ca_Kabuli_Chr07	NC_021166.1	45925534	TT	CC	CC	INTERGENIC		
SNP_36215B_45925564	Ca_Kabuli_Chr07	NC_021166.1	45925564	CC	TT	TT	INTERGENIC		
SNP_36216B_45925573	Ca_Kabuli_Chr07	NC_021166.1	45925573	GG	AA	AA	INTERGENIC		
SNP_36217B_45925588	Ca_Kabuli_Chr07	NC_021166.1	45925588	TT	AA	AA	INTERGENIC		
SNP_36218B_45925612	Ca_Kabuli_Chr07	NC_021166.1	45925612	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_36219B_45925631	Ca_Kabuli_Chr07	NC_021166.1	45925631	GG	CC	CC	INTERGENIC		
SNP_36220B_45925639	Ca_Kabuli_Chr07	NC_021166.1	45925639	AA	GG	GG	INTERGENIC		
SNP_36221B_45925642	Ca_Kabuli_Chr07	NC_021166.1	45925642	TT	CC	CC	INTERGENIC		
SNP_36222B_45925809	Ca_Kabuli_Chr07	NC_021166.1	45925809	CC	TT	TT	INTERGENIC		
SNP_36223B_45925813	Ca_Kabuli_Chr07	NC_021166.1	45925813	AA	TT	TT	INTERGENIC		
SNP_36224B_45925866	Ca_Kabuli_Chr07	NC_021166.1	45925866	GG	AA	AA	INTERGENIC		
SNP_36225B_45925899	Ca_Kabuli_Chr07	NC_021166.1	45925899	AA	GG	GG	INTERGENIC		
SNP_36226B_45927621	Ca_Kabuli_Chr07	NC_021166.1	45927621	CC	AA	AA	INTERGENIC		
SNP_36227B_45927848	Ca_Kabuli_Chr07	NC_021166.1	45927848	TT	CC	CC	INTERGENIC		
SNP_36228B_45927882	Ca_Kabuli_Chr07	NC_021166.1	45927882	GG	AA	AA	INTERGENIC		
SNP_36229B_45927884	Ca_Kabuli_Chr07	NC_021166.1	45927884	GG	CC	CC	INTERGENIC		
SNP_36230B_45927902	Ca_Kabuli_Chr07	NC_021166.1	45927902	GG	AA	AA	INTERGENIC		
SNP_36231B_45927975	Ca_Kabuli_Chr07	NC_021166.1	45927975	CC	TT	TT	INTERGENIC		
SNP_36232B_45991233	Ca_Kabuli_Chr07	NC_021166.1	45991233	GG	TT	TT	INTERGENIC		
SNP_36233B_45991472	Ca_Kabuli_Chr07	NC_021166.1	45991472	CC	TT	TT	INTERGENIC		
SNP_36234B_45991731	Ca_Kabuli_Chr07	NC_021166.1	45991731	GG	AA	AA	INTERGENIC		
SNP_36235B_45993614	Ca_Kabuli_Chr07	NC_021166.1	45993614	CC	TT	TT	INTERGENIC		
SNP_36236B_45993627	Ca_Kabuli_Chr07	NC_021166.1	45993627	CC	GG	GG	INTERGENIC		
SNP_36237B_46023840	Ca_Kabuli_Chr07	NC_021166.1	46023840	CC	TT	TT	INTERGENIC		
SNP_36238B_46025779	Ca_Kabuli_Chr07	NC_021166.1	46025779	GG	AA	AA	INTERGENIC		
SNP_36239B_46121327	Ca_Kabuli_Chr07	NC_021166.1	46121327	TT	CC	CC	INTERGENIC		
SNP_36240B_46123910	Ca_Kabuli_Chr07	NC_021166.1	46123910	AA	GG	GG	INTERGENIC		
SNP_36241B_46123980	Ca_Kabuli_Chr07	NC_021166.1	46123980	AA	GG	GG	INTERGENIC		
SNP_36242B_46123987	Ca_Kabuli_Chr07	NC_021166.1	46123987	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_36243B_46123988	Ca_Kabuli_Chr07	NC_021166.1	46123988	TT	CC	CC	INTERGENIC		
SNP_36244B_46124033	Ca_Kabuli_Chr07	NC_021166.1	46124033	AA	CC	CC	INTERGENIC		
SNP_36245B_46126389	Ca_Kabuli_Chr07	NC_021166.1	46126389	GG	CC	CC	INTERGENIC		
SNP_36246B_46127878	Ca_Kabuli_Chr07	NC_021166.1	46127878	AA	GG	GG	INTERGENIC		
SNP_36247B_46127882	Ca_Kabuli_Chr07	NC_021166.1	46127882	AA	GG	GG	INTERGENIC		
SNP_36248B_46127939	Ca_Kabuli_Chr07	NC_021166.1	46127939	TT	GG	GG	INTERGENIC		
SNP_36249B_46132548	Ca_Kabuli_Chr07	NC_021166.1	46132548	AA	CC	CC	INTERGENIC		
SNP_36250B_46132603	Ca_Kabuli_Chr07	NC_021166.1	46132603	TT	AA	AA	INTERGENIC		
SNP_36251B_46132617	Ca_Kabuli_Chr07	NC_021166.1	46132617	AA	GG	GG	INTERGENIC		
SNP_36252B_46132645	Ca_Kabuli_Chr07	NC_021166.1	46132645	CC	TT	TT	INTERGENIC		
SNP_36253B_46132671	Ca_Kabuli_Chr07	NC_021166.1	46132671	CC	TT	TT	INTERGENIC		
SNP_36254B_46178498	Ca_Kabuli_Chr07	NC_021166.1	46178498	AA	GG	GG	INTRON	101505731	protein OS-9 homolog
SNP_36255B_46178595	Ca_Kabuli_Chr07	NC_021166.1	46178595	TT	CC	CC	INTRON	101505731	protein OS-9 homolog
SNP_36256B_46178628	Ca_Kabuli_Chr07	NC_021166.1	46178628	TT	CC	CC	INTRON	101505731	protein OS-9 homolog
SNP_36257B_46178658	Ca_Kabuli_Chr07	NC_021166.1	46178658	CC	TT	TT	INTRON	101505731	protein OS-9 homolog
SNP_36258B_46178863	Ca_Kabuli_Chr07	NC_021166.1	46178863	CC	TT	TT	INTRON	101505731	protein OS-9 homolog
SNP_36259B_46178917	Ca_Kabuli_Chr07	NC_021166.1	46178917	CC	TT	TT	INTRON	101505731	protein OS-9 homolog
SNP_36260B_46178924	Ca_Kabuli_Chr07	NC_021166.1	46178924	CC	TT	TT	INTRON	101505731	protein OS-9 homolog
SNP_36261B_46185493	Ca_Kabuli_Chr07	NC_021166.1	46185493	CC	AA	AA	INTERGENIC		
SNP_36262B_46185499	Ca_Kabuli_Chr07	NC_021166.1	46185499	CC	AA	AA	INTERGENIC		
SNP_36263B_46185500	Ca_Kabuli_Chr07	NC_021166.1	46185500	AA	GG	GG	INTERGENIC		
SNP_36264B_46185508	Ca_Kabuli_Chr07	NC_021166.1	46185508	TT	CC	CC	INTERGENIC		
SNP_36265B_46185626	Ca_Kabuli_Chr07	NC_021166.1	46185626	GG	AA	AA	INTERGENIC		
SNP_36266B_46185671	Ca_Kabuli_Chr07	NC_021166.1	46185671	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_36267B_46217006	Ca_Kabuli_Chr07	NC_021166.1	46217006	CC	AA	AA	URR	101508098	uncharacterized LOC101508098
SNP_36268B_46239737	Ca_Kabuli_Chr07	NC_021166.1	46239737	AA	CC	CC	INTERGENIC		
SNP_36269B_46250320	Ca_Kabuli_Chr07	NC_021166.1	46250320	AA	GG	GG	INTERGENIC		
SNP_36270B_46250577	Ca_Kabuli_Chr07	NC_021166.1	46250577	CC	TT	TT	INTERGENIC		
SNP_36271B_46250665	Ca_Kabuli_Chr07	NC_021166.1	46250665	CC	TT	TT	INTERGENIC		
SNP_36272B_46331645	Ca_Kabuli_Chr07	NC_021166.1	46331645	TT	CC	CC	INTERGENIC		
SNP_36274B_46331873	Ca_Kabuli_Chr07	NC_021166.1	46331873	TT	AA	AA	INTERGENIC		
SNP_36275B_46331883	Ca_Kabuli_Chr07	NC_021166.1	46331883	TT	CC	CC	INTERGENIC		
SNP_36276B_46332210	Ca_Kabuli_Chr07	NC_021166.1	46332210	AA	TT	TT	INTERGENIC		
SNP_36277B_46332234	Ca_Kabuli_Chr07	NC_021166.1	46332234	TT	CC	CC	INTERGENIC		
SNP_36278B_46332271	Ca_Kabuli_Chr07	NC_021166.1	46332271	GG	AA	AA	INTERGENIC		
SNP_36280B_46332343	Ca_Kabuli_Chr07	NC_021166.1	46332343	TT	AA	AA	INTERGENIC		
SNP_36281B_46332375	Ca_Kabuli_Chr07	NC_021166.1	46332375	TT	AA	AA	INTERGENIC		
SNP_36282B_46332442	Ca_Kabuli_Chr07	NC_021166.1	46332442	CC	TT	TT	INTERGENIC		
SNP_36283B_46332470	Ca_Kabuli_Chr07	NC_021166.1	46332470	AA	TT	TT	INTERGENIC		
SNP_36284B_46332473	Ca_Kabuli_Chr07	NC_021166.1	46332473	TT	AA	AA	INTERGENIC		
SNP_36285B_46344658	Ca_Kabuli_Chr07	NC_021166.1	46344658	AA	CC	CC	INTERGENIC		
SNP_36287B_46361211	Ca_Kabuli_Chr07	NC_021166.1	46361211	AA	GG	GG	INTERGENIC		
SNP_36288B_46363482	Ca_Kabuli_Chr07	NC_021166.1	46363482	CC	TT	TT	INTERGENIC		
SNP_36289B_46366670	Ca_Kabuli_Chr07	NC_021166.1	46366670	CC	AA	AA	INTERGENIC		
SNP_36290B_46416534	Ca_Kabuli_Chr07	NC_021166.1	46416534	GG	AA	AA	INTERGENIC		
SNP_36291B_46419987	Ca_Kabuli_Chr07	NC_021166.1	46419987	GG	TT	TT	DRR	101509039	G-type lectin S-receptor-like serine/threonine-protein kinase CES101
SNP_36292B_46424187	Ca_Kabuli_Chr07	NC_021166.1	46424187	AA	CC	CC	URR	101509039	G-type lectin S-receptor-like serine/threonine-protein kinase CES101
SNP_36293B_46444856	Ca_Kabuli_Chr07	NC_021166.1	46444856	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_36294B_46444857	Ca_Kabuli_Chr07	NC_021166.1	46444857	TT	AA	AA	INTERGENIC		
SNP_36295B_46453790	Ca_Kabuli_Chr07	NC_021166.1	46453790	GG	AA	AA	INTERGENIC		
SNP_36296B_46478835	Ca_Kabuli_Chr07	NC_021166.1	46478835	GG	TT	TT	INTERGENIC		
SNP_36297B_46478932	Ca_Kabuli_Chr07	NC_021166.1	46478932	CC	AA	AA	INTERGENIC		
SNP_36298B_46479493	Ca_Kabuli_Chr07	NC_021166.1	46479493	CC	TT	TT	INTERGENIC		
SNP_36299B_46488380	Ca_Kabuli_Chr07	NC_021166.1	46488380	GG	AA	AA	NON_SYNONYMOUS_CODING	101506694	CST complex subunit CTC1
SNP_36300B_46500909	Ca_Kabuli_Chr07	NC_021166.1	46500909	GG	AA	AA	URR	101506694	CST complex subunit CTC1
SNP_36301B_46505455	Ca_Kabuli_Chr07	NC_021166.1	46505455	AA	CC	CC	INTERGENIC		
SNP_36302B_46505499	Ca_Kabuli_Chr07	NC_021166.1	46505499	GG	TT	TT	INTERGENIC		
SNP_36303B_46505538	Ca_Kabuli_Chr07	NC_021166.1	46505538	CC	AA	AA	INTERGENIC		
SNP_36304B_46505609	Ca_Kabuli_Chr07	NC_021166.1	46505609	TT	GG	AA	INTERGENIC		
SNP_36305B_46569958	Ca_Kabuli_Chr07	NC_021166.1	46569958	CC	AA	AA	INTERGENIC		
SNP_36306B_46569969	Ca_Kabuli_Chr07	NC_021166.1	46569969	AA	CC	CC	INTERGENIC		
SNP_36307B_46570006	Ca_Kabuli_Chr07	NC_021166.1	46570006	AA	GG	GG	INTERGENIC		
SNP_36308B_46570251	Ca_Kabuli_Chr07	NC_021166.1	46570251	CC	TT	TT	INTERGENIC		
SNP_36309B_46570390	Ca_Kabuli_Chr07	NC_021166.1	46570390	CC	TT	TT	INTERGENIC		
SNP_36311B_46581178	Ca_Kabuli_Chr07	NC_021166.1	46581178	AA	TT	TT	INTERGENIC		
SNP_36312B_46606903	Ca_Kabuli_Chr07	NC_021166.1	46606903	TT	CC	CC	INTERGENIC		
SNP_36313B_46607310	Ca_Kabuli_Chr07	NC_021166.1	46607310	TT	GG	GG	INTERGENIC		
SNP_36314B_46631911	Ca_Kabuli_Chr07	NC_021166.1	46631911	GG	AA	AA	NON_SYNONYMOUS_CODING	101510323	Unknown function
SNP_36315B_46707773	Ca_Kabuli_Chr07	NC_021166.1	46707773	GG	AA	AA	INTERGENIC		
SNP_36316B_46754558	Ca_Kabuli_Chr07	NC_021166.1	46754558	AA	GG	GG	INTERGENIC		
SNP_36317B_46885895	Ca_Kabuli_Chr07	NC_021166.1	46885895	AA	TT	TT	INTRON	101514207	uncharacterized LOC101514207
SNP_36318B_46885896	Ca_Kabuli_Chr07	NC_021166.1	46885896	AA	CC	CC	INTRON	101514207	uncharacterized LOC101514207

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_36319B_46885911	Ca_Kabuli_Chr07	NC_021166.1	46885911	TT	CC	CC	INTRON	101514207	uncharacterized LOC101514207
SNP_36320B_46885912	Ca_Kabuli_Chr07	NC_021166.1	46885912	TT	CC	CC	INTRON	101514207	uncharacterized LOC101514207
SNP_36321B_46885931	Ca_Kabuli_Chr07	NC_021166.1	46885931	GG	CC	CC	INTRON	101514207	uncharacterized LOC101514207
SNP_36322B_46886007	Ca_Kabuli_Chr07	NC_021166.1	46886007	TT	GG	GG	INTRON	101514207	uncharacterized LOC101514207
SNP_36323B_46886062	Ca_Kabuli_Chr07	NC_021166.1	46886062	CC	AA	AA	INTRON	101514207	uncharacterized LOC101514207
SNP_36324B_46886304	Ca_Kabuli_Chr07	NC_021166.1	46886304	AA	TT	TT	INTRON	101514207	uncharacterized LOC101514207
SNP_36325B_46919510	Ca_Kabuli_Chr07	NC_021166.1	46919510	AA	GG	GG	INTERGENIC		
SNP_36326B_46960516	Ca_Kabuli_Chr07	NC_021166.1	46960516	TT	CC	CC	INTERGENIC		
SNP_36327B_46969314	Ca_Kabuli_Chr07	NC_021166.1	46969314	GG	CC	CC	INTERGENIC		
SNP_36328B_47083006	Ca_Kabuli_Chr07	NC_021166.1	47083006	AA	GG	GG	INTERGENIC		
SNP_36329B_47083035	Ca_Kabuli_Chr07	NC_021166.1	47083035	GG	AA	AA	INTERGENIC		
SNP_36330B_47083036	Ca_Kabuli_Chr07	NC_021166.1	47083036	TT	AA	AA	INTERGENIC		
SNP_36331B_47083037	Ca_Kabuli_Chr07	NC_021166.1	47083037	GG	AA	AA	INTERGENIC		
SNP_36332B_47083086	Ca_Kabuli_Chr07	NC_021166.1	47083086	CC	TT	TT	INTERGENIC		
SNP_36333B_47083092	Ca_Kabuli_Chr07	NC_021166.1	47083092	GG	AA	AA	INTERGENIC		
SNP_36334B_47083108	Ca_Kabuli_Chr07	NC_021166.1	47083108	AA	GG	GG	INTERGENIC		
SNP_36335B_47083180	Ca_Kabuli_Chr07	NC_021166.1	47083180	TT	CC	CC	INTERGENIC		
SNP_36336B_47083390	Ca_Kabuli_Chr07	NC_021166.1	47083390	GG	CC	CC	INTERGENIC		
SNP_36337B_47084957	Ca_Kabuli_Chr07	NC_021166.1	47084957	GG	AA	AA	INTERGENIC		
SNP_36338B_47084975	Ca_Kabuli_Chr07	NC_021166.1	47084975	TT	CC	CC	INTERGENIC		
SNP_36339B_47084978	Ca_Kabuli_Chr07	NC_021166.1	47084978	AA	GG	GG	INTERGENIC		
SNP_36340B_47093349	Ca_Kabuli_Chr07	NC_021166.1	47093349	GG	AA	AA	URR	101493475	mucin-2-like
SNP_36341B_47093437	Ca_Kabuli_Chr07	NC_021166.1	47093437	TT	GG	GG	URR	101493475	mucin-2-like
SNP_36342B_47093495	Ca_Kabuli_Chr07	NC_021166.1	47093495	CC	TT	TT	URR	101493475	mucin-2-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_36343B_47093668	Ca_Kabuli_Chr07	NC_021166.1	47093668	GG	CC	CC	URR	101493475	mucin-2-like
SNP_36344B_47093786	Ca_Kabuli_Chr07	NC_021166.1	47093786	TT	CC	CC	URR	101493475	mucin-2-like
SNP_36345B_47093816	Ca_Kabuli_Chr07	NC_021166.1	47093816	TT	CC	CC	URR	101493475	mucin-2-like
SNP_36346B_47108305	Ca_Kabuli_Chr07	NC_021166.1	47108305	TT	CC	CC	INTERGENIC		
SNP_36347B_47108311	Ca_Kabuli_Chr07	NC_021166.1	47108311	TT	CC	CC	INTERGENIC		
SNP_36348B_47108344	Ca_Kabuli_Chr07	NC_021166.1	47108344	AA	GG	GG	INTERGENIC		
SNP_36350B_47108405	Ca_Kabuli_Chr07	NC_021166.1	47108405	TT	GG	GG	INTERGENIC		
SNP_36351B_47108413	Ca_Kabuli_Chr07	NC_021166.1	47108413	TT	CC	CC	INTERGENIC		
SNP_36352B_47108685	Ca_Kabuli_Chr07	NC_021166.1	47108685	GG	CC	CC	INTERGENIC		
SNP_36354B_47155527	Ca_Kabuli_Chr07	NC_021166.1	47155527	AA	GG	GG	INTRON	101494424	pentatricopeptide repeat-containing protein At2g44880-like
SNP_36355B_47182894	Ca_Kabuli_Chr07	NC_021166.1	47182894	GG	TT	TT	INTERGENIC		
SNP_36356B_47182926	Ca_Kabuli_Chr07	NC_021166.1	47182926	TT	GG	GG	INTERGENIC		
SNP_36357B_47211727	Ca_Kabuli_Chr07	NC_021166.1	47211727	TT	AA	AA	INTERGENIC		
SNP_36359B_47256497	Ca_Kabuli_Chr07	NC_021166.1	47256497	TT	CC	CC	INTERGENIC		
SNP_36360B_47257930	Ca_Kabuli_Chr07	NC_021166.1	47257930	TT	GG	GG	INTERGENIC		
SNP_36361B_47281178	Ca_Kabuli_Chr07	NC_021166.1	47281178	TT	CC	CC	INTERGENIC		
SNP_36362B_47281183	Ca_Kabuli_Chr07	NC_021166.1	47281183	TT	CC	CC	INTERGENIC		
SNP_36363B_47282739	Ca_Kabuli_Chr07	NC_021166.1	47282739	AA	TT	TT	INTERGENIC		
SNP_36364B_47283671	Ca_Kabuli_Chr07	NC_021166.1	47283671	GG	TT	TT	INTERGENIC		
SNP_36365B_47283794	Ca_Kabuli_Chr07	NC_021166.1	47283794	TT	CC	CC	INTERGENIC		
SNP_36366B_47284072	Ca_Kabuli_Chr07	NC_021166.1	47284072	CC	AA	AA	INTERGENIC		
SNP_36367B_47284323	Ca_Kabuli_Chr07	NC_021166.1	47284323	AA	CC	CC	INTERGENIC		
SNP_36368B_47284816	Ca_Kabuli_Chr07	NC_021166.1	47284816	CC	TT	TT	INTERGENIC		
SNP_36370B_47295047	Ca_Kabuli_Chr07	NC_021166.1	47295047	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_36371B_47295083	Ca_Kabuli_Chr07	NC_021166.1	47295083	CC	TT	TT	INTERGENIC		
SNP_36372B_47295143	Ca_Kabuli_Chr07	NC_021166.1	47295143	CC	GG	GG	INTERGENIC		
SNP_36373B_47295155	Ca_Kabuli_Chr07	NC_021166.1	47295155	TT	CC	CC	INTERGENIC		
SNP_36374B_47295400	Ca_Kabuli_Chr07	NC_021166.1	47295400	TT	AA	AA	INTERGENIC		
SNP_36375B_47295404	Ca_Kabuli_Chr07	NC_021166.1	47295404	TT	AA	AA	INTERGENIC		
SNP_36376B_47299824	Ca_Kabuli_Chr07	NC_021166.1	47299824	AA	TT	TT	INTERGENIC		
SNP_36377B_47299863	Ca_Kabuli_Chr07	NC_021166.1	47299863	AA	CC	CC	INTERGENIC		
SNP_36378B_47324945	Ca_Kabuli_Chr07	NC_021166.1	47324945	AA	GG	GG	INTERGENIC		
SNP_36379B_47324975	Ca_Kabuli_Chr07	NC_021166.1	47324975	AA	TT	TT	INTERGENIC		
SNP_36380B_47325273	Ca_Kabuli_Chr07	NC_021166.1	47325273	AA	GG	GG	INTERGENIC		
SNP_36381B_47327265	Ca_Kabuli_Chr07	NC_021166.1	47327265	TT	GG	GG	INTERGENIC		
SNP_36382B_47327305	Ca_Kabuli_Chr07	NC_021166.1	47327305	CC	TT	TT	INTERGENIC		
SNP_36383B_47327581	Ca_Kabuli_Chr07	NC_021166.1	47327581	CC	AA	AA	INTERGENIC		
SNP_36384B_47327707	Ca_Kabuli_Chr07	NC_021166.1	47327707	GG	TT	TT	INTERGENIC		
SNP_36385B_47335178	Ca_Kabuli_Chr07	NC_021166.1	47335178	CC	TT	TT	INTERGENIC		
SNP_36386B_47335180	Ca_Kabuli_Chr07	NC_021166.1	47335180	CC	GG	GG	INTERGENIC		
SNP_36387B_47343329	Ca_Kabuli_Chr07	NC_021166.1	47343329	AA	GG	GG	INTERGENIC		
SNP_36388B_47346794	Ca_Kabuli_Chr07	NC_021166.1	47346794	CC	GG	GG	INTERGENIC		
SNP_36389B_47362164	Ca_Kabuli_Chr07	NC_021166.1	47362164	AA	GG	GG	INTERGENIC		
SNP_36391B_47384569	Ca_Kabuli_Chr07	NC_021166.1	47384569	CC	TT	TT	INTERGENIC		
SNP_36392B_47441732	Ca_Kabuli_Chr07	NC_021166.1	47441732	TT	CC	CC	INTERGENIC		
SNP_36393B_47463702	Ca_Kabuli_Chr07	NC_021166.1	47463702	GG	AA	AA	INTRON	101496713	uncharacterized LOC101496713
SNP_36394B_47484933	Ca_Kabuli_Chr07	NC_021166.1	47484933	CC	TT	TT	INTERGENIC		
SNP_36395B_47504265	Ca_Kabuli_Chr07	NC_021166.1	47504265	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_36396B_47504564	Ca_Kabuli_Chr07	NC_021166.1	47504564	TT	CC	CC	INTERGENIC		
SNP_36397B_47504607	Ca_Kabuli_Chr07	NC_021166.1	47504607	AA	GG	GG	INTERGENIC		
SNP_36398B_47504632	Ca_Kabuli_Chr07	NC_021166.1	47504632	AA	GG	GG	INTERGENIC		
SNP_36399B_47542311	Ca_Kabuli_Chr07	NC_021166.1	47542311	GG	AA	AA	INTERGENIC		
SNP_36402B_47604449	Ca_Kabuli_Chr07	NC_021166.1	47604449	TT	CC	CC	INTERGENIC		
SNP_36403B_47604626	Ca_Kabuli_Chr07	NC_021166.1	47604626	TT	GG	GG	INTERGENIC		
SNP_36404B_47604678	Ca_Kabuli_Chr07	NC_021166.1	47604678	AA	GG	GG	INTERGENIC		
SNP_36405B_47605196	Ca_Kabuli_Chr07	NC_021166.1	47605196	AA	TT	TT	INTERGENIC		
SNP_36406B_47605302	Ca_Kabuli_Chr07	NC_021166.1	47605302	CC	TT	TT	INTERGENIC		
SNP_36407B_47605662	Ca_Kabuli_Chr07	NC_021166.1	47605662	AA	GG	GG	INTERGENIC		
SNP_36408B_47657126	Ca_Kabuli_Chr07	NC_021166.1	47657126	GG	AA	AA	INTERGENIC		
SNP_36409B_47689912	Ca_Kabuli_Chr07	NC_021166.1	47689912	AA	GG	GG	INTERGENIC		
SNP_36410B_47714814	Ca_Kabuli_Chr07	NC_021166.1	47714814	TT	GG	GG	DRR	101501968	protein STRICTOSIDINE SYNTHASE-LIKE 12-like
SNP_36411B_47714862	Ca_Kabuli_Chr07	NC_021166.1	47714862	AA	GG	GG	DRR	101501968	protein STRICTOSIDINE SYNTHASE-LIKE 12-like
SNP_36412B_47714877	Ca_Kabuli_Chr07	NC_021166.1	47714877	TT	GG	GG	DRR	101501968	protein STRICTOSIDINE SYNTHASE-LIKE 12-like
SNP_36413B_47715060	Ca_Kabuli_Chr07	NC_021166.1	47715060	AA	CC	CC	DRR	101501968	protein STRICTOSIDINE SYNTHASE-LIKE 12-like
SNP_36414B_47715338	Ca_Kabuli_Chr07	NC_021166.1	47715338	CC	GG	GG	NON_SYNONYMOUS_CODING	101501968	protein STRICTOSIDINE SYNTHASE-LIKE 12-like
SNP_36415B_47715365	Ca_Kabuli_Chr07	NC_021166.1	47715365	AA	TT	TT	NON_SYNONYMOUS_CODING	101501968	protein STRICTOSIDINE SYNTHASE-LIKE 12-like
SNP_36416B_47715413	Ca_Kabuli_Chr07	NC_021166.1	47715413	AA	CC	CC	INTRON	101501968	protein STRICTOSIDINE SYNTHASE-LIKE 12-like
SNP_36417B_47715572	Ca_Kabuli_Chr07	NC_021166.1	47715572	GG	CC	CC	INTRON	101501968	protein STRICTOSIDINE SYNTHASE-LIKE 12-like
SNP_36418B_47715601	Ca_Kabuli_Chr07	NC_021166.1	47715601	AA	GG	GG	INTRON	101501968	protein STRICTOSIDINE SYNTHASE-LIKE 12-like
SNP_36419B_47715636	Ca_Kabuli_Chr07	NC_021166.1	47715636	TT	GG	GG	INTRON	101501968	protein STRICTOSIDINE SYNTHASE-LIKE 12-like
SNP_36420B_47718330	Ca_Kabuli_Chr07	NC_021166.1	47718330	AA	GG	GG	INTRON	101501968	protein STRICTOSIDINE SYNTHASE-LIKE 12-like
SNP_36421B_47718345	Ca_Kabuli_Chr07	NC_021166.1	47718345	TT	AA	AA	INTRON	101501968	protein STRICTOSIDINE SYNTHASE-LIKE 12-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_36422B_47718396	Ca_Kabuli_Chr07	NC_021166.1	47718396	GG	AA	AA	INTRON	101501968	protein STRICTOSIDINE SYNTHASE-LIKE 12-like
SNP_36423B_47718416	Ca_Kabuli_Chr07	NC_021166.1	47718416	AA	CC	CC	INTRON	101501968	protein STRICTOSIDINE SYNTHASE-LIKE 12-like
SNP_36424B_47718441	Ca_Kabuli_Chr07	NC_021166.1	47718441	AA	GG	GG	INTRON	101501968	protein STRICTOSIDINE SYNTHASE-LIKE 12-like
SNP_36425B_47718471	Ca_Kabuli_Chr07	NC_021166.1	47718471	TT	CC	CC	INTRON	101501968	protein STRICTOSIDINE SYNTHASE-LIKE 12-like
SNP_36426B_47772319	Ca_Kabuli_Chr07	NC_021166.1	47772319	AA	GG	GG	INTERGENIC		
SNP_36427B_47772358	Ca_Kabuli_Chr07	NC_021166.1	47772358	AA	GG	GG	INTERGENIC		
SNP_36428B_47772359	Ca_Kabuli_Chr07	NC_021166.1	47772359	CC	GG	GG	INTERGENIC		
SNP_36429B_47772759	Ca_Kabuli_Chr07	NC_021166.1	47772759	CC	TT	TT	INTERGENIC		
SNP_36430B_47772794	Ca_Kabuli_Chr07	NC_021166.1	47772794	AA	TT	TT	INTERGENIC		
SNP_36431B_47792010	Ca_Kabuli_Chr07	NC_021166.1	47792010	AA	CC	CC	INTERGENIC		
SNP_36432B_47792642	Ca_Kabuli_Chr07	NC_021166.1	47792642	GG	AA	AA	INTERGENIC		
SNP_36433B_47853102	Ca_Kabuli_Chr07	NC_021166.1	47853102	GG	AA	AA	INTERGENIC		
SNP_36434B_47857293	Ca_Kabuli_Chr07	NC_021166.1	47857293	TT	CC	CC	INTERGENIC		
SNP_36435B_47857300	Ca_Kabuli_Chr07	NC_021166.1	47857300	AA	GG	GG	INTERGENIC		
SNP_36436B_47865102	Ca_Kabuli_Chr07	NC_021166.1	47865102	AA	GG	GG	INTERGENIC		
SNP_36437B_47865912	Ca_Kabuli_Chr07	NC_021166.1	47865912	TT	CC	CC	INTERGENIC		
SNP_36438B_47865920	Ca_Kabuli_Chr07	NC_021166.1	47865920	AA	GG	GG	INTERGENIC		
SNP_36439B_47865935	Ca_Kabuli_Chr07	NC_021166.1	47865935	AA	GG	GG	INTERGENIC		
SNP_36440B_47865937	Ca_Kabuli_Chr07	NC_021166.1	47865937	TT	GG	GG	INTERGENIC		
SNP_36441B_47909452	Ca_Kabuli_Chr07	NC_021166.1	47909452	TT	CC	CC	INTERGENIC		
SNP_36442B_47909466	Ca_Kabuli_Chr07	NC_021166.1	47909466	CC	TT	TT	INTERGENIC		
SNP_36443B_47909468	Ca_Kabuli_Chr07	NC_021166.1	47909468	AA	GG	GG	INTERGENIC		
SNP_36444B_47909472	Ca_Kabuli_Chr07	NC_021166.1	47909472	TT	CC	CC	INTERGENIC		
SNP_36445B_47909568	Ca_Kabuli_Chr07	NC_021166.1	47909568	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_36446B_47909611	Ca_Kabuli_Chr07	NC_021166.1	47909611	CC	TT	TT	INTERGENIC		
SNP_36447B_47909638	Ca_Kabuli_Chr07	NC_021166.1	47909638	AA	GG	GG	INTERGENIC		
SNP_36448B_47909668	Ca_Kabuli_Chr07	NC_021166.1	47909668	CC	TT	TT	INTERGENIC		
SNP_36449B_47942098	Ca_Kabuli_Chr07	NC_021166.1	47942098	AA	GG	GG	INTERGENIC		
SNP_36450B_47942363	Ca_Kabuli_Chr07	NC_021166.1	47942363	AA	GG	GG	INTERGENIC		
SNP_36451B_47942508	Ca_Kabuli_Chr07	NC_021166.1	47942508	TT	CC	CC	INTERGENIC		
SNP_36452B_47959494	Ca_Kabuli_Chr07	NC_021166.1	47959494	TT	GG	GG	INTERGENIC		
SNP_36453B_47990710	Ca_Kabuli_Chr07	NC_021166.1	47990710	AA	TT	TT	INTERGENIC		
SNP_36454B_48035668	Ca_Kabuli_Chr07	NC_021166.1	48035668	AA	GG	GG	INTERGENIC		
SNP_36455B_48069393	Ca_Kabuli_Chr07	NC_021166.1	48069393	TT	AA	AA	INTERGENIC		
SNP_36456B_48145009	Ca_Kabuli_Chr07	NC_021166.1	48145009	GG	AA	AA	INTERGENIC		
SNP_36457B_48145043	Ca_Kabuli_Chr07	NC_021166.1	48145043	GG	CC	CC	INTERGENIC		
SNP_36458B_48181446	Ca_Kabuli_Chr07	NC_021166.1	48181446	TT	AA	AA	INTERGENIC		
SNP_36459B_48188632	Ca_Kabuli_Chr07	NC_021166.1	48188632	TT	CC	CC	INTERGENIC		
SNP_36460B_48246077	Ca_Kabuli_Chr07	NC_021166.1	48246077	CC	AA	AA	INTRON	101501336	uncharacterized exonuclease domain-containing protein At3g15140
SNP_36461B_48246106	Ca_Kabuli_Chr07	NC_021166.1	48246106	CC	TT	TT	INTRON	101501336	uncharacterized exonuclease domain-containing protein At3g15140
SNP_36462B_48246118	Ca_Kabuli_Chr07	NC_021166.1	48246118	TT	CC	CC	INTRON	101501336	uncharacterized exonuclease domain-containing protein At3g15140
SNP_36463B_48246119	Ca_Kabuli_Chr07	NC_021166.1	48246119	AA	GG	GG	INTRON	101501336	uncharacterized exonuclease domain-containing protein At3g15140
SNP_36464B_48246126	Ca_Kabuli_Chr07	NC_021166.1	48246126	TT	CC	CC	INTRON	101501336	uncharacterized exonuclease domain-containing protein At3g15140
SNP_36465B_48246183	Ca_Kabuli_Chr07	NC_021166.1	48246183	CC	TT	TT	INTRON	101501336	uncharacterized exonuclease domain-containing protein At3g15140
SNP_36466B_48246230	Ca_Kabuli_Chr07	NC_021166.1	48246230	GG	AA	AA	INTRON	101501336	uncharacterized exonuclease domain-containing protein At3g15140
SNP_36467B_48246268	Ca_Kabuli_Chr07	NC_021166.1	48246268	GG	AA	AA	INTRON	101501336	uncharacterized exonuclease domain-containing protein At3g15140
SNP_36468B_48246269	Ca_Kabuli_Chr07	NC_021166.1	48246269	TT	CC	CC	INTRON	101501336	uncharacterized exonuclease domain-containing protein At3g15140
SNP_36469B_48246271	Ca_Kabuli_Chr07	NC_021166.1	48246271	GG	AA	AA	INTRON	101501336	uncharacterized exonuclease domain-containing protein At3g15140

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_36470B_48246297	Ca_Kabuli_Chr07	NC_021166.1	48246297	TT	CC	CC	INTRON	101501336	uncharacterized exonuclease domain-containing protein At3g15140
SNP_36471B_48246382	Ca_Kabuli_Chr07	NC_021166.1	48246382	TT	CC	CC	INTRON	101501336	uncharacterized exonuclease domain-containing protein At3g15140
SNP_36472B_48246416	Ca_Kabuli_Chr07	NC_021166.1	48246416	AA	GG	GG	INTRON	101501336	uncharacterized exonuclease domain-containing protein At3g15140
SNP_36473B_48246441	Ca_Kabuli_Chr07	NC_021166.1	48246441	TT	CC	CC	INTRON	101501336	uncharacterized exonuclease domain-containing protein At3g15140
SNP_36474B_48246496	Ca_Kabuli_Chr07	NC_021166.1	48246496	TT	CC	CC	INTRON	101501336	uncharacterized exonuclease domain-containing protein At3g15140
SNP_36475B_48246612	Ca_Kabuli_Chr07	NC_021166.1	48246612	TT	AA	AA	INTRON	101501336	uncharacterized exonuclease domain-containing protein At3g15140
SNP_36476B_48311568	Ca_Kabuli_Chr07	NC_021166.1	48311568	CC	TT	TT	INTERGENIC		
SNP_36477B_48311570	Ca_Kabuli_Chr07	NC_021166.1	48311570	AA	GG	GG	INTERGENIC		
SNP_36478B_48311590	Ca_Kabuli_Chr07	NC_021166.1	48311590	AA	GG	GG	INTERGENIC		
SNP_36479B_48312060	Ca_Kabuli_Chr07	NC_021166.1	48312060	GG	TT	TT	INTERGENIC		
SNP_36480B_48312062	Ca_Kabuli_Chr07	NC_021166.1	48312062	TT	GG	GG	INTERGENIC		
SNP_36482B_48312514	Ca_Kabuli_Chr07	NC_021166.1	48312514	AA	GG	GG	INTERGENIC		
SNP_36483B_48312532	Ca_Kabuli_Chr07	NC_021166.1	48312532	TT	GG	GG	INTERGENIC		
SNP_36485B_48312576	Ca_Kabuli_Chr07	NC_021166.1	48312576	TT	CC	CC	INTERGENIC		
SNP_36486B_48312601	Ca_Kabuli_Chr07	NC_021166.1	48312601	AA	GG	GG	INTERGENIC		
SNP_36488B_48312966	Ca_Kabuli_Chr07	NC_021166.1	48312966	CC	AA	AA	INTERGENIC		
SNP_36489B_48312994	Ca_Kabuli_Chr07	NC_021166.1	48312994	CC	AA	AA	INTERGENIC		
SNP_36490B_48313066	Ca_Kabuli_Chr07	NC_021166.1	48313066	GG	AA	AA	INTERGENIC		
SNP_36491B_48328377	Ca_Kabuli_Chr07	NC_021166.1	48328377	GG	AA	AA	INTERGENIC		
SNP_36492B_48329894	Ca_Kabuli_Chr07	NC_021166.1	48329894	AA	GG	GG	INTERGENIC		
SNP_36493B_48329964	Ca_Kabuli_Chr07	NC_021166.1	48329964	TT	CC	CC	INTERGENIC		
SNP_36494B_48330012	Ca_Kabuli_Chr07	NC_021166.1	48330012	AA	TT	TT	INTERGENIC		
SNP_36495B_48337456	Ca_Kabuli_Chr07	NC_021166.1	48337456	CC	TT	TT	INTERGENIC		
SNP_36496B_48337486	Ca_Kabuli_Chr07	NC_021166.1	48337486	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_36497B_48337547	Ca_Kabuli_Chr07	NC_021166.1	48337547	GG	AA	AA	INTERGENIC		
SNP_36498B_48366129	Ca_Kabuli_Chr07	NC_021166.1	48366129	TT	CC	CC	INTERGENIC		
SNP_36499B_48366427	Ca_Kabuli_Chr07	NC_021166.1	48366427	AA	TT	TT	INTERGENIC		
SNP_36500B_48392132	Ca_Kabuli_Chr07	NC_021166.1	48392132	AA	CC	CC	INTERGENIC		
SNP_36501B_48392226	Ca_Kabuli_Chr07	NC_021166.1	48392226	TT	CC	CC	INTERGENIC		
SNP_36502B_48392311	Ca_Kabuli_Chr07	NC_021166.1	48392311	TT	CC	CC	INTERGENIC		
SNP_36503B_48392323	Ca_Kabuli_Chr07	NC_021166.1	48392323	AA	GG	GG	INTERGENIC		
SNP_36504B_48392362	Ca_Kabuli_Chr07	NC_021166.1	48392362	GG	TT	TT	INTERGENIC		
SNP_36505B_48392409	Ca_Kabuli_Chr07	NC_021166.1	48392409	CC	TT	TT	INTERGENIC		
SNP_36506B_48392490	Ca_Kabuli_Chr07	NC_021166.1	48392490	CC	TT	TT	INTERGENIC		
SNP_36507B_48392610	Ca_Kabuli_Chr07	NC_021166.1	48392610	CC	AA	AA	INTERGENIC		
SNP_36508B_48392612	Ca_Kabuli_Chr07	NC_021166.1	48392612	AA	CC	CC	INTERGENIC		
SNP_36510B_48392699	Ca_Kabuli_Chr07	NC_021166.1	48392699	TT	AA	AA	INTERGENIC		
SNP_36511B_48392741	Ca_Kabuli_Chr07	NC_021166.1	48392741	GG	CC	CC	INTERGENIC		
SNP_36512B_48392915	Ca_Kabuli_Chr07	NC_021166.1	48392915	AA	GG	GG	INTERGENIC		
SNP_36513B_48392923	Ca_Kabuli_Chr07	NC_021166.1	48392923	TT	AA	AA	INTERGENIC		
SNP_36514B_48422190	Ca_Kabuli_Chr07	NC_021166.1	48422190	CC	TT	TT	DRR	101504562	dirigent protein 22-like
SNP_36515B_48426755	Ca_Kabuli_Chr07	NC_021166.1	48426755	GG	TT	TT	INTERGENIC		
SNP_36517B_48429450	Ca_Kabuli_Chr07	NC_021166.1	48429450	CC	AA	AA	INTERGENIC		
SNP_36518B_48429629	Ca_Kabuli_Chr07	NC_021166.1	48429629	GG	AA	AA	INTERGENIC		
SNP_36519B_48436553	Ca_Kabuli_Chr07	NC_021166.1	48436553	AA	GG	GG	INTERGENIC		
SNP_36520B_48498166	Ca_Kabuli_Chr07	NC_021166.1	48498166	CC	TT	TT	INTERGENIC		
SNP_36521B_48535881	Ca_Kabuli_Chr07	NC_021166.1	48535881	AA	CC	CC	INTERGENIC		
SNP_36522B_48548003	Ca_Kabuli_Chr07	NC_021166.1	48548003	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_36523B_48611308	Ca_Kabuli_Chr07	NC_021166.1	48611308	TT	CC	CC	INTERGENIC		
SNP_36524B_48611464	Ca_Kabuli_Chr07	NC_021166.1	48611464	TT	AA	AA	INTERGENIC		
SNP_36525B_48611515	Ca_Kabuli_Chr07	NC_021166.1	48611515	CC	TT	TT	INTERGENIC		
SNP_36526B_48611542	Ca_Kabuli_Chr07	NC_021166.1	48611542	TT	CC	CC	INTERGENIC		
SNP_36527B_48612016	Ca_Kabuli_Chr07	NC_021166.1	48612016	CC	TT	TT	INTERGENIC		
SNP_36528B_48678170	Ca_Kabuli_Chr07	NC_021166.1	48678170	AA	GG	GG	INTERGENIC		
SNP_36529B_48678186	Ca_Kabuli_Chr07	NC_021166.1	48678186	CC	TT	TT	INTERGENIC		
SNP_36530B_48678272	Ca_Kabuli_Chr07	NC_021166.1	48678272	CC	AA	AA	INTERGENIC		
SNP_36531B_48678279	Ca_Kabuli_Chr07	NC_021166.1	48678279	AA	CC	CC	INTERGENIC		
SNP_36532B_48678289	Ca_Kabuli_Chr07	NC_021166.1	48678289	AA	GG	GG	INTERGENIC		
SNP_36533B_48678296	Ca_Kabuli_Chr07	NC_021166.1	48678296	TT	CC	CC	INTERGENIC		
SNP_36534B_48678607	Ca_Kabuli_Chr07	NC_021166.1	48678607	AA	GG	GG	INTERGENIC		
SNP_36535B_48703776	Ca_Kabuli_Chr07	NC_021166.1	48703776	CC	TT	TT	INTERGENIC		
SNP_36536B_48785109	Ca_Kabuli_Chr07	NC_021166.1	48785109	CC	TT	TT	INTERGENIC		
SNP_36537B_48788157	Ca_Kabuli_Chr07	NC_021166.1	48788157	CC	AA	AA	INTERGENIC		
SNP_36538B_48788311	Ca_Kabuli_Chr07	NC_021166.1	48788311	AA	CC	CC	INTERGENIC		
SNP_36539B_48788363	Ca_Kabuli_Chr07	NC_021166.1	48788363	GG	TT	TT	INTERGENIC		
SNP_36540B_48788367	Ca_Kabuli_Chr07	NC_021166.1	48788367	GG	AA	AA	INTERGENIC		
SNP_36541B_48805298	Ca_Kabuli_Chr07	NC_021166.1	48805298	AA	CC	CC	INTERGENIC		
SNP_36542B_48814121	Ca_Kabuli_Chr07	NC_021166.1	48814121	AA	GG	GG	INTERGENIC		
SNP_36543B_48826601	Ca_Kabuli_Chr07	NC_021166.1	48826601	AA	GG	GG	URR	101509683	uncharacterized LOC101509683
SNP_36544B_48826605	Ca_Kabuli_Chr07	NC_021166.1	48826605	CC	TT	TT	URR	101509683	uncharacterized LOC101509683
SNP_36545B_48871999	Ca_Kabuli_Chr07	NC_021166.1	48871999	TT	GG	GG	INTERGENIC		
SNP_36546B_48872609	Ca_Kabuli_Chr07	NC_021166.1	48872609	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_36547B_48872610	Ca_Kabuli_Chr07	NC_021166.1	48872610	AA	TT	TT	INTERGENIC		
SNP_36548B_48872667	Ca_Kabuli_Chr07	NC_021166.1	48872667	GG	AA	AA	INTERGENIC		
SNP_36549B_48877154	Ca_Kabuli_Chr07	NC_021166.1	48877154	CC	TT	TT	INTERGENIC		
SNP_36550B_48879234	Ca_Kabuli_Chr07	NC_021166.1	48879234	TT	AA	AA	INTERGENIC		
SNP_36551B_48879410	Ca_Kabuli_Chr07	NC_021166.1	48879410	CC	GG	GG	INTERGENIC		
SNP_36552B_48879470	Ca_Kabuli_Chr07	NC_021166.1	48879470	AA	GG	GG	INTERGENIC		
SNP_36553B_48894685	Ca_Kabuli_Chr07	NC_021166.1	48894685	AA	GG	GG	INTRON	101510978	uncharacterized LOC101510978
SNP_36554B_48918654	Ca_Kabuli_Chr07	NC_021166.1	48918654	TT	GG	GG	INTERGENIC		
SNP_36555B_48918656	Ca_Kabuli_Chr07	NC_021166.1	48918656	GG	AA	AA	INTERGENIC		
SNP_36556B_48942657	Ca_Kabuli_Chr07	NC_021166.1	48942657	CC	TT	TT	INTERGENIC		
SNP_36557B_48943988	Ca_Kabuli_Chr07	NC_021166.1	48943988	CC	AA	AA	INTERGENIC		
SNP_36558B_12826	Ca_Kabuli_Chr08	NC_021167.1	12826	AA	GG	GG	INTERGENIC		
SNP_36560B_15774	Ca_Kabuli_Chr08	NC_021167.1	15774	AA	GG	GG	DRR	101511287	Unknown function
SNP_36562B_16049	Ca_Kabuli_Chr08	NC_021167.1	16049	CC	AA	AA	DRR	101511287	Unknown function
SNP_36564B_16747	Ca_Kabuli_Chr08	NC_021167.1	16747	CC	GG	GG	NON_SYNONYMOUS_CODING	id179896	Unknown function
SNP_36565B_17770	Ca_Kabuli_Chr08	NC_021167.1	17770	AA	GG	GG	NON_SYNONYMOUS_CODING	id179896	Unknown function
SNP_36566B_17812	Ca_Kabuli_Chr08	NC_021167.1	17812	TT	GG	GG	NON_SYNONYMOUS_CODING	id179896	Unknown function
SNP_36567B_17961	Ca_Kabuli_Chr08	NC_021167.1	17961	AA	CC	CC	NON_SYNONYMOUS_CODING	id179896	Unknown function
SNP_36568B_18055	Ca_Kabuli_Chr08	NC_021167.1	18055	AA	CC	CC	NON_SYNONYMOUS_CODING	id179896	Unknown function
SNP_36569B_18201	Ca_Kabuli_Chr08	NC_021167.1	18201	GG	AA	AA	NON_SYNONYMOUS_CODING	id179896	Unknown function
SNP_36570B_18205	Ca_Kabuli_Chr08	NC_021167.1	18205	TT	CC	CC	NON_SYNONYMOUS_CODING	id179896	Unknown function
SNP_36571B_18256	Ca_Kabuli_Chr08	NC_021167.1	18256	TT	CC	CC	NON_SYNONYMOUS_CODING	id179896	Unknown function
SNP_36572B_18261	Ca_Kabuli_Chr08	NC_021167.1	18261	GG	AA	AA	NON_SYNONYMOUS_CODING	id179896	Unknown function
SNP_36575B_37460	Ca_Kabuli_Chr08	NC_021167.1	37460	AA	GG	GG	INTRON	101511505	methionyl-tRNA formyltransferase, mitochondrial

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_36576B_45517	Ca_Kabuli_Chr08	NC_021167.1	45517	TT	GG	GG	INTERGENIC		
SNP_36577B_45519	Ca_Kabuli_Chr08	NC_021167.1	45519	TT	AA	AA	INTERGENIC		
SNP_36579B_47640	Ca_Kabuli_Chr08	NC_021167.1	47640	CC	TT	TT	DRR	101512264	chaperone protein dnaJ 10
SNP_36580B_155383	Ca_Kabuli_Chr08	NC_021167.1	155383	GG	AA	AA	INTERGENIC		
SNP_36581B_191214	Ca_Kabuli_Chr08	NC_021167.1	191214	CC	AA	AA	INTERGENIC		
SNP_36582B_193858	Ca_Kabuli_Chr08	NC_021167.1	193858	AA	GG	GG	INTERGENIC		
SNP_36583B_193908	Ca_Kabuli_Chr08	NC_021167.1	193908	AA	GG	GG	INTERGENIC		
SNP_36584B_193959	Ca_Kabuli_Chr08	NC_021167.1	193959	AA	GG	GG	INTERGENIC		
SNP_36585B_194130	Ca_Kabuli_Chr08	NC_021167.1	194130	AA	GG	GG	INTERGENIC		
SNP_36586B_200021	Ca_Kabuli_Chr08	NC_021167.1	200021	CC	TT	TT	DRR	101489888	Unknown function
SNP_36587B_200036	Ca_Kabuli_Chr08	NC_021167.1	200036	GG	CC	CC	DRR	101489888	Unknown function
SNP_36588B_287411	Ca_Kabuli_Chr08	NC_021167.1	287411	AA	TT	TT	DRR	101410586	transfer RNA asparagine (anticodon GUU)
SNP_36589B_316251	Ca_Kabuli_Chr08	NC_021167.1	316251	AA	TT	TT	URR	101497145	myosin-2 heavy chain
SNP_36590B_331038	Ca_Kabuli_Chr08	NC_021167.1	331038	AA	CC	CC	URR	101498561	magnesium transporter MRS2-3
SNP_36591B_331056	Ca_Kabuli_Chr08	NC_021167.1	331056	AA	GG	GG	URR	101498561	magnesium transporter MRS2-3
SNP_36592B_331198	Ca_Kabuli_Chr08	NC_021167.1	331198	GG	AA	AA	URR	101498561	magnesium transporter MRS2-3
SNP_36593B_381755	Ca_Kabuli_Chr08	NC_021167.1	381755	CC	TT	TT	INTERGENIC		
SNP_36594B_415095	Ca_Kabuli_Chr08	NC_021167.1	415095	CC	TT	TT	URR	101501761	cysteine-rich receptor-like protein kinase 10
SNP_36595B_494479	Ca_Kabuli_Chr08	NC_021167.1	494479	CC	AA	AA	INTERGENIC		
SNP_36596B_520301	Ca_Kabuli_Chr08	NC_021167.1	520301	AA	GG	GG	INTERGENIC		
SNP_36597B_520302	Ca_Kabuli_Chr08	NC_021167.1	520302	AA	GG	GG	INTERGENIC		
SNP_36599B_535646	Ca_Kabuli_Chr08	NC_021167.1	535646	AA	CC	CC	INTERGENIC		
SNP_36600B_760731	Ca_Kabuli_Chr08	NC_021167.1	760731	CC	TT	TT	INTERGENIC		
SNP_36601B_815709	Ca_Kabuli_Chr08	NC_021167.1	815709	TT	GG	GG	URR	101495944	uncharacterized LOC101495944

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_36602B_866958	Ca_Kabuli_Chr08	NC_021167.1	866958	AA	CC	CC	INTERGENIC		
SNP_36603B_906287	Ca_Kabuli_Chr08	NC_021167.1	906287	AA	CC	CC	URR	101500810	target of Myb protein 1
SNP_36604B_920310	Ca_Kabuli_Chr08	NC_021167.1	920310	TT	GG	GG	INTRON	101501443	4-coumarate--CoA ligase 2
SNP_36605B_938139	Ca_Kabuli_Chr08	NC_021167.1	938139	CC	TT	TT	INTERGENIC		
SNP_36606B_1085102	Ca_Kabuli_Chr08	NC_021167.1	1085102	CC	TT	TT	INTRON	101488830	uncharacterized LOC101488830
SNP_36609B_1205613	Ca_Kabuli_Chr08	NC_021167.1	1205613	CC	TT	TT	INTRON	101515180	uncharacterized LOC101515180
SNP_36610B_1243945	Ca_Kabuli_Chr08	NC_021167.1	1243945	CC	TT	TT	URR	101498897	pentatricopeptide repeat-containing protein At4g20770
SNP_36612B_1393441	Ca_Kabuli_Chr08	NC_021167.1	1393441	AA	CC	CC	INTERGENIC		
SNP_36613B_1396928	Ca_Kabuli_Chr08	NC_021167.1	1396928	GG	AA	AA	INTERGENIC		
SNP_36614B_1430819	Ca_Kabuli_Chr08	NC_021167.1	1430819	AA	CC	CC	INTERGENIC		
SNP_36615B_1430822	Ca_Kabuli_Chr08	NC_021167.1	1430822	AA	TT	TT	INTERGENIC		
SNP_36616B_1439580	Ca_Kabuli_Chr08	NC_021167.1	1439580	CC	AA	AA	INTERGENIC		
SNP_36618B_1500184	Ca_Kabuli_Chr08	NC_021167.1	1500184	CC	TT	TT	INTERGENIC		
SNP_36620B_1606152	Ca_Kabuli_Chr08	NC_021167.1	1606152	TT	CC	CC	INTRON	101488928	E3 SUMO-protein ligase pli1
SNP_36621B_1616744	Ca_Kabuli_Chr08	NC_021167.1	1616744	TT	CC	CC	URR	101489485	protein SGT1 homolog A
SNP_36622B_1699965	Ca_Kabuli_Chr08	NC_021167.1	1699965	CC	TT	TT	INTERGENIC		
SNP_36623B_1699974	Ca_Kabuli_Chr08	NC_021167.1	1699974	CC	GG	GG	INTERGENIC		
SNP_36624B_1824210	Ca_Kabuli_Chr08	NC_021167.1	1824210	AA	GG	GG	INTERGENIC		
SNP_36625B_1863599	Ca_Kabuli_Chr08	NC_021167.1	1863599	CC	TT	TT	SYNONYMOUS_CODING	101501657	serine/threonine-protein phosphatase 7 long form homolog
SNP_36626B_1863707	Ca_Kabuli_Chr08	NC_021167.1	1863707	GG	AA	AA	SYNONYMOUS_CODING	101501657	serine/threonine-protein phosphatase 7 long form homolog
SNP_36627B_1864342	Ca_Kabuli_Chr08	NC_021167.1	1864342	TT	CC	CC	URR	101501657	serine/threonine-protein phosphatase 7 long form homolog
SNP_36628B_1864346	Ca_Kabuli_Chr08	NC_021167.1	1864346	TT	CC	CC	URR	101501657	serine/threonine-protein phosphatase 7 long form homolog
SNP_36629B_1864392	Ca_Kabuli_Chr08	NC_021167.1	1864392	TT	CC	CC	DRR	101501970	transcription factor MYB76-like
SNP_36632B_1963226	Ca_Kabuli_Chr08	NC_021167.1	1963226	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_36633B_2030373	Ca_Kabuli_Chr08	NC_021167.1	2030373	CC	AA	AA	INTRON	101509044	protein FAM63B
SNP_36634B_2032644	Ca_Kabuli_Chr08	NC_021167.1	2032644	CC	TT	TT	URR	101509044	protein FAM63B
SNP_36635B_2032703	Ca_Kabuli_Chr08	NC_021167.1	2032703	TT	CC	CC	URR	101509044	protein FAM63B
SNP_36636B_2033544	Ca_Kabuli_Chr08	NC_021167.1	2033544	TT	CC	CC	URR	101494650	uncharacterized LOC101494650
SNP_36637B_2033676	Ca_Kabuli_Chr08	NC_021167.1	2033676	CC	TT	TT	URR	101494650	uncharacterized LOC101494650
SNP_36638B_2033699	Ca_Kabuli_Chr08	NC_021167.1	2033699	GG	AA	AA	URR	101494650	uncharacterized LOC101494650
SNP_36639B_2057423	Ca_Kabuli_Chr08	NC_021167.1	2057423	TT	CC	CC	DRR	101510981	PGR5-like protein 1A, chloroplastic
SNP_36640B_2160573	Ca_Kabuli_Chr08	NC_021167.1	2160573	CC	TT	TT	INTERGENIC		
SNP_36642B_2345897	Ca_Kabuli_Chr08	NC_021167.1	2345897	TT	CC	CC	URR	101499948	vesicle-associated protein 1-2-like
SNP_36643B_2346056	Ca_Kabuli_Chr08	NC_021167.1	2346056	TT	AA	AA	URR	101499948	vesicle-associated protein 1-2-like
SNP_36644B_2346089	Ca_Kabuli_Chr08	NC_021167.1	2346089	TT	GG	GG	URR	101499948	vesicle-associated protein 1-2-like
SNP_36645B_2346123	Ca_Kabuli_Chr08	NC_021167.1	2346123	TT	GG	GG	URR	101499948	vesicle-associated protein 1-2-like
SNP_36646B_2346149	Ca_Kabuli_Chr08	NC_021167.1	2346149	CC	TT	TT	URR	101499948	vesicle-associated protein 1-2-like
SNP_36647B_2346363	Ca_Kabuli_Chr08	NC_021167.1	2346363	CC	GG	GG	URR	101499948	vesicle-associated protein 1-2-like
SNP_36648B_2346371	Ca_Kabuli_Chr08	NC_021167.1	2346371	TT	CC	CC	URR	101499948	vesicle-associated protein 1-2-like
SNP_36649B_2354260	Ca_Kabuli_Chr08	NC_021167.1	2354260	GG	TT	TT	INTRON	101495946	phosphatidylinositol/phosphatidylcholine transfer protein SFH11
SNP_36650B_2431063	Ca_Kabuli_Chr08	NC_021167.1	2431063	CC	TT	TT	INTERGENIC		
SNP_36651B_2442201	Ca_Kabuli_Chr08	NC_021167.1	2442201	GG	CC	CC	INTERGENIC		
SNP_36652B_2479847	Ca_Kabuli_Chr08	NC_021167.1	2479847	AA	CC	CC	URR	101496607	uncharacterized LOC101496607
SNP_36655B_2552175	Ca_Kabuli_Chr08	NC_021167.1	2552175	TT	CC	CC	INTERGENIC		
SNP_36656B_2552184	Ca_Kabuli_Chr08	NC_021167.1	2552184	AA	GG	GG	INTERGENIC		
SNP_36657B_2608854	Ca_Kabuli_Chr08	NC_021167.1	2608854	GG	AA	AA	INTERGENIC		
SNP_36659B_2890383	Ca_Kabuli_Chr08	NC_021167.1	2890383	CC	AA	AA	NON_SYNONYMOUS_CODING	101495398	lon protease homolog 2, peroxisomal
SNP_36660B_3128361	Ca_Kabuli_Chr08	NC_021167.1	3128361	CC	TT	TT	URR	101505292	acetylornithine deacetylase

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_36662B_3266257	Ca_Kabuli_Chr08	NC_021167.1	3266257	GG	AA	AA	INTERGENIC		
SNP_36663B_3330227	Ca_Kabuli_Chr08	NC_021167.1	3330227	TT	AA	AA	INTERGENIC		
SNP_36664B_3335083	Ca_Kabuli_Chr08	NC_021167.1	3335083	TT	GG	GG	INTERGENIC		
SNP_36666B_3418679	Ca_Kabuli_Chr08	NC_021167.1	3418679	CC	TT	TT	INTERGENIC		
SNP_36667B_3545657	Ca_Kabuli_Chr08	NC_021167.1	3545657	TT	CC	CC	URR	101493275	BTB/POZ domain-containing protein At3g49900
SNP_36668B_3545661	Ca_Kabuli_Chr08	NC_021167.1	3545661	GG	CC	CC	URR	101493275	BTB/POZ domain-containing protein At3g49900
SNP_36669B_3545848	Ca_Kabuli_Chr08	NC_021167.1	3545848	TT	GG	GG	URR	101493275	BTB/POZ domain-containing protein At3g49900
SNP_36670B_3588382	Ca_Kabuli_Chr08	NC_021167.1	3588382	AA	GG	GG	INTERGENIC		
SNP_36671B_3639513	Ca_Kabuli_Chr08	NC_021167.1	3639513	CC	TT	TT	INTERGENIC		
SNP_36672B_3669431	Ca_Kabuli_Chr08	NC_021167.1	3669431	TT	CC	CC	INTERGENIC		
SNP_36673B_3673487	Ca_Kabuli_Chr08	NC_021167.1	3673487	TT	CC	CC	INTERGENIC		
SNP_36674B_3673499	Ca_Kabuli_Chr08	NC_021167.1	3673499	AA	CC	CC	INTERGENIC		
SNP_36675B_3673586	Ca_Kabuli_Chr08	NC_021167.1	3673586	TT	CC	CC	INTERGENIC		
SNP_36676B_3777781	Ca_Kabuli_Chr08	NC_021167.1	3777781	TT	AA	AA	URR	101501446	subtilisin-like protease SBT1.7
SNP_36678B_3809247	Ca_Kabuli_Chr08	NC_021167.1	3809247	TT	CC	CC	URR	101503264	DNA-directed RNA polymerases II and IV subunit 5A-like
SNP_36679B_3896792	Ca_Kabuli_Chr08	NC_021167.1	3896792	AA	TT	TT	INTERGENIC		
SNP_36680B_3916685	Ca_Kabuli_Chr08	NC_021167.1	3916685	AA	TT	TT	INTERGENIC		
SNP_36681B_3935728	Ca_Kabuli_Chr08	NC_021167.1	3935728	TT	CC	CC	URR	101508186	phosphatidylinositol 3,4,5-trisphosphate 3-phosphatase TPTE2-like
SNP_36682B_3948846	Ca_Kabuli_Chr08	NC_021167.1	3948846	CC	TT	TT	INTERGENIC		
SNP_36683B_3953590	Ca_Kabuli_Chr08	NC_021167.1	3953590	GG	AA	AA	URR	101509570	40S ribosomal protein SA-like
SNP_36684B_3964201	Ca_Kabuli_Chr08	NC_021167.1	3964201	TT	AA	AA	DRR	101510211	SUMO-conjugating enzyme SCE1
SNP_36685B_3972130	Ca_Kabuli_Chr08	NC_021167.1	3972130	AA	TT	TT	URR	101510546	uncharacterized LOC101510546
SNP_36686B_4012185	Ca_Kabuli_Chr08	NC_021167.1	4012185	GG	AA	AA	INTERGENIC		
SNP_36687B_4018355	Ca_Kabuli_Chr08	NC_021167.1	4018355	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_36691B_4140056	Ca_Kabuli_Chr08	NC_021167.1	4140056	AA	GG	GG	DRR	101491195	Unknown function
SNP_36693B_4214749	Ca_Kabuli_Chr08	NC_021167.1	4214749	AA	GG	GG	INTERGENIC		
SNP_36694B_4216460	Ca_Kabuli_Chr08	NC_021167.1	4216460	CC	TT	TT	INTERGENIC		
SNP_36696B_4281196	Ca_Kabuli_Chr08	NC_021167.1	4281196	CC	TT	TT	INTERGENIC		
SNP_36697B_4317020	Ca_Kabuli_Chr08	NC_021167.1	4317020	CC	TT	TT	INTERGENIC		
SNP_36698B_4320609	Ca_Kabuli_Chr08	NC_021167.1	4320609	GG	AA	AA	DRR	101498469	uncharacterized LOC101498469
SNP_36702B_4451264	Ca_Kabuli_Chr08	NC_021167.1	4451264	AA	GG	GG	INTERGENIC		
SNP_36703B_4487593	Ca_Kabuli_Chr08	NC_021167.1	4487593	CC	TT	TT	DRR	101503355	reticulon-like protein B13
SNP_36704B_4489660	Ca_Kabuli_Chr08	NC_021167.1	4489660	AA	CC	CC	URR	101503355	reticulon-like protein B13
SNP_36706B_4799555	Ca_Kabuli_Chr08	NC_021167.1	4799555	GG	AA	AA	INTERGENIC		
SNP_36708B_4896015	Ca_Kabuli_Chr08	NC_021167.1	4896015	GG	CC	CC	INTERGENIC		
SNP_36709B_4901909	Ca_Kabuli_Chr08	NC_021167.1	4901909	CC	AA	AA	URR	101493059	probable protein phosphatase 2C 80
SNP_36712B_5069471	Ca_Kabuli_Chr08	NC_021167.1	5069471	CC	TT	TT	INTERGENIC		
SNP_36713B_5069746	Ca_Kabuli_Chr08	NC_021167.1	5069746	TT	CC	CC	INTERGENIC		
SNP_36714B_5069841	Ca_Kabuli_Chr08	NC_021167.1	5069841	GG	AA	AA	INTERGENIC		
SNP_36715B_5069915	Ca_Kabuli_Chr08	NC_021167.1	5069915	TT	GG	GG	INTERGENIC		
SNP_36716B_5069959	Ca_Kabuli_Chr08	NC_021167.1	5069959	GG	TT	TT	INTERGENIC		
SNP_36717B_5069965	Ca_Kabuli_Chr08	NC_021167.1	5069965	TT	CC	CC	INTERGENIC		
SNP_36718B_5069979	Ca_Kabuli_Chr08	NC_021167.1	5069979	AA	CC	CC	INTERGENIC		
SNP_36719B_5070006	Ca_Kabuli_Chr08	NC_021167.1	5070006	CC	TT	TT	INTERGENIC		
SNP_36720B_5070033	Ca_Kabuli_Chr08	NC_021167.1	5070033	GG	TT	TT	INTERGENIC		
SNP_36721B_5070040	Ca_Kabuli_Chr08	NC_021167.1	5070040	AA	CC	CC	INTERGENIC		
SNP_36722B_5070453	Ca_Kabuli_Chr08	NC_021167.1	5070453	TT	CC	CC	INTERGENIC		
SNP_36723B_5075027	Ca_Kabuli_Chr08	NC_021167.1	5075027	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_36724B_5088382	Ca_Kabuli_Chr08	NC_021167.1	5088382	AA	CC	CC	INTERGENIC		
SNP_36725B_5088588	Ca_Kabuli_Chr08	NC_021167.1	5088588	AA	CC	CC	INTERGENIC		
SNP_36726B_5088635	Ca_Kabuli_Chr08	NC_021167.1	5088635	GG	AA	AA	INTERGENIC		
SNP_36727B_5088818	Ca_Kabuli_Chr08	NC_021167.1	5088818	CC	TT	TT	INTERGENIC		
SNP_36728B_5089202	Ca_Kabuli_Chr08	NC_021167.1	5089202	AA	GG	GG	INTERGENIC		
SNP_36729B_5089275	Ca_Kabuli_Chr08	NC_021167.1	5089275	AA	CC	CC	INTERGENIC		
SNP_36730B_5089501	Ca_Kabuli_Chr08	NC_021167.1	5089501	TT	GG	GG	INTERGENIC		
SNP_36731B_5100544	Ca_Kabuli_Chr08	NC_021167.1	5100544	AA	GG	GG	DRR	101410557	transfer RNA isoleucine (anticodon UAU)
SNP_36732B_5130343	Ca_Kabuli_Chr08	NC_021167.1	5130343	GG	AA	AA	INTERGENIC		
SNP_36733B_5130368	Ca_Kabuli_Chr08	NC_021167.1	5130368	CC	AA	AA	INTERGENIC		
SNP_36734B_5131770	Ca_Kabuli_Chr08	NC_021167.1	5131770	AA	TT	TT	INTERGENIC		
SNP_36735B_5208145	Ca_Kabuli_Chr08	NC_021167.1	5208145	AA	CC	CC	INTRON	101504568	ATPase family AAA domain-containing protein 3C
SNP_36736B_5220934	Ca_Kabuli_Chr08	NC_021167.1	5220934	GG	TT	TT	INTRON	101507250	Unknown function
SNP_36737B_5221650	Ca_Kabuli_Chr08	NC_021167.1	5221650	CC	GG	GG	INTRON	101507250	Unknown function
SNP_36738B_5221833	Ca_Kabuli_Chr08	NC_021167.1	5221833	AA	CC	CC	NON_SYNONYMOUS_CODING	101507250	Unknown function
SNP_36739B_5221864	Ca_Kabuli_Chr08	NC_021167.1	5221864	CC	TT	TT	SYNONYMOUS_CODING	101507250	Unknown function
SNP_36740B_5221873	Ca_Kabuli_Chr08	NC_021167.1	5221873	CC	TT	TT	NON_SYNONYMOUS_CODING	101507250	Unknown function
SNP_36741B_5221952	Ca_Kabuli_Chr08	NC_021167.1	5221952	GG	TT	TT	INTRON	101507250	Unknown function
SNP_36742B_5269145	Ca_Kabuli_Chr08	NC_021167.1	5269145	CC	AA	AA	INTRON	101506700	syntaxin-112
SNP_36743B_5269208	Ca_Kabuli_Chr08	NC_021167.1	5269208	AA	TT	TT	INTRON	101506700	syntaxin-112
SNP_36744B_5269309	Ca_Kabuli_Chr08	NC_021167.1	5269309	TT	CC	CC	INTRON	101506700	syntaxin-112
SNP_36745B_5269355	Ca_Kabuli_Chr08	NC_021167.1	5269355	TT	GG	GG	INTRON	101506700	syntaxin-112
SNP_36746B_5269394	Ca_Kabuli_Chr08	NC_021167.1	5269394	TT	AA	AA	INTRON	101506700	syntaxin-112
SNP_36747B_5271017	Ca_Kabuli_Chr08	NC_021167.1	5271017	CC	TT	TT	INTRON	101506700	syntaxin-112

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_36748B_5303748	Ca_Kabuli_Chr08	NC_021167.1	5303748	GG	AA	AA	INTERGENIC		
SNP_36749B_5319853	Ca_Kabuli_Chr08	NC_021167.1	5319853	GG	AA	AA	INTERGENIC		
SNP_36752B_5381045	Ca_Kabuli_Chr08	NC_021167.1	5381045	CC	TT	TT	DRR	101511732	phosphatidylinositol/phosphatidylcholine transfer protein SFH12-like
SNP_36753B_5421914	Ca_Kabuli_Chr08	NC_021167.1	5421914	CC	TT	TT	DRR	101513990	uncharacterized LOC101513990
SNP_36755B_5525196	Ca_Kabuli_Chr08	NC_021167.1	5525196	CC	TT	TT	URR	101491312	cytochrome P450 84A1
SNP_36756B_5578425	Ca_Kabuli_Chr08	NC_021167.1	5578425	AA	TT	TT	INTERGENIC		
SNP_36757B_5578988	Ca_Kabuli_Chr08	NC_021167.1	5578988	CC	TT	TT	INTERGENIC		
SNP_36760B_5719139	Ca_Kabuli_Chr08	NC_021167.1	5719139	CC	TT	TT	NON_SYNONYMOUS_CODING	101499842	auxin-induced protein 15A
SNP_36761B_5719176	Ca_Kabuli_Chr08	NC_021167.1	5719176	GG	AA	AA	SYNONYMOUS_CODING	101499842	auxin-induced protein 15A
SNP_36762B_5719181	Ca_Kabuli_Chr08	NC_021167.1	5719181	TT	GG	GG	NON_SYNONYMOUS_CODING	101499842	auxin-induced protein 15A
SNP_36763B_5719191	Ca_Kabuli_Chr08	NC_021167.1	5719191	CC	TT	TT	SYNONYMOUS_CODING	101499842	auxin-induced protein 15A
SNP_36764B_5719194	Ca_Kabuli_Chr08	NC_021167.1	5719194	TT	GG	GG	SYNONYMOUS_CODING	101499842	auxin-induced protein 15A
SNP_36765B_5719252	Ca_Kabuli_Chr08	NC_021167.1	5719252	GG	AA	AA	URR	101499842	auxin-induced protein 15A
SNP_36766B_5719296	Ca_Kabuli_Chr08	NC_021167.1	5719296	GG	TT	TT	URR	101499842	auxin-induced protein 15A
SNP_36767B_5719338	Ca_Kabuli_Chr08	NC_021167.1	5719338	AA	GG	GG	URR	101499842	auxin-induced protein 15A
SNP_36768B_5719380	Ca_Kabuli_Chr08	NC_021167.1	5719380	TT	CC	CC	URR	101499842	auxin-induced protein 15A
SNP_36769B_5719399	Ca_Kabuli_Chr08	NC_021167.1	5719399	AA	GG	GG	URR	101499842	auxin-induced protein 15A
SNP_36770B_5719434	Ca_Kabuli_Chr08	NC_021167.1	5719434	CC	TT	TT	URR	101499842	auxin-induced protein 15A
SNP_36771B_5719461	Ca_Kabuli_Chr08	NC_021167.1	5719461	TT	GG	GG	URR	101499842	auxin-induced protein 15A
SNP_36772B_5719625	Ca_Kabuli_Chr08	NC_021167.1	5719625	CC	GG	GG	URR	101499842	auxin-induced protein 15A
SNP_36773B_5719697	Ca_Kabuli_Chr08	NC_021167.1	5719697	GG	AA	AA	URR	101499842	auxin-induced protein 15A
SNP_36774B_5719702	Ca_Kabuli_Chr08	NC_021167.1	5719702	CC	TT	TT	URR	101499842	auxin-induced protein 15A
SNP_36775B_5719724	Ca_Kabuli_Chr08	NC_021167.1	5719724	CC	TT	TT	URR	101499842	auxin-induced protein 15A
SNP_36776B_5719767	Ca_Kabuli_Chr08	NC_021167.1	5719767	AA	CC	CC	URR	101499842	auxin-induced protein 15A

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_36777B_5719777	Ca_Kabuli_Chr08	NC_021167.1	5719777	AA	TT	TT	URR	101499842	auxin-induced protein 15A
SNP_36778B_5719783	Ca_Kabuli_Chr08	NC_021167.1	5719783	TT	CC	CC	URR	101499842	auxin-induced protein 15A
SNP_36779B_5719784	Ca_Kabuli_Chr08	NC_021167.1	5719784	AA	TT	TT	URR	101499842	auxin-induced protein 15A
SNP_36780B_5719785	Ca_Kabuli_Chr08	NC_021167.1	5719785	AA	GG	GG	URR	101499842	auxin-induced protein 15A
SNP_36782B_5719978	Ca_Kabuli_Chr08	NC_021167.1	5719978	GG	CC	CC	URR	101499842	auxin-induced protein 15A
SNP_36783B_5719981	Ca_Kabuli_Chr08	NC_021167.1	5719981	GG	AA	AA	URR	101499842	auxin-induced protein 15A
SNP_36784B_5720033	Ca_Kabuli_Chr08	NC_021167.1	5720033	CC	TT	TT	URR	101499842	auxin-induced protein 15A
SNP_36785B_5720037	Ca_Kabuli_Chr08	NC_021167.1	5720037	CC	TT	TT	URR	101499842	auxin-induced protein 15A
SNP_36786B_5720092	Ca_Kabuli_Chr08	NC_021167.1	5720092	AA	GG	GG	URR	101499842	auxin-induced protein 15A
SNP_36787B_5720101	Ca_Kabuli_Chr08	NC_021167.1	5720101	GG	AA	AA	URR	101499842	auxin-induced protein 15A
SNP_36788B_5720118	Ca_Kabuli_Chr08	NC_021167.1	5720118	TT	AA	AA	URR	101499842	auxin-induced protein 15A
SNP_36789B_5720123	Ca_Kabuli_Chr08	NC_021167.1	5720123	CC	TT	TT	URR	101499842	auxin-induced protein 15A
SNP_36790B_5720149	Ca_Kabuli_Chr08	NC_021167.1	5720149	CC	TT	TT	URR	101499842	auxin-induced protein 15A
SNP_36792B_5724683	Ca_Kabuli_Chr08	NC_021167.1	5724683	TT	AA	AA	DRR	101508826	uncharacterized LOC101508826
SNP_36793B_5733085	Ca_Kabuli_Chr08	NC_021167.1	5733085	GG	AA	AA	INTERGENIC		
SNP_36795B_5779449	Ca_Kabuli_Chr08	NC_021167.1	5779449	TT	GG	GG	INTERGENIC		
SNP_36796B_5779450	Ca_Kabuli_Chr08	NC_021167.1	5779450	TT	CC	CC	INTERGENIC		
SNP_36797B_5879022	Ca_Kabuli_Chr08	NC_021167.1	5879022	GG	AA	AA	INTERGENIC		
SNP_36798B_5879126	Ca_Kabuli_Chr08	NC_021167.1	5879126	AA	GG	GG	INTERGENIC		
SNP_36799B_6052326	Ca_Kabuli_Chr08	NC_021167.1	6052326	CC	AA	AA	DRR	101410591	transfer RNA glutamic acid (anticodon UUC)
SNP_36800B_6055966	Ca_Kabuli_Chr08	NC_021167.1	6055966	CC	TT	TT	URR	101410591	transfer RNA glutamic acid (anticodon UUC)
SNP_36801B_6056125	Ca_Kabuli_Chr08	NC_021167.1	6056125	CC	TT	TT	URR	101410591	transfer RNA glutamic acid (anticodon UUC)
SNP_36802B_6056415	Ca_Kabuli_Chr08	NC_021167.1	6056415	AA	GG	GG	URR	101410591	transfer RNA glutamic acid (anticodon UUC)
SNP_36803B_6056427	Ca_Kabuli_Chr08	NC_021167.1	6056427	TT	GG	GG	URR	101410591	transfer RNA glutamic acid (anticodon UUC)

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_36804B_6056450	Ca_Kabuli_Chr08	NC_021167.1	6056450	AA	GG	GG	URR	101410591	transfer RNA glutamic acid (anticodon UUC)
SNP_36805B_6056496	Ca_Kabuli_Chr08	NC_021167.1	6056496	TT	CC	CC	URR	101410591	transfer RNA glutamic acid (anticodon UUC)
SNP_36806B_6066992	Ca_Kabuli_Chr08	NC_021167.1	6066992	GG	TT	TT	INTERGENIC		
SNP_36807B_6076002	Ca_Kabuli_Chr08	NC_021167.1	6076002	CC	AA	AA	INTERGENIC		
SNP_36808B_6082364	Ca_Kabuli_Chr08	NC_021167.1	6082364	GG	AA	AA	URR	101513337	F-box protein At3g07870-like
SNP_36809B_6086814	Ca_Kabuli_Chr08	NC_021167.1	6086814	GG	AA	AA	INTERGENIC		
SNP_36810B_6086830	Ca_Kabuli_Chr08	NC_021167.1	6086830	AA	GG	GG	INTERGENIC		
SNP_36811B_6086857	Ca_Kabuli_Chr08	NC_021167.1	6086857	CC	AA	AA	INTERGENIC		
SNP_36812B_6086865	Ca_Kabuli_Chr08	NC_021167.1	6086865	CC	GG	GG	INTERGENIC		
SNP_36813B_6086867	Ca_Kabuli_Chr08	NC_021167.1	6086867	GG	AA	AA	INTERGENIC		
SNP_36814B_6086921	Ca_Kabuli_Chr08	NC_021167.1	6086921	AA	GG	GG	INTERGENIC		
SNP_36815B_6086942	Ca_Kabuli_Chr08	NC_021167.1	6086942	AA	GG	GG	INTERGENIC		
SNP_36816B_6087236	Ca_Kabuli_Chr08	NC_021167.1	6087236	CC	TT	TT	INTERGENIC		
SNP_36817B_6087577	Ca_Kabuli_Chr08	NC_021167.1	6087577	AA	TT	TT	INTERGENIC		
SNP_36818B_6087639	Ca_Kabuli_Chr08	NC_021167.1	6087639	TT	AA	AA	INTERGENIC		
SNP_36819B_6087664	Ca_Kabuli_Chr08	NC_021167.1	6087664	AA	GG	GG	INTERGENIC		
SNP_36820B_6087967	Ca_Kabuli_Chr08	NC_021167.1	6087967	TT	GG	GG	INTERGENIC		
SNP_36822B_6128984	Ca_Kabuli_Chr08	NC_021167.1	6128984	AA	GG	GG	INTERGENIC		
SNP_36823B_6129406	Ca_Kabuli_Chr08	NC_021167.1	6129406	AA	GG	GG	INTERGENIC		
SNP_36825B_6138167	Ca_Kabuli_Chr08	NC_021167.1	6138167	TT	AA	AA	URR	101515299	NEP1-interacting protein 1
SNP_36826B_6198505	Ca_Kabuli_Chr08	NC_021167.1	6198505	CC	TT	TT	INTRON	101490234	phospholipase D delta
SNP_36827B_6261733	Ca_Kabuli_Chr08	NC_021167.1	6261733	GG	AA	AA	INTRON	101513560	serine/threonine-protein kinase CTR1
SNP_36828B_6292364	Ca_Kabuli_Chr08	NC_021167.1	6292364	CC	TT	TT	INTERGENIC		
SNP_36829B_6301111	Ca_Kabuli_Chr08	NC_021167.1	6301111	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_36830B_6301121	Ca_Kabuli_Chr08	NC_021167.1	6301121	AA	GG	GG	INTERGENIC		
SNP_36831B_6301413	Ca_Kabuli_Chr08	NC_021167.1	6301413	GG	TT	TT	INTERGENIC		
SNP_36832B_6307062	Ca_Kabuli_Chr08	NC_021167.1	6307062	GG	AA	AA	INTERGENIC		
SNP_36834B_6307197	Ca_Kabuli_Chr08	NC_021167.1	6307197	CC	TT	TT	INTERGENIC		
SNP_36835B_6307211	Ca_Kabuli_Chr08	NC_021167.1	6307211	TT	AA	AA	INTERGENIC		
SNP_36836B_6307283	Ca_Kabuli_Chr08	NC_021167.1	6307283	TT	CC	CC	INTERGENIC		
SNP_36837B_6307402	Ca_Kabuli_Chr08	NC_021167.1	6307402	TT	AA	AA	INTERGENIC		
SNP_36838B_6307426	Ca_Kabuli_Chr08	NC_021167.1	6307426	TT	CC	CC	INTERGENIC		
SNP_36839B_6307460	Ca_Kabuli_Chr08	NC_021167.1	6307460	GG	AA	AA	INTERGENIC		
SNP_36840B_6330284	Ca_Kabuli_Chr08	NC_021167.1	6330284	GG	AA	AA	INTERGENIC		
SNP_36841B_6330288	Ca_Kabuli_Chr08	NC_021167.1	6330288	CC	TT	TT	INTERGENIC		
SNP_36842B_6343421	Ca_Kabuli_Chr08	NC_021167.1	6343421	GG	AA	AA	INTERGENIC		
SNP_36843B_6347632	Ca_Kabuli_Chr08	NC_021167.1	6347632	TT	CC	CC	URR	101488835	uncharacterized LOC101488835
SNP_36844B_6466093	Ca_Kabuli_Chr08	NC_021167.1	6466093	AA	TT	TT	URR	101492492	leghemoglobin 1-like
SNP_36846B_6492087	Ca_Kabuli_Chr08	NC_021167.1	6492087	TT	GG	GG	NON_SYNONYMOUS_CODING	101493063	G2/mitotic-specific cyclin-1-like
SNP_36847B_6492381	Ca_Kabuli_Chr08	NC_021167.1	6492381	CC	TT	TT	URR	101493063	G2/mitotic-specific cyclin-1-like
SNP_36849B_6492558	Ca_Kabuli_Chr08	NC_021167.1	6492558	TT	AA	AA	URR	101493063	G2/mitotic-specific cyclin-1-like
SNP_36851B_6492679	Ca_Kabuli_Chr08	NC_021167.1	6492679	CC	TT	TT	URR	101493063	G2/mitotic-specific cyclin-1-like
SNP_36852B_6492771	Ca_Kabuli_Chr08	NC_021167.1	6492771	AA	GG	GG	URR	101493063	G2/mitotic-specific cyclin-1-like
SNP_36853B_6492900	Ca_Kabuli_Chr08	NC_021167.1	6492900	GG	AA	AA	URR	101493063	G2/mitotic-specific cyclin-1-like
SNP_36854B_6492902	Ca_Kabuli_Chr08	NC_021167.1	6492902	AA	TT	TT	URR	101493063	G2/mitotic-specific cyclin-1-like
SNP_36855B_6492934	Ca_Kabuli_Chr08	NC_021167.1	6492934	AA	CC	CC	URR	101493063	G2/mitotic-specific cyclin-1-like
SNP_36856B_6493025	Ca_Kabuli_Chr08	NC_021167.1	6493025	AA	GG	GG	URR	101493063	G2/mitotic-specific cyclin-1-like
SNP_36857B_6493146	Ca_Kabuli_Chr08	NC_021167.1	6493146	TT	AA	AA	URR	101493063	G2/mitotic-specific cyclin-1-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_36858B_6493207	Ca_Kabuli_Chr08	NC_021167.1	6493207	CC	TT	TT	URR	101493063	G2/mitotic-specific cyclin-1-like
SNP_36859B_6493236	Ca_Kabuli_Chr08	NC_021167.1	6493236	CC	AA	AA	URR	101493063	G2/mitotic-specific cyclin-1-like
SNP_36861B_6606990	Ca_Kabuli_Chr08	NC_021167.1	6606990	CC	GG	GG	INTRON	101497483	uncharacterized LOC101497483
SNP_36862B_6647699	Ca_Kabuli_Chr08	NC_021167.1	6647699	CC	TT	TT	INTERGENIC		
SNP_36863B_6675560	Ca_Kabuli_Chr08	NC_021167.1	6675560	CC	TT	TT	DRR	101500713	SRSF protein kinase 1-like
SNP_36864B_6735234	Ca_Kabuli_Chr08	NC_021167.1	6735234	TT	AA	AA	INTERGENIC		
SNP_36865B_6765459	Ca_Kabuli_Chr08	NC_021167.1	6765459	GG	AA	AA	INTERGENIC		
SNP_36866B_6792628	Ca_Kabuli_Chr08	NC_021167.1	6792628	CC	TT	TT	INTERGENIC		
SNP_36867B_6818011	Ca_Kabuli_Chr08	NC_021167.1	6818011	GG	AA	AA	INTRON	101505403	putative protease Do-like 14
SNP_36868B_6919897	Ca_Kabuli_Chr08	NC_021167.1	6919897	CC	AA	AA	INTERGENIC		
SNP_36869B_6924761	Ca_Kabuli_Chr08	NC_021167.1	6924761	CC	TT	TT	INTERGENIC		
SNP_36870B_6930391	Ca_Kabuli_Chr08	NC_021167.1	6930391	TT	AA	AA	INTERGENIC		
SNP_36872B_6978326	Ca_Kabuli_Chr08	NC_021167.1	6978326	GG	AA	AA	URR	101507992	diacylglycerol O-acyltransferase 2
SNP_36874B_7129623	Ca_Kabuli_Chr08	NC_021167.1	7129623	AA	GG	GG	DRR	101513757	chitinase domain-containing protein 1
SNP_36875B_7129626	Ca_Kabuli_Chr08	NC_021167.1	7129626	TT	GG	GG	DRR	101513757	chitinase domain-containing protein 1
SNP_36876B_7156048	Ca_Kabuli_Chr08	NC_021167.1	7156048	AA	GG	GG	URR	101515503	zinc finger MYM-type protein 1-like
SNP_36878B_7285367	Ca_Kabuli_Chr08	NC_021167.1	7285367	AA	GG	GG	INTERGENIC		
SNP_36879B_7368904	Ca_Kabuli_Chr08	NC_021167.1	7368904	TT	CC	CC	DRR	101495623	rop guanine nucleotide exchange factor 14
SNP_36880B_7368906	Ca_Kabuli_Chr08	NC_021167.1	7368906	TT	AA	AA	DRR	101495623	rop guanine nucleotide exchange factor 14
SNP_36881B_7368933	Ca_Kabuli_Chr08	NC_021167.1	7368933	AA	GG	GG	DRR	101495623	rop guanine nucleotide exchange factor 14
SNP_36882B_7401987	Ca_Kabuli_Chr08	NC_021167.1	7401987	CC	TT	TT	INTERGENIC		
SNP_36883B_7563385	Ca_Kabuli_Chr08	NC_021167.1	7563385	GG	TT	TT	INTERGENIC		
SNP_36884B_7563641	Ca_Kabuli_Chr08	NC_021167.1	7563641	CC	GG	GG	INTERGENIC		
SNP_36885B_7563696	Ca_Kabuli_Chr08	NC_021167.1	7563696	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_36886B_7563737	Ca_Kabuli_Chr08	NC_021167.1	7563737	AA	GG	GG	INTERGENIC		
SNP_36887B_7597117	Ca_Kabuli_Chr08	NC_021167.1	7597117	GG	AA	AA	INTERGENIC		
SNP_36888B_7635681	Ca_Kabuli_Chr08	NC_021167.1	7635681	GG	TT	TT	INTERGENIC		
SNP_36889B_7651651	Ca_Kabuli_Chr08	NC_021167.1	7651651	AA	TT	TT	INTERGENIC		
SNP_36891B_7691912	Ca_Kabuli_Chr08	NC_021167.1	7691912	TT	CC	CC	URR	101509150	uncharacterized LOC101509150
SNP_36892B_7741486	Ca_Kabuli_Chr08	NC_021167.1	7741486	GG	AA	AA	INTRON	101512796	60S ribosomal protein L35a-1
SNP_36893B_7775331	Ca_Kabuli_Chr08	NC_021167.1	7775331	AA	TT	TT	INTERGENIC		
SNP_36894B_7775641	Ca_Kabuli_Chr08	NC_021167.1	7775641	TT	CC	CC	INTERGENIC		
SNP_36895B_7775663	Ca_Kabuli_Chr08	NC_021167.1	7775663	GG	AA	AA	INTERGENIC		
SNP_36896B_7775667	Ca_Kabuli_Chr08	NC_021167.1	7775667	CC	TT	TT	INTERGENIC		
SNP_36897B_7775693	Ca_Kabuli_Chr08	NC_021167.1	7775693	CC	TT	TT	INTERGENIC		
SNP_36898B_7775708	Ca_Kabuli_Chr08	NC_021167.1	7775708	CC	TT	TT	INTERGENIC		
SNP_36899B_7775720	Ca_Kabuli_Chr08	NC_021167.1	7775720	GG	AA	AA	INTERGENIC		
SNP_36900B_7775860	Ca_Kabuli_Chr08	NC_021167.1	7775860	TT	AA	AA	INTERGENIC		
SNP_36901B_7775861	Ca_Kabuli_Chr08	NC_021167.1	7775861	GG	CC	CC	INTERGENIC		
SNP_36902B_7775908	Ca_Kabuli_Chr08	NC_021167.1	7775908	TT	GG	GG	INTERGENIC		
SNP_36903B_7776014	Ca_Kabuli_Chr08	NC_021167.1	7776014	GG	TT	TT	INTERGENIC		
SNP_36904B_7776018	Ca_Kabuli_Chr08	NC_021167.1	7776018	CC	TT	TT	INTERGENIC		
SNP_36905B_7776130	Ca_Kabuli_Chr08	NC_021167.1	7776130	TT	AA	AA	INTERGENIC		
SNP_36906B_7777195	Ca_Kabuli_Chr08	NC_021167.1	7777195	TT	CC	CC	INTERGENIC		
SNP_36907B_7777312	Ca_Kabuli_Chr08	NC_021167.1	7777312	AA	CC	CC	INTERGENIC		
SNP_36908B_7777469	Ca_Kabuli_Chr08	NC_021167.1	7777469	TT	GG	GG	INTERGENIC		
SNP_36910B_7777497	Ca_Kabuli_Chr08	NC_021167.1	7777497	AA	TT	TT	INTERGENIC		
SNP_36911B_7777547	Ca_Kabuli_Chr08	NC_021167.1	7777547	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_36912B_7777575	Ca_Kabuli_Chr08	NC_021167.1	7777575	GG	AA	AA	INTERGENIC		
SNP_36914B_7777741	Ca_Kabuli_Chr08	NC_021167.1	7777741	GG	CC	CC	INTERGENIC		
SNP_36915B_7777749	Ca_Kabuli_Chr08	NC_021167.1	7777749	GG	CC	CC	INTERGENIC		
SNP_36916B_7802467	Ca_Kabuli_Chr08	NC_021167.1	7802467	CC	TT	TT	URR	101515300	protein PAM68, chloroplastic
SNP_36917B_7802500	Ca_Kabuli_Chr08	NC_021167.1	7802500	TT	CC	CC	URR	101515300	protein PAM68, chloroplastic
SNP_36918B_7802902	Ca_Kabuli_Chr08	NC_021167.1	7802902	CC	TT	TT	URR	101515300	protein PAM68, chloroplastic
SNP_36919B_7802913	Ca_Kabuli_Chr08	NC_021167.1	7802913	AA	CC	CC	URR	101515300	protein PAM68, chloroplastic
SNP_36920B_7802951	Ca_Kabuli_Chr08	NC_021167.1	7802951	AA	GG	GG	URR	101515300	protein PAM68, chloroplastic
SNP_36921B_7851778	Ca_Kabuli_Chr08	NC_021167.1	7851778	TT	CC	CC	INTRON	101490237	protein ENHANCED DISEASE RESISTANCE 2
SNP_36922B_7881254	Ca_Kabuli_Chr08	NC_021167.1	7881254	TT	CC	CC	INTERGENIC		
SNP_36923B_7884027	Ca_Kabuli_Chr08	NC_021167.1	7884027	GG	AA	AA	INTERGENIC		
SNP_36924B_7895833	Ca_Kabuli_Chr08	NC_021167.1	7895833	TT	CC	CC	INTERGENIC		
SNP_36925B_7895893	Ca_Kabuli_Chr08	NC_021167.1	7895893	GG	AA	AA	INTERGENIC		
SNP_36926B_7895991	Ca_Kabuli_Chr08	NC_021167.1	7895991	GG	AA	AA	INTERGENIC		
SNP_36927B_7895999	Ca_Kabuli_Chr08	NC_021167.1	7895999	AA	TT	TT	INTERGENIC		
SNP_36928B_7896042	Ca_Kabuli_Chr08	NC_021167.1	7896042	GG	AA	AA	INTERGENIC		
SNP_36929B_7896046	Ca_Kabuli_Chr08	NC_021167.1	7896046	GG	TT	TT	INTERGENIC		
SNP_36930B_7896049	Ca_Kabuli_Chr08	NC_021167.1	7896049	AA	GG	GG	INTERGENIC		
SNP_36931B_7896112	Ca_Kabuli_Chr08	NC_021167.1	7896112	TT	CC	CC	INTERGENIC		
SNP_36932B_7896293	Ca_Kabuli_Chr08	NC_021167.1	7896293	CC	TT	TT	INTERGENIC		
SNP_36933B_7896312	Ca_Kabuli_Chr08	NC_021167.1	7896312	TT	CC	CC	INTERGENIC		
SNP_36934B_7896320	Ca_Kabuli_Chr08	NC_021167.1	7896320	AA	GG	GG	INTERGENIC		
SNP_36935B_7896332	Ca_Kabuli_Chr08	NC_021167.1	7896332	GG	AA	AA	INTERGENIC		
SNP_36937B_7896415	Ca_Kabuli_Chr08	NC_021167.1	7896415	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_36938B_7896435	Ca_Kabuli_Chr08	NC_021167.1	7896435	GG	AA	AA	INTERGENIC		
SNP_36939B_7896493	Ca_Kabuli_Chr08	NC_021167.1	7896493	CC	TT	TT	INTERGENIC		
SNP_36940B_7896534	Ca_Kabuli_Chr08	NC_021167.1	7896534	TT	GG	GG	INTERGENIC		
SNP_36941B_7896561	Ca_Kabuli_Chr08	NC_021167.1	7896561	CC	AA	AA	INTERGENIC		
SNP_36942B_7896598	Ca_Kabuli_Chr08	NC_021167.1	7896598	AA	CC	CC	INTERGENIC		
SNP_36943B_7896605	Ca_Kabuli_Chr08	NC_021167.1	7896605	GG	AA	AA	INTERGENIC		
SNP_36944B_7896958	Ca_Kabuli_Chr08	NC_021167.1	7896958	GG	AA	AA	INTERGENIC		
SNP_36945B_7913793	Ca_Kabuli_Chr08	NC_021167.1	7913793	GG	AA	AA	INTERGENIC		
SNP_36946B_7913842	Ca_Kabuli_Chr08	NC_021167.1	7913842	CC	AA	AA	INTERGENIC		
SNP_36948B_7926135	Ca_Kabuli_Chr08	NC_021167.1	7926135	AA	GG	GG	INTERGENIC		
SNP_36949B_7927213	Ca_Kabuli_Chr08	NC_021167.1	7927213	GG	AA	AA	DRR	101501141	elongation factor 1-alpha-like
SNP_36951B_7927527	Ca_Kabuli_Chr08	NC_021167.1	7927527	AA	GG	GG	DRR	101501141	elongation factor 1-alpha-like
SNP_36953B_7927631	Ca_Kabuli_Chr08	NC_021167.1	7927631	GG	AA	AA	DRR	101501141	elongation factor 1-alpha-like
SNP_36955B_7937601	Ca_Kabuli_Chr08	NC_021167.1	7937601	GG	TT	TT	INTERGENIC		
SNP_36956B_7937621	Ca_Kabuli_Chr08	NC_021167.1	7937621	AA	GG	GG	INTERGENIC		
SNP_36957B_7937636	Ca_Kabuli_Chr08	NC_021167.1	7937636	AA	CC	CC	INTERGENIC		
SNP_36958B_7937655	Ca_Kabuli_Chr08	NC_021167.1	7937655	TT	CC	CC	INTERGENIC		
SNP_36959B_7937771	Ca_Kabuli_Chr08	NC_021167.1	7937771	TT	CC	CC	INTERGENIC		
SNP_36960B_7937774	Ca_Kabuli_Chr08	NC_021167.1	7937774	AA	GG	GG	INTERGENIC		
SNP_36961B_7937828	Ca_Kabuli_Chr08	NC_021167.1	7937828	GG	AA	AA	INTERGENIC		
SNP_36962B_7937881	Ca_Kabuli_Chr08	NC_021167.1	7937881	GG	AA	AA	INTERGENIC		
SNP_36963B_7937891	Ca_Kabuli_Chr08	NC_021167.1	7937891	AA	CC	CC	INTERGENIC		
SNP_36964B_7937907	Ca_Kabuli_Chr08	NC_021167.1	7937907	GG	AA	AA	INTERGENIC		
SNP_36965B_7937908	Ca_Kabuli_Chr08	NC_021167.1	7937908	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_36966B_7937924	Ca_Kabuli_Chr08	NC_021167.1	7937924	GG	CC	CC	INTERGENIC		
SNP_36967B_7937952	Ca_Kabuli_Chr08	NC_021167.1	7937952	AA	GG	GG	INTERGENIC		
SNP_36968B_7938027	Ca_Kabuli_Chr08	NC_021167.1	7938027	AA	GG	GG	INTERGENIC		
SNP_36969B_7938028	Ca_Kabuli_Chr08	NC_021167.1	7938028	AA	TT	TT	INTERGENIC		
SNP_36970B_7938076	Ca_Kabuli_Chr08	NC_021167.1	7938076	CC	TT	TT	INTERGENIC		
SNP_36972B_7938126	Ca_Kabuli_Chr08	NC_021167.1	7938126	AA	GG	GG	INTERGENIC		
SNP_36973B_7938199	Ca_Kabuli_Chr08	NC_021167.1	7938199	AA	TT	TT	INTERGENIC		
SNP_36975B_7943988	Ca_Kabuli_Chr08	NC_021167.1	7943988	CC	AA	AA	INTERGENIC		
SNP_36976B_7944316	Ca_Kabuli_Chr08	NC_021167.1	7944316	CC	TT	TT	INTERGENIC		
SNP_36977B_7946941	Ca_Kabuli_Chr08	NC_021167.1	7946941	TT	CC	CC	INTERGENIC		
SNP_36978B_7948133	Ca_Kabuli_Chr08	NC_021167.1	7948133	AA	GG	GG	INTERGENIC		
SNP_36980B_7948257	Ca_Kabuli_Chr08	NC_021167.1	7948257	GG	TT	TT	INTERGENIC		
SNP_36981B_7950205	Ca_Kabuli_Chr08	NC_021167.1	7950205	GG	TT	TT	INTERGENIC		
SNP_36982B_7950275	Ca_Kabuli_Chr08	NC_021167.1	7950275	TT	GG	GG	INTERGENIC		
SNP_36983B_7950287	Ca_Kabuli_Chr08	NC_021167.1	7950287	TT	CC	CC	INTERGENIC		
SNP_36984B_7950313	Ca_Kabuli_Chr08	NC_021167.1	7950313	AA	CC	CC	INTERGENIC		
SNP_36985B_7950332	Ca_Kabuli_Chr08	NC_021167.1	7950332	AA	GG	GG	INTERGENIC		
SNP_36986B_7950502	Ca_Kabuli_Chr08	NC_021167.1	7950502	CC	GG	GG	INTERGENIC		
SNP_36988B_7950594	Ca_Kabuli_Chr08	NC_021167.1	7950594	CC	TT	TT	INTERGENIC		
SNP_36990B_7950866	Ca_Kabuli_Chr08	NC_021167.1	7950866	TT	CC	CC	INTERGENIC		
SNP_36991B_7951061	Ca_Kabuli_Chr08	NC_021167.1	7951061	CC	AA	AA	INTERGENIC		
SNP_36992B_7951166	Ca_Kabuli_Chr08	NC_021167.1	7951166	TT	CC	CC	INTERGENIC		
SNP_36993B_7951190	Ca_Kabuli_Chr08	NC_021167.1	7951190	AA	GG	GG	INTERGENIC		
SNP_36994B_7951399	Ca_Kabuli_Chr08	NC_021167.1	7951399	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_36995B_7951514	Ca_Kabuli_Chr08	NC_021167.1	7951514	CC	GG	GG	INTERGENIC		
SNP_36996B_7951523	Ca_Kabuli_Chr08	NC_021167.1	7951523	CC	TT	TT	INTERGENIC		
SNP_36997B_7951591	Ca_Kabuli_Chr08	NC_021167.1	7951591	TT	GG	GG	INTERGENIC		
SNP_36998B_7951658	Ca_Kabuli_Chr08	NC_021167.1	7951658	TT	CC	CC	INTERGENIC		
SNP_36999B_7951735	Ca_Kabuli_Chr08	NC_021167.1	7951735	TT	CC	CC	INTERGENIC		
SNP_37000B_7951815	Ca_Kabuli_Chr08	NC_021167.1	7951815	TT	CC	CC	INTERGENIC		
SNP_37001B_7952016	Ca_Kabuli_Chr08	NC_021167.1	7952016	CC	TT	TT	INTERGENIC		
SNP_37002B_7952042	Ca_Kabuli_Chr08	NC_021167.1	7952042	AA	GG	GG	INTERGENIC		
SNP_37003B_7952123	Ca_Kabuli_Chr08	NC_021167.1	7952123	TT	CC	CC	INTERGENIC		
SNP_37004B_7952131	Ca_Kabuli_Chr08	NC_021167.1	7952131	GG	AA	AA	INTERGENIC		
SNP_37005B_7952340	Ca_Kabuli_Chr08	NC_021167.1	7952340	TT	GG	GG	INTERGENIC		
SNP_37006B_7952434	Ca_Kabuli_Chr08	NC_021167.1	7952434	AA	CC	CC	INTERGENIC		
SNP_37007B_7952546	Ca_Kabuli_Chr08	NC_021167.1	7952546	GG	CC	CC	INTERGENIC		
SNP_37009B_7952633	Ca_Kabuli_Chr08	NC_021167.1	7952633	TT	CC	CC	INTERGENIC		
SNP_37010B_7952636	Ca_Kabuli_Chr08	NC_021167.1	7952636	AA	GG	GG	INTERGENIC		
SNP_37011B_7952665	Ca_Kabuli_Chr08	NC_021167.1	7952665	GG	CC	CC	INTERGENIC		
SNP_37012B_7952737	Ca_Kabuli_Chr08	NC_021167.1	7952737	CC	AA	AA	INTERGENIC		
SNP_37013B_7952773	Ca_Kabuli_Chr08	NC_021167.1	7952773	GG	CC	CC	INTERGENIC		
SNP_37014B_7952810	Ca_Kabuli_Chr08	NC_021167.1	7952810	AA	TT	TT	INTERGENIC		
SNP_37015B_7952822	Ca_Kabuli_Chr08	NC_021167.1	7952822	AA	GG	GG	INTERGENIC		
SNP_37016B_7952831	Ca_Kabuli_Chr08	NC_021167.1	7952831	AA	TT	TT	INTERGENIC		
SNP_37017B_7952837	Ca_Kabuli_Chr08	NC_021167.1	7952837	GG	CC	CC	INTERGENIC		
SNP_37018B_7952840	Ca_Kabuli_Chr08	NC_021167.1	7952840	CC	AA	AA	INTERGENIC		
SNP_37019B_7952860	Ca_Kabuli_Chr08	NC_021167.1	7952860	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_37020B_7952924	Ca_Kabuli_Chr08	NC_021167.1	7952924	GG	AA	AA	INTERGENIC		
SNP_37021B_7953020	Ca_Kabuli_Chr08	NC_021167.1	7953020	TT	CC	CC	INTERGENIC		
SNP_37022B_7953024	Ca_Kabuli_Chr08	NC_021167.1	7953024	AA	GG	GG	INTERGENIC		
SNP_37023B_7953046	Ca_Kabuli_Chr08	NC_021167.1	7953046	GG	AA	AA	INTERGENIC		
SNP_37025B_7953116	Ca_Kabuli_Chr08	NC_021167.1	7953116	CC	TT	TT	INTERGENIC		
SNP_37026B_7953157	Ca_Kabuli_Chr08	NC_021167.1	7953157	GG	AA	AA	INTERGENIC		
SNP_37027B_7953268	Ca_Kabuli_Chr08	NC_021167.1	7953268	CC	TT	TT	INTERGENIC		
SNP_37028B_7953276	Ca_Kabuli_Chr08	NC_021167.1	7953276	CC	TT	TT	INTERGENIC		
SNP_37029B_7953297	Ca_Kabuli_Chr08	NC_021167.1	7953297	AA	GG	GG	INTERGENIC		
SNP_37030B_7953338	Ca_Kabuli_Chr08	NC_021167.1	7953338	GG	AA	AA	INTERGENIC		
SNP_37031B_7953416	Ca_Kabuli_Chr08	NC_021167.1	7953416	AA	GG	GG	INTERGENIC		
SNP_37032B_7953455	Ca_Kabuli_Chr08	NC_021167.1	7953455	CC	TT	TT	INTERGENIC		
SNP_37033B_7953508	Ca_Kabuli_Chr08	NC_021167.1	7953508	CC	TT	TT	INTERGENIC		
SNP_37034B_7953581	Ca_Kabuli_Chr08	NC_021167.1	7953581	AA	GG	GG	INTERGENIC		
SNP_37035B_7953649	Ca_Kabuli_Chr08	NC_021167.1	7953649	GG	CC	CC	INTERGENIC		
SNP_37036B_7953677	Ca_Kabuli_Chr08	NC_021167.1	7953677	AA	GG	GG	INTERGENIC		
SNP_37037B_7953711	Ca_Kabuli_Chr08	NC_021167.1	7953711	GG	AA	AA	INTERGENIC		
SNP_37038B_7953724	Ca_Kabuli_Chr08	NC_021167.1	7953724	GG	TT	TT	INTERGENIC		
SNP_37039B_7953778	Ca_Kabuli_Chr08	NC_021167.1	7953778	CC	TT	TT	INTERGENIC		
SNP_37041B_7953856	Ca_Kabuli_Chr08	NC_021167.1	7953856	CC	AA	AA	INTERGENIC		
SNP_37042B_7953902	Ca_Kabuli_Chr08	NC_021167.1	7953902	GG	AA	AA	INTERGENIC		
SNP_37043B_7953932	Ca_Kabuli_Chr08	NC_021167.1	7953932	TT	CC	CC	INTERGENIC		
SNP_37044B_7953989	Ca_Kabuli_Chr08	NC_021167.1	7953989	TT	CC	CC	INTERGENIC		
SNP_37045B_7953998	Ca_Kabuli_Chr08	NC_021167.1	7953998	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_37046B_7954075	Ca_Kabuli_Chr08	NC_021167.1	7954075	GG	TT	TT	INTERGENIC		
SNP_37047B_7954166	Ca_Kabuli_Chr08	NC_021167.1	7954166	CC	TT	TT	INTERGENIC		
SNP_37048B_7954194	Ca_Kabuli_Chr08	NC_021167.1	7954194	AA	CC	CC	INTERGENIC		
SNP_37049B_7954379	Ca_Kabuli_Chr08	NC_021167.1	7954379	AA	GG	GG	INTERGENIC		
SNP_37051B_7954405	Ca_Kabuli_Chr08	NC_021167.1	7954405	AA	GG	GG	INTERGENIC		
SNP_37052B_7954416	Ca_Kabuli_Chr08	NC_021167.1	7954416	GG	AA	AA	INTERGENIC		
SNP_37054B_7954476	Ca_Kabuli_Chr08	NC_021167.1	7954476	AA	TT	TT	INTERGENIC		
SNP_37055B_7954490	Ca_Kabuli_Chr08	NC_021167.1	7954490	CC	TT	TT	INTERGENIC		
SNP_37057B_7954529	Ca_Kabuli_Chr08	NC_021167.1	7954529	TT	CC	CC	INTERGENIC		
SNP_37058B_7954533	Ca_Kabuli_Chr08	NC_021167.1	7954533	TT	CC	CC	INTERGENIC		
SNP_37059B_7954572	Ca_Kabuli_Chr08	NC_021167.1	7954572	AA	CC	CC	INTERGENIC		
SNP_37060B_7954617	Ca_Kabuli_Chr08	NC_021167.1	7954617	AA	CC	CC	INTERGENIC		
SNP_37061B_7954648	Ca_Kabuli_Chr08	NC_021167.1	7954648	AA	GG	GG	INTERGENIC		
SNP_37062B_7954689	Ca_Kabuli_Chr08	NC_021167.1	7954689	AA	TT	TT	INTERGENIC		
SNP_37063B_7954706	Ca_Kabuli_Chr08	NC_021167.1	7954706	GG	TT	TT	INTERGENIC		
SNP_37064B_7954718	Ca_Kabuli_Chr08	NC_021167.1	7954718	TT	AA	AA	INTERGENIC		
SNP_37065B_7954745	Ca_Kabuli_Chr08	NC_021167.1	7954745	GG	CC	CC	INTERGENIC		
SNP_37066B_7954803	Ca_Kabuli_Chr08	NC_021167.1	7954803	CC	TT	TT	INTERGENIC		
SNP_37067B_7954805	Ca_Kabuli_Chr08	NC_021167.1	7954805	AA	TT	TT	INTERGENIC		
SNP_37068B_7954824	Ca_Kabuli_Chr08	NC_021167.1	7954824	AA	GG	GG	INTERGENIC		
SNP_37069B_7954855	Ca_Kabuli_Chr08	NC_021167.1	7954855	TT	CC	CC	INTERGENIC		
SNP_37070B_7954873	Ca_Kabuli_Chr08	NC_021167.1	7954873	CC	GG	GG	INTERGENIC		
SNP_37071B_7954880	Ca_Kabuli_Chr08	NC_021167.1	7954880	CC	TT	TT	INTERGENIC		
SNP_37072B_7954938	Ca_Kabuli_Chr08	NC_021167.1	7954938	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_37073B_7954998	Ca_Kabuli_Chr08	NC_021167.1	7954998	TT	CC	CC	INTERGENIC		
SNP_37074B_7955037	Ca_Kabuli_Chr08	NC_021167.1	7955037	GG	AA	AA	INTERGENIC		
SNP_37075B_7955041	Ca_Kabuli_Chr08	NC_021167.1	7955041	GG	TT	TT	INTERGENIC		
SNP_37076B_7955075	Ca_Kabuli_Chr08	NC_021167.1	7955075	AA	GG	GG	INTERGENIC		
SNP_37077B_7955370	Ca_Kabuli_Chr08	NC_021167.1	7955370	CC	AA	AA	INTERGENIC		
SNP_37078B_7955457	Ca_Kabuli_Chr08	NC_021167.1	7955457	TT	AA	AA	INTERGENIC		
SNP_37079B_7955493	Ca_Kabuli_Chr08	NC_021167.1	7955493	GG	AA	AA	INTERGENIC		
SNP_37081B_7955550	Ca_Kabuli_Chr08	NC_021167.1	7955550	AA	CC	CC	INTERGENIC		
SNP_37082B_7955556	Ca_Kabuli_Chr08	NC_021167.1	7955556	TT	CC	CC	INTERGENIC		
SNP_37083B_7955596	Ca_Kabuli_Chr08	NC_021167.1	7955596	AA	GG	GG	INTERGENIC		
SNP_37084B_7955732	Ca_Kabuli_Chr08	NC_021167.1	7955732	CC	TT	TT	INTERGENIC		
SNP_37085B_7955741	Ca_Kabuli_Chr08	NC_021167.1	7955741	AA	CC	CC	INTERGENIC		
SNP_37086B_7955759	Ca_Kabuli_Chr08	NC_021167.1	7955759	CC	TT	TT	INTERGENIC		
SNP_37087B_7955882	Ca_Kabuli_Chr08	NC_021167.1	7955882	AA	GG	GG	INTERGENIC		
SNP_37088B_7956011	Ca_Kabuli_Chr08	NC_021167.1	7956011	AA	GG	GG	INTERGENIC		
SNP_37090B_7956217	Ca_Kabuli_Chr08	NC_021167.1	7956217	TT	CC	CC	INTERGENIC		
SNP_37091B_7956263	Ca_Kabuli_Chr08	NC_021167.1	7956263	CC	TT	TT	INTERGENIC		
SNP_37092B_7956289	Ca_Kabuli_Chr08	NC_021167.1	7956289	TT	CC	CC	INTERGENIC		
SNP_37093B_7969856	Ca_Kabuli_Chr08	NC_021167.1	7969856	AA	GG	GG	INTERGENIC		
SNP_37094B_8055201	Ca_Kabuli_Chr08	NC_021167.1	8055201	GG	AA	AA	INTERGENIC		
SNP_37096B_8062762	Ca_Kabuli_Chr08	NC_021167.1	8062762	CC	TT	TT	URR	101504665	disease resistance protein RPM1
SNP_37097B_8074300	Ca_Kabuli_Chr08	NC_021167.1	8074300	AA	GG	GG	INTERGENIC		
SNP_37098B_8074306	Ca_Kabuli_Chr08	NC_021167.1	8074306	GG	CC	CC	INTERGENIC		
SNP_37099B_8074334	Ca_Kabuli_Chr08	NC_021167.1	8074334	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_37100B_8074570	Ca_Kabuli_Chr08	NC_021167.1	8074570	CC	TT	TT	INTERGENIC		
SNP_37101B_8074695	Ca_Kabuli_Chr08	NC_021167.1	8074695	GG	TT	TT	INTERGENIC		
SNP_37102B_8074702	Ca_Kabuli_Chr08	NC_021167.1	8074702	AA	TT	TT	INTERGENIC		
SNP_37103B_8074704	Ca_Kabuli_Chr08	NC_021167.1	8074704	CC	AA	AA	INTERGENIC		
SNP_37104B_8074711	Ca_Kabuli_Chr08	NC_021167.1	8074711	TT	CC	CC	INTERGENIC		
SNP_37105B_8074717	Ca_Kabuli_Chr08	NC_021167.1	8074717	GG	TT	TT	INTERGENIC		
SNP_37106B_8074724	Ca_Kabuli_Chr08	NC_021167.1	8074724	TT	CC	CC	INTERGENIC		
SNP_37107B_8074731	Ca_Kabuli_Chr08	NC_021167.1	8074731	AA	GG	GG	INTERGENIC		
SNP_37108B_8074745	Ca_Kabuli_Chr08	NC_021167.1	8074745	GG	AA	AA	INTERGENIC		
SNP_37109B_8074783	Ca_Kabuli_Chr08	NC_021167.1	8074783	GG	AA	AA	INTERGENIC		
SNP_37110B_8074788	Ca_Kabuli_Chr08	NC_021167.1	8074788	AA	GG	GG	INTERGENIC		
SNP_37111B_8074791	Ca_Kabuli_Chr08	NC_021167.1	8074791	CC	TT	TT	INTERGENIC		
SNP_37112B_8074836	Ca_Kabuli_Chr08	NC_021167.1	8074836	CC	AA	AA	INTERGENIC		
SNP_37113B_8074866	Ca_Kabuli_Chr08	NC_021167.1	8074866	TT	AA	AA	INTERGENIC		
SNP_37114B_8074892	Ca_Kabuli_Chr08	NC_021167.1	8074892	TT	AA	AA	INTERGENIC		
SNP_37115B_8074894	Ca_Kabuli_Chr08	NC_021167.1	8074894	TT	AA	AA	INTERGENIC		
SNP_37116B_8075318	Ca_Kabuli_Chr08	NC_021167.1	8075318	TT	CC	CC	INTERGENIC		
SNP_37117B_8075590	Ca_Kabuli_Chr08	NC_021167.1	8075590	GG	TT	TT	INTERGENIC		
SNP_37118B_8075593	Ca_Kabuli_Chr08	NC_021167.1	8075593	CC	AA	AA	INTERGENIC		
SNP_37119B_8075975	Ca_Kabuli_Chr08	NC_021167.1	8075975	GG	AA	AA	INTERGENIC		
SNP_37121B_8076089	Ca_Kabuli_Chr08	NC_021167.1	8076089	TT	CC	CC	INTERGENIC		
SNP_37122B_8076291	Ca_Kabuli_Chr08	NC_021167.1	8076291	CC	TT	TT	INTERGENIC		
SNP_37123B_8076323	Ca_Kabuli_Chr08	NC_021167.1	8076323	AA	GG	GG	INTERGENIC		
SNP_37125B_8084586	Ca_Kabuli_Chr08	NC_021167.1	8084586	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_37126B_8084592	Ca_Kabuli_Chr08	NC_021167.1	8084592	GG	AA	AA	INTERGENIC		
SNP_37127B_8084735	Ca_Kabuli_Chr08	NC_021167.1	8084735	AA	GG	GG	INTERGENIC		
SNP_37128B_8084747	Ca_Kabuli_Chr08	NC_021167.1	8084747	AA	GG	GG	INTERGENIC		
SNP_37129B_8084755	Ca_Kabuli_Chr08	NC_021167.1	8084755	GG	TT	TT	INTERGENIC		
SNP_37130B_8084758	Ca_Kabuli_Chr08	NC_021167.1	8084758	CC	AA	AA	INTERGENIC		
SNP_37131B_8132902	Ca_Kabuli_Chr08	NC_021167.1	8132902	TT	CC	CC	INTERGENIC		
SNP_37132B_8136485	Ca_Kabuli_Chr08	NC_021167.1	8136485	AA	TT	TT	URR	101488255	uncharacterized LOC101488255
SNP_37134B_8254575	Ca_Kabuli_Chr08	NC_021167.1	8254575	AA	GG	GG	INTERGENIC		
SNP_37135B_8254596	Ca_Kabuli_Chr08	NC_021167.1	8254596	AA	GG	GG	INTERGENIC		
SNP_37136B_8254601	Ca_Kabuli_Chr08	NC_021167.1	8254601	GG	AA	AA	INTERGENIC		
SNP_37137B_8254706	Ca_Kabuli_Chr08	NC_021167.1	8254706	AA	GG	GG	INTERGENIC		
SNP_37138B_8254712	Ca_Kabuli_Chr08	NC_021167.1	8254712	AA	GG	GG	INTERGENIC		
SNP_37139B_8254751	Ca_Kabuli_Chr08	NC_021167.1	8254751	TT	GG	GG	INTERGENIC		
SNP_37140B_8254891	Ca_Kabuli_Chr08	NC_021167.1	8254891	AA	GG	GG	INTERGENIC		
SNP_37141B_8254908	Ca_Kabuli_Chr08	NC_021167.1	8254908	AA	CC	CC	INTERGENIC		
SNP_37142B_8254954	Ca_Kabuli_Chr08	NC_021167.1	8254954	CC	GG	GG	INTERGENIC		
SNP_37143B_8272709	Ca_Kabuli_Chr08	NC_021167.1	8272709	GG	CC	CC	URR	101510441	60S ribosomal protein L17-1-like
SNP_37144B_8272755	Ca_Kabuli_Chr08	NC_021167.1	8272755	CC	TT	TT	URR	101510441	60S ribosomal protein L17-1-like
SNP_37145B_8272866	Ca_Kabuli_Chr08	NC_021167.1	8272866	AA	GG	GG	URR	101510441	60S ribosomal protein L17-1-like
SNP_37146B_8272934	Ca_Kabuli_Chr08	NC_021167.1	8272934	CC	TT	TT	URR	101510441	60S ribosomal protein L17-1-like
SNP_37147B_8272973	Ca_Kabuli_Chr08	NC_021167.1	8272973	GG	TT	TT	INTERGENIC		
SNP_37148B_8273075	Ca_Kabuli_Chr08	NC_021167.1	8273075	TT	CC	CC	INTERGENIC		
SNP_37149B_8273168	Ca_Kabuli_Chr08	NC_021167.1	8273168	CC	TT	TT	INTERGENIC		
SNP_37150B_8273188	Ca_Kabuli_Chr08	NC_021167.1	8273188	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_37151B_8273194	Ca_Kabuli_Chr08	NC_021167.1	8273194	AA	GG	GG	INTERGENIC		
SNP_37152B_8273247	Ca_Kabuli_Chr08	NC_021167.1	8273247	CC	AA	AA	INTERGENIC		
SNP_37153B_8289060	Ca_Kabuli_Chr08	NC_021167.1	8289060	TT	CC	CC	DRR	101511512	60S ribosomal protein L17-2-like
SNP_37154B_8289174	Ca_Kabuli_Chr08	NC_021167.1	8289174	GG	CC	CC	DRR	101511512	60S ribosomal protein L17-2-like
SNP_37156B_8315027	Ca_Kabuli_Chr08	NC_021167.1	8315027	GG	AA	AA	DRR	101512150	glycerol-3-phosphate acyltransferase, chloroplastic
SNP_37157B_8395604	Ca_Kabuli_Chr08	NC_021167.1	8395604	TT	CC	CC	DRR	101488937	putative peroxisomal acyl-coenzyme A oxidase 1.2
SNP_37158B_8395657	Ca_Kabuli_Chr08	NC_021167.1	8395657	TT	GG	GG	DRR	101488937	putative peroxisomal acyl-coenzyme A oxidase 1.2
SNP_37159B_8395668	Ca_Kabuli_Chr08	NC_021167.1	8395668	AA	CC	CC	DRR	101488937	putative peroxisomal acyl-coenzyme A oxidase 1.2
SNP_37160B_8395669	Ca_Kabuli_Chr08	NC_021167.1	8395669	TT	CC	CC	DRR	101488937	putative peroxisomal acyl-coenzyme A oxidase 1.2
SNP_37161B_8395682	Ca_Kabuli_Chr08	NC_021167.1	8395682	GG	AA	AA	DRR	101488937	putative peroxisomal acyl-coenzyme A oxidase 1.2
SNP_37162B_8401306	Ca_Kabuli_Chr08	NC_021167.1	8401306	TT	AA	AA	INTERGENIC		
SNP_37163B_8401394	Ca_Kabuli_Chr08	NC_021167.1	8401394	CC	TT	TT	INTERGENIC		
SNP_37164B_8401431	Ca_Kabuli_Chr08	NC_021167.1	8401431	GG	AA	AA	INTERGENIC		
SNP_37165B_8474876	Ca_Kabuli_Chr08	NC_021167.1	8474876	TT	CC	CC	INTERGENIC		
SNP_37166B_8475652	Ca_Kabuli_Chr08	NC_021167.1	8475652	GG	AA	AA	INTERGENIC		
SNP_37167B_8475653	Ca_Kabuli_Chr08	NC_021167.1	8475653	CC	TT	TT	INTERGENIC		
SNP_37168B_8569589	Ca_Kabuli_Chr08	NC_021167.1	8569589	AA	GG	GG	INTERGENIC		
SNP_37169B_8569595	Ca_Kabuli_Chr08	NC_021167.1	8569595	TT	GG	GG	INTERGENIC		
SNP_37170B_8569612	Ca_Kabuli_Chr08	NC_021167.1	8569612	TT	GG	GG	INTERGENIC		
SNP_37171B_8574306	Ca_Kabuli_Chr08	NC_021167.1	8574306	AA	TT	TT	INTERGENIC		
SNP_37172B_8595793	Ca_Kabuli_Chr08	NC_021167.1	8595793	AA	GG	GG	URR	101494238	ABC transporter B family member 2-like
SNP_37173B_8602885	Ca_Kabuli_Chr08	NC_021167.1	8602885	AA	CC	CC	INTERGENIC		
SNP_37174B_8616448	Ca_Kabuli_Chr08	NC_021167.1	8616448	GG	AA	AA	INTERGENIC		
SNP_37175B_8616608	Ca_Kabuli_Chr08	NC_021167.1	8616608	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_37176B_8616784	Ca_Kabuli_Chr08	NC_021167.1	8616784	TT	CC	CC	INTERGENIC		
SNP_37177B_8623160	Ca_Kabuli_Chr08	NC_021167.1	8623160	TT	CC	CC	INTERGENIC		
SNP_37182B_8624641	Ca_Kabuli_Chr08	NC_021167.1	8624641	AA	GG	GG	INTERGENIC		
SNP_37183B_8624646	Ca_Kabuli_Chr08	NC_021167.1	8624646	TT	AA	AA	INTERGENIC		
SNP_37184B_8624779	Ca_Kabuli_Chr08	NC_021167.1	8624779	GG	TT	TT	INTERGENIC		
SNP_37186B_8667341	Ca_Kabuli_Chr08	NC_021167.1	8667341	CC	TT	TT	INTERGENIC		
SNP_37188B_8695055	Ca_Kabuli_Chr08	NC_021167.1	8695055	TT	AA	AA	INTRON	101496722	cinnamoyl-CoA reductase 1-like
SNP_37190B_8720464	Ca_Kabuli_Chr08	NC_021167.1	8720464	AA	CC	CC	DRR	101497692	protein TORNADO 2-like
SNP_37191B_8722979	Ca_Kabuli_Chr08	NC_021167.1	8722979	CC	TT	TT	URR	101497692	protein TORNADO 2-like
SNP_37192B_8745123	Ca_Kabuli_Chr08	NC_021167.1	8745123	GG	TT	TT	INTERGENIC		
SNP_37193B_8773979	Ca_Kabuli_Chr08	NC_021167.1	8773979	GG	TT	TT	URR	101490240	serine/threonine-protein phosphatase 7 long form homolog
SNP_37194B_8773994	Ca_Kabuli_Chr08	NC_021167.1	8773994	AA	GG	GG	URR	101490240	serine/threonine-protein phosphatase 7 long form homolog
SNP_37195B_8774033	Ca_Kabuli_Chr08	NC_021167.1	8774033	AA	TT	TT	URR	101490240	serine/threonine-protein phosphatase 7 long form homolog
SNP_37196B_8774227	Ca_Kabuli_Chr08	NC_021167.1	8774227	TT	AA	AA	URR	101490240	serine/threonine-protein phosphatase 7 long form homolog
SNP_37197B_8774313	Ca_Kabuli_Chr08	NC_021167.1	8774313	CC	TT	TT	URR	101490240	serine/threonine-protein phosphatase 7 long form homolog
SNP_37199B_8787756	Ca_Kabuli_Chr08	NC_021167.1	8787756	GG	AA	AA	URR	101498349	uncharacterized LOC101498349
SNP_37200B_8832553	Ca_Kabuli_Chr08	NC_021167.1	8832553	GG	AA	AA	INTERGENIC		
SNP_37201B_8844254	Ca_Kabuli_Chr08	NC_021167.1	8844254	GG	AA	AA	URR	101499336	transcription factor MYC2-like
SNP_37202B_8844788	Ca_Kabuli_Chr08	NC_021167.1	8844788	TT	CC	CC	URR	101499336	transcription factor MYC2-like
SNP_37203B_8845215	Ca_Kabuli_Chr08	NC_021167.1	8845215	AA	GG	GG	INTERGENIC		
SNP_37204B_8847417	Ca_Kabuli_Chr08	NC_021167.1	8847417	TT	AA	AA	INTERGENIC		
SNP_37205B_8853201	Ca_Kabuli_Chr08	NC_021167.1	8853201	CC	AA	AA	DRR	101499650	uncharacterized LOC101499650
SNP_37207B_8855414	Ca_Kabuli_Chr08	NC_021167.1	8855414	CC	AA	AA	DRR	101499953	uncharacterized LOC101499953
SNP_37208B_8858078	Ca_Kabuli_Chr08	NC_021167.1	8858078	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_37209B_8858378	Ca_Kabuli_Chr08	NC_021167.1	8858378	AA	GG	GG	INTERGENIC		
SNP_37210B_8858389	Ca_Kabuli_Chr08	NC_021167.1	8858389	GG	TT	TT	INTERGENIC		
SNP_37212B_8862492	Ca_Kabuli_Chr08	NC_021167.1	8862492	TT	CC	CC	DRR	101500298	protein HAIKU1-like
SNP_37213B_8862741	Ca_Kabuli_Chr08	NC_021167.1	8862741	GG	TT	TT	DRR	101500298	protein HAIKU1-like
SNP_37214B_8862746	Ca_Kabuli_Chr08	NC_021167.1	8862746	AA	GG	GG	DRR	101500298	protein HAIKU1-like
SNP_37215B_8862756	Ca_Kabuli_Chr08	NC_021167.1	8862756	GG	TT	TT	DRR	101500298	protein HAIKU1-like
SNP_37216B_8862759	Ca_Kabuli_Chr08	NC_021167.1	8862759	TT	GG	GG	DRR	101500298	protein HAIKU1-like
SNP_37217B_8868094	Ca_Kabuli_Chr08	NC_021167.1	8868094	AA	GG	GG	URR	101500298	protein HAIKU1-like
SNP_37218B_8868704	Ca_Kabuli_Chr08	NC_021167.1	8868704	GG	AA	AA	INTERGENIC		
SNP_37220B_8868996	Ca_Kabuli_Chr08	NC_021167.1	8868996	CC	TT	TT	INTERGENIC		
SNP_37221B_8868999	Ca_Kabuli_Chr08	NC_021167.1	8868999	GG	AA	AA	INTERGENIC		
SNP_37222B_8875714	Ca_Kabuli_Chr08	NC_021167.1	8875714	AA	GG	GG	INTERGENIC		
SNP_37223B_8876216	Ca_Kabuli_Chr08	NC_021167.1	8876216	AA	TT	TT	INTERGENIC		
SNP_37224B_8876228	Ca_Kabuli_Chr08	NC_021167.1	8876228	TT	CC	CC	INTERGENIC		
SNP_37225B_8878183	Ca_Kabuli_Chr08	NC_021167.1	8878183	AA	GG	GG	SYNONYMOUS_CODING	101500611	abscisic acid receptor PYL1
SNP_37227B_8878838	Ca_Kabuli_Chr08	NC_021167.1	8878838	CC	GG	GG	URR	101500611	abscisic acid receptor PYL1
SNP_37228B_8879115	Ca_Kabuli_Chr08	NC_021167.1	8879115	GG	AA	AA	URR	101500611	abscisic acid receptor PYL1
SNP_37229B_8880475	Ca_Kabuli_Chr08	NC_021167.1	8880475	TT	CC	CC	URR	101500611	abscisic acid receptor PYL1
SNP_37230B_8880515	Ca_Kabuli_Chr08	NC_021167.1	8880515	GG	TT	TT	URR	101500611	abscisic acid receptor PYL1
SNP_37231B_8880561	Ca_Kabuli_Chr08	NC_021167.1	8880561	AA	TT	TT	URR	101500611	abscisic acid receptor PYL1
SNP_37233B_8884251	Ca_Kabuli_Chr08	NC_021167.1	8884251	TT	CC	CC	INTERGENIC		
SNP_37234B_8885575	Ca_Kabuli_Chr08	NC_021167.1	8885575	AA	GG	GG	INTERGENIC		
SNP_37235B_8886016	Ca_Kabuli_Chr08	NC_021167.1	8886016	TT	CC	CC	DRR	101501251	mitochondrial carnitine/acylcarnitine carrier-like protein
SNP_37236B_8886398	Ca_Kabuli_Chr08	NC_021167.1	8886398	TT	CC	CC	DRR	101501251	mitochondrial carnitine/acylcarnitine carrier-like protein

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_37238B_8887794	Ca_Kabuli_Chr08	NC_021167.1	8887794	AA	TT	TT	URR	101500919	uncharacterized LOC101500919
SNP_37241B_8900262	Ca_Kabuli_Chr08	NC_021167.1	8900262	AA	GG	GG	INTRON	101501560	probable sphingolipid transporter spinster homolog 2
SNP_37242B_8902133	Ca_Kabuli_Chr08	NC_021167.1	8902133	CC	TT	TT	INTRON	101501560	probable sphingolipid transporter spinster homolog 2
SNP_37243B_8902304	Ca_Kabuli_Chr08	NC_021167.1	8902304	TT	CC	CC	INTRON	101501560	probable sphingolipid transporter spinster homolog 2
SNP_37244B_8902453	Ca_Kabuli_Chr08	NC_021167.1	8902453	GG	AA	AA	INTRON	101501560	probable sphingolipid transporter spinster homolog 2
SNP_37245B_8902646	Ca_Kabuli_Chr08	NC_021167.1	8902646	CC	TT	TT	INTRON	101501560	probable sphingolipid transporter spinster homolog 2
SNP_37246B_8906817	Ca_Kabuli_Chr08	NC_021167.1	8906817	CC	GG	GG	INTERGENIC		
SNP_37248B_8908525	Ca_Kabuli_Chr08	NC_021167.1	8908525	TT	CC	CC	DRR	101502095	probable starch synthase 4, chloroplastic/amyloplastic
SNP_37249B_8908529	Ca_Kabuli_Chr08	NC_021167.1	8908529	TT	CC	CC	DRR	101502095	probable starch synthase 4, chloroplastic/amyloplastic
SNP_37250B_8908535	Ca_Kabuli_Chr08	NC_021167.1	8908535	CC	TT	TT	DRR	101502095	probable starch synthase 4, chloroplastic/amyloplastic
SNP_37251B_8908539	Ca_Kabuli_Chr08	NC_021167.1	8908539	TT	GG	GG	DRR	101502095	probable starch synthase 4, chloroplastic/amyloplastic
SNP_37252B_8912245	Ca_Kabuli_Chr08	NC_021167.1	8912245	CC	TT	TT	INTRON	101502095	probable starch synthase 4, chloroplastic/amyloplastic
SNP_37253B_8916363	Ca_Kabuli_Chr08	NC_021167.1	8916363	AA	TT	TT	INTRON	101502095	probable starch synthase 4, chloroplastic/amyloplastic
SNP_37254B_8916839	Ca_Kabuli_Chr08	NC_021167.1	8916839	TT	AA	AA	INTRON	101502095	probable starch synthase 4, chloroplastic/amyloplastic
SNP_37256B_8922474	Ca_Kabuli_Chr08	NC_021167.1	8922474	AA	GG	GG	DRR	101503359	protein SPT2 homolog
SNP_37257B_8923730	Ca_Kabuli_Chr08	NC_021167.1	8923730	GG	AA	AA	INTRON	101503359	protein SPT2 homolog
SNP_37258B_8924196	Ca_Kabuli_Chr08	NC_021167.1	8924196	AA	GG	GG	INTRON	101503359	protein SPT2 homolog
SNP_37259B_8925087	Ca_Kabuli_Chr08	NC_021167.1	8925087	CC	TT	TT	SYNONYMOUS_CODING	101503359	protein SPT2 homolog
SNP_37260B_8941956	Ca_Kabuli_Chr08	NC_021167.1	8941956	AA	TT	TT	INTRON	101491513	putative FBD-associated F-box protein At5g56700
SNP_37261B_8943474	Ca_Kabuli_Chr08	NC_021167.1	8943474	AA	GG	GG	URR	101491513	putative FBD-associated F-box protein At5g56700
SNP_37262B_8950193	Ca_Kabuli_Chr08	NC_021167.1	8950193	AA	GG	GG	INTERGENIC		
SNP_37265B_8956554	Ca_Kabuli_Chr08	NC_021167.1	8956554	GG	AA	AA	INTERGENIC		
SNP_37268B_8956658	Ca_Kabuli_Chr08	NC_021167.1	8956658	GG	AA	AA	INTERGENIC		
SNP_37269B_8960771	Ca_Kabuli_Chr08	NC_021167.1	8960771	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_37270B_8961112	Ca_Kabuli_Chr08	NC_021167.1	8961112	TT	CC	CC	INTERGENIC		
SNP_37271B_8962952	Ca_Kabuli_Chr08	NC_021167.1	8962952	TT	GG	GG	INTERGENIC		
SNP_37273B_8967879	Ca_Kabuli_Chr08	NC_021167.1	8967879	TT	CC	CC	INTERGENIC		
SNP_37274B_8967890	Ca_Kabuli_Chr08	NC_021167.1	8967890	TT	CC	CC	INTERGENIC		
SNP_37275B_8968002	Ca_Kabuli_Chr08	NC_021167.1	8968002	TT	CC	CC	INTERGENIC		
SNP_37276B_8968151	Ca_Kabuli_Chr08	NC_021167.1	8968151	GG	AA	AA	INTERGENIC		
SNP_37277B_8968170	Ca_Kabuli_Chr08	NC_021167.1	8968170	CC	TT	TT	INTERGENIC		
SNP_37279B_8968647	Ca_Kabuli_Chr08	NC_021167.1	8968647	GG	AA	AA	INTERGENIC		
SNP_37281B_8969390	Ca_Kabuli_Chr08	NC_021167.1	8969390	CC	TT	TT	INTERGENIC		
SNP_37282B_8969393	Ca_Kabuli_Chr08	NC_021167.1	8969393	CC	AA	AA	INTERGENIC		
SNP_37283B_8969404	Ca_Kabuli_Chr08	NC_021167.1	8969404	GG	AA	AA	INTERGENIC		
SNP_37284B_8969577	Ca_Kabuli_Chr08	NC_021167.1	8969577	TT	CC	CC	INTERGENIC		
SNP_37285B_8969973	Ca_Kabuli_Chr08	NC_021167.1	8969973	TT	CC	CC	INTERGENIC		
SNP_37286B_8969977	Ca_Kabuli_Chr08	NC_021167.1	8969977	AA	TT	TT	INTERGENIC		
SNP_37287B_8969982	Ca_Kabuli_Chr08	NC_021167.1	8969982	GG	AA	AA	INTERGENIC		
SNP_37288B_8970414	Ca_Kabuli_Chr08	NC_021167.1	8970414	CC	TT	TT	INTERGENIC		
SNP_37289B_8972337	Ca_Kabuli_Chr08	NC_021167.1	8972337	CC	TT	TT	INTERGENIC		
SNP_37292B_8974744	Ca_Kabuli_Chr08	NC_021167.1	8974744	TT	GG	GG	INTERGENIC		
SNP_37293B_8974745	Ca_Kabuli_Chr08	NC_021167.1	8974745	TT	AA	AA	INTERGENIC		
SNP_37294B_8979311	Ca_Kabuli_Chr08	NC_021167.1	8979311	CC	TT	TT	INTERGENIC		
SNP_37295B_8979468	Ca_Kabuli_Chr08	NC_021167.1	8979468	GG	AA	AA	INTERGENIC		
SNP_37296B_8979565	Ca_Kabuli_Chr08	NC_021167.1	8979565	AA	GG	GG	INTERGENIC		
SNP_37297B_8979607	Ca_Kabuli_Chr08	NC_021167.1	8979607	AA	GG	GG	INTERGENIC		
SNP_37298B_8979614	Ca_Kabuli_Chr08	NC_021167.1	8979614	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_37299B_8979845	Ca_Kabuli_Chr08	NC_021167.1	8979845	TT	CC	CC	INTERGENIC		
SNP_37300B_8982026	Ca_Kabuli_Chr08	NC_021167.1	8982026	AA	GG	GG	INTERGENIC		
SNP_37301B_8982251	Ca_Kabuli_Chr08	NC_021167.1	8982251	TT	AA	AA	INTERGENIC		
SNP_37302B_8994413	Ca_Kabuli_Chr08	NC_021167.1	8994413	CC	TT	TT	INTERGENIC		
SNP_37303B_8994446	Ca_Kabuli_Chr08	NC_021167.1	8994446	CC	TT	TT	INTERGENIC		
SNP_37304B_8994455	Ca_Kabuli_Chr08	NC_021167.1	8994455	TT	GG	GG	INTERGENIC		
SNP_37305B_8994459	Ca_Kabuli_Chr08	NC_021167.1	8994459	TT	CC	CC	INTERGENIC		
SNP_37306B_8994465	Ca_Kabuli_Chr08	NC_021167.1	8994465	AA	TT	TT	INTERGENIC		
SNP_37307B_8994619	Ca_Kabuli_Chr08	NC_021167.1	8994619	TT	CC	CC	INTERGENIC		
SNP_37308B_8997370	Ca_Kabuli_Chr08	NC_021167.1	8997370	TT	GG	GG	INTERGENIC		
SNP_37311B_8998073	Ca_Kabuli_Chr08	NC_021167.1	8998073	TT	GG	GG	INTERGENIC		
SNP_37312B_8998381	Ca_Kabuli_Chr08	NC_021167.1	8998381	GG	CC	CC	INTERGENIC		
SNP_37313B_8998384	Ca_Kabuli_Chr08	NC_021167.1	8998384	AA	TT	TT	INTERGENIC		
SNP_37314B_8998400	Ca_Kabuli_Chr08	NC_021167.1	8998400	TT	CC	CC	INTERGENIC		
SNP_37315B_8998405	Ca_Kabuli_Chr08	NC_021167.1	8998405	GG	AA	AA	INTERGENIC		
SNP_37316B_9000285	Ca_Kabuli_Chr08	NC_021167.1	9000285	TT	AA	AA	INTERGENIC		
SNP_37318B_9077892	Ca_Kabuli_Chr08	NC_021167.1	9077892	AA	GG	GG	URR	101505299	transcription factor bHLH93-like
SNP_37319B_9077900	Ca_Kabuli_Chr08	NC_021167.1	9077900	TT	GG	GG	URR	101505299	transcription factor bHLH93-like
SNP_37320B_9081068	Ca_Kabuli_Chr08	NC_021167.1	9081068	TT	AA	AA	INTERGENIC		
SNP_37323B_9098025	Ca_Kabuli_Chr08	NC_021167.1	9098025	CC	TT	TT	INTRON	101505631	probable beta-D-xylosidase 6
SNP_37324B_9098042	Ca_Kabuli_Chr08	NC_021167.1	9098042	AA	TT	TT	INTRON	101505631	probable beta-D-xylosidase 6
SNP_37325B_9098953	Ca_Kabuli_Chr08	NC_021167.1	9098953	TT	CC	CC	SYNONYMOUS_CODING	101505631	probable beta-D-xylosidase 6
SNP_37327B_9104402	Ca_Kabuli_Chr08	NC_021167.1	9104402	AA	GG	GG	INTERGENIC		
SNP_37328B_9110535	Ca_Kabuli_Chr08	NC_021167.1	9110535	GG	AA	AA	URR	101505956	uncharacterized LOC101505956

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_37329B_9113338	Ca_Kabuli_Chr08	NC_021167.1	9113338	CC	AA	AA	INTERGENIC		
SNP_37330B_9117115	Ca_Kabuli_Chr08	NC_021167.1	9117115	GG	AA	AA	INTERGENIC		
SNP_37331B_9120436	Ca_Kabuli_Chr08	NC_021167.1	9120436	AA	GG	GG	INTRON	101506704	uncharacterized protein At4g37920, chloroplastic
SNP_37332B_9120446	Ca_Kabuli_Chr08	NC_021167.1	9120446	AA	TT	TT	INTRON	101506704	uncharacterized protein At4g37920, chloroplastic
SNP_37333B_9120855	Ca_Kabuli_Chr08	NC_021167.1	9120855	CC	AA	AA	INTRON	101506704	uncharacterized protein At4g37920, chloroplastic
SNP_37334B_9120890	Ca_Kabuli_Chr08	NC_021167.1	9120890	TT	AA	AA	INTRON	101506704	uncharacterized protein At4g37920, chloroplastic
SNP_37335B_9120941	Ca_Kabuli_Chr08	NC_021167.1	9120941	GG	AA	AA	INTRON	101506704	uncharacterized protein At4g37920, chloroplastic
SNP_37336B_9120994	Ca_Kabuli_Chr08	NC_021167.1	9120994	AA	TT	TT	INTRON	101506704	uncharacterized protein At4g37920, chloroplastic
SNP_37337B_9122467	Ca_Kabuli_Chr08	NC_021167.1	9122467	AA	CC	CC	INTRON	101506704	uncharacterized protein At4g37920, chloroplastic
SNP_37338B_9122909	Ca_Kabuli_Chr08	NC_021167.1	9122909	AA	GG	GG	INTRON	101506704	uncharacterized protein At4g37920, chloroplastic
SNP_37339B_9124483	Ca_Kabuli_Chr08	NC_021167.1	9124483	TT	CC	CC	URR	101506704	uncharacterized protein At4g37920, chloroplastic
SNP_37340B_9125267	Ca_Kabuli_Chr08	NC_021167.1	9125267	AA	TT	TT	URR	101506704	uncharacterized protein At4g37920, chloroplastic
SNP_37341B_9127466	Ca_Kabuli_Chr08	NC_021167.1	9127466	TT	CC	CC	DRR	101492494	ABC transporter G family member 17-like
SNP_37342B_9127548	Ca_Kabuli_Chr08	NC_021167.1	9127548	TT	CC	CC	SYNONYMOUS_CODING	101492494	ABC transporter G family member 17-like
SNP_37343B_9127551	Ca_Kabuli_Chr08	NC_021167.1	9127551	GG	AA	AA	SYNONYMOUS_CODING	101492494	ABC transporter G family member 17-like
SNP_37344B_9131806	Ca_Kabuli_Chr08	NC_021167.1	9131806	CC	AA	AA	URR	101492494	ABC transporter G family member 17-like
SNP_37345B_9136957	Ca_Kabuli_Chr08	NC_021167.1	9136957	TT	CC	CC	INTERGENIC		
SNP_37346B_9136970	Ca_Kabuli_Chr08	NC_021167.1	9136970	CC	TT	TT	INTERGENIC		
SNP_37347B_9136972	Ca_Kabuli_Chr08	NC_021167.1	9136972	GG	AA	AA	INTERGENIC		
SNP_37348B_9146697	Ca_Kabuli_Chr08	NC_021167.1	9146697	AA	GG	GG	URR	101507037	nodulation receptor kinase
SNP_37349B_9146954	Ca_Kabuli_Chr08	NC_021167.1	9146954	AA	GG	GG	URR	101507037	nodulation receptor kinase
SNP_37350B_9149460	Ca_Kabuli_Chr08	NC_021167.1	9149460	CC	GG	GG	URR	101507672	protein BRICK 1
SNP_37351B_9149683	Ca_Kabuli_Chr08	NC_021167.1	9149683	GG	AA	AA	URR	101507672	protein BRICK 1
SNP_37352B_9154199	Ca_Kabuli_Chr08	NC_021167.1	9154199	TT	AA	AA	INTRON	101507357	probable cytosolic oligopeptidase A

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_37353B_9154729	Ca_Kabuli_Chr08	NC_021167.1	9154729	CC	TT	TT	INTRON	101507357	probable cytosolic oligopeptidase A
SNP_37354B_9155013	Ca_Kabuli_Chr08	NC_021167.1	9155013	TT	AA	AA	INTRON	101507357	probable cytosolic oligopeptidase A
SNP_37355B_9155030	Ca_Kabuli_Chr08	NC_021167.1	9155030	AA	GG	GG	INTRON	101507357	probable cytosolic oligopeptidase A
SNP_37356B_9155054	Ca_Kabuli_Chr08	NC_021167.1	9155054	AA	GG	GG	INTRON	101507357	probable cytosolic oligopeptidase A
SNP_37357B_9157995	Ca_Kabuli_Chr08	NC_021167.1	9157995	CC	GG	GG	INTRON	101507357	probable cytosolic oligopeptidase A
SNP_37358B_9168876	Ca_Kabuli_Chr08	NC_021167.1	9168876	CC	AA	AA	INTRON	101507995	serine hydroxymethyltransferase, mitochondrial
SNP_37359B_9185071	Ca_Kabuli_Chr08	NC_021167.1	9185071	GG	AA	AA	INTERGENIC		
SNP_37360B_9198939	Ca_Kabuli_Chr08	NC_021167.1	9198939	AA	GG	GG	INTRON	101509049	agamous-like MADS-box protein AGL21
SNP_37362B_9201667	Ca_Kabuli_Chr08	NC_021167.1	9201667	AA	TT	TT	URR	101509049	agamous-like MADS-box protein AGL21
SNP_37364B_9201746	Ca_Kabuli_Chr08	NC_021167.1	9201746	AA	CC	CC	URR	101509049	agamous-like MADS-box protein AGL21
SNP_37365B_9201890	Ca_Kabuli_Chr08	NC_021167.1	9201890	TT	AA	AA	URR	101509049	agamous-like MADS-box protein AGL21
SNP_37366B_9207135	Ca_Kabuli_Chr08	NC_021167.1	9207135	TT	GG	GG	INTERGENIC		
SNP_37367B_9207378	Ca_Kabuli_Chr08	NC_021167.1	9207378	AA	GG	GG	INTERGENIC		
SNP_37368B_9207379	Ca_Kabuli_Chr08	NC_021167.1	9207379	GG	AA	AA	INTERGENIC		
SNP_37369B_9207420	Ca_Kabuli_Chr08	NC_021167.1	9207420	GG	AA	AA	INTERGENIC		
SNP_37370B_9208350	Ca_Kabuli_Chr08	NC_021167.1	9208350	GG	AA	AA	INTERGENIC		
SNP_37371B_9208380	Ca_Kabuli_Chr08	NC_021167.1	9208380	AA	GG	GG	INTERGENIC		
SNP_37373B_9214466	Ca_Kabuli_Chr08	NC_021167.1	9214466	CC	AA	AA	INTERGENIC		
SNP_37374B_9214482	Ca_Kabuli_Chr08	NC_021167.1	9214482	CC	TT	TT	INTERGENIC		
SNP_37376B_9273778	Ca_Kabuli_Chr08	NC_021167.1	9273778	AA	CC	CC	URR	101510988	uncharacterized LOC101510988
SNP_37377B_9274098	Ca_Kabuli_Chr08	NC_021167.1	9274098	CC	TT	TT	URR	101510988	uncharacterized LOC101510988
SNP_37378B_9274139	Ca_Kabuli_Chr08	NC_021167.1	9274139	TT	CC	CC	URR	101510988	uncharacterized LOC101510988
SNP_37379B_9274183	Ca_Kabuli_Chr08	NC_021167.1	9274183	TT	CC	CC	URR	101510988	uncharacterized LOC101510988
SNP_37380B_9274396	Ca_Kabuli_Chr08	NC_021167.1	9274396	TT	CC	CC	URR	101510988	uncharacterized LOC101510988

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_37381B_9274398	Ca_Kabuli_Chr08	NC_021167.1	9274398	CC	TT	TT	URR	101510988	uncharacterized LOC101510988
SNP_37382B_9274399	Ca_Kabuli_Chr08	NC_021167.1	9274399	TT	AA	AA	URR	101510988	uncharacterized LOC101510988
SNP_37383B_9274401	Ca_Kabuli_Chr08	NC_021167.1	9274401	CC	GG	GG	URR	101510988	uncharacterized LOC101510988
SNP_37384B_9274402	Ca_Kabuli_Chr08	NC_021167.1	9274402	AA	TT	TT	URR	101510988	uncharacterized LOC101510988
SNP_37385B_9274404	Ca_Kabuli_Chr08	NC_021167.1	9274404	CC	TT	TT	URR	101510988	uncharacterized LOC101510988
SNP_37386B_9324097	Ca_Kabuli_Chr08	NC_021167.1	9324097	TT	CC	CC	INTERGENIC		
SNP_37387B_9324099	Ca_Kabuli_Chr08	NC_021167.1	9324099	CC	AA	AA	INTERGENIC		
SNP_37388B_9324274	Ca_Kabuli_Chr08	NC_021167.1	9324274	AA	GG	GG	INTERGENIC		
SNP_37389B_9363966	Ca_Kabuli_Chr08	NC_021167.1	9363966	CC	TT	TT	DRR	101513759	pentatricopeptide repeat-containing protein At5g65560
SNP_37390B_9363967	Ca_Kabuli_Chr08	NC_021167.1	9363967	AA	GG	GG	DRR	101513759	pentatricopeptide repeat-containing protein At5g65560
SNP_37392B_9364107	Ca_Kabuli_Chr08	NC_021167.1	9364107	AA	GG	GG	DRR	101513759	pentatricopeptide repeat-containing protein At5g65560
SNP_37393B_9364294	Ca_Kabuli_Chr08	NC_021167.1	9364294	AA	CC	CC	DRR	101513759	pentatricopeptide repeat-containing protein At5g65560
SNP_37394B_9364512	Ca_Kabuli_Chr08	NC_021167.1	9364512	AA	CC	CC	DRR	101513759	pentatricopeptide repeat-containing protein At5g65560
SNP_37396B_9364587	Ca_Kabuli_Chr08	NC_021167.1	9364587	TT	CC	CC	DRR	101513759	pentatricopeptide repeat-containing protein At5g65560
SNP_37397B_9364596	Ca_Kabuli_Chr08	NC_021167.1	9364596	AA	GG	GG	DRR	101513759	pentatricopeptide repeat-containing protein At5g65560
SNP_37398B_9364597	Ca_Kabuli_Chr08	NC_021167.1	9364597	TT	AA	AA	DRR	101513759	pentatricopeptide repeat-containing protein At5g65560
SNP_37399B_9364620	Ca_Kabuli_Chr08	NC_021167.1	9364620	TT	GG	GG	DRR	101513759	pentatricopeptide repeat-containing protein At5g65560
SNP_37400B_9373441	Ca_Kabuli_Chr08	NC_021167.1	9373441	TT	CC	CC	INTERGENIC		
SNP_37401B_9375640	Ca_Kabuli_Chr08	NC_021167.1	9375640	AA	CC	CC	URR	101514534	uncharacterized LOC101514534
SNP_37402B_9379046	Ca_Kabuli_Chr08	NC_021167.1	9379046	TT	CC	CC	INTERGENIC		
SNP_37403B_9379077	Ca_Kabuli_Chr08	NC_021167.1	9379077	TT	CC	CC	INTERGENIC		
SNP_37404B_9379080	Ca_Kabuli_Chr08	NC_021167.1	9379080	GG	AA	AA	INTERGENIC		
SNP_37405B_9379085	Ca_Kabuli_Chr08	NC_021167.1	9379085	AA	GG	GG	INTERGENIC		
SNP_37406B_9379467	Ca_Kabuli_Chr08	NC_021167.1	9379467	AA	GG	GG	DRR	101514860	translation initiation factor eIF-2B subunit beta

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_37407B_9379468	Ca_Kabuli_Chr08	NC_021167.1	9379468	GG	AA	AA	DRR	101514860	translation initiation factor eIF-2B subunit beta
SNP_37408B_9387303	Ca_Kabuli_Chr08	NC_021167.1	9387303	CC	TT	TT	INTRON	101514860	translation initiation factor eIF-2B subunit beta
SNP_37409B_9393671	Ca_Kabuli_Chr08	NC_021167.1	9393671	GG	CC	CC	INTERGENIC		
SNP_37410B_9397189	Ca_Kabuli_Chr08	NC_021167.1	9397189	CC	TT	TT	INTERGENIC		
SNP_37411B_9397773	Ca_Kabuli_Chr08	NC_021167.1	9397773	CC	GG	GG	INTERGENIC		
SNP_37413B_9402075	Ca_Kabuli_Chr08	NC_021167.1	9402075	CC	GG	GG	INTERGENIC		
SNP_37414B_9416622	Ca_Kabuli_Chr08	NC_021167.1	9416622	AA	CC	CC	INTERGENIC		
SNP_37415B_9950362	Ca_Kabuli_Chr08	NC_021167.1	9950362	AA	GG	GG	DRR	101493708	uncharacterized LOC101493708
SNP_37416B_9950803	Ca_Kabuli_Chr08	NC_021167.1	9950803	CC	TT	TT	INTRON	101493708	uncharacterized LOC101493708
SNP_37417B_9950828	Ca_Kabuli_Chr08	NC_021167.1	9950828	TT	AA	AA	INTRON	101493708	uncharacterized LOC101493708
SNP_37419B_9950954	Ca_Kabuli_Chr08	NC_021167.1	9950954	TT	CC	CC	INTRON	101493708	uncharacterized LOC101493708
SNP_37420B_9951643	Ca_Kabuli_Chr08	NC_021167.1	9951643	GG	AA	AA	NON_SYNONYMOUS_CODING	101493708	uncharacterized LOC101493708
SNP_37421B_9951664	Ca_Kabuli_Chr08	NC_021167.1	9951664	GG	TT	TT	NON_SYNONYMOUS_CODING	101493708	uncharacterized LOC101493708
SNP_37423B_9957133	Ca_Kabuli_Chr08	NC_021167.1	9957133	CC	AA	AA	INTERGENIC		
SNP_37424B_9957165	Ca_Kabuli_Chr08	NC_021167.1	9957165	CC	TT	TT	INTERGENIC		
SNP_37425B_9957573	Ca_Kabuli_Chr08	NC_021167.1	9957573	GG	TT	TT	INTERGENIC		
SNP_37426B_9957574	Ca_Kabuli_Chr08	NC_021167.1	9957574	TT	AA	AA	INTERGENIC		
SNP_37427B_9957675	Ca_Kabuli_Chr08	NC_021167.1	9957675	CC	TT	TT	INTERGENIC		
SNP_37428B_9957717	Ca_Kabuli_Chr08	NC_021167.1	9957717	GG	AA	AA	INTERGENIC		
SNP_37429B_9958331	Ca_Kabuli_Chr08	NC_021167.1	9958331	AA	GG	GG	DRR	101513126	uncharacterized LOC101513126
SNP_37430B_9958631	Ca_Kabuli_Chr08	NC_021167.1	9958631	AA	CC	CC	DRR	101513126	uncharacterized LOC101513126
SNP_37431B_9958859	Ca_Kabuli_Chr08	NC_021167.1	9958859	GG	AA	AA	DRR	101513126	uncharacterized LOC101513126
SNP_37432B_9959002	Ca_Kabuli_Chr08	NC_021167.1	9959002	CC	TT	TT	DRR	101513126	uncharacterized LOC101513126
SNP_37433B_9959035	Ca_Kabuli_Chr08	NC_021167.1	9959035	AA	CC	CC	DRR	101513126	uncharacterized LOC101513126

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_37434B_9959121	Ca_Kabuli_Chr08	NC_021167.1	9959121	TT	GG	GG	DRR	101513126	uncharacterized LOC101513126
SNP_37435B_9959695	Ca_Kabuli_Chr08	NC_021167.1	9959695	AA	TT	TT	INTERGENIC		
SNP_37436B_9959696	Ca_Kabuli_Chr08	NC_021167.1	9959696	CC	TT	TT	INTERGENIC		
SNP_37437B_9959809	Ca_Kabuli_Chr08	NC_021167.1	9959809	CC	TT	TT	INTERGENIC		
SNP_37438B_9959943	Ca_Kabuli_Chr08	NC_021167.1	9959943	GG	AA	AA	INTERGENIC		
SNP_37439B_9959949	Ca_Kabuli_Chr08	NC_021167.1	9959949	AA	GG	GG	INTERGENIC		
SNP_37440B_9959951	Ca_Kabuli_Chr08	NC_021167.1	9959951	TT	CC	CC	INTERGENIC		
SNP_37442B_9960326	Ca_Kabuli_Chr08	NC_021167.1	9960326	GG	AA	AA	INTERGENIC		
SNP_37443B_9960472	Ca_Kabuli_Chr08	NC_021167.1	9960472	CC	TT	TT	INTERGENIC		
SNP_37444B_9960475	Ca_Kabuli_Chr08	NC_021167.1	9960475	TT	GG	GG	INTERGENIC		
SNP_37445B_9964459	Ca_Kabuli_Chr08	NC_021167.1	9964459	GG	AA	AA	SYNONYMOUS_CODING	101513451	uncharacterized LOC101513451
SNP_37446B_9969160	Ca_Kabuli_Chr08	NC_021167.1	9969160	AA	TT	TT	INTRON	101513451	uncharacterized LOC101513451
SNP_37447B_9969170	Ca_Kabuli_Chr08	NC_021167.1	9969170	CC	GG	GG	INTRON	101513451	uncharacterized LOC101513451
SNP_37448B_9969426	Ca_Kabuli_Chr08	NC_021167.1	9969426	GG	AA	AA	INTRON	101513451	uncharacterized LOC101513451
SNP_37449B_9972126	Ca_Kabuli_Chr08	NC_021167.1	9972126	TT	AA	AA	INTRON	101513451	uncharacterized LOC101513451
SNP_37450B_9974315	Ca_Kabuli_Chr08	NC_021167.1	9974315	CC	TT	TT	INTERGENIC		
SNP_37451B_9974323	Ca_Kabuli_Chr08	NC_021167.1	9974323	AA	CC	CC	INTERGENIC		
SNP_37452B_9974325	Ca_Kabuli_Chr08	NC_021167.1	9974325	AA	CC	CC	INTERGENIC		
SNP_37453B_9974326	Ca_Kabuli_Chr08	NC_021167.1	9974326	GG	AA	AA	INTERGENIC		
SNP_37454B_9974417	Ca_Kabuli_Chr08	NC_021167.1	9974417	AA	TT	TT	URR	101513451	uncharacterized LOC101513451
SNP_37455B_9974601	Ca_Kabuli_Chr08	NC_021167.1	9974601	CC	TT	TT	URR	101513451	uncharacterized LOC101513451
SNP_37456B_9974624	Ca_Kabuli_Chr08	NC_021167.1	9974624	TT	CC	CC	URR	101513451	uncharacterized LOC101513451
SNP_37457B_9974718	Ca_Kabuli_Chr08	NC_021167.1	9974718	AA	GG	GG	URR	101513451	uncharacterized LOC101513451
SNP_37458B_9974764	Ca_Kabuli_Chr08	NC_021167.1	9974764	GG	TT	TT	URR	101513451	uncharacterized LOC101513451

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_37459B_9974766	Ca_Kabuli_Chr08	NC_021167.1	9974766	GG	AA	AA	URR	101513451	uncharacterized LOC101513451
SNP_37460B_9974772	Ca_Kabuli_Chr08	NC_021167.1	9974772	AA	CC	CC	URR	101513451	uncharacterized LOC101513451
SNP_37461B_9998104	Ca_Kabuli_Chr08	NC_021167.1	9998104	AA	GG	GG	INTERGENIC		
SNP_37462B_10023295	Ca_Kabuli_Chr08	NC_021167.1	10023295	AA	GG	GG	INTERGENIC		
SNP_37463B_10023302	Ca_Kabuli_Chr08	NC_021167.1	10023302	TT	CC	CC	INTERGENIC		
SNP_37465B_10064810	Ca_Kabuli_Chr08	NC_021167.1	10064810	TT	CC	CC	INTERGENIC		
SNP_37466B_10064878	Ca_Kabuli_Chr08	NC_021167.1	10064878	AA	GG	GG	INTERGENIC		
SNP_37467B_10217358	Ca_Kabuli_Chr08	NC_021167.1	10217358	AA	GG	GG	URR	101501252	uncharacterized LOC101501252
SNP_37468B_10217407	Ca_Kabuli_Chr08	NC_021167.1	10217407	GG	TT	AA	INTERGENIC		
SNP_37469B_10217410	Ca_Kabuli_Chr08	NC_021167.1	10217410	CC	TT	TT	INTERGENIC		
SNP_37471B_10356101	Ca_Kabuli_Chr08	NC_021167.1	10356101	TT	CC	CC	INTRON	101508419	transcription initiation factor TFIID subunit 4b-like
SNP_37472B_10356170	Ca_Kabuli_Chr08	NC_021167.1	10356170	AA	GG	GG	INTRON	101508419	transcription initiation factor TFIID subunit 4b-like
SNP_37473B_10357277	Ca_Kabuli_Chr08	NC_021167.1	10357277	GG	AA	AA	INTRON	101508419	transcription initiation factor TFIID subunit 4b-like
SNP_37474B_10357298	Ca_Kabuli_Chr08	NC_021167.1	10357298	GG	AA	AA	INTRON	101508419	transcription initiation factor TFIID subunit 4b-like
SNP_37475B_10362494	Ca_Kabuli_Chr08	NC_021167.1	10362494	CC	AA	AA	URR	101508419	transcription initiation factor TFIID subunit 4b-like
SNP_37476B_10363410	Ca_Kabuli_Chr08	NC_021167.1	10363410	GG	AA	AA	URR	101508419	transcription initiation factor TFIID subunit 4b-like
SNP_37477B_10363823	Ca_Kabuli_Chr08	NC_021167.1	10363823	AA	CC	CC	URR	101508419	transcription initiation factor TFIID subunit 4b-like
SNP_37478B_10363984	Ca_Kabuli_Chr08	NC_021167.1	10363984	AA	GG	GG	URR	101508419	transcription initiation factor TFIID subunit 4b-like
SNP_37479B_10364269	Ca_Kabuli_Chr08	NC_021167.1	10364269	TT	GG	GG	INTERGENIC		
SNP_37480B_10364276	Ca_Kabuli_Chr08	NC_021167.1	10364276	TT	CC	CC	INTERGENIC		
SNP_37481B_10364556	Ca_Kabuli_Chr08	NC_021167.1	10364556	CC	TT	TT	INTERGENIC		
SNP_37482B_10365789	Ca_Kabuli_Chr08	NC_021167.1	10365789	GG	AA	AA	INTERGENIC		
SNP_37483B_10365889	Ca_Kabuli_Chr08	NC_021167.1	10365889	TT	AA	AA	INTERGENIC		
SNP_37484B_10365922	Ca_Kabuli_Chr08	NC_021167.1	10365922	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_37485B_10366334	Ca_Kabuli_Chr08	NC_021167.1	10366334	AA	GG	GG	INTERGENIC		
SNP_37486B_10366385	Ca_Kabuli_Chr08	NC_021167.1	10366385	AA	TT	TT	INTERGENIC		
SNP_37487B_10366387	Ca_Kabuli_Chr08	NC_021167.1	10366387	CC	TT	TT	INTERGENIC		
SNP_37489B_10366760	Ca_Kabuli_Chr08	NC_021167.1	10366760	GG	TT	TT	INTERGENIC		
SNP_37491B_10366874	Ca_Kabuli_Chr08	NC_021167.1	10366874	TT	CC	CC	INTERGENIC		
SNP_37492B_10366880	Ca_Kabuli_Chr08	NC_021167.1	10366880	TT	CC	CC	INTERGENIC		
SNP_37493B_10366912	Ca_Kabuli_Chr08	NC_021167.1	10366912	CC	AA	AA	INTERGENIC		
SNP_37494B_10366921	Ca_Kabuli_Chr08	NC_021167.1	10366921	CC	TT	TT	INTERGENIC		
SNP_37495B_10366974	Ca_Kabuli_Chr08	NC_021167.1	10366974	AA	GG	GG	INTERGENIC		
SNP_37496B_10366984	Ca_Kabuli_Chr08	NC_021167.1	10366984	AA	GG	GG	INTERGENIC		
SNP_37497B_10367281	Ca_Kabuli_Chr08	NC_021167.1	10367281	TT	CC	CC	INTERGENIC		
SNP_37498B_10367387	Ca_Kabuli_Chr08	NC_021167.1	10367387	GG	TT	TT	INTERGENIC		
SNP_37499B_10367521	Ca_Kabuli_Chr08	NC_021167.1	10367521	GG	AA	AA	INTERGENIC		
SNP_37500B_10374959	Ca_Kabuli_Chr08	NC_021167.1	10374959	TT	CC	CC	INTERGENIC		
SNP_37501B_10374988	Ca_Kabuli_Chr08	NC_021167.1	10374988	TT	GG	GG	INTERGENIC		
SNP_37502B_10375081	Ca_Kabuli_Chr08	NC_021167.1	10375081	TT	CC	CC	INTERGENIC		
SNP_37503B_10375101	Ca_Kabuli_Chr08	NC_021167.1	10375101	TT	CC	CC	INTERGENIC		
SNP_37504B_10375316	Ca_Kabuli_Chr08	NC_021167.1	10375316	GG	AA	AA	INTERGENIC		
SNP_37505B_10375449	Ca_Kabuli_Chr08	NC_021167.1	10375449	GG	TT	TT	DRR	101508732	Unknown function
SNP_37506B_10375504	Ca_Kabuli_Chr08	NC_021167.1	10375504	CC	AA	AA	DRR	101508732	Unknown function
SNP_37507B_10375520	Ca_Kabuli_Chr08	NC_021167.1	10375520	AA	GG	GG	DRR	101508732	Unknown function
SNP_37508B_10375545	Ca_Kabuli_Chr08	NC_021167.1	10375545	AA	TT	TT	DRR	101508732	Unknown function
SNP_37509B_10375554	Ca_Kabuli_Chr08	NC_021167.1	10375554	AA	TT	TT	DRR	101508732	Unknown function
SNP_37511B_10375602	Ca_Kabuli_Chr08	NC_021167.1	10375602	AA	GG	GG	DRR	101508732	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_37512B_10375654	Ca_Kabuli_Chr08	NC_021167.1	10375654	TT	CC	CC	DRR	101508732	Unknown function
SNP_37513B_10375679	Ca_Kabuli_Chr08	NC_021167.1	10375679	TT	CC	CC	DRR	101508732	Unknown function
SNP_37514B_10375682	Ca_Kabuli_Chr08	NC_021167.1	10375682	CC	GG	GG	DRR	101508732	Unknown function
SNP_37515B_10375686	Ca_Kabuli_Chr08	NC_021167.1	10375686	AA	GG	GG	DRR	101508732	Unknown function
SNP_37516B_10375690	Ca_Kabuli_Chr08	NC_021167.1	10375690	CC	TT	TT	DRR	101508732	Unknown function
SNP_37517B_10375734	Ca_Kabuli_Chr08	NC_021167.1	10375734	TT	AA	AA	DRR	101508732	Unknown function
SNP_37518B_10375752	Ca_Kabuli_Chr08	NC_021167.1	10375752	CC	TT	TT	DRR	101508732	Unknown function
SNP_37519B_10375805	Ca_Kabuli_Chr08	NC_021167.1	10375805	GG	AA	AA	DRR	101508732	Unknown function
SNP_37520B_10375832	Ca_Kabuli_Chr08	NC_021167.1	10375832	GG	AA	AA	DRR	101508732	Unknown function
SNP_37521B_10375858	Ca_Kabuli_Chr08	NC_021167.1	10375858	TT	CC	CC	DRR	101508732	Unknown function
SNP_37522B_10375910	Ca_Kabuli_Chr08	NC_021167.1	10375910	TT	CC	CC	DRR	101508732	Unknown function
SNP_37523B_10376028	Ca_Kabuli_Chr08	NC_021167.1	10376028	AA	GG	GG	DRR	101508732	Unknown function
SNP_37524B_10376030	Ca_Kabuli_Chr08	NC_021167.1	10376030	AA	GG	GG	DRR	101508732	Unknown function
SNP_37525B_10376057	Ca_Kabuli_Chr08	NC_021167.1	10376057	GG	AA	AA	DRR	101508732	Unknown function
SNP_37526B_10376116	Ca_Kabuli_Chr08	NC_021167.1	10376116	AA	GG	GG	DRR	101508732	Unknown function
SNP_37527B_10376121	Ca_Kabuli_Chr08	NC_021167.1	10376121	CC	TT	TT	DRR	101508732	Unknown function
SNP_37528B_10376145	Ca_Kabuli_Chr08	NC_021167.1	10376145	AA	GG	TT	DRR	101508732	Unknown function
SNP_37529B_10376175	Ca_Kabuli_Chr08	NC_021167.1	10376175	AA	CC	CC	DRR	101508732	Unknown function
SNP_37530B_10376461	Ca_Kabuli_Chr08	NC_021167.1	10376461	CC	AA	AA	NON_SYNONYMOUS_CODING	101508732	Unknown function
SNP_37531B_10376490	Ca_Kabuli_Chr08	NC_021167.1	10376490	TT	CC	CC	NON_SYNONYMOUS_CODING	101508732	Unknown function
SNP_37532B_10376568	Ca_Kabuli_Chr08	NC_021167.1	10376568	TT	CC	CC	NON_SYNONYMOUS_CODING	101508732	Unknown function
SNP_37533B_10376672	Ca_Kabuli_Chr08	NC_021167.1	10376672	GG	AA	AA	NON_SYNONYMOUS_CODING	101508732	Unknown function
SNP_37534B_10376680	Ca_Kabuli_Chr08	NC_021167.1	10376680	AA	TT	TT	SYNONYMOUS_CODING	101508732	Unknown function
SNP_37535B_10378514	Ca_Kabuli_Chr08	NC_021167.1	10378514	GG	AA	AA	INTRON	101508732	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_37536B_10378517	Ca_Kabuli_Chr08	NC_021167.1	10378517	GG	AA	AA	INTRON	101508732	Unknown function
SNP_37537B_10378558	Ca_Kabuli_Chr08	NC_021167.1	10378558	CC	AA	AA	INTRON	101508732	Unknown function
SNP_37538B_10378883	Ca_Kabuli_Chr08	NC_021167.1	10378883	GG	AA	AA	INTERGENIC		
SNP_37539B_10380756	Ca_Kabuli_Chr08	NC_021167.1	10380756	AA	GG	GG	URR	101508732	Unknown function
SNP_37540B_10380779	Ca_Kabuli_Chr08	NC_021167.1	10380779	AA	CC	CC	URR	101508732	Unknown function
SNP_37541B_10380785	Ca_Kabuli_Chr08	NC_021167.1	10380785	AA	GG	GG	URR	101508732	Unknown function
SNP_37542B_10380803	Ca_Kabuli_Chr08	NC_021167.1	10380803	GG	AA	TT	URR	101508732	Unknown function
SNP_37543B_10380836	Ca_Kabuli_Chr08	NC_021167.1	10380836	CC	TT	TT	URR	101508732	Unknown function
SNP_37544B_10380864	Ca_Kabuli_Chr08	NC_021167.1	10380864	AA	CC	CC	URR	101508732	Unknown function
SNP_37545B_10380925	Ca_Kabuli_Chr08	NC_021167.1	10380925	CC	TT	TT	URR	101508732	Unknown function
SNP_37546B_10380968	Ca_Kabuli_Chr08	NC_021167.1	10380968	GG	AA	AA	URR	101508732	Unknown function
SNP_37547B_10381105	Ca_Kabuli_Chr08	NC_021167.1	10381105	TT	CC	CC	URR	101508732	Unknown function
SNP_37548B_10381169	Ca_Kabuli_Chr08	NC_021167.1	10381169	AA	GG	GG	URR	101508732	Unknown function
SNP_37549B_10381175	Ca_Kabuli_Chr08	NC_021167.1	10381175	TT	GG	GG	URR	101508732	Unknown function
SNP_37550B_10381189	Ca_Kabuli_Chr08	NC_021167.1	10381189	TT	CC	CC	URR	101508732	Unknown function
SNP_37551B_10381216	Ca_Kabuli_Chr08	NC_021167.1	10381216	GG	AA	AA	URR	101508732	Unknown function
SNP_37552B_10381234	Ca_Kabuli_Chr08	NC_021167.1	10381234	TT	CC	CC	URR	101508732	Unknown function
SNP_37553B_10381256	Ca_Kabuli_Chr08	NC_021167.1	10381256	TT	CC	CC	URR	101508732	Unknown function
SNP_37554B_10381288	Ca_Kabuli_Chr08	NC_021167.1	10381288	TT	GG	GG	URR	101508732	Unknown function
SNP_37555B_10381307	Ca_Kabuli_Chr08	NC_021167.1	10381307	CC	AA	AA	URR	101508732	Unknown function
SNP_37556B_10381473	Ca_Kabuli_Chr08	NC_021167.1	10381473	TT	CC	CC	URR	101508732	Unknown function
SNP_37557B_10381502	Ca_Kabuli_Chr08	NC_021167.1	10381502	GG	AA	AA	URR	101508732	Unknown function
SNP_37558B_10381522	Ca_Kabuli_Chr08	NC_021167.1	10381522	AA	CC	CC	URR	101508732	Unknown function
SNP_37560B_10381706	Ca_Kabuli_Chr08	NC_021167.1	10381706	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_37561B_10381708	Ca_Kabuli_Chr08	NC_021167.1	10381708	GG	AA	AA	INTERGENIC		
SNP_37562B_10381782	Ca_Kabuli_Chr08	NC_021167.1	10381782	CC	TT	TT	INTERGENIC		
SNP_37563B_10386950	Ca_Kabuli_Chr08	NC_021167.1	10386950	TT	GG	GG	URR	101488498	Unknown function
SNP_37564B_10386964	Ca_Kabuli_Chr08	NC_021167.1	10386964	AA	TT	TT	URR	101488498	Unknown function
SNP_37565B_10387025	Ca_Kabuli_Chr08	NC_021167.1	10387025	TT	CC	CC	URR	101488498	Unknown function
SNP_37566B_10387074	Ca_Kabuli_Chr08	NC_021167.1	10387074	AA	GG	GG	URR	101488498	Unknown function
SNP_37567B_10387189	Ca_Kabuli_Chr08	NC_021167.1	10387189	TT	AA	AA	DRR	101488838	Unknown function
SNP_37568B_10387233	Ca_Kabuli_Chr08	NC_021167.1	10387233	TT	CC	CC	DRR	101488838	Unknown function
SNP_37569B_10387236	Ca_Kabuli_Chr08	NC_021167.1	10387236	TT	GG	GG	DRR	101488838	Unknown function
SNP_37570B_10387238	Ca_Kabuli_Chr08	NC_021167.1	10387238	TT	AA	AA	DRR	101488838	Unknown function
SNP_37571B_10387267	Ca_Kabuli_Chr08	NC_021167.1	10387267	AA	GG	GG	DRR	101488838	Unknown function
SNP_37572B_10387292	Ca_Kabuli_Chr08	NC_021167.1	10387292	GG	TT	TT	DRR	101488838	Unknown function
SNP_37573B_10387321	Ca_Kabuli_Chr08	NC_021167.1	10387321	TT	GG	GG	DRR	101488838	Unknown function
SNP_37574B_10387630	Ca_Kabuli_Chr08	NC_021167.1	10387630	GG	AA	AA	DRR	101488838	Unknown function
SNP_37575B_10412284	Ca_Kabuli_Chr08	NC_021167.1	10412284	GG	AA	AA	INTERGENIC		
SNP_37576B_10412347	Ca_Kabuli_Chr08	NC_021167.1	10412347	CC	TT	TT	INTERGENIC		
SNP_37577B_10412632	Ca_Kabuli_Chr08	NC_021167.1	10412632	GG	TT	TT	INTERGENIC		
SNP_37578B_10419129	Ca_Kabuli_Chr08	NC_021167.1	10419129	CC	TT	TT	INTRON	101489161	uncharacterized LOC101489161
SNP_37579B_10428461	Ca_Kabuli_Chr08	NC_021167.1	10428461	GG	AA	AA	INTERGENIC		
SNP_37580B_10509107	Ca_Kabuli_Chr08	NC_021167.1	10509107	CC	TT	TT	INTRON	101490774	uncharacterized LOC101490774
SNP_37581B_10509130	Ca_Kabuli_Chr08	NC_021167.1	10509130	AA	CC	CC	INTRON	101490774	uncharacterized LOC101490774
SNP_37582B_10509134	Ca_Kabuli_Chr08	NC_021167.1	10509134	CC	TT	TT	INTRON	101490774	uncharacterized LOC101490774
SNP_37583B_10509191	Ca_Kabuli_Chr08	NC_021167.1	10509191	TT	CC	CC	INTRON	101490774	uncharacterized LOC101490774
SNP_37584B_10509198	Ca_Kabuli_Chr08	NC_021167.1	10509198	TT	CC	CC	INTRON	101490774	uncharacterized LOC101490774

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_37585B_10509582	Ca_Kabuli_Chr08	NC_021167.1	10509582	GG	AA	AA	INTRON	101490774	uncharacterized LOC101490774
SNP_37586B_10575678	Ca_Kabuli_Chr08	NC_021167.1	10575678	TT	CC	CC	INTERGENIC		
SNP_37587B_10575785	Ca_Kabuli_Chr08	NC_021167.1	10575785	GG	AA	AA	INTERGENIC		
SNP_37588B_10589752	Ca_Kabuli_Chr08	NC_021167.1	10589752	CC	TT	TT	INTERGENIC		
SNP_37589B_10589808	Ca_Kabuli_Chr08	NC_021167.1	10589808	GG	AA	AA	INTERGENIC		
SNP_37590B_10590011	Ca_Kabuli_Chr08	NC_021167.1	10590011	CC	GG	GG	INTERGENIC		
SNP_37591B_10590020	Ca_Kabuli_Chr08	NC_021167.1	10590020	TT	CC	CC	INTERGENIC		
SNP_37592B_10590065	Ca_Kabuli_Chr08	NC_021167.1	10590065	GG	CC	CC	INTERGENIC		
SNP_37594B_10590230	Ca_Kabuli_Chr08	NC_021167.1	10590230	AA	TT	TT	INTERGENIC		
SNP_37595B_10590404	Ca_Kabuli_Chr08	NC_021167.1	10590404	TT	AA	AA	INTERGENIC		
SNP_37596B_10590416	Ca_Kabuli_Chr08	NC_021167.1	10590416	GG	AA	AA	INTERGENIC		
SNP_37597B_10590452	Ca_Kabuli_Chr08	NC_021167.1	10590452	CC	TT	TT	INTERGENIC		
SNP_37598B_10590629	Ca_Kabuli_Chr08	NC_021167.1	10590629	AA	CC	CC	INTERGENIC		
SNP_37599B_10590693	Ca_Kabuli_Chr08	NC_021167.1	10590693	GG	AA	AA	INTERGENIC		
SNP_37600B_10590721	Ca_Kabuli_Chr08	NC_021167.1	10590721	CC	GG	GG	INTERGENIC		
SNP_37601B_10590752	Ca_Kabuli_Chr08	NC_021167.1	10590752	CC	AA	AA	INTERGENIC		
SNP_37602B_10590884	Ca_Kabuli_Chr08	NC_021167.1	10590884	CC	TT	TT	INTERGENIC		
SNP_37603B_10591047	Ca_Kabuli_Chr08	NC_021167.1	10591047	GG	TT	TT	INTERGENIC		
SNP_37604B_10591062	Ca_Kabuli_Chr08	NC_021167.1	10591062	CC	AA	AA	INTERGENIC		
SNP_37605B_10591102	Ca_Kabuli_Chr08	NC_021167.1	10591102	TT	AA	AA	INTERGENIC		
SNP_37606B_10591148	Ca_Kabuli_Chr08	NC_021167.1	10591148	GG	TT	TT	INTERGENIC		
SNP_37607B_10591281	Ca_Kabuli_Chr08	NC_021167.1	10591281	AA	GG	GG	INTERGENIC		
SNP_37608B_10591282	Ca_Kabuli_Chr08	NC_021167.1	10591282	CC	AA	AA	INTERGENIC		
SNP_37609B_10591284	Ca_Kabuli_Chr08	NC_021167.1	10591284	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_37610B_10591288	Ca_Kabuli_Chr08	NC_021167.1	10591288	AA	TT	TT	INTERGENIC		
SNP_37611B_10591289	Ca_Kabuli_Chr08	NC_021167.1	10591289	CC	TT	TT	INTERGENIC		
SNP_37612B_10591291	Ca_Kabuli_Chr08	NC_021167.1	10591291	TT	CC	CC	INTERGENIC		
SNP_37613B_10591315	Ca_Kabuli_Chr08	NC_021167.1	10591315	TT	CC	CC	INTERGENIC		
SNP_37614B_10591331	Ca_Kabuli_Chr08	NC_021167.1	10591331	AA	GG	GG	INTERGENIC		
SNP_37615B_10591334	Ca_Kabuli_Chr08	NC_021167.1	10591334	CC	GG	GG	INTERGENIC		
SNP_37616B_10591339	Ca_Kabuli_Chr08	NC_021167.1	10591339	CC	AA	AA	INTERGENIC		
SNP_37617B_10591355	Ca_Kabuli_Chr08	NC_021167.1	10591355	GG	AA	AA	INTERGENIC		
SNP_37618B_10591463	Ca_Kabuli_Chr08	NC_021167.1	10591463	GG	AA	AA	INTERGENIC		
SNP_37619B_10591529	Ca_Kabuli_Chr08	NC_021167.1	10591529	TT	AA	AA	INTERGENIC		
SNP_37620B_10591560	Ca_Kabuli_Chr08	NC_021167.1	10591560	TT	CC	CC	INTERGENIC		
SNP_37621B_10612439	Ca_Kabuli_Chr08	NC_021167.1	10612439	AA	CC	CC	INTERGENIC		
SNP_37622B_10612502	Ca_Kabuli_Chr08	NC_021167.1	10612502	TT	CC	CC	INTERGENIC		
SNP_37623B_10612771	Ca_Kabuli_Chr08	NC_021167.1	10612771	GG	AA	AA	INTERGENIC		
SNP_37624B_10612789	Ca_Kabuli_Chr08	NC_021167.1	10612789	AA	GG	GG	INTERGENIC		
SNP_37626B_10632001	Ca_Kabuli_Chr08	NC_021167.1	10632001	GG	AA	AA	INTERGENIC		
SNP_37627B_10632004	Ca_Kabuli_Chr08	NC_021167.1	10632004	GG	AA	AA	INTERGENIC		
SNP_37628B_10632006	Ca_Kabuli_Chr08	NC_021167.1	10632006	CC	TT	TT	INTERGENIC		
SNP_37629B_10645712	Ca_Kabuli_Chr08	NC_021167.1	10645712	CC	TT	TT	INTERGENIC		
SNP_37630B_10645835	Ca_Kabuli_Chr08	NC_021167.1	10645835	AA	TT	TT	INTERGENIC		
SNP_37631B_10646025	Ca_Kabuli_Chr08	NC_021167.1	10646025	TT	CC	CC	INTERGENIC		
SNP_37632B_10646076	Ca_Kabuli_Chr08	NC_021167.1	10646076	GG	AA	AA	INTERGENIC		
SNP_37633B_10646201	Ca_Kabuli_Chr08	NC_021167.1	10646201	CC	GG	GG	INTERGENIC		
SNP_37635B_10686627	Ca_Kabuli_Chr08	NC_021167.1	10686627	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_37636B_10697666	Ca_Kabuli_Chr08	NC_021167.1	10697666	AA	GG	GG	INTRON	101504019	chlorophyll a-b binding protein AB80, chloroplastic-like
SNP_37637B_10699317	Ca_Kabuli_Chr08	NC_021167.1	10699317	CC	GG	GG	URR	101504019	chlorophyll a-b binding protein AB80, chloroplastic-like
SNP_37638B_10699341	Ca_Kabuli_Chr08	NC_021167.1	10699341	TT	CC	CC	URR	101504019	chlorophyll a-b binding protein AB80, chloroplastic-like
SNP_37639B_10699353	Ca_Kabuli_Chr08	NC_021167.1	10699353	AA	CC	CC	URR	101504019	chlorophyll a-b binding protein AB80, chloroplastic-like
SNP_37640B_10699360	Ca_Kabuli_Chr08	NC_021167.1	10699360	CC	TT	TT	URR	101504019	chlorophyll a-b binding protein AB80, chloroplastic-like
SNP_37641B_10701361	Ca_Kabuli_Chr08	NC_021167.1	10701361	AA	CC	CC	INTERGENIC		
SNP_37642B_10701397	Ca_Kabuli_Chr08	NC_021167.1	10701397	AA	CC	CC	INTERGENIC		
SNP_37643B_10701411	Ca_Kabuli_Chr08	NC_021167.1	10701411	GG	AA	AA	INTERGENIC		
SNP_37644B_10701414	Ca_Kabuli_Chr08	NC_021167.1	10701414	CC	TT	TT	INTERGENIC		
SNP_37645B_10701438	Ca_Kabuli_Chr08	NC_021167.1	10701438	AA	GG	GG	INTERGENIC		
SNP_37646B_10701470	Ca_Kabuli_Chr08	NC_021167.1	10701470	AA	GG	GG	INTERGENIC		
SNP_37647B_10701523	Ca_Kabuli_Chr08	NC_021167.1	10701523	AA	TT	TT	INTERGENIC		
SNP_37648B_10701537	Ca_Kabuli_Chr08	NC_021167.1	10701537	CC	AA	AA	INTERGENIC		
SNP_37649B_10701556	Ca_Kabuli_Chr08	NC_021167.1	10701556	CC	AA	AA	INTERGENIC		
SNP_37650B_10701601	Ca_Kabuli_Chr08	NC_021167.1	10701601	CC	TT	TT	INTERGENIC		
SNP_37651B_10701611	Ca_Kabuli_Chr08	NC_021167.1	10701611	AA	GG	GG	INTERGENIC		
SNP_37652B_10701702	Ca_Kabuli_Chr08	NC_021167.1	10701702	GG	AA	AA	INTERGENIC		
SNP_37653B_10701719	Ca_Kabuli_Chr08	NC_021167.1	10701719	AA	GG	GG	INTERGENIC		
SNP_37654B_10701745	Ca_Kabuli_Chr08	NC_021167.1	10701745	CC	GG	GG	INTERGENIC		
SNP_37655B_10701763	Ca_Kabuli_Chr08	NC_021167.1	10701763	TT	AA	AA	INTERGENIC		
SNP_37656B_10701815	Ca_Kabuli_Chr08	NC_021167.1	10701815	CC	TT	TT	INTERGENIC		
SNP_37657B_10701915	Ca_Kabuli_Chr08	NC_021167.1	10701915	CC	TT	TT	INTERGENIC		
SNP_37658B_10701925	Ca_Kabuli_Chr08	NC_021167.1	10701925	GG	AA	AA	INTERGENIC		
SNP_37660B_10728066	Ca_Kabuli_Chr08	NC_021167.1	10728066	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_37661B_10731032	Ca_Kabuli_Chr08	NC_021167.1	10731032	GG	AA	AA	URR	101493600	folylpolyglutamate synthase-like
SNP_37662B_10827800	Ca_Kabuli_Chr08	NC_021167.1	10827800	CC	TT	TT	DRR	101505633	extensin-like
SNP_37663B_10905114	Ca_Kabuli_Chr08	NC_021167.1	10905114	CC	AA	AA	NON_SYNONYMOUS_CODING	101506266	Unknown function
SNP_37665B_10944114	Ca_Kabuli_Chr08	NC_021167.1	10944114	CC	TT	TT	DRR	101507565	Unknown function
SNP_37666B_10955200	Ca_Kabuli_Chr08	NC_021167.1	10955200	GG	CC	CC	NON_SYNONYMOUS_CODING	101507878	pentatricopeptide repeat-containing protein At5g16640, mitochondrial-like
SNP_37667B_10959970	Ca_Kabuli_Chr08	NC_021167.1	10959970	TT	CC	CC	INTERGENIC		
SNP_37668B_10960190	Ca_Kabuli_Chr08	NC_021167.1	10960190	GG	AA	AA	INTERGENIC		
SNP_37669B_10970479	Ca_Kabuli_Chr08	NC_021167.1	10970479	TT	CC	CC	SYNONYMOUS_CODING	101508191	putative pentatricopeptide repeat-containing protein At1g12700, mitochondrial
SNP_37670B_10970855	Ca_Kabuli_Chr08	NC_021167.1	10970855	AA	GG	GG	NON_SYNONYMOUS_CODING	101508191	putative pentatricopeptide repeat-containing protein At1g12700, mitochondrial
SNP_37671B_11015176	Ca_Kabuli_Chr08	NC_021167.1	11015176	TT	GG	GG	DRR	101508828	pentatricopeptide repeat-containing protein At3g22470, mitochondrial-like
SNP_37672B_11015471	Ca_Kabuli_Chr08	NC_021167.1	11015471	CC	GG	GG	DRR	101508828	pentatricopeptide repeat-containing protein At3g22470, mitochondrial-like
SNP_37673B_11015550	Ca_Kabuli_Chr08	NC_021167.1	11015550	AA	CC	CC	DRR	101508828	pentatricopeptide repeat-containing protein At3g22470, mitochondrial-like
SNP_37674B_11063093	Ca_Kabuli_Chr08	NC_021167.1	11063093	TT	AA	AA	DRR	101509900	MATE efflux family protein 5-like
SNP_37675B_11070723	Ca_Kabuli_Chr08	NC_021167.1	11070723	TT	CC	CC	URR	101509900	MATE efflux family protein 5-like
SNP_37676B_11070732	Ca_Kabuli_Chr08	NC_021167.1	11070732	CC	TT	TT	URR	101509900	MATE efflux family protein 5-like
SNP_37678B_11072703	Ca_Kabuli_Chr08	NC_021167.1	11072703	AA	GG	GG	INTERGENIC		
SNP_37679B_11072728	Ca_Kabuli_Chr08	NC_021167.1	11072728	CC	AA	AA	INTERGENIC		
SNP_37680B_11079293	Ca_Kabuli_Chr08	NC_021167.1	11079293	AA	TT	TT	URR	101510218	Unknown function
SNP_37681B_11079549	Ca_Kabuli_Chr08	NC_021167.1	11079549	AA	GG	GG	URR	101510218	Unknown function
SNP_37682B_11083762	Ca_Kabuli_Chr08	NC_021167.1	11083762	TT	AA	AA	INTERGENIC		
SNP_37683B_11090531	Ca_Kabuli_Chr08	NC_021167.1	11090531	CC	TT	TT	INTRON	101510554	MATE efflux family protein 5-like
SNP_37684B_11091882	Ca_Kabuli_Chr08	NC_021167.1	11091882	TT	AA	AA	URR	101510554	MATE efflux family protein 5-like
SNP_37685B_11101727	Ca_Kabuli_Chr08	NC_021167.1	11101727	AA	GG	GG	SPLICE_SITE_REGION	101510875	cyclin-dependent kinase D-3-like
SNP_37686B_11113485	Ca_Kabuli_Chr08	NC_021167.1	11113485	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_37687B_11113551	Ca_Kabuli_Chr08	NC_021167.1	11113551	AA	GG	GG	INTERGENIC		
SNP_37688B_11113607	Ca_Kabuli_Chr08	NC_021167.1	11113607	GG	CC	CC	INTERGENIC		
SNP_37690B_11113972	Ca_Kabuli_Chr08	NC_021167.1	11113972	TT	CC	CC	INTERGENIC		
SNP_37691B_11113984	Ca_Kabuli_Chr08	NC_021167.1	11113984	TT	CC	CC	INTERGENIC		
SNP_37692B_11114009	Ca_Kabuli_Chr08	NC_021167.1	11114009	CC	TT	TT	INTERGENIC		
SNP_37693B_11114010	Ca_Kabuli_Chr08	NC_021167.1	11114010	TT	CC	CC	INTERGENIC		
SNP_37695B_11143541	Ca_Kabuli_Chr08	NC_021167.1	11143541	CC	TT	TT	INTERGENIC		
SNP_37696B_11143902	Ca_Kabuli_Chr08	NC_021167.1	11143902	GG	AA	AA	INTERGENIC		
SNP_37697B_11143959	Ca_Kabuli_Chr08	NC_021167.1	11143959	AA	GG	GG	INTERGENIC		
SNP_37698B_11143996	Ca_Kabuli_Chr08	NC_021167.1	11143996	AA	GG	GG	INTERGENIC		
SNP_37699B_11144005	Ca_Kabuli_Chr08	NC_021167.1	11144005	GG	AA	AA	INTERGENIC		
SNP_37700B_11144269	Ca_Kabuli_Chr08	NC_021167.1	11144269	TT	CC	CC	INTERGENIC		
SNP_37701B_11144773	Ca_Kabuli_Chr08	NC_021167.1	11144773	GG	AA	AA	INTERGENIC		
SNP_37702B_11144874	Ca_Kabuli_Chr08	NC_021167.1	11144874	GG	TT	TT	INTERGENIC		
SNP_37703B_11145681	Ca_Kabuli_Chr08	NC_021167.1	11145681	CC	TT	TT	INTERGENIC		
SNP_37705B_11145871	Ca_Kabuli_Chr08	NC_021167.1	11145871	CC	AA	AA	INTERGENIC		
SNP_37706B_11145921	Ca_Kabuli_Chr08	NC_021167.1	11145921	AA	GG	GG	INTERGENIC		
SNP_37707B_11146172	Ca_Kabuli_Chr08	NC_021167.1	11146172	CC	GG	GG	INTERGENIC		
SNP_37710B_11146576	Ca_Kabuli_Chr08	NC_021167.1	11146576	CC	TT	TT	INTERGENIC		
SNP_37711B_11146612	Ca_Kabuli_Chr08	NC_021167.1	11146612	CC	TT	TT	INTERGENIC		
SNP_37712B_11146679	Ca_Kabuli_Chr08	NC_021167.1	11146679	TT	AA	AA	INTERGENIC		
SNP_37714B_11146812	Ca_Kabuli_Chr08	NC_021167.1	11146812	CC	TT	TT	INTERGENIC		
SNP_37715B_11147104	Ca_Kabuli_Chr08	NC_021167.1	11147104	AA	GG	GG	INTERGENIC		
SNP_37716B_11153182	Ca_Kabuli_Chr08	NC_021167.1	11153182	GG	AA	AA	INTRON	101503033	F-box/kelch-repeat protein At3g06240-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_37717B_11154936	Ca_Kabuli_Chr08	NC_021167.1	11154936	TT	GG	GG	INTRON	101503033	F-box/kelch-repeat protein At3g06240-like
SNP_37718B_11155097	Ca_Kabuli_Chr08	NC_021167.1	11155097	GG	AA	AA	INTRON	101503033	F-box/kelch-repeat protein At3g06240-like
SNP_37719B_11157955	Ca_Kabuli_Chr08	NC_021167.1	11157955	TT	CC	CC	INTERGENIC		
SNP_37720B_11158208	Ca_Kabuli_Chr08	NC_021167.1	11158208	TT	CC	CC	INTERGENIC		
SNP_37721B_11158347	Ca_Kabuli_Chr08	NC_021167.1	11158347	GG	AA	AA	INTERGENIC		
SNP_37722B_11158532	Ca_Kabuli_Chr08	NC_021167.1	11158532	TT	CC	CC	INTERGENIC		
SNP_37723B_11158552	Ca_Kabuli_Chr08	NC_021167.1	11158552	CC	AA	AA	INTERGENIC		
SNP_37724B_11158832	Ca_Kabuli_Chr08	NC_021167.1	11158832	GG	TT	TT	INTERGENIC		
SNP_37725B_11159279	Ca_Kabuli_Chr08	NC_021167.1	11159279	GG	TT	TT	INTERGENIC		
SNP_37726B_11160381	Ca_Kabuli_Chr08	NC_021167.1	11160381	CC	TT	TT	INTERGENIC		
SNP_37727B_11164841	Ca_Kabuli_Chr08	NC_021167.1	11164841	CC	TT	TT	URR	101503360	F-box/kelch-repeat protein At3g06240-like
SNP_37728B_11167470	Ca_Kabuli_Chr08	NC_021167.1	11167470	TT	CC	CC	INTERGENIC		
SNP_37730B_11168880	Ca_Kabuli_Chr08	NC_021167.1	11168880	CC	TT	TT	INTERGENIC		
SNP_37731B_11168904	Ca_Kabuli_Chr08	NC_021167.1	11168904	CC	GG	GG	INTERGENIC		
SNP_37732B_11168930	Ca_Kabuli_Chr08	NC_021167.1	11168930	AA	GG	GG	INTERGENIC		
SNP_37733B_11168931	Ca_Kabuli_Chr08	NC_021167.1	11168931	GG	AA	AA	INTERGENIC		
SNP_37734B_11168949	Ca_Kabuli_Chr08	NC_021167.1	11168949	TT	AA	AA	INTERGENIC		
SNP_37735B_11168962	Ca_Kabuli_Chr08	NC_021167.1	11168962	AA	GG	GG	INTERGENIC		
SNP_37736B_11169132	Ca_Kabuli_Chr08	NC_021167.1	11169132	TT	CC	CC	INTERGENIC		
SNP_37737B_11169151	Ca_Kabuli_Chr08	NC_021167.1	11169151	GG	CC	CC	INTERGENIC		
SNP_37738B_11169198	Ca_Kabuli_Chr08	NC_021167.1	11169198	GG	AA	AA	INTERGENIC		
SNP_37739B_11169206	Ca_Kabuli_Chr08	NC_021167.1	11169206	GG	AA	AA	INTERGENIC		
SNP_37740B_11174193	Ca_Kabuli_Chr08	NC_021167.1	11174193	AA	TT	TT	INTERGENIC		
SNP_37741B_11180842	Ca_Kabuli_Chr08	NC_021167.1	11180842	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_37742B_11180956	Ca_Kabuli_Chr08	NC_021167.1	11180956	CC	AA	AA	INTERGENIC		
SNP_37743B_11185077	Ca_Kabuli_Chr08	NC_021167.1	11185077	CC	AA	AA	INTERGENIC		
SNP_37744B_11194201	Ca_Kabuli_Chr08	NC_021167.1	11194201	TT	AA	AA	INTERGENIC		
SNP_37746B_11246881	Ca_Kabuli_Chr08	NC_021167.1	11246881	AA	TT	TT	INTERGENIC		
SNP_37747B_11248404	Ca_Kabuli_Chr08	NC_021167.1	11248404	AA	TT	TT	INTERGENIC		
SNP_37749B_11314333	Ca_Kabuli_Chr08	NC_021167.1	11314333	TT	CC	CC	INTERGENIC		
SNP_37750B_11340332	Ca_Kabuli_Chr08	NC_021167.1	11340332	CC	TT	TT	INTERGENIC		
SNP_37752B_11360110	Ca_Kabuli_Chr08	NC_021167.1	11360110	TT	CC	CC	INTERGENIC		
SNP_37753B_11360112	Ca_Kabuli_Chr08	NC_021167.1	11360112	CC	TT	TT	INTERGENIC		
SNP_37754B_11360123	Ca_Kabuli_Chr08	NC_021167.1	11360123	AA	CC	CC	INTERGENIC		
SNP_37755B_11369633	Ca_Kabuli_Chr08	NC_021167.1	11369633	AA	GG	GG	INTERGENIC		
SNP_37756B_11393227	Ca_Kabuli_Chr08	NC_021167.1	11393227	GG	TT	TT	INTERGENIC		
SNP_37757B_11393239	Ca_Kabuli_Chr08	NC_021167.1	11393239	AA	GG	GG	INTERGENIC		
SNP_37758B_11415518	Ca_Kabuli_Chr08	NC_021167.1	11415518	AA	GG	GG	INTERGENIC		
SNP_37759B_11415552	Ca_Kabuli_Chr08	NC_021167.1	11415552	AA	GG	GG	INTERGENIC		
SNP_37760B_11415554	Ca_Kabuli_Chr08	NC_021167.1	11415554	GG	AA	AA	INTERGENIC		
SNP_37761B_11422533	Ca_Kabuli_Chr08	NC_021167.1	11422533	AA	TT	TT	INTERGENIC		
SNP_37762B_11422569	Ca_Kabuli_Chr08	NC_021167.1	11422569	GG	AA	AA	INTERGENIC		
SNP_37763B_11422581	Ca_Kabuli_Chr08	NC_021167.1	11422581	AA	CC	CC	INTERGENIC		
SNP_37764B_11422612	Ca_Kabuli_Chr08	NC_021167.1	11422612	GG	AA	AA	INTERGENIC		
SNP_37765B_11422847	Ca_Kabuli_Chr08	NC_021167.1	11422847	TT	AA	AA	INTERGENIC		
SNP_37766B_11442612	Ca_Kabuli_Chr08	NC_021167.1	11442612	AA	GG	GG	INTERGENIC		
SNP_37767B_11448882	Ca_Kabuli_Chr08	NC_021167.1	11448882	AA	CC	CC	NON_SYNONYMOUS_CODING	101508193	F-box/kelch-repeat protein At3g06240-like
SNP_37768B_11449290	Ca_Kabuli_Chr08	NC_021167.1	11449290	AA	GG	GG	NON_SYNONYMOUS_CODING	101508193	F-box/kelch-repeat protein At3g06240-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_37769B_11449296	Ca_Kabuli_Chr08	NC_021167.1	11449296	GG	AA	AA	NON_SYNONYMOUS_CODING	101508193	F-box/kelch-repeat protein At3g06240-like
SNP_37770B_11450163	Ca_Kabuli_Chr08	NC_021167.1	11450163	TT	GG	GG	URR	101508193	F-box/kelch-repeat protein At3g06240-like
SNP_37771B_11463337	Ca_Kabuli_Chr08	NC_021167.1	11463337	TT	CC	CC	INTERGENIC		
SNP_37772B_11466154	Ca_Kabuli_Chr08	NC_021167.1	11466154	CC	GG	GG	INTERGENIC		
SNP_37773B_11523118	Ca_Kabuli_Chr08	NC_021167.1	11523118	TT	GG	GG	INTERGENIC		
SNP_37774B_11528288	Ca_Kabuli_Chr08	NC_021167.1	11528288	GG	AA	AA	INTERGENIC		
SNP_37775B_11530316	Ca_Kabuli_Chr08	NC_021167.1	11530316	GG	TT	TT	URR	101509154	Unknown function
SNP_37777B_11545479	Ca_Kabuli_Chr08	NC_021167.1	11545479	TT	AA	AA	INTRON	101491826	probable auxin efflux carrier component 1c
SNP_37779B_11603897	Ca_Kabuli_Chr08	NC_021167.1	11603897	GG	TT	TT	INTERGENIC		
SNP_37780B_11604106	Ca_Kabuli_Chr08	NC_021167.1	11604106	CC	TT	TT	INTERGENIC		
SNP_37781B_11604157	Ca_Kabuli_Chr08	NC_021167.1	11604157	AA	GG	GG	INTERGENIC		
SNP_37782B_11604167	Ca_Kabuli_Chr08	NC_021167.1	11604167	TT	AA	AA	INTERGENIC		
SNP_37783B_11605010	Ca_Kabuli_Chr08	NC_021167.1	11605010	CC	TT	TT	INTERGENIC		
SNP_37784B_11605201	Ca_Kabuli_Chr08	NC_021167.1	11605201	CC	TT	TT	INTERGENIC		
SNP_37785B_11605202	Ca_Kabuli_Chr08	NC_021167.1	11605202	TT	GG	GG	INTERGENIC		
SNP_37786B_11605213	Ca_Kabuli_Chr08	NC_021167.1	11605213	TT	AA	AA	INTERGENIC		
SNP_37787B_11605246	Ca_Kabuli_Chr08	NC_021167.1	11605246	TT	GG	GG	INTERGENIC		
SNP_37788B_11605247	Ca_Kabuli_Chr08	NC_021167.1	11605247	AA	TT	TT	INTERGENIC		
SNP_37789B_11605311	Ca_Kabuli_Chr08	NC_021167.1	11605311	GG	TT	TT	INTERGENIC		
SNP_37790B_11605315	Ca_Kabuli_Chr08	NC_021167.1	11605315	AA	TT	TT	INTERGENIC		
SNP_37791B_11605316	Ca_Kabuli_Chr08	NC_021167.1	11605316	GG	AA	AA	INTERGENIC		
SNP_37792B_11730909	Ca_Kabuli_Chr08	NC_021167.1	11730909	CC	GG	GG	URR	101498021	chromosome transmission fidelity protein 8 homolog
SNP_37793B_11757371	Ca_Kabuli_Chr08	NC_021167.1	11757371	AA	GG	GG	INTERGENIC		
SNP_37795B_11778000	Ca_Kabuli_Chr08	NC_021167.1	11778000	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_37796B_11921918	Ca_Kabuli_Chr08	NC_021167.1	11921918	TT	CC	CC	INTERGENIC		
SNP_37797B_11927219	Ca_Kabuli_Chr08	NC_021167.1	11927219	TT	CC	CC	INTERGENIC		
SNP_37799B_11969024	Ca_Kabuli_Chr08	NC_021167.1	11969024	CC	AA	AA	INTERGENIC		
SNP_37800B_11969073	Ca_Kabuli_Chr08	NC_021167.1	11969073	TT	AA	AA	INTERGENIC		
SNP_37801B_11969201	Ca_Kabuli_Chr08	NC_021167.1	11969201	TT	CC	CC	INTERGENIC		
SNP_37803B_11975718	Ca_Kabuli_Chr08	NC_021167.1	11975718	CC	GG	GG	INTRON	101514426	TMV resistance protein N-like
SNP_37804B_11975784	Ca_Kabuli_Chr08	NC_021167.1	11975784	AA	TT	TT	INTRON	101514426	TMV resistance protein N-like
SNP_37805B_11975895	Ca_Kabuli_Chr08	NC_021167.1	11975895	AA	GG	GG	INTRON	101514426	TMV resistance protein N-like
SNP_37806B_11976024	Ca_Kabuli_Chr08	NC_021167.1	11976024	GG	AA	AA	INTRON	101514426	TMV resistance protein N-like
SNP_37807B_11976543	Ca_Kabuli_Chr08	NC_021167.1	11976543	CC	TT	TT	INTRON	101514426	TMV resistance protein N-like
SNP_37808B_11976878	Ca_Kabuli_Chr08	NC_021167.1	11976878	CC	TT	TT	INTRON	101514426	TMV resistance protein N-like
SNP_37809B_11979474	Ca_Kabuli_Chr08	NC_021167.1	11979474	GG	AA	AA	INTRON	101514426	TMV resistance protein N-like
SNP_37810B_11979781	Ca_Kabuli_Chr08	NC_021167.1	11979781	AA	TT	TT	INTRON	101514426	TMV resistance protein N-like
SNP_37811B_11979785	Ca_Kabuli_Chr08	NC_021167.1	11979785	GG	AA	AA	INTRON	101514426	TMV resistance protein N-like
SNP_37812B_11986056	Ca_Kabuli_Chr08	NC_021167.1	11986056	GG	AA	AA	DRR	101513016	pentatricopeptide repeat-containing protein At3g22470, mitochondrial-like
SNP_37813B_11992934	Ca_Kabuli_Chr08	NC_021167.1	11992934	TT	CC	CC	INTERGENIC		
SNP_37814B_11992956	Ca_Kabuli_Chr08	NC_021167.1	11992956	GG	AA	AA	INTERGENIC		
SNP_37815B_11993264	Ca_Kabuli_Chr08	NC_021167.1	11993264	GG	AA	AA	INTERGENIC		
SNP_37816B_11993277	Ca_Kabuli_Chr08	NC_021167.1	11993277	TT	AA	AA	INTERGENIC		
SNP_37818B_12021832	Ca_Kabuli_Chr08	NC_021167.1	12021832	AA	GG	GG	DRR	101515736	Unknown function
SNP_37820B_12048590	Ca_Kabuli_Chr08	NC_021167.1	12048590	AA	GG	GG	INTERGENIC		
SNP_37821B_12048776	Ca_Kabuli_Chr08	NC_021167.1	12048776	CC	AA	AA	INTERGENIC		
SNP_37822B_12048782	Ca_Kabuli_Chr08	NC_021167.1	12048782	TT	CC	CC	INTERGENIC		
SNP_37823B_12048821	Ca_Kabuli_Chr08	NC_021167.1	12048821	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_37824B_12056430	Ca_Kabuli_Chr08	NC_021167.1	12056430	TT	AA	AA	INTERGENIC		
SNP_37825B_12056567	Ca_Kabuli_Chr08	NC_021167.1	12056567	GG	TT	TT	INTERGENIC		
SNP_37826B_12056696	Ca_Kabuli_Chr08	NC_021167.1	12056696	AA	TT	TT	INTERGENIC		
SNP_37827B_12062307	Ca_Kabuli_Chr08	NC_021167.1	12062307	TT	CC	CC	INTERGENIC		
SNP_37828B_12070536	Ca_Kabuli_Chr08	NC_021167.1	12070536	GG	TT	TT	INTERGENIC		
SNP_37829B_12082228	Ca_Kabuli_Chr08	NC_021167.1	12082228	TT	GG	GG	URR	101513873	uncharacterized LOC101513873
SNP_37830B_12818311	Ca_Kabuli_Chr08	NC_021167.1	12818311	AA	TT	TT	INTERGENIC		
SNP_37831B_12818384	Ca_Kabuli_Chr08	NC_021167.1	12818384	CC	TT	TT	INTERGENIC		
SNP_37832B_12818385	Ca_Kabuli_Chr08	NC_021167.1	12818385	TT	GG	GG	INTERGENIC		
SNP_37833B_12840692	Ca_Kabuli_Chr08	NC_021167.1	12840692	CC	TT	TT	INTERGENIC		
SNP_37834B_12843914	Ca_Kabuli_Chr08	NC_021167.1	12843914	TT	CC	CC	INTERGENIC		
SNP_37835B_12871893	Ca_Kabuli_Chr08	NC_021167.1	12871893	GG	TT	TT	INTERGENIC		
SNP_37837B_12978958	Ca_Kabuli_Chr08	NC_021167.1	12978958	CC	AA	AA	INTERGENIC		
SNP_37840B_12979086	Ca_Kabuli_Chr08	NC_021167.1	12979086	CC	GG	GG	INTERGENIC		
SNP_37841B_12979106	Ca_Kabuli_Chr08	NC_021167.1	12979106	AA	TT	TT	INTERGENIC		
SNP_37842B_12979119	Ca_Kabuli_Chr08	NC_021167.1	12979119	CC	AA	AA	INTERGENIC		
SNP_37843B_12979161	Ca_Kabuli_Chr08	NC_021167.1	12979161	CC	TT	TT	INTERGENIC		
SNP_37844B_12979166	Ca_Kabuli_Chr08	NC_021167.1	12979166	AA	GG	GG	INTERGENIC		
SNP_37845B_12979204	Ca_Kabuli_Chr08	NC_021167.1	12979204	TT	CC	CC	INTERGENIC		
SNP_37846B_12979252	Ca_Kabuli_Chr08	NC_021167.1	12979252	AA	TT	TT	INTERGENIC		
SNP_37847B_12979296	Ca_Kabuli_Chr08	NC_021167.1	12979296	TT	GG	GG	INTERGENIC		
SNP_37848B_12979338	Ca_Kabuli_Chr08	NC_021167.1	12979338	AA	GG	GG	INTERGENIC		
SNP_37849B_12979367	Ca_Kabuli_Chr08	NC_021167.1	12979367	TT	CC	CC	INTERGENIC		
SNP_37850B_12979513	Ca_Kabuli_Chr08	NC_021167.1	12979513	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_37851B_12979573	Ca_Kabuli_Chr08	NC_021167.1	12979573	CC	GG	GG	INTERGENIC		
SNP_37852B_12979615	Ca_Kabuli_Chr08	NC_021167.1	12979615	TT	GG	GG	INTERGENIC		
SNP_37853B_12979772	Ca_Kabuli_Chr08	NC_021167.1	12979772	TT	CC	CC	INTERGENIC		
SNP_37854B_12979826	Ca_Kabuli_Chr08	NC_021167.1	12979826	TT	GG	GG	INTERGENIC		
SNP_37855B_12979882	Ca_Kabuli_Chr08	NC_021167.1	12979882	TT	CC	CC	INTERGENIC		
SNP_37856B_12979947	Ca_Kabuli_Chr08	NC_021167.1	12979947	GG	AA	AA	INTERGENIC		
SNP_37857B_12980029	Ca_Kabuli_Chr08	NC_021167.1	12980029	AA	GG	GG	INTERGENIC		
SNP_37858B_12980036	Ca_Kabuli_Chr08	NC_021167.1	12980036	AA	GG	GG	INTERGENIC		
SNP_37859B_12980043	Ca_Kabuli_Chr08	NC_021167.1	12980043	AA	CC	CC	INTERGENIC		
SNP_37860B_12980632	Ca_Kabuli_Chr08	NC_021167.1	12980632	GG	CC	CC	INTERGENIC		
SNP_37861B_12980656	Ca_Kabuli_Chr08	NC_021167.1	12980656	TT	CC	CC	INTERGENIC		
SNP_37862B_12980711	Ca_Kabuli_Chr08	NC_021167.1	12980711	CC	TT	TT	INTERGENIC		
SNP_37863B_12980927	Ca_Kabuli_Chr08	NC_021167.1	12980927	CC	TT	TT	INTERGENIC		
SNP_37864B_12983429	Ca_Kabuli_Chr08	NC_021167.1	12983429	CC	TT	TT	INTERGENIC		
SNP_37865B_12983450	Ca_Kabuli_Chr08	NC_021167.1	12983450	CC	TT	TT	INTERGENIC		
SNP_37867B_12983506	Ca_Kabuli_Chr08	NC_021167.1	12983506	AA	CC	CC	INTERGENIC		
SNP_37868B_12983529	Ca_Kabuli_Chr08	NC_021167.1	12983529	AA	GG	GG	INTERGENIC		
SNP_37869B_12983626	Ca_Kabuli_Chr08	NC_021167.1	12983626	TT	CC	CC	INTERGENIC		
SNP_37870B_12983705	Ca_Kabuli_Chr08	NC_021167.1	12983705	AA	GG	GG	INTERGENIC		
SNP_37871B_12983740	Ca_Kabuli_Chr08	NC_021167.1	12983740	TT	AA	AA	INTERGENIC		
SNP_37872B_12983803	Ca_Kabuli_Chr08	NC_021167.1	12983803	CC	TT	TT	INTERGENIC		
SNP_37873B_12983854	Ca_Kabuli_Chr08	NC_021167.1	12983854	CC	AA	AA	INTERGENIC		
SNP_37874B_12983884	Ca_Kabuli_Chr08	NC_021167.1	12983884	CC	TT	TT	INTERGENIC		
SNP_37876B_12984089	Ca_Kabuli_Chr08	NC_021167.1	12984089	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_37877B_12984090	Ca_Kabuli_Chr08	NC_021167.1	12984090	AA	CC	CC	INTERGENIC		
SNP_37879B_12984113	Ca_Kabuli_Chr08	NC_021167.1	12984113	AA	TT	TT	INTERGENIC		
SNP_37880B_12984150	Ca_Kabuli_Chr08	NC_021167.1	12984150	TT	CC	CC	INTERGENIC		
SNP_37881B_12984201	Ca_Kabuli_Chr08	NC_021167.1	12984201	CC	TT	TT	INTERGENIC		
SNP_37882B_12984293	Ca_Kabuli_Chr08	NC_021167.1	12984293	AA	GG	GG	INTERGENIC		
SNP_37883B_12984359	Ca_Kabuli_Chr08	NC_021167.1	12984359	AA	GG	GG	INTERGENIC		
SNP_37884B_12984375	Ca_Kabuli_Chr08	NC_021167.1	12984375	TT	CC	CC	INTERGENIC		
SNP_37885B_12984390	Ca_Kabuli_Chr08	NC_021167.1	12984390	TT	CC	CC	INTERGENIC		
SNP_37886B_12984562	Ca_Kabuli_Chr08	NC_021167.1	12984562	CC	TT	TT	INTERGENIC		
SNP_37887B_12984651	Ca_Kabuli_Chr08	NC_021167.1	12984651	AA	GG	GG	INTERGENIC		
SNP_37888B_12984734	Ca_Kabuli_Chr08	NC_021167.1	12984734	AA	TT	TT	INTERGENIC		
SNP_37889B_12984782	Ca_Kabuli_Chr08	NC_021167.1	12984782	TT	CC	CC	INTERGENIC		
SNP_37890B_12984791	Ca_Kabuli_Chr08	NC_021167.1	12984791	CC	GG	GG	INTERGENIC		
SNP_37891B_12984886	Ca_Kabuli_Chr08	NC_021167.1	12984886	CC	TT	TT	INTERGENIC		
SNP_37892B_12984943	Ca_Kabuli_Chr08	NC_021167.1	12984943	GG	AA	AA	INTERGENIC		
SNP_37893B_12984953	Ca_Kabuli_Chr08	NC_021167.1	12984953	CC	TT	TT	INTERGENIC		
SNP_37894B_12984971	Ca_Kabuli_Chr08	NC_021167.1	12984971	AA	GG	GG	INTERGENIC		
SNP_37895B_12984994	Ca_Kabuli_Chr08	NC_021167.1	12984994	GG	CC	CC	INTERGENIC		
SNP_37896B_12985038	Ca_Kabuli_Chr08	NC_021167.1	12985038	AA	CC	CC	INTERGENIC		
SNP_37897B_12985058	Ca_Kabuli_Chr08	NC_021167.1	12985058	TT	CC	CC	INTERGENIC		
SNP_37898B_12985109	Ca_Kabuli_Chr08	NC_021167.1	12985109	TT	AA	AA	INTERGENIC		
SNP_37899B_12985116	Ca_Kabuli_Chr08	NC_021167.1	12985116	AA	GG	GG	INTERGENIC		
SNP_37900B_12985121	Ca_Kabuli_Chr08	NC_021167.1	12985121	TT	CC	CC	INTERGENIC		
SNP_37901B_12985151	Ca_Kabuli_Chr08	NC_021167.1	12985151	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_37902B_12985289	Ca_Kabuli_Chr08	NC_021167.1	12985289	GG	CC	CC	INTERGENIC		
SNP_37904B_12985350	Ca_Kabuli_Chr08	NC_021167.1	12985350	AA	GG	GG	INTERGENIC		
SNP_37905B_12985586	Ca_Kabuli_Chr08	NC_021167.1	12985586	GG	AA	AA	INTERGENIC		
SNP_37906B_12985618	Ca_Kabuli_Chr08	NC_021167.1	12985618	CC	TT	TT	INTERGENIC		
SNP_37907B_12985661	Ca_Kabuli_Chr08	NC_021167.1	12985661	CC	TT	TT	INTERGENIC		
SNP_37908B_12985762	Ca_Kabuli_Chr08	NC_021167.1	12985762	AA	GG	GG	INTERGENIC		
SNP_37909B_12986964	Ca_Kabuli_Chr08	NC_021167.1	12986964	AA	CC	CC	INTERGENIC		
SNP_37910B_12987197	Ca_Kabuli_Chr08	NC_021167.1	12987197	CC	TT	TT	INTERGENIC		
SNP_37911B_12987250	Ca_Kabuli_Chr08	NC_021167.1	12987250	GG	TT	TT	INTERGENIC		
SNP_37912B_12987314	Ca_Kabuli_Chr08	NC_021167.1	12987314	TT	GG	GG	INTERGENIC		
SNP_37913B_12987355	Ca_Kabuli_Chr08	NC_021167.1	12987355	TT	CC	CC	INTERGENIC		
SNP_37914B_12987382	Ca_Kabuli_Chr08	NC_021167.1	12987382	CC	TT	TT	INTERGENIC		
SNP_37915B_12987420	Ca_Kabuli_Chr08	NC_021167.1	12987420	CC	TT	TT	INTERGENIC		
SNP_37916B_12987435	Ca_Kabuli_Chr08	NC_021167.1	12987435	GG	AA	AA	INTERGENIC		
SNP_37917B_12987580	Ca_Kabuli_Chr08	NC_021167.1	12987580	GG	CC	CC	INTERGENIC		
SNP_37918B_12987587	Ca_Kabuli_Chr08	NC_021167.1	12987587	GG	AA	AA	INTERGENIC		
SNP_37919B_12987628	Ca_Kabuli_Chr08	NC_021167.1	12987628	TT	AA	AA	INTERGENIC		
SNP_37920B_12987713	Ca_Kabuli_Chr08	NC_021167.1	12987713	GG	AA	AA	INTERGENIC		
SNP_37921B_12987737	Ca_Kabuli_Chr08	NC_021167.1	12987737	CC	TT	TT	INTERGENIC		
SNP_37922B_12987754	Ca_Kabuli_Chr08	NC_021167.1	12987754	AA	GG	GG	INTERGENIC		
SNP_37923B_12987760	Ca_Kabuli_Chr08	NC_021167.1	12987760	CC	TT	TT	INTERGENIC		
SNP_37924B_12987768	Ca_Kabuli_Chr08	NC_021167.1	12987768	GG	TT	TT	INTERGENIC		
SNP_37925B_12987779	Ca_Kabuli_Chr08	NC_021167.1	12987779	AA	GG	GG	INTERGENIC		
SNP_37926B_12987812	Ca_Kabuli_Chr08	NC_021167.1	12987812	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_37927B_12987902	Ca_Kabuli_Chr08	NC_021167.1	12987902	CC	TT	TT	INTERGENIC		
SNP_37928B_12987950	Ca_Kabuli_Chr08	NC_021167.1	12987950	TT	CC	CC	INTERGENIC		
SNP_37929B_12987954	Ca_Kabuli_Chr08	NC_021167.1	12987954	TT	AA	AA	INTERGENIC		
SNP_37930B_12988004	Ca_Kabuli_Chr08	NC_021167.1	12988004	TT	GG	GG	INTERGENIC		
SNP_37931B_12988071	Ca_Kabuli_Chr08	NC_021167.1	12988071	GG	TT	TT	INTERGENIC		
SNP_37932B_12988095	Ca_Kabuli_Chr08	NC_021167.1	12988095	AA	GG	GG	INTERGENIC		
SNP_37933B_12988115	Ca_Kabuli_Chr08	NC_021167.1	12988115	AA	GG	GG	INTERGENIC		
SNP_37934B_12988135	Ca_Kabuli_Chr08	NC_021167.1	12988135	TT	GG	GG	INTERGENIC		
SNP_37935B_12988200	Ca_Kabuli_Chr08	NC_021167.1	12988200	CC	TT	TT	INTERGENIC		
SNP_37936B_12988271	Ca_Kabuli_Chr08	NC_021167.1	12988271	AA	TT	TT	INTERGENIC		
SNP_37937B_12988422	Ca_Kabuli_Chr08	NC_021167.1	12988422	TT	CC	CC	INTERGENIC		
SNP_37938B_12988499	Ca_Kabuli_Chr08	NC_021167.1	12988499	TT	GG	GG	INTERGENIC		
SNP_37939B_12988543	Ca_Kabuli_Chr08	NC_021167.1	12988543	AA	TT	TT	INTERGENIC		
SNP_37941B_12988665	Ca_Kabuli_Chr08	NC_021167.1	12988665	CC	TT	TT	INTERGENIC		
SNP_37942B_12988824	Ca_Kabuli_Chr08	NC_021167.1	12988824	CC	AA	AA	INTERGENIC		
SNP_37943B_12988844	Ca_Kabuli_Chr08	NC_021167.1	12988844	GG	AA	AA	INTERGENIC		
SNP_37944B_12988960	Ca_Kabuli_Chr08	NC_021167.1	12988960	AA	CC	CC	INTERGENIC		
SNP_37945B_12988987	Ca_Kabuli_Chr08	NC_021167.1	12988987	GG	CC	CC	INTERGENIC		
SNP_37946B_12989033	Ca_Kabuli_Chr08	NC_021167.1	12989033	CC	TT	TT	INTERGENIC		
SNP_37947B_12989035	Ca_Kabuli_Chr08	NC_021167.1	12989035	AA	GG	GG	INTERGENIC		
SNP_37948B_12989064	Ca_Kabuli_Chr08	NC_021167.1	12989064	CC	GG	GG	DRR	101491943	CEN-like protein 4
SNP_37949B_12989102	Ca_Kabuli_Chr08	NC_021167.1	12989102	AA	GG	GG	DRR	101491943	CEN-like protein 4
SNP_37950B_12989143	Ca_Kabuli_Chr08	NC_021167.1	12989143	CC	TT	TT	DRR	101491943	CEN-like protein 4
SNP_37951B_12989172	Ca_Kabuli_Chr08	NC_021167.1	12989172	AA	GG	GG	DRR	101491943	CEN-like protein 4

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_37952B_12989221	Ca_Kabuli_Chr08	NC_021167.1	12989221	TT	AA	AA	DRR	101491943	CEN-like protein 4
SNP_37953B_12989252	Ca_Kabuli_Chr08	NC_021167.1	12989252	TT	AA	AA	DRR	101491943	CEN-like protein 4
SNP_37954B_12989285	Ca_Kabuli_Chr08	NC_021167.1	12989285	GG	AA	AA	DRR	101491943	CEN-like protein 4
SNP_37955B_12989403	Ca_Kabuli_Chr08	NC_021167.1	12989403	TT	CC	CC	DRR	101491943	CEN-like protein 4
SNP_37956B_12989412	Ca_Kabuli_Chr08	NC_021167.1	12989412	AA	GG	GG	DRR	101491943	CEN-like protein 4
SNP_37957B_12989811	Ca_Kabuli_Chr08	NC_021167.1	12989811	GG	AA	AA	DRR	101491943	CEN-like protein 4
SNP_37958B_12989855	Ca_Kabuli_Chr08	NC_021167.1	12989855	AA	GG	GG	DRR	101491943	CEN-like protein 4
SNP_37960B_12990058	Ca_Kabuli_Chr08	NC_021167.1	12990058	CC	GG	GG	INTERGENIC		
SNP_37961B_12996678	Ca_Kabuli_Chr08	NC_021167.1	12996678	CC	TT	TT	URR	101492277	CEN-like protein 2
SNP_37962B_12998626	Ca_Kabuli_Chr08	NC_021167.1	12998626	TT	CC	CC	INTERGENIC		
SNP_37963B_12998696	Ca_Kabuli_Chr08	NC_021167.1	12998696	TT	AA	AA	INTERGENIC		
SNP_37965B_12998764	Ca_Kabuli_Chr08	NC_021167.1	12998764	AA	CC	CC	INTERGENIC		
SNP_37966B_12998942	Ca_Kabuli_Chr08	NC_021167.1	12998942	CC	TT	TT	INTERGENIC		
SNP_37967B_12998948	Ca_Kabuli_Chr08	NC_021167.1	12998948	GG	AA	AA	INTERGENIC		
SNP_37968B_12998952	Ca_Kabuli_Chr08	NC_021167.1	12998952	TT	CC	CC	INTERGENIC		
SNP_37969B_12998960	Ca_Kabuli_Chr08	NC_021167.1	12998960	TT	CC	CC	INTERGENIC		
SNP_37970B_12999101	Ca_Kabuli_Chr08	NC_021167.1	12999101	AA	GG	GG	INTERGENIC		
SNP_37971B_12999858	Ca_Kabuli_Chr08	NC_021167.1	12999858	AA	TT	TT	INTERGENIC		
SNP_37972B_13000251	Ca_Kabuli_Chr08	NC_021167.1	13000251	CC	AA	AA	INTERGENIC		
SNP_37973B_13001350	Ca_Kabuli_Chr08	NC_021167.1	13001350	TT	CC	CC	INTERGENIC		
SNP_37974B_13001359	Ca_Kabuli_Chr08	NC_021167.1	13001359	AA	GG	GG	INTERGENIC		
SNP_37975B_13009422	Ca_Kabuli_Chr08	NC_021167.1	13009422	TT	CC	CC	INTERGENIC		
SNP_37976B_13009477	Ca_Kabuli_Chr08	NC_021167.1	13009477	TT	CC	CC	INTERGENIC		
SNP_37977B_13009553	Ca_Kabuli_Chr08	NC_021167.1	13009553	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_37978B_13041031	Ca_Kabuli_Chr08	NC_021167.1	13041031	CC	TT	TT	INTERGENIC		
SNP_37979B_13083324	Ca_Kabuli_Chr08	NC_021167.1	13083324	GG	AA	AA	INTERGENIC		
SNP_37980B_13101413	Ca_Kabuli_Chr08	NC_021167.1	13101413	AA	GG	GG	INTERGENIC		
SNP_37981B_13103664	Ca_Kabuli_Chr08	NC_021167.1	13103664	AA	GG	GG	INTERGENIC		
SNP_37982B_13106880	Ca_Kabuli_Chr08	NC_021167.1	13106880	GG	TT	TT	INTERGENIC		
SNP_37983B_13297394	Ca_Kabuli_Chr08	NC_021167.1	13297394	CC	GG	GG	INTERGENIC		
SNP_37984B_13297414	Ca_Kabuli_Chr08	NC_021167.1	13297414	AA	GG	GG	INTERGENIC		
SNP_37985B_13297435	Ca_Kabuli_Chr08	NC_021167.1	13297435	TT	GG	GG	INTERGENIC		
SNP_37986B_13297436	Ca_Kabuli_Chr08	NC_021167.1	13297436	TT	CC	CC	INTERGENIC		
SNP_37987B_13297916	Ca_Kabuli_Chr08	NC_021167.1	13297916	TT	GG	GG	INTERGENIC		
SNP_37989B_13298036	Ca_Kabuli_Chr08	NC_021167.1	13298036	TT	CC	CC	INTERGENIC		
SNP_37990B_13298057	Ca_Kabuli_Chr08	NC_021167.1	13298057	GG	AA	AA	INTERGENIC		
SNP_37991B_13298200	Ca_Kabuli_Chr08	NC_021167.1	13298200	AA	TT	TT	INTERGENIC		
SNP_37992B_13298206	Ca_Kabuli_Chr08	NC_021167.1	13298206	TT	AA	AA	INTERGENIC		
SNP_37994B_13299094	Ca_Kabuli_Chr08	NC_021167.1	13299094	AA	CC	CC	INTERGENIC		
SNP_37995B_13311065	Ca_Kabuli_Chr08	NC_021167.1	13311065	AA	CC	CC	INTERGENIC		
SNP_37996B_13311095	Ca_Kabuli_Chr08	NC_021167.1	13311095	GG	CC	CC	INTERGENIC		
SNP_37997B_13311103	Ca_Kabuli_Chr08	NC_021167.1	13311103	CC	TT	TT	INTERGENIC		
SNP_37998B_13312912	Ca_Kabuli_Chr08	NC_021167.1	13312912	AA	CC	CC	INTERGENIC		
SNP_37999B_13312913	Ca_Kabuli_Chr08	NC_021167.1	13312913	TT	AA	AA	INTERGENIC		
SNP_38000B_13312930	Ca_Kabuli_Chr08	NC_021167.1	13312930	CC	TT	TT	INTERGENIC		
SNP_38001B_13329419	Ca_Kabuli_Chr08	NC_021167.1	13329419	CC	TT	TT	INTERGENIC		
SNP_38003B_13369166	Ca_Kabuli_Chr08	NC_021167.1	13369166	GG	CC	CC	INTERGENIC		
SNP_38004B_13369258	Ca_Kabuli_Chr08	NC_021167.1	13369258	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_38005B_13369390	Ca_Kabuli_Chr08	NC_021167.1	13369390	AA	GG	GG	INTERGENIC		
SNP_38006B_13369447	Ca_Kabuli_Chr08	NC_021167.1	13369447	AA	GG	GG	INTERGENIC		
SNP_38007B_13369831	Ca_Kabuli_Chr08	NC_021167.1	13369831	AA	GG	GG	INTERGENIC		
SNP_38008B_13475493	Ca_Kabuli_Chr08	NC_021167.1	13475493	TT	GG	GG	INTERGENIC		
SNP_38009B_13475509	Ca_Kabuli_Chr08	NC_021167.1	13475509	GG	AA	AA	INTERGENIC		
SNP_38010B_13475510	Ca_Kabuli_Chr08	NC_021167.1	13475510	TT	CC	CC	INTERGENIC		
SNP_38011B_13475513	Ca_Kabuli_Chr08	NC_021167.1	13475513	TT	AA	AA	INTERGENIC		
SNP_38012B_13475564	Ca_Kabuli_Chr08	NC_021167.1	13475564	AA	GG	GG	INTERGENIC		
SNP_38013B_13475571	Ca_Kabuli_Chr08	NC_021167.1	13475571	AA	GG	GG	INTERGENIC		
SNP_38014B_13702171	Ca_Kabuli_Chr08	NC_021167.1	13702171	TT	CC	CC	INTERGENIC		
SNP_38015B_13702272	Ca_Kabuli_Chr08	NC_021167.1	13702272	CC	AA	AA	INTERGENIC		
SNP_38016B_13702509	Ca_Kabuli_Chr08	NC_021167.1	13702509	TT	CC	CC	INTERGENIC		
SNP_38018B_13702608	Ca_Kabuli_Chr08	NC_021167.1	13702608	GG	AA	AA	INTERGENIC		
SNP_38019B_13714445	Ca_Kabuli_Chr08	NC_021167.1	13714445	AA	CC	CC	INTERGENIC		
SNP_38020B_13723896	Ca_Kabuli_Chr08	NC_021167.1	13723896	AA	GG	GG	URR	101502939	uncharacterized LOC101502939
SNP_38021B_13727123	Ca_Kabuli_Chr08	NC_021167.1	13727123	TT	GG	GG	INTERGENIC		
SNP_38022B_13727751	Ca_Kabuli_Chr08	NC_021167.1	13727751	TT	CC	CC	INTERGENIC		
SNP_38023B_13727788	Ca_Kabuli_Chr08	NC_021167.1	13727788	AA	GG	GG	INTERGENIC		
SNP_38024B_13727794	Ca_Kabuli_Chr08	NC_021167.1	13727794	CC	TT	TT	INTERGENIC		
SNP_38025B_13728017	Ca_Kabuli_Chr08	NC_021167.1	13728017	AA	GG	GG	INTERGENIC		
SNP_38026B_13728022	Ca_Kabuli_Chr08	NC_021167.1	13728022	AA	GG	GG	INTERGENIC		
SNP_38027B_13728161	Ca_Kabuli_Chr08	NC_021167.1	13728161	AA	GG	GG	INTERGENIC		
SNP_38028B_13728174	Ca_Kabuli_Chr08	NC_021167.1	13728174	AA	GG	GG	INTERGENIC		
SNP_38029B_13728204	Ca_Kabuli_Chr08	NC_021167.1	13728204	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_38030B_13728276	Ca_Kabuli_Chr08	NC_021167.1	13728276	CC	TT	TT	INTERGENIC		
SNP_38031B_13728285	Ca_Kabuli_Chr08	NC_021167.1	13728285	TT	CC	CC	INTERGENIC		
SNP_38032B_13736583	Ca_Kabuli_Chr08	NC_021167.1	13736583	GG	AA	AA	INTRON	101503269	Unknown function
SNP_38033B_13750262	Ca_Kabuli_Chr08	NC_021167.1	13750262	TT	CC	CC	INTERGENIC		
SNP_38034B_13750280	Ca_Kabuli_Chr08	NC_021167.1	13750280	TT	CC	CC	INTERGENIC		
SNP_38035B_13750328	Ca_Kabuli_Chr08	NC_021167.1	13750328	CC	TT	TT	INTERGENIC		
SNP_38036B_13750339	Ca_Kabuli_Chr08	NC_021167.1	13750339	CC	GG	GG	INTERGENIC		
SNP_38037B_13750352	Ca_Kabuli_Chr08	NC_021167.1	13750352	TT	AA	AA	INTERGENIC		
SNP_38038B_13750404	Ca_Kabuli_Chr08	NC_021167.1	13750404	AA	GG	GG	INTERGENIC		
SNP_38040B_13758316	Ca_Kabuli_Chr08	NC_021167.1	13758316	GG	AA	AA	SYNONYMOUS_CODING	101503590	uncharacterized LOC101503590
SNP_38041B_13758737	Ca_Kabuli_Chr08	NC_021167.1	13758737	TT	CC	CC	NON_SYNONYMOUS_CODING	101503590	uncharacterized LOC101503590
SNP_38042B_13771555	Ca_Kabuli_Chr08	NC_021167.1	13771555	CC	TT	TT	INTERGENIC		
SNP_38043B_13799609	Ca_Kabuli_Chr08	NC_021167.1	13799609	CC	TT	TT	INTERGENIC		
SNP_38044B_13799753	Ca_Kabuli_Chr08	NC_021167.1	13799753	GG	AA	AA	INTERGENIC		
SNP_38045B_13799873	Ca_Kabuli_Chr08	NC_021167.1	13799873	AA	CC	CC	INTERGENIC		
SNP_38046B_13799882	Ca_Kabuli_Chr08	NC_021167.1	13799882	TT	CC	CC	INTERGENIC		
SNP_38047B_13799894	Ca_Kabuli_Chr08	NC_021167.1	13799894	TT	CC	CC	INTERGENIC		
SNP_38048B_13799921	Ca_Kabuli_Chr08	NC_021167.1	13799921	AA	GG	GG	INTERGENIC		
SNP_38049B_13800048	Ca_Kabuli_Chr08	NC_021167.1	13800048	AA	CC	CC	INTERGENIC		
SNP_38050B_13800049	Ca_Kabuli_Chr08	NC_021167.1	13800049	CC	TT	TT	INTERGENIC		
SNP_38051B_13800059	Ca_Kabuli_Chr08	NC_021167.1	13800059	CC	TT	TT	INTERGENIC		
SNP_38052B_13802521	Ca_Kabuli_Chr08	NC_021167.1	13802521	AA	GG	GG	INTERGENIC		
SNP_38053B_13813386	Ca_Kabuli_Chr08	NC_021167.1	13813386	GG	AA	AA	INTERGENIC		
SNP_38054B_13813471	Ca_Kabuli_Chr08	NC_021167.1	13813471	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_38055B_13813683	Ca_Kabuli_Chr08	NC_021167.1	13813683	TT	AA	AA	INTERGENIC		
SNP_38056B_13813715	Ca_Kabuli_Chr08	NC_021167.1	13813715	CC	TT	TT	INTERGENIC		
SNP_38057B_13813849	Ca_Kabuli_Chr08	NC_021167.1	13813849	AA	TT	TT	INTERGENIC		
SNP_38058B_13813887	Ca_Kabuli_Chr08	NC_021167.1	13813887	AA	GG	GG	INTERGENIC		
SNP_38059B_13813888	Ca_Kabuli_Chr08	NC_021167.1	13813888	GG	AA	AA	INTERGENIC		
SNP_38060B_13813908	Ca_Kabuli_Chr08	NC_021167.1	13813908	CC	TT	TT	INTERGENIC		
SNP_38061B_13814048	Ca_Kabuli_Chr08	NC_021167.1	13814048	AA	GG	GG	INTERGENIC		
SNP_38062B_13814376	Ca_Kabuli_Chr08	NC_021167.1	13814376	CC	GG	GG	INTERGENIC		
SNP_38063B_13814878	Ca_Kabuli_Chr08	NC_021167.1	13814878	CC	TT	TT	INTERGENIC		
SNP_38064B_13815128	Ca_Kabuli_Chr08	NC_021167.1	13815128	AA	GG	GG	INTERGENIC		
SNP_38065B_13815137	Ca_Kabuli_Chr08	NC_021167.1	13815137	CC	TT	TT	INTERGENIC		
SNP_38066B_13815150	Ca_Kabuli_Chr08	NC_021167.1	13815150	CC	GG	GG	INTERGENIC		
SNP_38067B_13815171	Ca_Kabuli_Chr08	NC_021167.1	13815171	AA	TT	TT	INTERGENIC		
SNP_38068B_13815198	Ca_Kabuli_Chr08	NC_021167.1	13815198	GG	AA	AA	INTERGENIC		
SNP_38069B_13815204	Ca_Kabuli_Chr08	NC_021167.1	13815204	CC	GG	GG	INTERGENIC		
SNP_38070B_13815406	Ca_Kabuli_Chr08	NC_021167.1	13815406	CC	AA	AA	INTERGENIC		
SNP_38071B_13815469	Ca_Kabuli_Chr08	NC_021167.1	13815469	TT	CC	CC	INTERGENIC		
SNP_38072B_13815479	Ca_Kabuli_Chr08	NC_021167.1	13815479	AA	CC	CC	INTERGENIC		
SNP_38073B_13815524	Ca_Kabuli_Chr08	NC_021167.1	13815524	TT	AA	AA	INTERGENIC		
SNP_38074B_13815530	Ca_Kabuli_Chr08	NC_021167.1	13815530	GG	AA	AA	INTERGENIC		
SNP_38075B_13815533	Ca_Kabuli_Chr08	NC_021167.1	13815533	TT	AA	AA	INTERGENIC		
SNP_38076B_13815590	Ca_Kabuli_Chr08	NC_021167.1	13815590	AA	GG	GG	INTERGENIC		
SNP_38077B_13817357	Ca_Kabuli_Chr08	NC_021167.1	13817357	GG	AA	AA	INTERGENIC		
SNP_38078B_13821674	Ca_Kabuli_Chr08	NC_021167.1	13821674	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_38079B_13821691	Ca_Kabuli_Chr08	NC_021167.1	13821691	AA	GG	GG	INTERGENIC		
SNP_38080B_13821871	Ca_Kabuli_Chr08	NC_021167.1	13821871	CC	TT	TT	INTERGENIC		
SNP_38081B_13821899	Ca_Kabuli_Chr08	NC_021167.1	13821899	GG	AA	AA	INTERGENIC		
SNP_38082B_13821906	Ca_Kabuli_Chr08	NC_021167.1	13821906	AA	TT	TT	INTERGENIC		
SNP_38083B_13833784	Ca_Kabuli_Chr08	NC_021167.1	13833784	GG	AA	AA	INTERGENIC		
SNP_38085B_13980185	Ca_Kabuli_Chr08	NC_021167.1	13980185	AA	GG	GG	INTERGENIC		
SNP_38086B_13993491	Ca_Kabuli_Chr08	NC_021167.1	13993491	TT	CC	CC	URR	101507997	protein CASP
SNP_38087B_13993507	Ca_Kabuli_Chr08	NC_021167.1	13993507	GG	TT	TT	URR	101507997	protein CASP
SNP_38088B_13993529	Ca_Kabuli_Chr08	NC_021167.1	13993529	GG	AA	AA	URR	101507997	protein CASP
SNP_38089B_13993554	Ca_Kabuli_Chr08	NC_021167.1	13993554	TT	CC	CC	URR	101507997	protein CASP
SNP_38090B_13993565	Ca_Kabuli_Chr08	NC_021167.1	13993565	AA	GG	GG	URR	101507997	protein CASP
SNP_38091B_13993589	Ca_Kabuli_Chr08	NC_021167.1	13993589	GG	CC	CC	URR	101507997	protein CASP
SNP_38093B_13993667	Ca_Kabuli_Chr08	NC_021167.1	13993667	CC	TT	TT	URR	101507997	protein CASP
SNP_38094B_13993680	Ca_Kabuli_Chr08	NC_021167.1	13993680	AA	TT	TT	URR	101507997	protein CASP
SNP_38095B_13993696	Ca_Kabuli_Chr08	NC_021167.1	13993696	CC	TT	TT	URR	101507997	protein CASP
SNP_38096B_13993703	Ca_Kabuli_Chr08	NC_021167.1	13993703	GG	AA	AA	URR	101507997	protein CASP
SNP_38097B_13993725	Ca_Kabuli_Chr08	NC_021167.1	13993725	GG	CC	CC	URR	101507997	protein CASP
SNP_38098B_13993768	Ca_Kabuli_Chr08	NC_021167.1	13993768	CC	TT	TT	URR	101507997	protein CASP
SNP_38099B_13993847	Ca_Kabuli_Chr08	NC_021167.1	13993847	TT	CC	CC	URR	101507997	protein CASP
SNP_38101B_13993976	Ca_Kabuli_Chr08	NC_021167.1	13993976	TT	CC	CC	URR	101507997	protein CASP
SNP_38102B_13993995	Ca_Kabuli_Chr08	NC_021167.1	13993995	AA	TT	TT	URR	101507997	protein CASP
SNP_38103B_13996264	Ca_Kabuli_Chr08	NC_021167.1	13996264	AA	GG	GG	DRR	101508305	cleavage stimulating factor 64-like
SNP_38104B_14022351	Ca_Kabuli_Chr08	NC_021167.1	14022351	CC	TT	TT	INTERGENIC		
SNP_38105B_14035127	Ca_Kabuli_Chr08	NC_021167.1	14035127	TT	AA	AA	INTRON	101511298	uncharacterized LOC101511298

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_38106B_14035159	Ca_Kabuli_Chr08	NC_021167.1	14035159	AA	TT	TT	INTRON	101511298	uncharacterized LOC101511298
SNP_38107B_14035161	Ca_Kabuli_Chr08	NC_021167.1	14035161	TT	AA	AA	INTRON	101511298	uncharacterized LOC101511298
SNP_38108B_14035454	Ca_Kabuli_Chr08	NC_021167.1	14035454	TT	CC	CC	INTRON	101511298	uncharacterized LOC101511298
SNP_38110B_14035568	Ca_Kabuli_Chr08	NC_021167.1	14035568	AA	GG	GG	INTRON	101511298	uncharacterized LOC101511298
SNP_38111B_14035662	Ca_Kabuli_Chr08	NC_021167.1	14035662	CC	GG	GG	INTRON	101511298	uncharacterized LOC101511298
SNP_38112B_14035779	Ca_Kabuli_Chr08	NC_021167.1	14035779	CC	TT	TT	INTRON	101511298	uncharacterized LOC101511298
SNP_38113B_14035827	Ca_Kabuli_Chr08	NC_021167.1	14035827	AA	GG	GG	INTRON	101511298	uncharacterized LOC101511298
SNP_38114B_14035831	Ca_Kabuli_Chr08	NC_021167.1	14035831	GG	AA	AA	INTRON	101511298	uncharacterized LOC101511298
SNP_38115B_14063813	Ca_Kabuli_Chr08	NC_021167.1	14063813	AA	GG	GG	INTRON	101511618	uncharacterized LOC101511618
SNP_38116B_14063891	Ca_Kabuli_Chr08	NC_021167.1	14063891	AA	CC	CC	INTRON	101511618	uncharacterized LOC101511618
SNP_38117B_14063960	Ca_Kabuli_Chr08	NC_021167.1	14063960	GG	CC	CC	INTRON	101511618	uncharacterized LOC101511618
SNP_38118B_14063984	Ca_Kabuli_Chr08	NC_021167.1	14063984	CC	TT	TT	INTRON	101511618	uncharacterized LOC101511618
SNP_38120B_14064120	Ca_Kabuli_Chr08	NC_021167.1	14064120	TT	AA	AA	INTRON	101511618	uncharacterized LOC101511618
SNP_38121B_14064150	Ca_Kabuli_Chr08	NC_021167.1	14064150	GG	CC	CC	INTRON	101511618	uncharacterized LOC101511618
SNP_38122B_14064292	Ca_Kabuli_Chr08	NC_021167.1	14064292	AA	GG	GG	URR	101511618	uncharacterized LOC101511618
SNP_38123B_14064302	Ca_Kabuli_Chr08	NC_021167.1	14064302	TT	AA	AA	URR	101511618	uncharacterized LOC101511618
SNP_38124B_14064325	Ca_Kabuli_Chr08	NC_021167.1	14064325	TT	AA	AA	START_LOST	101511618	uncharacterized LOC101511618
SNP_38125B_14066725	Ca_Kabuli_Chr08	NC_021167.1	14066725	TT	CC	CC	SYNONYMOUS_CODING	101511618	uncharacterized LOC101511618
SNP_38126B_14068972	Ca_Kabuli_Chr08	NC_021167.1	14068972	CC	TT	TT	URR	101511618	uncharacterized LOC101511618
SNP_38127B_14072694	Ca_Kabuli_Chr08	NC_021167.1	14072694	CC	TT	TT	INTERGENIC		
SNP_38128B_14072724	Ca_Kabuli_Chr08	NC_021167.1	14072724	AA	TT	TT	INTERGENIC		
SNP_38129B_14072726	Ca_Kabuli_Chr08	NC_021167.1	14072726	CC	TT	TT	INTERGENIC		
SNP_38130B_14072739	Ca_Kabuli_Chr08	NC_021167.1	14072739	AA	GG	GG	INTERGENIC		
SNP_38131B_14072763	Ca_Kabuli_Chr08	NC_021167.1	14072763	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_38132B_14072791	Ca_Kabuli_Chr08	NC_021167.1	14072791	CC	AA	AA	DRR	101509696	AP-3 complex subunit delta
SNP_38134B_14072802	Ca_Kabuli_Chr08	NC_021167.1	14072802	AA	GG	GG	DRR	101509696	AP-3 complex subunit delta
SNP_38135B_14072810	Ca_Kabuli_Chr08	NC_021167.1	14072810	CC	TT	TT	DRR	101509696	AP-3 complex subunit delta
SNP_38136B_14072875	Ca_Kabuli_Chr08	NC_021167.1	14072875	CC	TT	TT	DRR	101509696	AP-3 complex subunit delta
SNP_38137B_14072936	Ca_Kabuli_Chr08	NC_021167.1	14072936	CC	TT	TT	DRR	101509696	AP-3 complex subunit delta
SNP_38138B_14072937	Ca_Kabuli_Chr08	NC_021167.1	14072937	GG	AA	AA	DRR	101509696	AP-3 complex subunit delta
SNP_38139B_14072949	Ca_Kabuli_Chr08	NC_021167.1	14072949	CC	GG	GG	DRR	101509696	AP-3 complex subunit delta
SNP_38140B_14073036	Ca_Kabuli_Chr08	NC_021167.1	14073036	CC	GG	GG	DRR	101509696	AP-3 complex subunit delta
SNP_38141B_14073455	Ca_Kabuli_Chr08	NC_021167.1	14073455	TT	CC	CC	DRR	101509696	AP-3 complex subunit delta
SNP_38142B_14073462	Ca_Kabuli_Chr08	NC_021167.1	14073462	CC	TT	TT	DRR	101509696	AP-3 complex subunit delta
SNP_38143B_14073621	Ca_Kabuli_Chr08	NC_021167.1	14073621	TT	CC	CC	DRR	101509696	AP-3 complex subunit delta
SNP_38144B_14073756	Ca_Kabuli_Chr08	NC_021167.1	14073756	AA	CC	CC	DRR	101509696	AP-3 complex subunit delta
SNP_38145B_14074253	Ca_Kabuli_Chr08	NC_021167.1	14074253	CC	TT	TT	SYNONYMOUS_CODING	101509696	AP-3 complex subunit delta
SNP_38147B_14074313	Ca_Kabuli_Chr08	NC_021167.1	14074313	CC	GG	GG	SYNONYMOUS_CODING	101509696	AP-3 complex subunit delta
SNP_38148B_14074566	Ca_Kabuli_Chr08	NC_021167.1	14074566	CC	GG	GG	NON_SYNONYMOUS_CODING	101509696	AP-3 complex subunit delta
SNP_38149B_14074624	Ca_Kabuli_Chr08	NC_021167.1	14074624	GG	TT	TT	NON_SYNONYMOUS_CODING	101509696	AP-3 complex subunit delta
SNP_38150B_14076621	Ca_Kabuli_Chr08	NC_021167.1	14076621	CC	AA	AA	NON_SYNONYMOUS_CODING	101509696	AP-3 complex subunit delta
SNP_38151B_14076698	Ca_Kabuli_Chr08	NC_021167.1	14076698	TT	GG	GG	SYNONYMOUS_CODING	101509696	AP-3 complex subunit delta
SNP_38152B_14076993	Ca_Kabuli_Chr08	NC_021167.1	14076993	AA	CC	CC	INTERGENIC		
SNP_38153B_14076994	Ca_Kabuli_Chr08	NC_021167.1	14076994	GG	AA	AA	INTERGENIC		
SNP_38154B_14077208	Ca_Kabuli_Chr08	NC_021167.1	14077208	TT	CC	CC	URR	101509696	AP-3 complex subunit delta
SNP_38157B_14093677	Ca_Kabuli_Chr08	NC_021167.1	14093677	AA	TT	TT	DRR	101495193	WAT1-related protein At3g18200-like
SNP_38158B_14098127	Ca_Kabuli_Chr08	NC_021167.1	14098127	AA	GG	GG	DRR	101512154	integrator complex subunit 9-like
SNP_38160B_14111516	Ca_Kabuli_Chr08	NC_021167.1	14111516	TT	AA	AA	INTRON	101495193	WAT1-related protein At3g18200-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_38161B_14111574	Ca_Kabuli_Chr08	NC_021167.1	14111574	CC	TT	TT	INTRON	101495193	WAT1-related protein At3g18200-like
SNP_38164B_14113731	Ca_Kabuli_Chr08	NC_021167.1	14113731	GG	TT	TT	INTERGENIC		
SNP_38165B_14119419	Ca_Kabuli_Chr08	NC_021167.1	14119419	AA	CC	CC	INTERGENIC		
SNP_38167B_14132509	Ca_Kabuli_Chr08	NC_021167.1	14132509	CC	TT	TT	INTRON	101513342	uncharacterized PKHD-type hydroxylase At1g22950-like
SNP_38168B_14140792	Ca_Kabuli_Chr08	NC_021167.1	14140792	GG	AA	AA	INTERGENIC		
SNP_38169B_14142468	Ca_Kabuli_Chr08	NC_021167.1	14142468	CC	TT	TT	INTERGENIC		
SNP_38172B_14157730	Ca_Kabuli_Chr08	NC_021167.1	14157730	TT	CC	CC	INTERGENIC		
SNP_38173B_14161816	Ca_Kabuli_Chr08	NC_021167.1	14161816	AA	GG	GG	INTERGENIC		
SNP_38174B_14163269	Ca_Kabuli_Chr08	NC_021167.1	14163269	TT	AA	AA	INTERGENIC		
SNP_38175B_14163279	Ca_Kabuli_Chr08	NC_021167.1	14163279	AA	TT	TT	INTERGENIC		
SNP_38176B_14163497	Ca_Kabuli_Chr08	NC_021167.1	14163497	GG	AA	AA	INTERGENIC		
SNP_38177B_14164778	Ca_Kabuli_Chr08	NC_021167.1	14164778	CC	TT	TT	INTERGENIC		
SNP_38178B_14164784	Ca_Kabuli_Chr08	NC_021167.1	14164784	CC	TT	TT	INTERGENIC		
SNP_38179B_14164787	Ca_Kabuli_Chr08	NC_021167.1	14164787	CC	TT	TT	INTERGENIC		
SNP_38180B_14164788	Ca_Kabuli_Chr08	NC_021167.1	14164788	AA	TT	TT	INTERGENIC		
SNP_38181B_14169390	Ca_Kabuli_Chr08	NC_021167.1	14169390	AA	CC	CC	INTERGENIC		
SNP_38182B_14182944	Ca_Kabuli_Chr08	NC_021167.1	14182944	AA	TT	TT	DRR	101514427	uncharacterized protein PF07_0086-like
SNP_38183B_14182946	Ca_Kabuli_Chr08	NC_021167.1	14182946	AA	GG	GG	DRR	101514427	uncharacterized protein PF07_0086-like
SNP_38185B_14183515	Ca_Kabuli_Chr08	NC_021167.1	14183515	CC	TT	TT	INTERGENIC		
SNP_38186B_14189998	Ca_Kabuli_Chr08	NC_021167.1	14189998	CC	TT	TT	NON_SYNONYMOUS_CODING	101495516	uncharacterized protein At4g26485-like
SNP_38187B_14190704	Ca_Kabuli_Chr08	NC_021167.1	14190704	TT	AA	AA	INTRON	101495516	uncharacterized protein At4g26485-like
SNP_38188B_14191448	Ca_Kabuli_Chr08	NC_021167.1	14191448	CC	TT	TT	INTRON	101495516	uncharacterized protein At4g26485-like
SNP_38189B_14191473	Ca_Kabuli_Chr08	NC_021167.1	14191473	TT	CC	CC	INTRON	101495516	uncharacterized protein At4g26485-like
SNP_38190B_14191520	Ca_Kabuli_Chr08	NC_021167.1	14191520	AA	GG	GG	INTRON	101495516	uncharacterized protein At4g26485-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_38191B_14191524	Ca_Kabuli_Chr08	NC_021167.1	14191524	TT	CC	CC	INTRON	101495516	uncharacterized protein At4g26485-like
SNP_38192B_14209191	Ca_Kabuli_Chr08	NC_021167.1	14209191	CC	TT	TT	INTERGENIC		
SNP_38193B_14209520	Ca_Kabuli_Chr08	NC_021167.1	14209520	TT	CC	CC	INTERGENIC		
SNP_38194B_14209917	Ca_Kabuli_Chr08	NC_021167.1	14209917	AA	CC	CC	INTERGENIC		
SNP_38195B_14218036	Ca_Kabuli_Chr08	NC_021167.1	14218036	AA	CC	CC	INTERGENIC		
SNP_38196B_14218037	Ca_Kabuli_Chr08	NC_021167.1	14218037	AA	TT	TT	INTERGENIC		
SNP_38197B_14218038	Ca_Kabuli_Chr08	NC_021167.1	14218038	AA	TT	TT	INTERGENIC		
SNP_38198B_14218039	Ca_Kabuli_Chr08	NC_021167.1	14218039	AA	TT	TT	INTERGENIC		
SNP_38199B_14218092	Ca_Kabuli_Chr08	NC_021167.1	14218092	TT	CC	CC	INTERGENIC		
SNP_38201B_14218264	Ca_Kabuli_Chr08	NC_021167.1	14218264	GG	AA	AA	INTERGENIC		
SNP_38202B_14218377	Ca_Kabuli_Chr08	NC_021167.1	14218377	GG	TT	TT	INTERGENIC		
SNP_38203B_14218505	Ca_Kabuli_Chr08	NC_021167.1	14218505	TT	AA	AA	INTERGENIC		
SNP_38204B_14218534	Ca_Kabuli_Chr08	NC_021167.1	14218534	TT	CC	CC	INTERGENIC		
SNP_38205B_14218625	Ca_Kabuli_Chr08	NC_021167.1	14218625	GG	TT	TT	INTERGENIC		
SNP_38206B_14218704	Ca_Kabuli_Chr08	NC_021167.1	14218704	TT	AA	AA	INTERGENIC		
SNP_38207B_14218804	Ca_Kabuli_Chr08	NC_021167.1	14218804	AA	GG	GG	INTERGENIC		
SNP_38208B_14218807	Ca_Kabuli_Chr08	NC_021167.1	14218807	CC	TT	TT	INTERGENIC		
SNP_38209B_14218858	Ca_Kabuli_Chr08	NC_021167.1	14218858	GG	AA	AA	INTERGENIC		
SNP_38210B_14222786	Ca_Kabuli_Chr08	NC_021167.1	14222786	CC	GG	GG	INTERGENIC		
SNP_38212B_14223246	Ca_Kabuli_Chr08	NC_021167.1	14223246	AA	GG	GG	INTERGENIC		
SNP_38213B_14224774	Ca_Kabuli_Chr08	NC_021167.1	14224774	TT	AA	AA	INTERGENIC		
SNP_38214B_14239374	Ca_Kabuli_Chr08	NC_021167.1	14239374	TT	CC	CC	INTERGENIC		
SNP_38215B_14239406	Ca_Kabuli_Chr08	NC_021167.1	14239406	TT	CC	CC	INTERGENIC		
SNP_38216B_14239430	Ca_Kabuli_Chr08	NC_021167.1	14239430	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_38218B_14244535	Ca_Kabuli_Chr08	NC_021167.1	14244535	GG	AA	AA	DRR	101514979	uncharacterized LOC101514979
SNP_38219B_14248570	Ca_Kabuli_Chr08	NC_021167.1	14248570	TT	AA	AA	INTERGENIC		
SNP_38220B_14248571	Ca_Kabuli_Chr08	NC_021167.1	14248571	GG	AA	AA	INTERGENIC		
SNP_38225B_14302917	Ca_Kabuli_Chr08	NC_021167.1	14302917	TT	CC	CC	INTERGENIC		
SNP_38226B_14302947	Ca_Kabuli_Chr08	NC_021167.1	14302947	TT	AA	AA	INTERGENIC		
SNP_38227B_14303007	Ca_Kabuli_Chr08	NC_021167.1	14303007	CC	TT	TT	INTERGENIC		
SNP_38228B_14303478	Ca_Kabuli_Chr08	NC_021167.1	14303478	AA	GG	GG	DRR	101410554	transfer RNA leucine (anticodon CAG)
SNP_38229B_14306060	Ca_Kabuli_Chr08	NC_021167.1	14306060	CC	TT	TT	URR	101410554	transfer RNA leucine (anticodon CAG)
SNP_38230B_14310997	Ca_Kabuli_Chr08	NC_021167.1	14310997	CC	TT	TT	URR	101489811	reticulon-like protein B9
SNP_38232B_14319887	Ca_Kabuli_Chr08	NC_021167.1	14319887	AA	GG	GG	DRR	101490455	non-specific lipid-transfer protein 2
SNP_38233B_14319904	Ca_Kabuli_Chr08	NC_021167.1	14319904	TT	GG	GG	DRR	101490455	non-specific lipid-transfer protein 2
SNP_38235B_14321523	Ca_Kabuli_Chr08	NC_021167.1	14321523	GG	CC	CC	DRR	101490775	kinesin-like protein NACK1
SNP_38236B_14321599	Ca_Kabuli_Chr08	NC_021167.1	14321599	AA	TT	TT	DRR	101490775	kinesin-like protein NACK1
SNP_38237B_14331166	Ca_Kabuli_Chr08	NC_021167.1	14331166	GG	AA	AA	DRR	101491315	uncharacterized LOC101491315
SNP_38238B_14334438	Ca_Kabuli_Chr08	NC_021167.1	14334438	GG	AA	AA	INTRON	101491315	uncharacterized LOC101491315
SNP_38240B_14337856	Ca_Kabuli_Chr08	NC_021167.1	14337856	AA	GG	GG	INTERGENIC		
SNP_38241B_14337864	Ca_Kabuli_Chr08	NC_021167.1	14337864	AA	GG	GG	INTERGENIC		
SNP_38242B_14340804	Ca_Kabuli_Chr08	NC_021167.1	14340804	GG	AA	AA	INTERGENIC		
SNP_38243B_14340828	Ca_Kabuli_Chr08	NC_021167.1	14340828	TT	GG	GG	INTERGENIC		
SNP_38244B_14356486	Ca_Kabuli_Chr08	NC_021167.1	14356486	CC	GG	GG	URR	101492278	protein NETWORKED 4B-like
SNP_38245B_14359392	Ca_Kabuli_Chr08	NC_021167.1	14359392	CC	TT	TT	INTERGENIC		
SNP_38246B_14362382	Ca_Kabuli_Chr08	NC_021167.1	14362382	CC	TT	TT	INTERGENIC		
SNP_38247B_14362682	Ca_Kabuli_Chr08	NC_021167.1	14362682	TT	AA	AA	INTERGENIC		
SNP_38249B_14370412	Ca_Kabuli_Chr08	NC_021167.1	14370412	GG	TT	TT	INTRON	101492618	probable serine/threonine-protein kinase At1g18390

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_38250B_14370786	Ca_Kabuli_Chr08	NC_021167.1	14370786	CC	TT	TT	INTRON	101492618	probable serine/threonine-protein kinase At1g18390
SNP_38251B_14370791	Ca_Kabuli_Chr08	NC_021167.1	14370791	AA	GG	GG	INTRON	101492618	probable serine/threonine-protein kinase At1g18390
SNP_38252B_14437565	Ca_Kabuli_Chr08	NC_021167.1	14437565	TT	GG	GG	INTERGENIC		
SNP_38253B_14437567	Ca_Kabuli_Chr08	NC_021167.1	14437567	TT	GG	GG	INTERGENIC		
SNP_38254B_14444024	Ca_Kabuli_Chr08	NC_021167.1	14444024	GG	AA	AA	DRR	101495515	AMSH-like ubiquitin thioesterase 1
SNP_38255B_14563695	Ca_Kabuli_Chr08	NC_021167.1	14563695	AA	CC	CC	INTERGENIC		
SNP_38256B_14568216	Ca_Kabuli_Chr08	NC_021167.1	14568216	AA	GG	GG	INTERGENIC		
SNP_38257B_14568250	Ca_Kabuli_Chr08	NC_021167.1	14568250	AA	GG	GG	INTERGENIC		
SNP_38259B_14569038	Ca_Kabuli_Chr08	NC_021167.1	14569038	GG	TT	TT	INTERGENIC		
SNP_38261B_14576573	Ca_Kabuli_Chr08	NC_021167.1	14576573	TT	AA	AA	INTERGENIC		
SNP_38263B_14576905	Ca_Kabuli_Chr08	NC_021167.1	14576905	AA	GG	GG	DRR	101500922	kinesin-3
SNP_38264B_14579537	Ca_Kabuli_Chr08	NC_021167.1	14579537	AA	CC	CC	INTRON	101500922	kinesin-3
SNP_38265B_14581746	Ca_Kabuli_Chr08	NC_021167.1	14581746	TT	GG	GG	NON_SYNONYMOUS_CODING	101500922	kinesin-3
SNP_38266B_14583614	Ca_Kabuli_Chr08	NC_021167.1	14583614	TT	GG	GG	INTRON	101500922	kinesin-3
SNP_38267B_14583899	Ca_Kabuli_Chr08	NC_021167.1	14583899	AA	GG	GG	INTRON	101500922	kinesin-3
SNP_38268B_14583938	Ca_Kabuli_Chr08	NC_021167.1	14583938	TT	CC	CC	INTRON	101500922	kinesin-3
SNP_38270B_14584021	Ca_Kabuli_Chr08	NC_021167.1	14584021	TT	CC	CC	INTRON	101500922	kinesin-3
SNP_38271B_14586833	Ca_Kabuli_Chr08	NC_021167.1	14586833	GG	TT	TT	DRR	101501665	putative disease resistance RPP13-like protein 1
SNP_38273B_14587248	Ca_Kabuli_Chr08	NC_021167.1	14587248	TT	CC	CC	DRR	101501665	putative disease resistance RPP13-like protein 1
SNP_38274B_14587930	Ca_Kabuli_Chr08	NC_021167.1	14587930	CC	TT	TT	URR	101500922	kinesin-3
SNP_38275B_14592931	Ca_Kabuli_Chr08	NC_021167.1	14592931	TT	GG	GG	URR	101501665	putative disease resistance RPP13-like protein 1
SNP_38276B_14601817	Ca_Kabuli_Chr08	NC_021167.1	14601817	TT	GG	GG	INTRON	101502099	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 10-B
SNP_38277B_14601820	Ca_Kabuli_Chr08	NC_021167.1	14601820	CC	TT	TT	INTRON	101502099	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 10-B
SNP_38278B_14607913	Ca_Kabuli_Chr08	NC_021167.1	14607913	CC	TT	TT	INTERGENIC		

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SNP_38279B_14607916	Ca_Kabuli_Chr08	NC_021167.1	14607916	GG	TT	TT	INTERGENIC		
SNP_38280B_14607939	Ca_Kabuli_Chr08	NC_021167.1	14607939	AA	GG	GG	INTERGENIC		
SNP_38281B_14621338	Ca_Kabuli_Chr08	NC_021167.1	14621338	AA	GG	GG	INTRON	101502723	syntaxin-81
SNP_38282B_14629130	Ca_Kabuli_Chr08	NC_021167.1	14629130	AA	GG	GG	INTERGENIC		
SNP_38283B_14629493	Ca_Kabuli_Chr08	NC_021167.1	14629493	TT	GG	GG	INTERGENIC		
SNP_38284B_14629508	Ca_Kabuli_Chr08	NC_021167.1	14629508	GG	AA	AA	INTERGENIC		
SNP_38285B_14629522	Ca_Kabuli_Chr08	NC_021167.1	14629522	TT	AA	AA	INTERGENIC		
SNP_38287B_14631060	Ca_Kabuli_Chr08	NC_021167.1	14631060	CC	TT	TT	DRR	101503034	twinkle homolog protein, chloroplastic/mitochondrial
SNP_38288B_14631108	Ca_Kabuli_Chr08	NC_021167.1	14631108	CC	TT	TT	DRR	101503034	twinkle homolog protein, chloroplastic/mitochondrial
SNP_38290B_14646391	Ca_Kabuli_Chr08	NC_021167.1	14646391	AA	TT	TT	INTERGENIC		
SNP_38291B_14646423	Ca_Kabuli_Chr08	NC_021167.1	14646423	AA	CC	CC	INTERGENIC		
SNP_38292B_14647135	Ca_Kabuli_Chr08	NC_021167.1	14647135	CC	TT	TT	INTERGENIC		
SNP_38294B_14649605	Ca_Kabuli_Chr08	NC_021167.1	14649605	TT	GG	GG	INTERGENIC		
SNP_38295B_14650330	Ca_Kabuli_Chr08	NC_021167.1	14650330	GG	AA	AA	INTERGENIC		
SNP_38296B_14659762	Ca_Kabuli_Chr08	NC_021167.1	14659762	TT	CC	CC	INTERGENIC		
SNP_38297B_14659763	Ca_Kabuli_Chr08	NC_021167.1	14659763	GG	CC	CC	INTERGENIC		
SNP_38300B_14665188	Ca_Kabuli_Chr08	NC_021167.1	14665188	AA	TT	TT	INTERGENIC		
SNP_38301B_14665189	Ca_Kabuli_Chr08	NC_021167.1	14665189	AA	TT	TT	INTERGENIC		
SNP_38302B_14667893	Ca_Kabuli_Chr08	NC_021167.1	14667893	AA	GG	GG	INTERGENIC		
SNP_38303B_14668226	Ca_Kabuli_Chr08	NC_021167.1	14668226	CC	GG	GG	INTERGENIC		
SNP_38304B_14668645	Ca_Kabuli_Chr08	NC_021167.1	14668645	AA	GG	GG	INTERGENIC		
SNP_38305B_14671414	Ca_Kabuli_Chr08	NC_021167.1	14671414	TT	AA	AA	INTERGENIC		
SNP_38307B_14671496	Ca_Kabuli_Chr08	NC_021167.1	14671496	GG	AA	AA	INTERGENIC		
SNP_38308B_14677436	Ca_Kabuli_Chr08	NC_021167.1	14677436	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_38309B_14677759	Ca_Kabuli_Chr08	NC_021167.1	14677759	CC	TT	TT	INTERGENIC		
SNP_38310B_14687684	Ca_Kabuli_Chr08	NC_021167.1	14687684	TT	AA	AA	INTERGENIC		
SNP_38311B_14692350	Ca_Kabuli_Chr08	NC_021167.1	14692350	CC	GG	GG	INTRON	101503700	uncharacterized LOC101503700
SNP_38312B_14692352	Ca_Kabuli_Chr08	NC_021167.1	14692352	TT	CC	CC	INTRON	101503700	uncharacterized LOC101503700
SNP_38313B_14700847	Ca_Kabuli_Chr08	NC_021167.1	14700847	GG	AA	AA	URR	101504337	dehydrin DHN3-like
SNP_38314B_14700848	Ca_Kabuli_Chr08	NC_021167.1	14700848	CC	TT	TT	URR	101504337	dehydrin DHN3-like
SNP_38316B_14707750	Ca_Kabuli_Chr08	NC_021167.1	14707750	TT	GG	GG	INTRON	101504670	aluminum-activated malate transporter 9-like
SNP_38317B_14707756	Ca_Kabuli_Chr08	NC_021167.1	14707756	GG	AA	AA	INTRON	101504670	aluminum-activated malate transporter 9-like
SNP_38318B_14707982	Ca_Kabuli_Chr08	NC_021167.1	14707982	TT	GG	GG	INTRON	101504670	aluminum-activated malate transporter 9-like
SNP_38319B_14708451	Ca_Kabuli_Chr08	NC_021167.1	14708451	CC	TT	TT	SYNONYMOUS_CODING	101504670	aluminum-activated malate transporter 9-like
SNP_38320B_14720599	Ca_Kabuli_Chr08	NC_021167.1	14720599	TT	AA	AA	INTERGENIC		
SNP_38321B_14720612	Ca_Kabuli_Chr08	NC_021167.1	14720612	GG	AA	AA	INTERGENIC		
SNP_38322B_14720670	Ca_Kabuli_Chr08	NC_021167.1	14720670	CC	TT	TT	INTERGENIC		
SNP_38323B_14721744	Ca_Kabuli_Chr08	NC_021167.1	14721744	TT	AA	AA	INTERGENIC		
SNP_38324B_14721798	Ca_Kabuli_Chr08	NC_021167.1	14721798	AA	CC	CC	INTERGENIC		
SNP_38326B_14730226	Ca_Kabuli_Chr08	NC_021167.1	14730226	CC	TT	TT	INTRON	101505303	cytochrome P450 CYP736A12-like
SNP_38327B_14730234	Ca_Kabuli_Chr08	NC_021167.1	14730234	AA	GG	GG	INTRON	101505303	cytochrome P450 CYP736A12-like
SNP_38328B_14731803	Ca_Kabuli_Chr08	NC_021167.1	14731803	CC	TT	TT	URR	101505303	cytochrome P450 CYP736A12-like
SNP_38329B_14731827	Ca_Kabuli_Chr08	NC_021167.1	14731827	GG	CC	CC	URR	101505303	cytochrome P450 CYP736A12-like
SNP_38330B_14734187	Ca_Kabuli_Chr08	NC_021167.1	14734187	AA	TT	TT	INTERGENIC		
SNP_38331B_14736756	Ca_Kabuli_Chr08	NC_021167.1	14736756	TT	CC	CC	SYNONYMOUS_CODING	101505636	cytochrome P450 CYP736A12-like
SNP_38332B_14736774	Ca_Kabuli_Chr08	NC_021167.1	14736774	TT	CC	CC	NON_SYNONYMOUS_CODING	101505636	cytochrome P450 CYP736A12-like
SNP_38333B_14737388	Ca_Kabuli_Chr08	NC_021167.1	14737388	GG	TT	TT	INTRON	101505636	cytochrome P450 CYP736A12-like
SNP_38335B_14741922	Ca_Kabuli_Chr08	NC_021167.1	14741922	TT	CC	CC	INTRON	101505636	cytochrome P450 CYP736A12-like

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SNP_38336B_14741945	Ca_Kabuli_Chr08	NC_021167.1	14741945	TT	CC	CC	INTRON	101505636	cytochrome P450 CYP736A12-like
SNP_38337B_14749412	Ca_Kabuli_Chr08	NC_021167.1	14749412	AA	TT	TT	DRR	101506269	protein PLANT CADMIUM RESISTANCE 9
SNP_38338B_14749605	Ca_Kabuli_Chr08	NC_021167.1	14749605	GG	AA	AA	DRR	101506269	protein PLANT CADMIUM RESISTANCE 9
SNP_38339B_14749817	Ca_Kabuli_Chr08	NC_021167.1	14749817	AA	GG	GG	URR	101505961	probable 3-beta-hydroxysteroid-Delta(8),Delta(7)-isomerase
SNP_38340B_14749987	Ca_Kabuli_Chr08	NC_021167.1	14749987	AA	TT	TT	URR	101505961	probable 3-beta-hydroxysteroid-Delta(8),Delta(7)-isomerase
SNP_38343B_14751150	Ca_Kabuli_Chr08	NC_021167.1	14751150	CC	TT	TT	URR	101505961	probable 3-beta-hydroxysteroid-Delta(8),Delta(7)-isomerase
SNP_38344B_14751468	Ca_Kabuli_Chr08	NC_021167.1	14751468	AA	GG	GG	URR	101506269	protein PLANT CADMIUM RESISTANCE 9
SNP_38346B_14751534	Ca_Kabuli_Chr08	NC_021167.1	14751534	GG	TT	TT	DRR	101506593	proteasome subunit beta type-4-like
SNP_38347B_14751537	Ca_Kabuli_Chr08	NC_021167.1	14751537	CC	AA	AA	DRR	101506593	proteasome subunit beta type-4-like
SNP_38348B_14751573	Ca_Kabuli_Chr08	NC_021167.1	14751573	CC	TT	TT	DRR	101506593	proteasome subunit beta type-4-like
SNP_38349B_14755745	Ca_Kabuli_Chr08	NC_021167.1	14755745	CC	TT	TT	INTERGENIC		
SNP_38350B_14755770	Ca_Kabuli_Chr08	NC_021167.1	14755770	AA	GG	GG	INTERGENIC		
SNP_38351B_14755824	Ca_Kabuli_Chr08	NC_021167.1	14755824	AA	TT	TT	INTERGENIC		
SNP_38352B_14756065	Ca_Kabuli_Chr08	NC_021167.1	14756065	GG	TT	TT	INTERGENIC		
SNP_38353B_14757170	Ca_Kabuli_Chr08	NC_021167.1	14757170	GG	AA	AA	URR	101506593	proteasome subunit beta type-4-like
SNP_38356B_14763988	Ca_Kabuli_Chr08	NC_021167.1	14763988	GG	AA	AA	INTERGENIC		
SNP_38357B_14763989	Ca_Kabuli_Chr08	NC_021167.1	14763989	GG	AA	AA	INTERGENIC		
SNP_38358B_14764098	Ca_Kabuli_Chr08	NC_021167.1	14764098	CC	TT	TT	INTERGENIC		
SNP_38359B_14764110	Ca_Kabuli_Chr08	NC_021167.1	14764110	GG	AA	AA	INTERGENIC		
SNP_38360B_14764133	Ca_Kabuli_Chr08	NC_021167.1	14764133	AA	CC	CC	INTERGENIC		
SNP_38361B_14764216	Ca_Kabuli_Chr08	NC_021167.1	14764216	TT	CC	CC	INTERGENIC		
SNP_38362B_14764493	Ca_Kabuli_Chr08	NC_021167.1	14764493	CC	TT	TT	INTERGENIC		
SNP_38365B_14776740	Ca_Kabuli_Chr08	NC_021167.1	14776740	GG	AA	AA	INTERGENIC		
SNP_38366B_14780500	Ca_Kabuli_Chr08	NC_021167.1	14780500	AA	TT	TT	NON_SYNONYMOUS_CODING	101507569	uncharacterized LOC101507569

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_38367B_14780571	Ca_Kabuli_Chr08	NC_021167.1	14780571	AA	GG	GG	INTRON	101507569	uncharacterized LOC101507569
SNP_38368B_14793758	Ca_Kabuli_Chr08	NC_021167.1	14793758	CC	AA	AA	INTERGENIC		
SNP_38369B_14796329	Ca_Kabuli_Chr08	NC_021167.1	14796329	AA	GG	GG	INTERGENIC		
SNP_38370B_14797583	Ca_Kabuli_Chr08	NC_021167.1	14797583	CC	AA	AA	INTERGENIC		
SNP_38371B_14799005	Ca_Kabuli_Chr08	NC_021167.1	14799005	CC	TT	TT	INTERGENIC		
SNP_38372B_14799008	Ca_Kabuli_Chr08	NC_021167.1	14799008	TT	CC	CC	INTERGENIC		
SNP_38373B_14799810	Ca_Kabuli_Chr08	NC_021167.1	14799810	GG	AA	AA	INTERGENIC		
SNP_38374B_14799819	Ca_Kabuli_Chr08	NC_021167.1	14799819	GG	AA	AA	INTERGENIC		
SNP_38375B_14803624	Ca_Kabuli_Chr08	NC_021167.1	14803624	TT	GG	GG	INTERGENIC		
SNP_38376B_14803643	Ca_Kabuli_Chr08	NC_021167.1	14803643	TT	AA	AA	INTERGENIC		
SNP_38377B_14812272	Ca_Kabuli_Chr08	NC_021167.1	14812272	AA	TT	TT	DRR	101508520	probable strigolactone esterase D14 homolog
SNP_38378B_14812281	Ca_Kabuli_Chr08	NC_021167.1	14812281	AA	GG	GG	DRR	101508520	probable strigolactone esterase D14 homolog
SNP_38379B_14812293	Ca_Kabuli_Chr08	NC_021167.1	14812293	GG	AA	AA	DRR	101508520	probable strigolactone esterase D14 homolog
SNP_38380B_14812302	Ca_Kabuli_Chr08	NC_021167.1	14812302	AA	GG	GG	DRR	101508520	probable strigolactone esterase D14 homolog
SNP_38381B_14812306	Ca_Kabuli_Chr08	NC_021167.1	14812306	CC	TT	TT	DRR	101508520	probable strigolactone esterase D14 homolog
SNP_38382B_14814368	Ca_Kabuli_Chr08	NC_021167.1	14814368	CC	TT	TT	INTRON	101508520	probable strigolactone esterase D14 homolog
SNP_38383B_14821160	Ca_Kabuli_Chr08	NC_021167.1	14821160	GG	AA	AA	INTERGENIC		
SNP_38385B_14821536	Ca_Kabuli_Chr08	NC_021167.1	14821536	CC	GG	GG	INTRON	101508833	fe-S cluster assembly factor HCF101, chloroplastic
SNP_38386B_14821538	Ca_Kabuli_Chr08	NC_021167.1	14821538	TT	CC	CC	INTRON	101508833	fe-S cluster assembly factor HCF101, chloroplastic
SNP_38387B_14859304	Ca_Kabuli_Chr08	NC_021167.1	14859304	CC	TT	TT	INTRON	101510668	probable ADP-ribosylation factor GTPase-activating protein AGD14
SNP_38388B_14879628	Ca_Kabuli_Chr08	NC_021167.1	14879628	TT	GG	GG	INTERGENIC		
SNP_38389B_14879629	Ca_Kabuli_Chr08	NC_021167.1	14879629	TT	CC	CC	INTERGENIC		
SNP_38392B_14997791	Ca_Kabuli_Chr08	NC_021167.1	14997791	AA	TT	TT	DRR	101514219	aldehyde dehydrogenase family 2 member C4-like
SNP_38393B_15052119	Ca_Kabuli_Chr08	NC_021167.1	15052119	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_38394B_15052701	Ca_Kabuli_Chr08	NC_021167.1	15052701	TT	CC	CC	INTERGENIC		
SNP_38395B_15093148	Ca_Kabuli_Chr08	NC_021167.1	15093148	AA	GG	GG	INTERGENIC		
SNP_38397B_15162474	Ca_Kabuli_Chr08	NC_021167.1	15162474	TT	GG	GG	INTERGENIC		
SNP_38399B_15198422	Ca_Kabuli_Chr08	NC_021167.1	15198422	AA	GG	GG	URR	101499133	subtilisin-like protease SBT6.1
SNP_38400B_15198611	Ca_Kabuli_Chr08	NC_021167.1	15198611	GG	TT	TT	URR	101499133	subtilisin-like protease SBT6.1
SNP_38401B_15266554	Ca_Kabuli_Chr08	NC_021167.1	15266554	GG	CC	CC	INTERGENIC		
SNP_38402B_15266718	Ca_Kabuli_Chr08	NC_021167.1	15266718	TT	CC	CC	INTERGENIC		
SNP_38403B_15294310	Ca_Kabuli_Chr08	NC_021167.1	15294310	GG	AA	AA	URR	101493921	glutathione S-transferase T3-like
SNP_38404B_15313843	Ca_Kabuli_Chr08	NC_021167.1	15313843	CC	TT	TT	DRR	101494242	uncharacterized LOC101494242
SNP_38405B_15313849	Ca_Kabuli_Chr08	NC_021167.1	15313849	CC	TT	TT	DRR	101494242	uncharacterized LOC101494242
SNP_38406B_15313888	Ca_Kabuli_Chr08	NC_021167.1	15313888	CC	TT	TT	DRR	101494242	uncharacterized LOC101494242
SNP_38407B_15313894	Ca_Kabuli_Chr08	NC_021167.1	15313894	CC	TT	TT	DRR	101494242	uncharacterized LOC101494242
SNP_38408B_15313912	Ca_Kabuli_Chr08	NC_021167.1	15313912	TT	CC	CC	DRR	101494242	uncharacterized LOC101494242
SNP_38410B_15314175	Ca_Kabuli_Chr08	NC_021167.1	15314175	AA	GG	GG	DRR	101494242	uncharacterized LOC101494242
SNP_38411B_15314185	Ca_Kabuli_Chr08	NC_021167.1	15314185	AA	CC	CC	DRR	101494242	uncharacterized LOC101494242
SNP_38412B_15314249	Ca_Kabuli_Chr08	NC_021167.1	15314249	GG	AA	AA	DRR	101494242	uncharacterized LOC101494242
SNP_38413B_15314322	Ca_Kabuli_Chr08	NC_021167.1	15314322	TT	GG	GG	DRR	101494242	uncharacterized LOC101494242
SNP_38414B_15342248	Ca_Kabuli_Chr08	NC_021167.1	15342248	AA	TT	TT	URR	101494866	dynein light chain LC6, flagellar outer arm-like
SNP_38415B_15348586	Ca_Kabuli_Chr08	NC_021167.1	15348586	CC	GG	GG	INTERGENIC		
SNP_38416B_15348918	Ca_Kabuli_Chr08	NC_021167.1	15348918	GG	AA	AA	INTERGENIC		
SNP_38417B_15349031	Ca_Kabuli_Chr08	NC_021167.1	15349031	TT	CC	CC	INTERGENIC		
SNP_38418B_15349056	Ca_Kabuli_Chr08	NC_021167.1	15349056	TT	GG	GG	INTERGENIC		
SNP_38419B_15349080	Ca_Kabuli_Chr08	NC_021167.1	15349080	AA	GG	GG	INTERGENIC		
SNP_38420B_15349123	Ca_Kabuli_Chr08	NC_021167.1	15349123	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_38421B_15349141	Ca_Kabuli_Chr08	NC_021167.1	15349141	GG	AA	AA	INTERGENIC		
SNP_38422B_15428137	Ca_Kabuli_Chr08	NC_021167.1	15428137	AA	GG	GG	URR	101503813	bark storage protein A
SNP_38423B_15445373	Ca_Kabuli_Chr08	NC_021167.1	15445373	CC	TT	TT	INTERGENIC		
SNP_38424B_15471621	Ca_Kabuli_Chr08	NC_021167.1	15471621	TT	CC	CC	INTRON	101504448	methyltransferase-like protein 5
SNP_38425B_15576984	Ca_Kabuli_Chr08	NC_021167.1	15576984	AA	GG	GG	INTRON	101508734	protein phosphatase 2C and cyclic nucleotide-binding/kinase domain-containing protein
SNP_38426B_15577101	Ca_Kabuli_Chr08	NC_021167.1	15577101	AA	TT	TT	INTRON	101508734	protein phosphatase 2C and cyclic nucleotide-binding/kinase domain-containing protein
SNP_38427B_15577292	Ca_Kabuli_Chr08	NC_021167.1	15577292	AA	CC	CC	INTRON	101508734	protein phosphatase 2C and cyclic nucleotide-binding/kinase domain-containing protein
SNP_38429B_15577907	Ca_Kabuli_Chr08	NC_021167.1	15577907	TT	CC	CC	SYNONYMOUS_CODING	101508734	protein phosphatase 2C and cyclic nucleotide-binding/kinase domain-containing protein
SNP_38430B_15579728	Ca_Kabuli_Chr08	NC_021167.1	15579728	AA	GG	GG	URR	101508734	protein phosphatase 2C and cyclic nucleotide-binding/kinase domain-containing protein
SNP_38431B_15579799	Ca_Kabuli_Chr08	NC_021167.1	15579799	GG	AA	AA	URR	101508734	protein phosphatase 2C and cyclic nucleotide-binding/kinase domain-containing protein
SNP_38433B_15580638	Ca_Kabuli_Chr08	NC_021167.1	15580638	AA	GG	GG	URR	101508734	protein phosphatase 2C and cyclic nucleotide-binding/kinase domain-containing protein
SNP_38434B_15666924	Ca_Kabuli_Chr08	NC_021167.1	15666924	TT	AA	AA	INTERGENIC		
SNP_38435B_15682135	Ca_Kabuli_Chr08	NC_021167.1	15682135	TT	CC	CC	INTERGENIC		
SNP_38436B_15685083	Ca_Kabuli_Chr08	NC_021167.1	15685083	TT	CC	CC	INTERGENIC		
SNP_38437B_15685156	Ca_Kabuli_Chr08	NC_021167.1	15685156	AA	GG	GG	INTERGENIC		
SNP_38439B_15685308	Ca_Kabuli_Chr08	NC_021167.1	15685308	TT	CC	CC	INTERGENIC		
SNP_38440B_15685414	Ca_Kabuli_Chr08	NC_021167.1	15685414	CC	TT	TT	INTERGENIC		
SNP_38442B_15685663	Ca_Kabuli_Chr08	NC_021167.1	15685663	TT	CC	CC	INTERGENIC		
SNP_38443B_15685773	Ca_Kabuli_Chr08	NC_021167.1	15685773	AA	GG	GG	INTERGENIC		
SNP_38446B_15685922	Ca_Kabuli_Chr08	NC_021167.1	15685922	GG	CC	CC	INTERGENIC		
SNP_38447B_15685957	Ca_Kabuli_Chr08	NC_021167.1	15685957	AA	GG	GG	INTERGENIC		
SNP_38448B_15685998	Ca_Kabuli_Chr08	NC_021167.1	15685998	AA	GG	GG	INTERGENIC		
SNP_38449B_15685999	Ca_Kabuli_Chr08	NC_021167.1	15685999	AA	TT	TT	INTERGENIC		
SNP_38450B_15686000	Ca_Kabuli_Chr08	NC_021167.1	15686000	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_38451B_15686004	Ca_Kabuli_Chr08	NC_021167.1	15686004	AA	TT	TT	INTERGENIC		
SNP_38452B_15686009	Ca_Kabuli_Chr08	NC_021167.1	15686009	AA	TT	TT	INTERGENIC		
SNP_38453B_15686010	Ca_Kabuli_Chr08	NC_021167.1	15686010	AA	CC	CC	INTERGENIC		
SNP_38454B_15686011	Ca_Kabuli_Chr08	NC_021167.1	15686011	AA	CC	CC	INTERGENIC		
SNP_38455B_15686012	Ca_Kabuli_Chr08	NC_021167.1	15686012	CC	AA	AA	INTERGENIC		
SNP_38456B_15686013	Ca_Kabuli_Chr08	NC_021167.1	15686013	TT	AA	AA	INTERGENIC		
SNP_38457B_15688206	Ca_Kabuli_Chr08	NC_021167.1	15688206	AA	TT	TT	INTRON	101511942	probable RNA-dependent RNA polymerase 5
SNP_38458B_15689022	Ca_Kabuli_Chr08	NC_021167.1	15689022	CC	TT	TT	INTRON	101511942	probable RNA-dependent RNA polymerase 5
SNP_38459B_15689034	Ca_Kabuli_Chr08	NC_021167.1	15689034	CC	TT	TT	INTRON	101511942	probable RNA-dependent RNA polymerase 5
SNP_38460B_15689137	Ca_Kabuli_Chr08	NC_021167.1	15689137	AA	TT	TT	INTRON	101511942	probable RNA-dependent RNA polymerase 5
SNP_38461B_15689376	Ca_Kabuli_Chr08	NC_021167.1	15689376	CC	TT	TT	INTRON	101511942	probable RNA-dependent RNA polymerase 5
SNP_38462B_15689673	Ca_Kabuli_Chr08	NC_021167.1	15689673	AA	CC	CC	NON_SYNONYMOUS_CODING	101511942	probable RNA-dependent RNA polymerase 5
SNP_38463B_15691466	Ca_Kabuli_Chr08	NC_021167.1	15691466	AA	GG	GG	INTRON	101511942	probable RNA-dependent RNA polymerase 5
SNP_38464B_15691700	Ca_Kabuli_Chr08	NC_021167.1	15691700	GG	AA	AA	INTRON	101511942	probable RNA-dependent RNA polymerase 5
SNP_38465B_15692070	Ca_Kabuli_Chr08	NC_021167.1	15692070	GG	AA	AA	INTRON	101511942	probable RNA-dependent RNA polymerase 5
SNP_38466B_15692243	Ca_Kabuli_Chr08	NC_021167.1	15692243	GG	AA	AA	INTRON	101511942	probable RNA-dependent RNA polymerase 5
SNP_38467B_15693803	Ca_Kabuli_Chr08	NC_021167.1	15693803	TT	CC	CC	INTRON	101511942	probable RNA-dependent RNA polymerase 5
SNP_38469B_15732069	Ca_Kabuli_Chr08	NC_021167.1	15732069	TT	AA	AA	INTRON	101513128	putative ABC transporter B family member 8
SNP_38470B_15778713	Ca_Kabuli_Chr08	NC_021167.1	15778713	CC	AA	AA	INTERGENIC		
SNP_38473B_15789746	Ca_Kabuli_Chr08	NC_021167.1	15789746	AA	GG	GG	INTERGENIC		
SNP_38474B_15790970	Ca_Kabuli_Chr08	NC_021167.1	15790970	CC	TT	TT	INTERGENIC		
SNP_38475B_15797555	Ca_Kabuli_Chr08	NC_021167.1	15797555	CC	GG	GG	INTERGENIC		
SNP_38476B_15802597	Ca_Kabuli_Chr08	NC_021167.1	15802597	TT	CC	CC	INTERGENIC		
SNP_38477B_15815668	Ca_Kabuli_Chr08	NC_021167.1	15815668	CC	TT	TT	URR	101515509	uncharacterized LOC101515509

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_38479B_15829967	Ca_Kabuli_Chr08	NC_021167.1	15829967	GG	TT	TT	INTERGENIC		
SNP_38480B_15850493	Ca_Kabuli_Chr08	NC_021167.1	15850493	AA	GG	GG	INTERGENIC		
SNP_38481B_15850511	Ca_Kabuli_Chr08	NC_021167.1	15850511	AA	GG	GG	INTERGENIC		
SNP_38483B_15876818	Ca_Kabuli_Chr08	NC_021167.1	15876818	CC	TT	TT	INTERGENIC		
SNP_38485B_15880258	Ca_Kabuli_Chr08	NC_021167.1	15880258	TT	CC	CC	URR	101490683	uncharacterized LOC101490683
SNP_38487B_15880534	Ca_Kabuli_Chr08	NC_021167.1	15880534	TT	CC	CC	URR	101490683	uncharacterized LOC101490683
SNP_38489B_15881572	Ca_Kabuli_Chr08	NC_021167.1	15881572	AA	GG	GG	URR	101490683	uncharacterized LOC101490683
SNP_38490B_15881589	Ca_Kabuli_Chr08	NC_021167.1	15881589	CC	GG	GG	URR	101490683	uncharacterized LOC101490683
SNP_38491B_15881624	Ca_Kabuli_Chr08	NC_021167.1	15881624	CC	TT	TT	INTERGENIC		
SNP_38492B_15881914	Ca_Kabuli_Chr08	NC_021167.1	15881914	AA	GG	GG	INTERGENIC		
SNP_38493B_15881994	Ca_Kabuli_Chr08	NC_021167.1	15881994	TT	CC	CC	INTERGENIC		
SNP_38494B_15882556	Ca_Kabuli_Chr08	NC_021167.1	15882556	GG	AA	AA	INTERGENIC		
SNP_38495B_15892437	Ca_Kabuli_Chr08	NC_021167.1	15892437	CC	TT	TT	INTERGENIC		
SNP_38496B_15892608	Ca_Kabuli_Chr08	NC_021167.1	15892608	TT	CC	CC	INTERGENIC		
SNP_38498B_15892808	Ca_Kabuli_Chr08	NC_021167.1	15892808	TT	GG	GG	INTERGENIC		
SNP_38499B_15893116	Ca_Kabuli_Chr08	NC_021167.1	15893116	AA	GG	GG	INTERGENIC		
SNP_38500B_15893132	Ca_Kabuli_Chr08	NC_021167.1	15893132	GG	AA	AA	INTERGENIC		
SNP_38501B_15922447	Ca_Kabuli_Chr08	NC_021167.1	15922447	CC	TT	TT	NON_SYNONYMOUS_CODING	101488260	uncharacterized LOC101488260
SNP_38502B_15925610	Ca_Kabuli_Chr08	NC_021167.1	15925610	TT	AA	AA	INTERGENIC		
SNP_38503B_15925611	Ca_Kabuli_Chr08	NC_021167.1	15925611	TT	AA	AA	INTERGENIC		
SNP_38504B_15925612	Ca_Kabuli_Chr08	NC_021167.1	15925612	TT	AA	AA	INTERGENIC		
SNP_38505B_15925613	Ca_Kabuli_Chr08	NC_021167.1	15925613	TT	AA	AA	INTERGENIC		
SNP_38507B_15972247	Ca_Kabuli_Chr08	NC_021167.1	15972247	CC	TT	TT	INTERGENIC		
SNP_38508B_15972256	Ca_Kabuli_Chr08	NC_021167.1	15972256	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_38509B_15972283	Ca_Kabuli_Chr08	NC_021167.1	15972283	AA	CC	CC	INTERGENIC		
SNP_38510B_15972322	Ca_Kabuli_Chr08	NC_021167.1	15972322	CC	TT	TT	INTERGENIC		
SNP_38511B_15972397	Ca_Kabuli_Chr08	NC_021167.1	15972397	CC	TT	TT	INTERGENIC		
SNP_38513B_15972510	Ca_Kabuli_Chr08	NC_021167.1	15972510	TT	AA	AA	INTERGENIC		
SNP_38514B_15972680	Ca_Kabuli_Chr08	NC_021167.1	15972680	AA	TT	TT	INTERGENIC		
SNP_38515B_15972683	Ca_Kabuli_Chr08	NC_021167.1	15972683	TT	CC	CC	INTERGENIC		
SNP_38516B_15972684	Ca_Kabuli_Chr08	NC_021167.1	15972684	CC	AA	AA	INTERGENIC		
SNP_38517B_15972686	Ca_Kabuli_Chr08	NC_021167.1	15972686	AA	GG	GG	INTERGENIC		
SNP_38518B_15972754	Ca_Kabuli_Chr08	NC_021167.1	15972754	GG	AA	AA	INTERGENIC		
SNP_38519B_15972759	Ca_Kabuli_Chr08	NC_021167.1	15972759	GG	AA	AA	INTERGENIC		
SNP_38520B_15972809	Ca_Kabuli_Chr08	NC_021167.1	15972809	AA	GG	GG	INTERGENIC		
SNP_38521B_15972816	Ca_Kabuli_Chr08	NC_021167.1	15972816	TT	AA	AA	INTERGENIC		
SNP_38522B_15972837	Ca_Kabuli_Chr08	NC_021167.1	15972837	AA	CC	CC	INTERGENIC		
SNP_38523B_15972856	Ca_Kabuli_Chr08	NC_021167.1	15972856	GG	TT	TT	INTERGENIC		
SNP_38524B_15972910	Ca_Kabuli_Chr08	NC_021167.1	15972910	AA	GG	GG	INTERGENIC		
SNP_38525B_15972917	Ca_Kabuli_Chr08	NC_021167.1	15972917	AA	GG	GG	INTERGENIC		
SNP_38526B_16000359	Ca_Kabuli_Chr08	NC_021167.1	16000359	CC	TT	TT	URR	101494345	30S ribosomal protein 3, chloroplastic-like
SNP_38527B_16058386	Ca_Kabuli_Chr08	NC_021167.1	16058386	GG	AA	AA	INTERGENIC		
SNP_38528B_16125567	Ca_Kabuli_Chr08	NC_021167.1	16125567	CC	TT	TT	URR	101500075	meiotic nuclear division protein 1 homolog
SNP_38530B_16212786	Ca_Kabuli_Chr08	NC_021167.1	16212786	TT	GG	GG	URR	101489907	uncharacterized LOC101489907
SNP_38531B_16213286	Ca_Kabuli_Chr08	NC_021167.1	16213286	AA	GG	GG	INTERGENIC		
SNP_38532B_16213301	Ca_Kabuli_Chr08	NC_021167.1	16213301	TT	CC	CC	INTERGENIC		
SNP_38533B_16265525	Ca_Kabuli_Chr08	NC_021167.1	16265525	TT	AA	AA	DRR	101507361	PRA1 family protein F2-like
SNP_38534B_16314817	Ca_Kabuli_Chr08	NC_021167.1	16314817	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_38535B_16314906	Ca_Kabuli_Chr08	NC_021167.1	16314906	AA	GG	GG	INTERGENIC		
SNP_38536B_16314931	Ca_Kabuli_Chr08	NC_021167.1	16314931	GG	AA	AA	INTERGENIC		
SNP_38538B_16315165	Ca_Kabuli_Chr08	NC_021167.1	16315165	AA	GG	GG	INTERGENIC		
SNP_38539B_16315186	Ca_Kabuli_Chr08	NC_021167.1	16315186	GG	TT	TT	INTERGENIC		
SNP_38540B_16315233	Ca_Kabuli_Chr08	NC_021167.1	16315233	CC	TT	TT	INTERGENIC		
SNP_38541B_16315267	Ca_Kabuli_Chr08	NC_021167.1	16315267	GG	TT	TT	INTERGENIC		
SNP_38542B_16316012	Ca_Kabuli_Chr08	NC_021167.1	16316012	TT	AA	AA	INTERGENIC		
SNP_38544B_16316708	Ca_Kabuli_Chr08	NC_021167.1	16316708	AA	GG	GG	INTERGENIC		
SNP_38545B_16316721	Ca_Kabuli_Chr08	NC_021167.1	16316721	TT	CC	CC	INTERGENIC		
SNP_38546B_16316747	Ca_Kabuli_Chr08	NC_021167.1	16316747	TT	GG	GG	INTERGENIC		
SNP_38547B_16316848	Ca_Kabuli_Chr08	NC_021167.1	16316848	TT	CC	CC	INTERGENIC		
SNP_38548B_16463510	Ca_Kabuli_Chr08	NC_021167.1	16463510	TT	CC	CC	INTERGENIC		
SNP_38549B_16463566	Ca_Kabuli_Chr08	NC_021167.1	16463566	TT	GG	GG	INTERGENIC		
SNP_38550B_16463569	Ca_Kabuli_Chr08	NC_021167.1	16463569	CC	TT	TT	INTERGENIC		
SNP_38551B_16463581	Ca_Kabuli_Chr08	NC_021167.1	16463581	AA	GG	GG	INTERGENIC		
SNP_38552B_16463626	Ca_Kabuli_Chr08	NC_021167.1	16463626	AA	GG	GG	INTERGENIC		
SNP_38553B_16463638	Ca_Kabuli_Chr08	NC_021167.1	16463638	AA	GG	GG	INTERGENIC		
SNP_38554B_16463644	Ca_Kabuli_Chr08	NC_021167.1	16463644	AA	TT	TT	INTERGENIC		
SNP_38555B_16463662	Ca_Kabuli_Chr08	NC_021167.1	16463662	TT	CC	CC	INTERGENIC		
SNP_38556B_16463680	Ca_Kabuli_Chr08	NC_021167.1	16463680	AA	TT	TT	INTERGENIC		
SNP_38557B_16463686	Ca_Kabuli_Chr08	NC_021167.1	16463686	AA	GG	GG	INTERGENIC		
SNP_38558B_16463695	Ca_Kabuli_Chr08	NC_021167.1	16463695	TT	GG	GG	INTERGENIC		
SNP_38559B_16463701	Ca_Kabuli_Chr08	NC_021167.1	16463701	AA	TT	TT	INTERGENIC		
SNP_38560B_16463733	Ca_Kabuli_Chr08	NC_021167.1	16463733	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_38561B_16463743	Ca_Kabuli_Chr08	NC_021167.1	16463743	AA	TT	TT	INTERGENIC		
SNP_38562B_16463764	Ca_Kabuli_Chr08	NC_021167.1	16463764	AA	GG	GG	INTERGENIC		
SNP_38563B_16463873	Ca_Kabuli_Chr08	NC_021167.1	16463873	CC	TT	TT	INTERGENIC		
SNP_38564B_16463964	Ca_Kabuli_Chr08	NC_021167.1	16463964	AA	TT	TT	INTERGENIC		
SNP_38565B_16463984	Ca_Kabuli_Chr08	NC_021167.1	16463984	GG	AA	AA	INTERGENIC		
SNP_38566B_16463991	Ca_Kabuli_Chr08	NC_021167.1	16463991	CC	AA	AA	INTERGENIC		
SNP_38567B_16464427	Ca_Kabuli_Chr08	NC_021167.1	16464427	GG	AA	AA	INTERGENIC		
SNP_38568B_16464478	Ca_Kabuli_Chr08	NC_021167.1	16464478	TT	CC	CC	INTERGENIC		
SNP_38569B_16464481	Ca_Kabuli_Chr08	NC_021167.1	16464481	CC	TT	TT	INTERGENIC		
SNP_38570B_16465023	Ca_Kabuli_Chr08	NC_021167.1	16465023	AA	GG	GG	INTERGENIC		
SNP_38572B_3735	scaffold2	NW_004515637.1	3735	TT	AA	AA	INTERGENIC		
SNP_38573B_3888	scaffold2	NW_004515637.1	3888	AA	CC	CC	INTERGENIC		
SNP_38574B_4076	scaffold2	NW_004515637.1	4076	TT	CC	CC	INTERGENIC		
SNP_38575B_4079	scaffold2	NW_004515637.1	4079	AA	GG	GG	INTERGENIC		
SNP_38576B_4100	scaffold2	NW_004515637.1	4100	AA	GG	GG	INTERGENIC		
SNP_38577B_4124	scaffold2	NW_004515637.1	4124	CC	AA	AA	INTERGENIC		
SNP_38578B_4132	scaffold2	NW_004515637.1	4132	GG	AA	AA	INTERGENIC		
SNP_38579B_8125	scaffold2	NW_004515637.1	8125	TT	CC	CC	INTERGENIC		
SNP_38581B_8177	scaffold2	NW_004515637.1	8177	CC	TT	TT	INTERGENIC		
SNP_38582B_8192	scaffold2	NW_004515637.1	8192	CC	TT	TT	INTERGENIC		
SNP_38583B_8258	scaffold2	NW_004515637.1	8258	AA	GG	GG	INTERGENIC		
SNP_38584B_8423	scaffold2	NW_004515637.1	8423	GG	TT	TT	INTERGENIC		
SNP_38585B_27673	scaffold2	NW_004515637.1	27673	CC	TT	TT	INTERGENIC		
SNP_38586B_33144	scaffold2	NW_004515637.1	33144	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_38587B_40576	scaffold2	NW_004515637.1	40576	GG	AA	AA	INTERGENIC		
SNP_38588B_67606	scaffold2	NW_004515637.1	67606	AA	CC	CC	INTERGENIC		
SNP_38589B_69935	scaffold2	NW_004515637.1	69935	GG	TT	TT	INTERGENIC		
SNP_38590B_69942	scaffold2	NW_004515637.1	69942	AA	GG	GG	INTERGENIC		
SNP_38591B_70024	scaffold2	NW_004515637.1	70024	CC	GG	GG	INTERGENIC		
SNP_38592B_70053	scaffold2	NW_004515637.1	70053	AA	TT	TT	INTERGENIC		
SNP_38593B_70280	scaffold2	NW_004515637.1	70280	AA	GG	GG	INTERGENIC		
SNP_38594B_70539	scaffold2	NW_004515637.1	70539	TT	GG	GG	INTERGENIC		
SNP_38595B_71323	scaffold2	NW_004515637.1	71323	AA	CC	CC	INTERGENIC		
SNP_38596B_79376	scaffold2	NW_004515637.1	79376	TT	CC	CC	INTERGENIC		
SNP_38597B_79444	scaffold2	NW_004515637.1	79444	CC	AA	AA	INTERGENIC		
SNP_38598B_79463	scaffold2	NW_004515637.1	79463	GG	TT	TT	INTERGENIC		
SNP_38599B_83657	scaffold2	NW_004515637.1	83657	TT	CC	CC	INTERGENIC		
SNP_38600B_83922	scaffold2	NW_004515637.1	83922	AA	GG	GG	INTERGENIC		
SNP_38601B_103927	scaffold2	NW_004515637.1	103927	CC	TT	TT	INTERGENIC		
SNP_38602B_103938	scaffold2	NW_004515637.1	103938	TT	CC	CC	INTERGENIC		
SNP_38603B_144554	scaffold2	NW_004515637.1	144554	AA	CC	CC	INTERGENIC		
SNP_38604B_190860	scaffold2	NW_004515637.1	190860	TT	AA	AA	INTERGENIC		
SNP_38605B_200217	scaffold2	NW_004515637.1	200217	AA	GG	GG	INTERGENIC		
SNP_38606B_207920	scaffold2	NW_004515637.1	207920	TT	AA	AA	INTERGENIC		
SNP_38607B_210714	scaffold2	NW_004515637.1	210714	AA	CC	CC	INTERGENIC		
SNP_38608B_210733	scaffold2	NW_004515637.1	210733	GG	AA	AA	INTERGENIC		
SNP_38609B_210970	scaffold2	NW_004515637.1	210970	CC	TT	TT	INTERGENIC		
SNP_38610B_211599	scaffold2	NW_004515637.1	211599	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_38611B_211903	scaffold2	NW_004515637.1	211903	TT	CC	CC	INTERGENIC		
SNP_38612B_211930	scaffold2	NW_004515637.1	211930	GG	CC	CC	INTERGENIC		
SNP_38613B_211988	scaffold2	NW_004515637.1	211988	TT	CC	CC	INTERGENIC		
SNP_38614B_212230	scaffold2	NW_004515637.1	212230	GG	TT	TT	INTERGENIC		
SNP_38615B_238326	scaffold2	NW_004515637.1	238326	TT	GG	GG	INTERGENIC		
SNP_38616B_239200	scaffold2	NW_004515637.1	239200	GG	AA	AA	INTERGENIC		
SNP_38617B_239219	scaffold2	NW_004515637.1	239219	GG	AA	AA	INTERGENIC		
SNP_38618B_239221	scaffold2	NW_004515637.1	239221	GG	AA	AA	INTERGENIC		
SNP_38619B_357866	scaffold2	NW_004515637.1	357866	CC	TT	TT	INTRON	101493923	Unknown function
SNP_38621B_402757	scaffold2	NW_004515637.1	402757	AA	GG	GG	INTERGENIC		
SNP_38622B_402844	scaffold2	NW_004515637.1	402844	TT	CC	CC	INTERGENIC		
SNP_38623B_402845	scaffold2	NW_004515637.1	402845	AA	GG	GG	INTERGENIC		
SNP_38624B_407740	scaffold2	NW_004515637.1	407740	TT	GG	GG	INTERGENIC		
SNP_38625B_408001	scaffold2	NW_004515637.1	408001	TT	CC	CC	INTERGENIC		
SNP_38626B_408119	scaffold2	NW_004515637.1	408119	TT	CC	CC	INTERGENIC		
SNP_38627B_408122	scaffold2	NW_004515637.1	408122	AA	CC	CC	INTERGENIC		
SNP_38628B_408132	scaffold2	NW_004515637.1	408132	TT	GG	GG	INTERGENIC		
SNP_38629B_408637	scaffold2	NW_004515637.1	408637	GG	TT	TT	INTERGENIC		
SNP_38630B_411073	scaffold2	NW_004515637.1	411073	TT	CC	CC	INTERGENIC		
SNP_38631B_411742	scaffold2	NW_004515637.1	411742	CC	TT	TT	INTERGENIC		
SNP_38632B_463209	scaffold2	NW_004515637.1	463209	GG	TT	TT	INTERGENIC		
SNP_38633B_500364	scaffold2	NW_004515637.1	500364	GG	TT	TT	INTERGENIC		
SNP_38635B_504086	scaffold2	NW_004515637.1	504086	CC	TT	TT	INTERGENIC		
SNP_38636B_504093	scaffold2	NW_004515637.1	504093	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_38637B_505961	scaffold2	NW_004515637.1	505961	TT	CC	CC	INTERGENIC		
SNP_38638B_527886	scaffold2	NW_004515637.1	527886	TT	GG	GG	INTERGENIC		
SNP_38639B_1496	scaffold5	NW_004515638.1	1496	AA	CC	CC	INTERGENIC		
SNP_38641B_1542	scaffold5	NW_004515638.1	1542	AA	GG	GG	INTERGENIC		
SNP_38642B_1565	scaffold5	NW_004515638.1	1565	AA	GG	GG	INTERGENIC		
SNP_38644B_5948	scaffold5	NW_004515638.1	5948	AA	GG	GG	INTERGENIC		
SNP_38645B_17576	scaffold5	NW_004515638.1	17576	CC	AA	AA	INTERGENIC		
SNP_38646B_2043	scaffold7	NW_004515639.1	2043	CC	AA	AA	INTERGENIC		
SNP_38647B_2090	scaffold7	NW_004515639.1	2090	TT	AA	AA	INTERGENIC		
SNP_38648B_50486	scaffold7	NW_004515639.1	50486	GG	AA	AA	INTERGENIC		
SNP_38649B_50492	scaffold7	NW_004515639.1	50492	CC	TT	TT	INTERGENIC		
SNP_38650B_50519	scaffold7	NW_004515639.1	50519	CC	GG	GG	INTERGENIC		
SNP_38651B_79449	scaffold7	NW_004515639.1	79449	TT	CC	CC	INTERGENIC		
SNP_38652B_79481	scaffold7	NW_004515639.1	79481	AA	CC	CC	INTERGENIC		
SNP_38653B_94503	scaffold7	NW_004515639.1	94503	AA	GG	GG	NON_SYNONYMOUS_CODING	101495741	uncharacterized LOC101495741
SNP_38654B_94654	scaffold7	NW_004515639.1	94654	GG	TT	TT	SYNONYMOUS_CODING	101495741	uncharacterized LOC101495741
SNP_38655B_116312	scaffold7	NW_004515639.1	116312	AA	TT	TT	INTERGENIC		
SNP_38656B_169671	scaffold7	NW_004515639.1	169671	AA	TT	TT	INTERGENIC		
SNP_38657B_170195	scaffold7	NW_004515639.1	170195	AA	CC	CC	INTERGENIC		
SNP_38658B_170228	scaffold7	NW_004515639.1	170228	TT	CC	CC	INTERGENIC		
SNP_38659B_170269	scaffold7	NW_004515639.1	170269	AA	GG	GG	INTERGENIC		
SNP_38660B_170303	scaffold7	NW_004515639.1	170303	AA	TT	TT	INTERGENIC		
SNP_38661B_170369	scaffold7	NW_004515639.1	170369	AA	GG	GG	INTERGENIC		
SNP_38662B_170380	scaffold7	NW_004515639.1	170380	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_38663B_170426	scaffold7	NW_004515639.1	170426	TT	AA	AA	INTERGENIC		
SNP_38664B_170445	scaffold7	NW_004515639.1	170445	TT	CC	CC	INTERGENIC		
SNP_38665B_170456	scaffold7	NW_004515639.1	170456	AA	GG	GG	INTERGENIC		
SNP_38666B_170476	scaffold7	NW_004515639.1	170476	CC	TT	TT	INTERGENIC		
SNP_38667B_170492	scaffold7	NW_004515639.1	170492	TT	CC	CC	INTERGENIC		
SNP_38668B_170515	scaffold7	NW_004515639.1	170515	CC	TT	TT	INTERGENIC		
SNP_38669B_210748	scaffold7	NW_004515639.1	210748	AA	TT	TT	INTERGENIC		
SNP_38670B_210751	scaffold7	NW_004515639.1	210751	TT	CC	CC	INTERGENIC		
SNP_38671B_210769	scaffold7	NW_004515639.1	210769	AA	CC	CC	INTERGENIC		
SNP_38672B_210782	scaffold7	NW_004515639.1	210782	TT	CC	CC	INTERGENIC		
SNP_38673B_210790	scaffold7	NW_004515639.1	210790	TT	CC	CC	INTERGENIC		
SNP_38674B_210800	scaffold7	NW_004515639.1	210800	GG	AA	AA	INTERGENIC		
SNP_38675B_210802	scaffold7	NW_004515639.1	210802	AA	TT	TT	INTERGENIC		
SNP_38676B_210808	scaffold7	NW_004515639.1	210808	AA	GG	GG	INTERGENIC		
SNP_38677B_210814	scaffold7	NW_004515639.1	210814	CC	TT	TT	INTERGENIC		
SNP_38678B_210820	scaffold7	NW_004515639.1	210820	GG	AA	AA	INTERGENIC		
SNP_38679B_215031	scaffold7	NW_004515639.1	215031	TT	CC	CC	INTERGENIC		
SNP_38681B_215374	scaffold7	NW_004515639.1	215374	GG	AA	AA	INTERGENIC		
SNP_38682B_247205	scaffold7	NW_004515639.1	247205	TT	CC	CC	INTERGENIC		
SNP_38683B_247327	scaffold7	NW_004515639.1	247327	GG	AA	AA	INTERGENIC		
SNP_38684B_247413	scaffold7	NW_004515639.1	247413	TT	AA	AA	INTERGENIC		
SNP_38685B_254724	scaffold7	NW_004515639.1	254724	TT	CC	CC	INTERGENIC		
SNP_38686B_254883	scaffold7	NW_004515639.1	254883	AA	GG	GG	INTERGENIC		
SNP_38687B_255098	scaffold7	NW_004515639.1	255098	TT	GG	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_38688B_255130	scaffold7	NW_004515639.1	255130	GG	TT	TT	INTERGENIC		
SNP_38689B_255149	scaffold7	NW_004515639.1	255149	AA	TT	TT	INTERGENIC		
SNP_38690B_255206	scaffold7	NW_004515639.1	255206	TT	CC	CC	INTERGENIC		
SNP_38691B_255223	scaffold7	NW_004515639.1	255223	AA	GG	GG	INTERGENIC		
SNP_38692B_255238	scaffold7	NW_004515639.1	255238	CC	TT	TT	INTERGENIC		
SNP_38693B_255261	scaffold7	NW_004515639.1	255261	TT	CC	CC	INTERGENIC		
SNP_38694B_262959	scaffold7	NW_004515639.1	262959	CC	TT	TT	INTERGENIC		
SNP_38695B_273446	scaffold7	NW_004515639.1	273446	TT	GG	GG	INTERGENIC		
SNP_38696B_273473	scaffold7	NW_004515639.1	273473	TT	CC	CC	INTERGENIC		
SNP_38697B_273489	scaffold7	NW_004515639.1	273489	TT	CC	CC	INTERGENIC		
SNP_38698B_274038	scaffold7	NW_004515639.1	274038	GG	AA	AA	INTERGENIC		
SNP_38699B_274049	scaffold7	NW_004515639.1	274049	TT	GG	GG	INTERGENIC		
SNP_38700B_274111	scaffold7	NW_004515639.1	274111	GG	AA	AA	INTERGENIC		
SNP_38701B_8544	scaffold9	NW_004515640.1	8544	CC	TT	TT	INTERGENIC		
SNP_38702B_8572	scaffold9	NW_004515640.1	8572	AA	CC	CC	INTERGENIC		
SNP_38703B_12429	scaffold9	NW_004515640.1	12429	CC	AA	AA	INTERGENIC		
SNP_38704B_12870	scaffold9	NW_004515640.1	12870	TT	GG	GG	INTERGENIC		
SNP_38705B_15374	scaffold9	NW_004515640.1	15374	GG	AA	AA	INTERGENIC		
SNP_38706B_34558	scaffold9	NW_004515640.1	34558	GG	TT	TT	INTERGENIC		
SNP_38707B_34564	scaffold9	NW_004515640.1	34564	AA	GG	GG	INTERGENIC		
SNP_38709B_34850	scaffold9	NW_004515640.1	34850	GG	AA	AA	INTERGENIC		
SNP_38710B_34943	scaffold9	NW_004515640.1	34943	TT	AA	AA	INTERGENIC		
SNP_38711B_35106	scaffold9	NW_004515640.1	35106	TT	AA	AA	INTERGENIC		
SNP_38712B_76101	scaffold9	NW_004515640.1	76101	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_38713B_76109	scaffold9	NW_004515640.1	76109	GG	AA	AA	INTERGENIC		
SNP_38714B_76110	scaffold9	NW_004515640.1	76110	GG	AA	AA	INTERGENIC		
SNP_38715B_76908	scaffold9	NW_004515640.1	76908	GG	AA	AA	INTERGENIC		
SNP_38716B_94254	scaffold9	NW_004515640.1	94254	GG	AA	AA	INTERGENIC		
SNP_38717B_97339	scaffold9	NW_004515640.1	97339	TT	GG	GG	INTERGENIC		
SNP_38718B_97386	scaffold9	NW_004515640.1	97386	GG	AA	AA	INTERGENIC		
SNP_38719B_97603	scaffold9	NW_004515640.1	97603	GG	AA	AA	INTERGENIC		
SNP_38720B_97606	scaffold9	NW_004515640.1	97606	TT	CC	CC	INTERGENIC		
SNP_38721B_8775	scaffold10	NW_004515641.1	8775	TT	CC	CC	DRR	101497921	uncharacterized LOC101497921
SNP_38722B_19910	scaffold10	NW_004515641.1	19910	CC	TT	TT	URR	101497921	uncharacterized LOC101497921
SNP_38723B_23377	scaffold10	NW_004515641.1	23377	CC	AA	AA	INTERGENIC		
SNP_38724B_23757	scaffold10	NW_004515641.1	23757	TT	CC	CC	INTERGENIC		
SNP_38725B_34624	scaffold10	NW_004515641.1	34624	CC	TT	TT	INTERGENIC		
SNP_38726B_34629	scaffold10	NW_004515641.1	34629	CC	TT	TT	INTERGENIC		
SNP_38727B_87401	scaffold10	NW_004515641.1	87401	TT	CC	CC	URR	101498575	uncharacterized LOC101498575
SNP_38728B_87411	scaffold10	NW_004515641.1	87411	TT	CC	CC	URR	101498575	uncharacterized LOC101498575
SNP_38729B_87424	scaffold10	NW_004515641.1	87424	AA	GG	GG	URR	101498575	uncharacterized LOC101498575
SNP_38730B_87462	scaffold10	NW_004515641.1	87462	CC	AA	AA	URR	101498575	uncharacterized LOC101498575
SNP_38731B_87763	scaffold10	NW_004515641.1	87763	AA	GG	GG	URR	101498575	uncharacterized LOC101498575
SNP_38732B_87818	scaffold10	NW_004515641.1	87818	AA	GG	GG	URR	101498575	uncharacterized LOC101498575
SNP_38733B_91464	scaffold10	NW_004515641.1	91464	AA	CC	CC	NON_SYNONYMOUS_CODING	101498911	uncharacterized LOC101498911
SNP_38734B_91472	scaffold10	NW_004515641.1	91472	CC	TT	TT	SYNONYMOUS_CODING	101498911	uncharacterized LOC101498911
SNP_38735B_91517	scaffold10	NW_004515641.1	91517	TT	CC	CC	URR	101498911	uncharacterized LOC101498911
SNP_38736B_91619	scaffold10	NW_004515641.1	91619	GG	TT	TT	URR	101498911	uncharacterized LOC101498911

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_38737B_91669	scaffold10	NW_004515641.1	91669	TT	AA	AA	URR	101498911	uncharacterized LOC101498911
SNP_38738B_91879	scaffold10	NW_004515641.1	91879	TT	AA	AA	URR	101498911	uncharacterized LOC101498911
SNP_38739B_91886	scaffold10	NW_004515641.1	91886	CC	TT	TT	URR	101498911	uncharacterized LOC101498911
SNP_38740B_91889	scaffold10	NW_004515641.1	91889	GG	TT	TT	URR	101498911	uncharacterized LOC101498911
SNP_38741B_91909	scaffold10	NW_004515641.1	91909	GG	CC	CC	URR	101498911	uncharacterized LOC101498911
SNP_38742B_91913	scaffold10	NW_004515641.1	91913	TT	CC	CC	URR	101498911	uncharacterized LOC101498911
SNP_38743B_91923	scaffold10	NW_004515641.1	91923	TT	CC	CC	URR	101498911	uncharacterized LOC101498911
SNP_38744B_91974	scaffold10	NW_004515641.1	91974	CC	AA	AA	URR	101498911	uncharacterized LOC101498911
SNP_38745B_7382	scaffold11	NW_004515642.1	7382	TT	CC	CC	INTERGENIC		
SNP_38746B_17174	scaffold11	NW_004515642.1	17174	AA	TT	TT	INTERGENIC		
SNP_38747B_8590	scaffold12	NW_004515643.1	8590	GG	AA	AA	URR	101500076	40S ribosomal protein S8-like
SNP_38748B_9022	scaffold12	NW_004515643.1	9022	CC	AA	AA	URR	101500076	40S ribosomal protein S8-like
SNP_38749B_16377	scaffold12	NW_004515643.1	16377	AA	GG	GG	INTRON	101499236	ABC transporter A family member 4-like
SNP_38751B_16671	scaffold12	NW_004515643.1	16671	TT	CC	CC	INTRON	101499236	ABC transporter A family member 4-like
SNP_38752B_16673	scaffold12	NW_004515643.1	16673	GG	AA	AA	INTRON	101499236	ABC transporter A family member 4-like
SNP_38755B_58049	scaffold12	NW_004515643.1	58049	AA	GG	GG	INTERGENIC		
SNP_38756B_99377	scaffold12	NW_004515643.1	99377	AA	GG	GG	INTERGENIC		
SNP_38757B_110398	scaffold12	NW_004515643.1	110398	AA	CC	CC	INTERGENIC		
SNP_38758B_110412	scaffold12	NW_004515643.1	110412	AA	TT	TT	INTERGENIC		
SNP_38759B_110511	scaffold12	NW_004515643.1	110511	GG	AA	AA	INTERGENIC		
SNP_38760B_110515	scaffold12	NW_004515643.1	110515	AA	CC	CC	INTERGENIC		
SNP_38761B_110556	scaffold12	NW_004515643.1	110556	GG	TT	TT	INTERGENIC		
SNP_38762B_110572	scaffold12	NW_004515643.1	110572	GG	TT	TT	INTERGENIC		
SNP_38763B_110680	scaffold12	NW_004515643.1	110680	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_38764B_161007	scaffold12	NW_004515643.1	161007	TT	GG	GG	INTERGENIC		
SNP_38765B_177674	scaffold12	NW_004515643.1	177674	CC	TT	TT	INTERGENIC		
SNP_38766B_190055	scaffold12	NW_004515643.1	190055	CC	TT	TT	INTERGENIC		
SNP_38767B_198299	scaffold12	NW_004515643.1	198299	AA	GG	GG	INTERGENIC		
SNP_38768B_198311	scaffold12	NW_004515643.1	198311	TT	GG	GG	INTERGENIC		
SNP_38769B_198432	scaffold12	NW_004515643.1	198432	TT	CC	CC	INTERGENIC		
SNP_38770B_198467	scaffold12	NW_004515643.1	198467	GG	CC	CC	INTERGENIC		
SNP_38771B_198484	scaffold12	NW_004515643.1	198484	AA	GG	GG	INTERGENIC		
SNP_38772B_198500	scaffold12	NW_004515643.1	198500	TT	CC	CC	INTERGENIC		
SNP_38773B_198691	scaffold12	NW_004515643.1	198691	TT	CC	CC	INTERGENIC		
SNP_38774B_198772	scaffold12	NW_004515643.1	198772	GG	TT	TT	INTERGENIC		
SNP_38775B_198824	scaffold12	NW_004515643.1	198824	GG	AA	AA	INTERGENIC		
SNP_38776B_198847	scaffold12	NW_004515643.1	198847	AA	GG	GG	INTERGENIC		
SNP_38777B_218405	scaffold12	NW_004515643.1	218405	TT	CC	CC	INTERGENIC		
SNP_38778B_238270	scaffold12	NW_004515643.1	238270	TT	CC	CC	INTERGENIC		
SNP_38779B_238282	scaffold12	NW_004515643.1	238282	AA	GG	GG	INTERGENIC		
SNP_38780B_239915	scaffold12	NW_004515643.1	239915	AA	CC	CC	INTERGENIC		
SNP_38781B_293027	scaffold12	NW_004515643.1	293027	CC	TT	TT	INTERGENIC		
SNP_38782B_296054	scaffold12	NW_004515643.1	296054	AA	GG	GG	INTERGENIC		
SNP_38783B_296064	scaffold12	NW_004515643.1	296064	AA	GG	GG	INTERGENIC		
SNP_38784B_296078	scaffold12	NW_004515643.1	296078	GG	TT	TT	INTERGENIC		
SNP_38785B_296079	scaffold12	NW_004515643.1	296079	CC	TT	TT	INTERGENIC		
SNP_38786B_296104	scaffold12	NW_004515643.1	296104	CC	TT	TT	INTERGENIC		
SNP_38787B_296247	scaffold12	NW_004515643.1	296247	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_38788B_296444	scaffold12	NW_004515643.1	296444	GG	AA	AA	INTERGENIC		
SNP_38789B_296449	scaffold12	NW_004515643.1	296449	AA	GG	GG	INTERGENIC		
SNP_38790B_296480	scaffold12	NW_004515643.1	296480	TT	AA	AA	INTERGENIC		
SNP_38791B_296500	scaffold12	NW_004515643.1	296500	TT	GG	GG	INTERGENIC		
SNP_38792B_296528	scaffold12	NW_004515643.1	296528	TT	CC	CC	INTERGENIC		
SNP_38793B_296538	scaffold12	NW_004515643.1	296538	TT	CC	CC	INTERGENIC		
SNP_38794B_296582	scaffold12	NW_004515643.1	296582	TT	CC	CC	INTERGENIC		
SNP_38796B_9232	scaffold13	NW_004515644.1	9232	TT	GG	GG	INTERGENIC		
SNP_38797B_17127	scaffold13	NW_004515644.1	17127	AA	TT	TT	INTERGENIC		
SNP_38798B_22968	scaffold13	NW_004515644.1	22968	TT	GG	GG	INTERGENIC		
SNP_38799B_26321	scaffold13	NW_004515644.1	26321	TT	GG	GG	INTERGENIC		
SNP_38800B_26341	scaffold13	NW_004515644.1	26341	AA	GG	GG	INTERGENIC		
SNP_38801B_26352	scaffold13	NW_004515644.1	26352	TT	AA	AA	INTERGENIC		
SNP_38802B_26398	scaffold13	NW_004515644.1	26398	CC	GG	GG	INTERGENIC		
SNP_38803B_26400	scaffold13	NW_004515644.1	26400	CC	GG	GG	INTERGENIC		
SNP_38804B_26629	scaffold13	NW_004515644.1	26629	TT	AA	AA	INTERGENIC		
SNP_38805B_26649	scaffold13	NW_004515644.1	26649	TT	CC	CC	INTERGENIC		
SNP_38806B_26665	scaffold13	NW_004515644.1	26665	CC	TT	TT	INTERGENIC		
SNP_38807B_26690	scaffold13	NW_004515644.1	26690	AA	GG	GG	INTERGENIC		
SNP_38808B_26794	scaffold13	NW_004515644.1	26794	CC	GG	GG	INTERGENIC		
SNP_38810B_32987	scaffold13	NW_004515644.1	32987	AA	TT	TT	URR	101502311	protein YLS9-like
SNP_38811B_33032	scaffold13	NW_004515644.1	33032	AA	GG	GG	URR	101502311	protein YLS9-like
SNP_38812B_33049	scaffold13	NW_004515644.1	33049	CC	TT	TT	URR	101502311	protein YLS9-like
SNP_38813B_33061	scaffold13	NW_004515644.1	33061	GG	AA	AA	URR	101502311	protein YLS9-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_38815B_33098	scaffold13	NW_004515644.1	33098	AA	TT	TT	URR	101502311	protein YLS9-like
SNP_38816B_33099	scaffold13	NW_004515644.1	33099	TT	CC	CC	URR	101502311	protein YLS9-like
SNP_38817B_33103	scaffold13	NW_004515644.1	33103	TT	CC	CC	URR	101502311	protein YLS9-like
SNP_38818B_33140	scaffold13	NW_004515644.1	33140	AA	GG	GG	URR	101502311	protein YLS9-like
SNP_38819B_33150	scaffold13	NW_004515644.1	33150	AA	GG	GG	URR	101502311	protein YLS9-like
SNP_38820B_33375	scaffold13	NW_004515644.1	33375	CC	TT	TT	URR	101502311	protein YLS9-like
SNP_38821B_33470	scaffold13	NW_004515644.1	33470	CC	AA	AA	URR	101502311	protein YLS9-like
SNP_38822B_33806	scaffold13	NW_004515644.1	33806	CC	AA	AA	INTERGENIC		
SNP_38823B_44106	scaffold13	NW_004515644.1	44106	AA	GG	GG	INTERGENIC		
SNP_38824B_58616	scaffold13	NW_004515644.1	58616	TT	AA	AA	INTERGENIC		
SNP_38825B_65550	scaffold13	NW_004515644.1	65550	AA	GG	GG	INTERGENIC		
SNP_38826B_3502	scaffold15	NW_004515645.1	3502	GG	AA	AA	INTERGENIC		
SNP_38827B_20094	scaffold15	NW_004515645.1	20094	AA	TT	TT	INTERGENIC		
SNP_38828B_20290	scaffold15	NW_004515645.1	20290	TT	GG	GG	INTERGENIC		
SNP_38829B_20336	scaffold15	NW_004515645.1	20336	CC	TT	TT	INTERGENIC		
SNP_38830B_27464	scaffold15	NW_004515645.1	27464	GG	TT	TT	INTERGENIC		
SNP_38831B_27721	scaffold15	NW_004515645.1	27721	AA	GG	GG	INTERGENIC		
SNP_38832B_28944	scaffold15	NW_004515645.1	28944	AA	TT	TT	INTERGENIC		
SNP_38833B_32233	scaffold15	NW_004515645.1	32233	TT	CC	CC	INTERGENIC		
SNP_38834B_38284	scaffold15	NW_004515645.1	38284	GG	AA	AA	INTERGENIC		
SNP_38835B_49655	scaffold15	NW_004515645.1	49655	TT	CC	CC	INTERGENIC		
SNP_38836B_63175	scaffold15	NW_004515645.1	63175	AA	CC	CC	INTERGENIC		
SNP_38837B_63193	scaffold15	NW_004515645.1	63193	GG	CC	CC	INTERGENIC		
SNP_38838B_63258	scaffold15	NW_004515645.1	63258	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_38839B_67294	scaffold15	NW_004515645.1	67294	AA	TT	TT	INTERGENIC		
SNP_38840B_70346	scaffold15	NW_004515645.1	70346	CC	TT	TT	INTERGENIC		
SNP_38841B_70348	scaffold15	NW_004515645.1	70348	GG	AA	AA	INTERGENIC		
SNP_38842B_70366	scaffold15	NW_004515645.1	70366	GG	AA	AA	INTERGENIC		
SNP_38843B_70541	scaffold15	NW_004515645.1	70541	AA	GG	GG	INTERGENIC		
SNP_38844B_70549	scaffold15	NW_004515645.1	70549	AA	GG	GG	INTERGENIC		
SNP_38845B_70569	scaffold15	NW_004515645.1	70569	GG	CC	CC	INTERGENIC		
SNP_38846B_70618	scaffold15	NW_004515645.1	70618	GG	AA	AA	INTERGENIC		
SNP_38848B_115221	scaffold15	NW_004515645.1	115221	GG	AA	AA	INTERGENIC		
SNP_38850B_143706	scaffold15	NW_004515645.1	143706	GG	AA	AA	INTERGENIC		
SNP_38852B_144014	scaffold15	NW_004515645.1	144014	TT	AA	AA	INTERGENIC		
SNP_38853B_144076	scaffold15	NW_004515645.1	144076	GG	AA	AA	INTERGENIC		
SNP_38855B_165677	scaffold15	NW_004515645.1	165677	AA	GG	GG	INTERGENIC		
SNP_38856B_827	scaffold16	NW_004515646.1	827	TT	GG	GG	INTERGENIC		
SNP_38857B_894	scaffold16	NW_004515646.1	894	TT	CC	CC	INTERGENIC		
SNP_38858B_896	scaffold16	NW_004515646.1	896	GG	AA	AA	INTERGENIC		
SNP_38859B_912	scaffold16	NW_004515646.1	912	GG	AA	AA	INTERGENIC		
SNP_38860B_924	scaffold16	NW_004515646.1	924	AA	GG	GG	INTERGENIC		
SNP_38861B_949	scaffold16	NW_004515646.1	949	AA	GG	GG	INTERGENIC		
SNP_38862B_992	scaffold16	NW_004515646.1	992	AA	CC	CC	INTERGENIC		
SNP_38863B_1009	scaffold16	NW_004515646.1	1009	TT	GG	GG	INTERGENIC		
SNP_38864B_1068	scaffold16	NW_004515646.1	1068	TT	CC	CC	INTERGENIC		
SNP_38865B_1292	scaffold16	NW_004515646.1	1292	GG	AA	AA	INTERGENIC		
SNP_38867B_4687	scaffold16	NW_004515646.1	4687	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_38868B_5677	scaffold17	NW_004515647.1	5677	TT	CC	CC	DRR	101506711	Unknown function
SNP_38869B_95083	scaffold17	NW_004515647.1	95083	TT	AA	AA	INTERGENIC		
SNP_38870B_95255	scaffold17	NW_004515647.1	95255	AA	GG	GG	INTERGENIC		
SNP_38871B_95280	scaffold17	NW_004515647.1	95280	CC	AA	AA	INTERGENIC		
SNP_38872B_95285	scaffold17	NW_004515647.1	95285	TT	CC	CC	INTERGENIC		
SNP_38873B_95508	scaffold17	NW_004515647.1	95508	AA	CC	CC	INTERGENIC		
SNP_38874B_95598	scaffold17	NW_004515647.1	95598	CC	TT	TT	INTERGENIC		
SNP_38875B_99811	scaffold17	NW_004515647.1	99811	GG	AA	AA	INTERGENIC		
SNP_38876B_99826	scaffold17	NW_004515647.1	99826	AA	TT	TT	INTERGENIC		
SNP_38877B_99833	scaffold17	NW_004515647.1	99833	TT	CC	CC	INTERGENIC		
SNP_38879B_99997	scaffold17	NW_004515647.1	99997	AA	TT	TT	INTERGENIC		
SNP_38880B_101846	scaffold17	NW_004515647.1	101846	TT	CC	CC	INTERGENIC		
SNP_38881B_103501	scaffold17	NW_004515647.1	103501	AA	GG	GG	INTERGENIC		
SNP_38882B_125547	scaffold17	NW_004515647.1	125547	GG	TT	TT	INTERGENIC		
SNP_38883B_125584	scaffold17	NW_004515647.1	125584	TT	CC	CC	INTERGENIC		
SNP_38884B_125586	scaffold17	NW_004515647.1	125586	GG	AA	AA	INTERGENIC		
SNP_38885B_142646	scaffold17	NW_004515647.1	142646	TT	CC	CC	DRR	101507674	uncharacterized LOC101507674
SNP_38886B_142801	scaffold17	NW_004515647.1	142801	GG	AA	AA	DRR	101507674	uncharacterized LOC101507674
SNP_38887B_143168	scaffold17	NW_004515647.1	143168	CC	AA	AA	INTERGENIC		
SNP_38888B_153125	scaffold17	NW_004515647.1	153125	TT	CC	CC	URR	101507674	uncharacterized LOC101507674
SNP_38889B_157700	scaffold17	NW_004515647.1	157700	TT	CC	CC	INTERGENIC		
SNP_38890B_157730	scaffold17	NW_004515647.1	157730	AA	GG	GG	INTERGENIC		
SNP_38891B_157752	scaffold17	NW_004515647.1	157752	GG	AA	AA	INTERGENIC		
SNP_38892B_232065	scaffold17	NW_004515647.1	232065	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_38893B_233541	scaffold17	NW_004515647.1	233541	AA	TT	TT	INTERGENIC		
SNP_38894B_233595	scaffold17	NW_004515647.1	233595	CC	TT	TT	INTERGENIC		
SNP_38895B_233659	scaffold17	NW_004515647.1	233659	AA	GG	GG	INTERGENIC		
SNP_38896B_238441	scaffold17	NW_004515647.1	238441	AA	GG	GG	INTERGENIC		
SNP_38897B_239765	scaffold17	NW_004515647.1	239765	TT	AA	AA	INTERGENIC		
SNP_38898B_291830	scaffold17	NW_004515647.1	291830	CC	TT	TT	INTERGENIC		
SNP_38899B_291917	scaffold17	NW_004515647.1	291917	AA	TT	TT	INTERGENIC		
SNP_38900B_292010	scaffold17	NW_004515647.1	292010	AA	TT	TT	INTERGENIC		
SNP_38901B_292068	scaffold17	NW_004515647.1	292068	CC	TT	TT	INTERGENIC		
SNP_38902B_292224	scaffold17	NW_004515647.1	292224	AA	GG	GG	INTERGENIC		
SNP_38903B_292267	scaffold17	NW_004515647.1	292267	GG	AA	AA	INTERGENIC		
SNP_38904B_292273	scaffold17	NW_004515647.1	292273	AA	CC	CC	INTERGENIC		
SNP_38905B_292274	scaffold17	NW_004515647.1	292274	AA	GG	GG	INTERGENIC		
SNP_38906B_292593	scaffold17	NW_004515647.1	292593	TT	GG	GG	DRR	101506163	thioredoxin-like protein Clot
SNP_38907B_292796	scaffold17	NW_004515647.1	292796	GG	AA	AA	DRR	101506163	thioredoxin-like protein Clot
SNP_38908B_292869	scaffold17	NW_004515647.1	292869	TT	CC	CC	DRR	101506163	thioredoxin-like protein Clot
SNP_38909B_293110	scaffold17	NW_004515647.1	293110	AA	TT	TT	DRR	101506163	thioredoxin-like protein Clot
SNP_38910B_293317	scaffold17	NW_004515647.1	293317	AA	CC	CC	DRR	101506163	thioredoxin-like protein Clot
SNP_38911B_294785	scaffold17	NW_004515647.1	294785	TT	AA	AA	INTRON	101506163	thioredoxin-like protein Clot
SNP_38912B_294810	scaffold17	NW_004515647.1	294810	AA	GG	GG	INTRON	101506163	thioredoxin-like protein Clot
SNP_38913B_296737	scaffold17	NW_004515647.1	296737	CC	AA	AA	INTRON	101506163	thioredoxin-like protein Clot
SNP_38914B_296993	scaffold17	NW_004515647.1	296993	TT	CC	CC	SPLICE_SITE_REGION	101506163	thioredoxin-like protein Clot
SNP_38915B_297240	scaffold17	NW_004515647.1	297240	GG	AA	AA	URR	101506163	thioredoxin-like protein Clot
SNP_38918B_24530	scaffold22	NW_004515648.1	24530	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_38919B_24869	scaffold22	NW_004515648.1	24869	AA	GG	GG	INTERGENIC		
SNP_38920B_24879	scaffold22	NW_004515648.1	24879	TT	CC	CC	INTERGENIC		
SNP_38921B_24948	scaffold22	NW_004515648.1	24948	AA	TT	TT	INTERGENIC		
SNP_38922B_32666	scaffold22	NW_004515648.1	32666	TT	CC	CC	INTERGENIC		
SNP_38923B_34280	scaffold22	NW_004515648.1	34280	TT	CC	CC	INTERGENIC		
SNP_38924B_34316	scaffold22	NW_004515648.1	34316	TT	CC	CC	INTERGENIC		
SNP_38925B_34359	scaffold22	NW_004515648.1	34359	AA	CC	CC	INTERGENIC		
SNP_38926B_34369	scaffold22	NW_004515648.1	34369	TT	CC	CC	INTERGENIC		
SNP_38927B_34394	scaffold22	NW_004515648.1	34394	AA	GG	GG	INTERGENIC		
SNP_38928B_34427	scaffold22	NW_004515648.1	34427	CC	AA	AA	INTERGENIC		
SNP_38929B_34429	scaffold22	NW_004515648.1	34429	GG	AA	AA	INTERGENIC		
SNP_38930B_34434	scaffold22	NW_004515648.1	34434	TT	GG	GG	INTERGENIC		
SNP_38931B_34493	scaffold22	NW_004515648.1	34493	TT	GG	GG	INTERGENIC		
SNP_38933B_34570	scaffold22	NW_004515648.1	34570	CC	TT	TT	INTERGENIC		
SNP_38934B_34647	scaffold22	NW_004515648.1	34647	GG	TT	TT	INTERGENIC		
SNP_38935B_34724	scaffold22	NW_004515648.1	34724	TT	CC	CC	INTERGENIC		
SNP_38936B_34752	scaffold22	NW_004515648.1	34752	GG	AA	AA	INTERGENIC		
SNP_38937B_34761	scaffold22	NW_004515648.1	34761	AA	GG	GG	INTERGENIC		
SNP_38938B_34766	scaffold22	NW_004515648.1	34766	GG	AA	AA	INTERGENIC		
SNP_38939B_34767	scaffold22	NW_004515648.1	34767	GG	AA	AA	INTERGENIC		
SNP_38940B_34810	scaffold22	NW_004515648.1	34810	CC	AA	AA	INTERGENIC		
SNP_38941B_34998	scaffold22	NW_004515648.1	34998	CC	GG	GG	INTERGENIC		
SNP_38942B_41747	scaffold22	NW_004515648.1	41747	AA	GG	GG	INTERGENIC		
SNP_38943B_41837	scaffold22	NW_004515648.1	41837	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_38944B_41915	scaffold22	NW_004515648.1	41915	AA	GG	GG	INTERGENIC		
SNP_38945B_14336	scaffold25	NW_004515649.1	14336	TT	CC	CC	INTERGENIC		
SNP_38946B_14756	scaffold25	NW_004515649.1	14756	CC	GG	GG	INTERGENIC		
SNP_38947B_16117	scaffold25	NW_004515649.1	16117	AA	GG	GG	INTERGENIC		
SNP_38948B_17215	scaffold25	NW_004515649.1	17215	TT	GG	GG	INTERGENIC		
SNP_38949B_20369	scaffold25	NW_004515649.1	20369	TT	CC	CC	INTERGENIC		
SNP_38950B_33851	scaffold25	NW_004515649.1	33851	AA	TT	TT	INTERGENIC		
SNP_38951B_39357	scaffold25	NW_004515649.1	39357	GG	AA	AA	INTERGENIC		
SNP_38952B_39449	scaffold25	NW_004515649.1	39449	TT	AA	AA	INTERGENIC		
SNP_38953B_39747	scaffold25	NW_004515649.1	39747	GG	TT	TT	INTERGENIC		
SNP_38954B_41791	scaffold25	NW_004515649.1	41791	GG	TT	TT	NON_SYNONYMOUS_CODING	101508625	Unknown function
SNP_38955B_43124	scaffold25	NW_004515649.1	43124	CC	TT	TT	INTRON	101508625	Unknown function
SNP_38956B_43131	scaffold25	NW_004515649.1	43131	CC	AA	AA	INTRON	101508625	Unknown function
SNP_38957B_43344	scaffold25	NW_004515649.1	43344	GG	AA	AA	INTRON	101508625	Unknown function
SNP_38958B_46342	scaffold25	NW_004515649.1	46342	CC	TT	TT	INTRON	101508625	Unknown function
SNP_38959B_46477	scaffold25	NW_004515649.1	46477	GG	CC	CC	INTRON	101508625	Unknown function
SNP_38960B_49152	scaffold25	NW_004515649.1	49152	CC	TT	TT	URR	101508625	Unknown function
SNP_38961B_49188	scaffold25	NW_004515649.1	49188	AA	TT	TT	URR	101508625	Unknown function
SNP_38962B_49189	scaffold25	NW_004515649.1	49189	CC	TT	TT	URR	101508625	Unknown function
SNP_38963B_50994	scaffold25	NW_004515649.1	50994	TT	AA	AA	INTERGENIC		
SNP_38964B_51412	scaffold25	NW_004515649.1	51412	TT	CC	CC	INTERGENIC		
SNP_38965B_52907	scaffold25	NW_004515649.1	52907	GG	CC	CC	INTERGENIC		
SNP_38966B_55183	scaffold25	NW_004515649.1	55183	AA	GG	GG	INTERGENIC		
SNP_38967B_55358	scaffold25	NW_004515649.1	55358	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_38968B_57118	scaffold25	NW_004515649.1	57118	CC	TT	TT	INTERGENIC		
SNP_38969B_57128	scaffold25	NW_004515649.1	57128	CC	TT	TT	INTERGENIC		
SNP_38970B_59877	scaffold25	NW_004515649.1	59877	GG	TT	TT	INTERGENIC		
SNP_38971B_60400	scaffold25	NW_004515649.1	60400	GG	CC	CC	INTERGENIC		
SNP_38972B_60584	scaffold25	NW_004515649.1	60584	AA	TT	TT	INTERGENIC		
SNP_38973B_60728	scaffold25	NW_004515649.1	60728	CC	TT	TT	INTERGENIC		
SNP_38974B_62048	scaffold25	NW_004515649.1	62048	CC	AA	AA	DRR	101508943	Unknown function
SNP_38975B_62183	scaffold25	NW_004515649.1	62183	AA	CC	CC	DRR	101508943	Unknown function
SNP_38976B_62277	scaffold25	NW_004515649.1	62277	GG	AA	AA	SYNONYMOUS_CODING	101508943	Unknown function
SNP_38977B_71168	scaffold25	NW_004515649.1	71168	CC	TT	TT	URR	101508943	Unknown function
SNP_38978B_71238	scaffold25	NW_004515649.1	71238	AA	GG	GG	URR	101508943	Unknown function
SNP_38979B_71304	scaffold25	NW_004515649.1	71304	GG	TT	TT	URR	101508943	Unknown function
SNP_38980B_71429	scaffold25	NW_004515649.1	71429	AA	GG	GG	URR	101508943	Unknown function
SNP_38982B_73699	scaffold25	NW_004515649.1	73699	GG	CC	CC	INTERGENIC		
SNP_38983B_76056	scaffold25	NW_004515649.1	76056	AA	CC	CC	INTERGENIC		
SNP_38985B_79083	scaffold25	NW_004515649.1	79083	AA	CC	CC	INTERGENIC		
SNP_38986B_18862	scaffold26	NW_004515650.1	18862	TT	CC	CC	INTERGENIC		
SNP_38987B_18870	scaffold26	NW_004515650.1	18870	AA	CC	CC	INTERGENIC		
SNP_38988B_18894	scaffold26	NW_004515650.1	18894	CC	AA	TT	INTERGENIC		
SNP_38989B_20468	scaffold26	NW_004515650.1	20468	GG	AA	AA	INTERGENIC		
SNP_38991B_112374	scaffold26	NW_004515650.1	112374	TT	GG	GG	INTERGENIC		
SNP_38992B_112376	scaffold26	NW_004515650.1	112376	AA	GG	GG	INTERGENIC		
SNP_38993B_145329	scaffold26	NW_004515650.1	145329	CC	AA	AA	INTERGENIC		
SNP_38994B_191780	scaffold26	NW_004515650.1	191780	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_38996B_224354	scaffold26	NW_004515650.1	224354	GG	AA	AA	INTERGENIC		
SNP_38997B_224358	scaffold26	NW_004515650.1	224358	GG	AA	AA	INTERGENIC		
SNP_38998B_224405	scaffold26	NW_004515650.1	224405	TT	CC	CC	INTERGENIC		
SNP_38999B_224685	scaffold26	NW_004515650.1	224685	TT	CC	CC	INTERGENIC		
SNP_39000B_227551	scaffold26	NW_004515650.1	227551	TT	AA	AA	INTERGENIC		
SNP_39001B_227573	scaffold26	NW_004515650.1	227573	GG	AA	AA	INTERGENIC		
SNP_39002B_227668	scaffold26	NW_004515650.1	227668	TT	CC	CC	INTERGENIC		
SNP_39003B_227709	scaffold26	NW_004515650.1	227709	TT	CC	CC	INTERGENIC		
SNP_39004B_294816	scaffold26	NW_004515650.1	294816	AA	GG	GG	INTERGENIC		
SNP_39005B_295048	scaffold26	NW_004515650.1	295048	CC	TT	TT	INTERGENIC		
SNP_39006B_295068	scaffold26	NW_004515650.1	295068	GG	AA	AA	INTERGENIC		
SNP_39007B_295077	scaffold26	NW_004515650.1	295077	CC	TT	TT	INTERGENIC		
SNP_39008B_295090	scaffold26	NW_004515650.1	295090	GG	TT	TT	INTERGENIC		
SNP_39009B_295120	scaffold26	NW_004515650.1	295120	GG	TT	TT	INTERGENIC		
SNP_39010B_295129	scaffold26	NW_004515650.1	295129	TT	GG	GG	INTERGENIC		
SNP_39011B_295135	scaffold26	NW_004515650.1	295135	GG	AA	AA	INTERGENIC		
SNP_39012B_295160	scaffold26	NW_004515650.1	295160	TT	GG	GG	INTERGENIC		
SNP_39013B_295168	scaffold26	NW_004515650.1	295168	CC	TT	TT	INTERGENIC		
SNP_39014B_295260	scaffold26	NW_004515650.1	295260	TT	CC	CC	INTERGENIC		
SNP_39015B_429913	scaffold26	NW_004515650.1	429913	GG	TT	TT	INTERGENIC		
SNP_39016B_455741	scaffold26	NW_004515650.1	455741	AA	GG	GG	URR	101510879	uncharacterized LOC101510879
SNP_39017B_469782	scaffold26	NW_004515650.1	469782	CC	TT	TT	INTERGENIC		
SNP_39018B_501272	scaffold26	NW_004515650.1	501272	TT	GG	GG	INTERGENIC		
SNP_39019B_501454	scaffold26	NW_004515650.1	501454	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39020B_501728	scaffold26	NW_004515650.1	501728	TT	CC	CC	INTERGENIC		
SNP_39021B_502182	scaffold26	NW_004515650.1	502182	GG	TT	TT	INTERGENIC		
SNP_39022B_502489	scaffold26	NW_004515650.1	502489	GG	AA	AA	INTERGENIC		
SNP_39023B_502923	scaffold26	NW_004515650.1	502923	TT	AA	AA	INTERGENIC		
SNP_39024B_502956	scaffold26	NW_004515650.1	502956	GG	AA	AA	INTERGENIC		
SNP_39025B_502966	scaffold26	NW_004515650.1	502966	TT	CC	CC	INTERGENIC		
SNP_39026B_503124	scaffold26	NW_004515650.1	503124	TT	CC	CC	INTERGENIC		
SNP_39027B_503238	scaffold26	NW_004515650.1	503238	AA	GG	GG	INTERGENIC		
SNP_39028B_503260	scaffold26	NW_004515650.1	503260	GG	AA	AA	INTERGENIC		
SNP_39029B_503274	scaffold26	NW_004515650.1	503274	AA	GG	GG	INTERGENIC		
SNP_39030B_503289	scaffold26	NW_004515650.1	503289	GG	CC	CC	INTERGENIC		
SNP_39031B_503328	scaffold26	NW_004515650.1	503328	AA	GG	GG	INTERGENIC		
SNP_39032B_503354	scaffold26	NW_004515650.1	503354	TT	CC	CC	INTERGENIC		
SNP_39033B_503370	scaffold26	NW_004515650.1	503370	AA	GG	GG	INTERGENIC		
SNP_39034B_503376	scaffold26	NW_004515650.1	503376	CC	TT	TT	INTERGENIC		
SNP_39035B_503383	scaffold26	NW_004515650.1	503383	TT	CC	CC	INTERGENIC		
SNP_39036B_503393	scaffold26	NW_004515650.1	503393	GG	AA	AA	INTERGENIC		
SNP_39037B_503409	scaffold26	NW_004515650.1	503409	TT	CC	CC	INTERGENIC		
SNP_39038B_503431	scaffold26	NW_004515650.1	503431	AA	GG	GG	INTERGENIC		
SNP_39039B_503437	scaffold26	NW_004515650.1	503437	TT	CC	CC	INTERGENIC		
SNP_39041B_513520	scaffold26	NW_004515650.1	513520	TT	CC	CC	INTERGENIC		
SNP_39042B_543969	scaffold26	NW_004515650.1	543969	CC	TT	TT	INTERGENIC		
SNP_39043B_560141	scaffold26	NW_004515650.1	560141	TT	GG	GG	INTERGENIC		
SNP_39044B_575697	scaffold26	NW_004515650.1	575697	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39045B_575700	scaffold26	NW_004515650.1	575700	TT	CC	CC	INTERGENIC		
SNP_39047B_575761	scaffold26	NW_004515650.1	575761	CC	TT	TT	INTERGENIC		
SNP_39048B_122	scaffold29	NW_004515651.1	122	CC	GG	GG	INTERGENIC		
SNP_39049B_3108	scaffold29	NW_004515651.1	3108	AA	TT	TT	INTERGENIC		
SNP_39050B_3169	scaffold29	NW_004515651.1	3169	GG	AA	AA	INTERGENIC		
SNP_39051B_7416	scaffold29	NW_004515651.1	7416	AA	GG	GG	INTERGENIC		
SNP_39052B_12789	scaffold29	NW_004515651.1	12789	TT	CC	CC	INTERGENIC		
SNP_39053B_34003	scaffold29	NW_004515651.1	34003	AA	GG	GG	INTERGENIC		
SNP_39054B_63311	scaffold29	NW_004515651.1	63311	TT	CC	CC	INTERGENIC		
SNP_39055B_63352	scaffold29	NW_004515651.1	63352	GG	AA	AA	INTERGENIC		
SNP_39056B_63367	scaffold29	NW_004515651.1	63367	TT	CC	CC	INTERGENIC		
SNP_39057B_85958	scaffold29	NW_004515651.1	85958	CC	AA	AA	INTERGENIC		
SNP_39058B_91372	scaffold29	NW_004515651.1	91372	GG	AA	AA	INTERGENIC		
SNP_39059B_91424	scaffold29	NW_004515651.1	91424	TT	CC	CC	INTERGENIC		
SNP_39060B_91514	scaffold29	NW_004515651.1	91514	TT	GG	GG	INTERGENIC		
SNP_39061B_91785	scaffold29	NW_004515651.1	91785	TT	AA	AA	INTERGENIC		
SNP_39062B_91806	scaffold29	NW_004515651.1	91806	AA	GG	GG	INTERGENIC		
SNP_39063B_92071	scaffold29	NW_004515651.1	92071	AA	CC	CC	INTERGENIC		
SNP_39064B_92096	scaffold29	NW_004515651.1	92096	GG	TT	TT	INTERGENIC		
SNP_39065B_92124	scaffold29	NW_004515651.1	92124	AA	CC	CC	INTERGENIC		
SNP_39066B_92127	scaffold29	NW_004515651.1	92127	CC	TT	TT	INTERGENIC		
SNP_39067B_92212	scaffold29	NW_004515651.1	92212	AA	GG	GG	INTERGENIC		
SNP_39068B_92417	scaffold29	NW_004515651.1	92417	CC	AA	AA	INTERGENIC		
SNP_39069B_92954	scaffold29	NW_004515651.1	92954	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39070B_93050	scaffold29	NW_004515651.1	93050	AA	CC	CC	INTERGENIC		
SNP_39071B_93183	scaffold29	NW_004515651.1	93183	CC	AA	AA	INTERGENIC		
SNP_39072B_93184	scaffold29	NW_004515651.1	93184	AA	CC	CC	INTERGENIC		
SNP_39073B_93232	scaffold29	NW_004515651.1	93232	GG	CC	CC	INTERGENIC		
SNP_39074B_93296	scaffold29	NW_004515651.1	93296	CC	AA	AA	INTERGENIC		
SNP_39075B_93300	scaffold29	NW_004515651.1	93300	AA	GG	GG	INTERGENIC		
SNP_39076B_93398	scaffold29	NW_004515651.1	93398	CC	AA	AA	INTERGENIC		
SNP_39077B_93401	scaffold29	NW_004515651.1	93401	TT	AA	AA	INTERGENIC		
SNP_39078B_93429	scaffold29	NW_004515651.1	93429	TT	CC	CC	INTERGENIC		
SNP_39079B_93466	scaffold29	NW_004515651.1	93466	TT	CC	CC	INTERGENIC		
SNP_39080B_93518	scaffold29	NW_004515651.1	93518	TT	CC	CC	INTERGENIC		
SNP_39081B_93608	scaffold29	NW_004515651.1	93608	AA	CC	CC	INTERGENIC		
SNP_39082B_97989	scaffold29	NW_004515651.1	97989	TT	GG	GG	INTERGENIC		
SNP_39083B_98048	scaffold29	NW_004515651.1	98048	GG	TT	TT	INTERGENIC		
SNP_39084B_98067	scaffold29	NW_004515651.1	98067	CC	GG	GG	INTERGENIC		
SNP_39085B_98159	scaffold29	NW_004515651.1	98159	TT	CC	CC	INTERGENIC		
SNP_39086B_98162	scaffold29	NW_004515651.1	98162	CC	TT	TT	INTERGENIC		
SNP_39087B_98388	scaffold29	NW_004515651.1	98388	CC	GG	GG	INTERGENIC		
SNP_39088B_98403	scaffold29	NW_004515651.1	98403	CC	TT	TT	INTERGENIC		
SNP_39089B_98510	scaffold29	NW_004515651.1	98510	AA	GG	GG	INTERGENIC		
SNP_39090B_98513	scaffold29	NW_004515651.1	98513	AA	GG	GG	INTERGENIC		
SNP_39091B_98638	scaffold29	NW_004515651.1	98638	GG	CC	CC	INTERGENIC		
SNP_39092B_98659	scaffold29	NW_004515651.1	98659	TT	AA	AA	INTERGENIC		
SNP_39093B_98685	scaffold29	NW_004515651.1	98685	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39094B_98858	scaffold29	NW_004515651.1	98858	GG	AA	AA	INTERGENIC		
SNP_39095B_99016	scaffold29	NW_004515651.1	99016	TT	GG	GG	INTERGENIC		
SNP_39096B_99223	scaffold29	NW_004515651.1	99223	CC	AA	AA	INTERGENIC		
SNP_39098B_100657	scaffold29	NW_004515651.1	100657	GG	AA	AA	INTERGENIC		
SNP_39099B_100738	scaffold29	NW_004515651.1	100738	AA	CC	CC	INTERGENIC		
SNP_39100B_100765	scaffold29	NW_004515651.1	100765	TT	GG	GG	INTERGENIC		
SNP_39101B_100794	scaffold29	NW_004515651.1	100794	TT	CC	CC	INTERGENIC		
SNP_39102B_101000	scaffold29	NW_004515651.1	101000	GG	CC	CC	INTERGENIC		
SNP_39103B_101142	scaffold29	NW_004515651.1	101142	TT	AA	AA	INTERGENIC		
SNP_39104B_101159	scaffold29	NW_004515651.1	101159	TT	CC	CC	INTERGENIC		
SNP_39105B_101186	scaffold29	NW_004515651.1	101186	CC	TT	TT	INTERGENIC		
SNP_39106B_101363	scaffold29	NW_004515651.1	101363	GG	AA	AA	INTERGENIC		
SNP_39107B_101381	scaffold29	NW_004515651.1	101381	TT	AA	AA	INTERGENIC		
SNP_39108B_101414	scaffold29	NW_004515651.1	101414	TT	CC	CC	INTERGENIC		
SNP_39109B_101552	scaffold29	NW_004515651.1	101552	GG	CC	CC	INTERGENIC		
SNP_39110B_101585	scaffold29	NW_004515651.1	101585	TT	AA	AA	INTERGENIC		
SNP_39111B_101642	scaffold29	NW_004515651.1	101642	TT	CC	CC	INTERGENIC		
SNP_39112B_101738	scaffold29	NW_004515651.1	101738	TT	CC	CC	INTERGENIC		
SNP_39113B_101808	scaffold29	NW_004515651.1	101808	AA	CC	CC	INTERGENIC		
SNP_39114B_101845	scaffold29	NW_004515651.1	101845	CC	TT	TT	INTERGENIC		
SNP_39115B_101866	scaffold29	NW_004515651.1	101866	TT	GG	GG	INTERGENIC		
SNP_39116B_101968	scaffold29	NW_004515651.1	101968	GG	TT	TT	INTERGENIC		
SNP_39117B_102030	scaffold29	NW_004515651.1	102030	GG	TT	TT	INTERGENIC		
SNP_39118B_102046	scaffold29	NW_004515651.1	102046	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39119B_102060	scaffold29	NW_004515651.1	102060	CC	AA	AA	INTERGENIC		
SNP_39120B_102175	scaffold29	NW_004515651.1	102175	GG	AA	AA	INTERGENIC		
SNP_39121B_102188	scaffold29	NW_004515651.1	102188	AA	GG	GG	INTERGENIC		
SNP_39122B_102281	scaffold29	NW_004515651.1	102281	GG	CC	CC	INTERGENIC		
SNP_39123B_102321	scaffold29	NW_004515651.1	102321	AA	GG	GG	INTERGENIC		
SNP_39124B_102456	scaffold29	NW_004515651.1	102456	GG	TT	TT	INTERGENIC		
SNP_39125B_102545	scaffold29	NW_004515651.1	102545	GG	AA	AA	INTERGENIC		
SNP_39126B_102549	scaffold29	NW_004515651.1	102549	AA	CC	CC	INTERGENIC		
SNP_39127B_108705	scaffold29	NW_004515651.1	108705	CC	AA	AA	INTERGENIC		
SNP_39128B_108921	scaffold29	NW_004515651.1	108921	TT	CC	CC	INTERGENIC		
SNP_39129B_108962	scaffold29	NW_004515651.1	108962	TT	AA	AA	INTERGENIC		
SNP_39130B_109240	scaffold29	NW_004515651.1	109240	GG	AA	AA	INTERGENIC		
SNP_39131B_118141	scaffold29	NW_004515651.1	118141	TT	CC	CC	INTERGENIC		
SNP_39132B_118164	scaffold29	NW_004515651.1	118164	AA	GG	GG	INTERGENIC		
SNP_39133B_120029	scaffold29	NW_004515651.1	120029	CC	TT	TT	INTERGENIC		
SNP_39134B_120040	scaffold29	NW_004515651.1	120040	TT	CC	CC	INTERGENIC		
SNP_39135B_120063	scaffold29	NW_004515651.1	120063	GG	AA	AA	INTERGENIC		
SNP_39136B_120082	scaffold29	NW_004515651.1	120082	TT	CC	CC	INTERGENIC		
SNP_39137B_120094	scaffold29	NW_004515651.1	120094	TT	CC	CC	INTERGENIC		
SNP_39138B_120258	scaffold29	NW_004515651.1	120258	TT	CC	CC	INTERGENIC		
SNP_39139B_120275	scaffold29	NW_004515651.1	120275	TT	GG	GG	INTERGENIC		
SNP_39140B_120277	scaffold29	NW_004515651.1	120277	AA	TT	TT	INTERGENIC		
SNP_39141B_120317	scaffold29	NW_004515651.1	120317	CC	AA	AA	INTERGENIC		
SNP_39142B_120407	scaffold29	NW_004515651.1	120407	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39143B_120500	scaffold29	NW_004515651.1	120500	GG	AA	AA	INTERGENIC		
SNP_39144B_120792	scaffold29	NW_004515651.1	120792	TT	GG	GG	INTERGENIC		
SNP_39145B_120801	scaffold29	NW_004515651.1	120801	TT	CC	CC	INTERGENIC		
SNP_39146B_120892	scaffold29	NW_004515651.1	120892	AA	TT	TT	INTERGENIC		
SNP_39147B_120959	scaffold29	NW_004515651.1	120959	AA	TT	TT	INTERGENIC		
SNP_39148B_121000	scaffold29	NW_004515651.1	121000	GG	TT	TT	INTERGENIC		
SNP_39149B_121859	scaffold29	NW_004515651.1	121859	GG	AA	AA	INTERGENIC		
SNP_39150B_127871	scaffold29	NW_004515651.1	127871	GG	AA	AA	INTERGENIC		
SNP_39151B_134642	scaffold29	NW_004515651.1	134642	AA	GG	GG	INTERGENIC		
SNP_39152B_134779	scaffold29	NW_004515651.1	134779	AA	TT	TT	INTERGENIC		
SNP_39153B_134810	scaffold29	NW_004515651.1	134810	TT	AA	AA	INTERGENIC		
SNP_39154B_134874	scaffold29	NW_004515651.1	134874	CC	AA	AA	INTERGENIC		
SNP_39155B_134952	scaffold29	NW_004515651.1	134952	TT	CC	CC	INTERGENIC		
SNP_39156B_134953	scaffold29	NW_004515651.1	134953	GG	AA	AA	INTERGENIC		
SNP_39157B_134958	scaffold29	NW_004515651.1	134958	CC	GG	GG	INTERGENIC		
SNP_39158B_134960	scaffold29	NW_004515651.1	134960	AA	GG	GG	INTERGENIC		
SNP_39159B_134965	scaffold29	NW_004515651.1	134965	CC	AA	AA	INTERGENIC		
SNP_39160B_135009	scaffold29	NW_004515651.1	135009	CC	AA	AA	INTERGENIC		
SNP_39161B_135027	scaffold29	NW_004515651.1	135027	TT	AA	AA	INTERGENIC		
SNP_39162B_135066	scaffold29	NW_004515651.1	135066	TT	GG	GG	INTERGENIC		
SNP_39163B_135067	scaffold29	NW_004515651.1	135067	TT	CC	CC	INTERGENIC		
SNP_39164B_135263	scaffold29	NW_004515651.1	135263	AA	GG	GG	INTERGENIC		
SNP_39165B_137620	scaffold29	NW_004515651.1	137620	TT	AA	AA	INTERGENIC		
SNP_39166B_137657	scaffold29	NW_004515651.1	137657	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39167B_137687	scaffold29	NW_004515651.1	137687	GG	AA	AA	INTERGENIC		
SNP_39168B_137764	scaffold29	NW_004515651.1	137764	CC	AA	AA	INTERGENIC		
SNP_39169B_137849	scaffold29	NW_004515651.1	137849	TT	GG	GG	INTERGENIC		
SNP_39170B_137857	scaffold29	NW_004515651.1	137857	TT	GG	GG	INTERGENIC		
SNP_39171B_137892	scaffold29	NW_004515651.1	137892	TT	CC	CC	INTERGENIC		
SNP_39172B_137933	scaffold29	NW_004515651.1	137933	CC	AA	AA	INTERGENIC		
SNP_39173B_137961	scaffold29	NW_004515651.1	137961	GG	AA	AA	INTERGENIC		
SNP_39174B_137964	scaffold29	NW_004515651.1	137964	GG	CC	CC	INTERGENIC		
SNP_39175B_137966	scaffold29	NW_004515651.1	137966	CC	GG	GG	INTERGENIC		
SNP_39176B_138001	scaffold29	NW_004515651.1	138001	GG	AA	AA	INTERGENIC		
SNP_39177B_138079	scaffold29	NW_004515651.1	138079	CC	GG	GG	INTERGENIC		
SNP_39178B_138182	scaffold29	NW_004515651.1	138182	GG	CC	CC	INTERGENIC		
SNP_39179B_138237	scaffold29	NW_004515651.1	138237	GG	AA	AA	INTERGENIC		
SNP_39180B_138344	scaffold29	NW_004515651.1	138344	CC	AA	AA	INTERGENIC		
SNP_39181B_138381	scaffold29	NW_004515651.1	138381	TT	CC	CC	INTERGENIC		
SNP_39182B_138419	scaffold29	NW_004515651.1	138419	GG	TT	TT	INTERGENIC		
SNP_39183B_138436	scaffold29	NW_004515651.1	138436	GG	AA	AA	INTERGENIC		
SNP_39184B_138437	scaffold29	NW_004515651.1	138437	AA	TT	TT	INTERGENIC		
SNP_39185B_138513	scaffold29	NW_004515651.1	138513	TT	CC	CC	INTERGENIC		
SNP_39186B_138862	scaffold29	NW_004515651.1	138862	GG	AA	AA	INTERGENIC		
SNP_39187B_144869	scaffold29	NW_004515651.1	144869	CC	TT	TT	INTERGENIC		
SNP_39188B_145033	scaffold29	NW_004515651.1	145033	TT	CC	CC	INTERGENIC		
SNP_39189B_145185	scaffold29	NW_004515651.1	145185	GG	AA	AA	INTERGENIC		
SNP_39190B_145215	scaffold29	NW_004515651.1	145215	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39191B_145230	scaffold29	NW_004515651.1	145230	AA	TT	TT	INTERGENIC		
SNP_39192B_145309	scaffold29	NW_004515651.1	145309	TT	AA	AA	INTERGENIC		
SNP_39193B_145346	scaffold29	NW_004515651.1	145346	AA	CC	CC	INTERGENIC		
SNP_39194B_145356	scaffold29	NW_004515651.1	145356	TT	GG	GG	INTERGENIC		
SNP_39195B_145366	scaffold29	NW_004515651.1	145366	TT	GG	GG	INTERGENIC		
SNP_39196B_145524	scaffold29	NW_004515651.1	145524	CC	TT	TT	INTERGENIC		
SNP_39197B_147077	scaffold29	NW_004515651.1	147077	TT	CC	CC	INTERGENIC		
SNP_39198B_147095	scaffold29	NW_004515651.1	147095	TT	GG	GG	INTERGENIC		
SNP_39199B_147118	scaffold29	NW_004515651.1	147118	CC	TT	TT	INTERGENIC		
SNP_39200B_147267	scaffold29	NW_004515651.1	147267	CC	GG	GG	INTERGENIC		
SNP_39201B_147275	scaffold29	NW_004515651.1	147275	CC	TT	TT	INTERGENIC		
SNP_39202B_147286	scaffold29	NW_004515651.1	147286	TT	AA	AA	INTERGENIC		
SNP_39203B_147369	scaffold29	NW_004515651.1	147369	TT	AA	AA	INTERGENIC		
SNP_39204B_147411	scaffold29	NW_004515651.1	147411	AA	GG	GG	INTERGENIC		
SNP_39205B_147626	scaffold29	NW_004515651.1	147626	TT	AA	AA	INTERGENIC		
SNP_39206B_147654	scaffold29	NW_004515651.1	147654	GG	AA	AA	INTERGENIC		
SNP_39207B_150807	scaffold29	NW_004515651.1	150807	AA	GG	GG	INTERGENIC		
SNP_39208B_150840	scaffold29	NW_004515651.1	150840	TT	GG	GG	INTERGENIC		
SNP_39209B_150844	scaffold29	NW_004515651.1	150844	TT	GG	GG	INTERGENIC		
SNP_39210B_150882	scaffold29	NW_004515651.1	150882	GG	AA	AA	INTERGENIC		
SNP_39211B_150898	scaffold29	NW_004515651.1	150898	GG	AA	AA	INTERGENIC		
SNP_39212B_150936	scaffold29	NW_004515651.1	150936	TT	CC	CC	INTERGENIC		
SNP_39213B_151057	scaffold29	NW_004515651.1	151057	GG	TT	TT	INTERGENIC		
SNP_39214B_151071	scaffold29	NW_004515651.1	151071	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39215B_151154	scaffold29	NW_004515651.1	151154	AA	GG	GG	INTERGENIC		
SNP_39216B_151166	scaffold29	NW_004515651.1	151166	TT	GG	GG	INTERGENIC		
SNP_39217B_162372	scaffold29	NW_004515651.1	162372	AA	GG	GG	INTERGENIC		
SNP_39219B_209417	scaffold29	NW_004515651.1	209417	AA	CC	CC	INTERGENIC		
SNP_39220B_209496	scaffold29	NW_004515651.1	209496	TT	GG	GG	INTERGENIC		
SNP_39221B_209543	scaffold29	NW_004515651.1	209543	AA	CC	CC	INTERGENIC		
SNP_39222B_209562	scaffold29	NW_004515651.1	209562	GG	AA	AA	INTERGENIC		
SNP_39223B_209571	scaffold29	NW_004515651.1	209571	AA	GG	GG	INTERGENIC		
SNP_39224B_209651	scaffold29	NW_004515651.1	209651	AA	GG	GG	INTERGENIC		
SNP_39225B_209682	scaffold29	NW_004515651.1	209682	CC	TT	TT	INTERGENIC		
SNP_39226B_209690	scaffold29	NW_004515651.1	209690	TT	GG	GG	INTERGENIC		
SNP_39227B_209711	scaffold29	NW_004515651.1	209711	AA	GG	GG	INTERGENIC		
SNP_39228B_209751	scaffold29	NW_004515651.1	209751	AA	GG	GG	INTERGENIC		
SNP_39229B_209754	scaffold29	NW_004515651.1	209754	GG	TT	TT	INTERGENIC		
SNP_39230B_209764	scaffold29	NW_004515651.1	209764	TT	CC	CC	INTERGENIC		
SNP_39231B_209946	scaffold29	NW_004515651.1	209946	CC	TT	TT	INTERGENIC		
SNP_39232B_214834	scaffold29	NW_004515651.1	214834	AA	GG	GG	INTERGENIC		
SNP_39233B_230378	scaffold29	NW_004515651.1	230378	CC	TT	TT	INTERGENIC		
SNP_39234B_230379	scaffold29	NW_004515651.1	230379	AA	GG	GG	INTERGENIC		
SNP_39235B_230732	scaffold29	NW_004515651.1	230732	GG	TT	TT	INTERGENIC		
SNP_39236B_234317	scaffold29	NW_004515651.1	234317	CC	AA	AA	INTERGENIC		
SNP_39237B_234340	scaffold29	NW_004515651.1	234340	AA	GG	GG	INTERGENIC		
SNP_39238B_234373	scaffold29	NW_004515651.1	234373	CC	TT	TT	INTERGENIC		
SNP_39239B_234374	scaffold29	NW_004515651.1	234374	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39240B_234785	scaffold29	NW_004515651.1	234785	TT	CC	CC	INTERGENIC		
SNP_39241B_238914	scaffold29	NW_004515651.1	238914	CC	TT	TT	INTERGENIC		
SNP_39242B_238929	scaffold29	NW_004515651.1	238929	TT	CC	CC	INTERGENIC		
SNP_39243B_239179	scaffold29	NW_004515651.1	239179	AA	TT	TT	INTERGENIC		
SNP_39244B_241648	scaffold29	NW_004515651.1	241648	GG	TT	TT	INTERGENIC		
SNP_39245B_242097	scaffold29	NW_004515651.1	242097	TT	AA	AA	INTERGENIC		
SNP_39246B_242313	scaffold29	NW_004515651.1	242313	CC	GG	GG	INTERGENIC		
SNP_39247B_242466	scaffold29	NW_004515651.1	242466	AA	TT	TT	INTERGENIC		
SNP_39248B_448	scaffold30	NW_004515652.1	448	TT	CC	CC	INTERGENIC		
SNP_39249B_1552	scaffold30	NW_004515652.1	1552	TT	CC	CC	INTERGENIC		
SNP_39250B_1564	scaffold30	NW_004515652.1	1564	AA	TT	TT	INTERGENIC		
SNP_39251B_1600	scaffold30	NW_004515652.1	1600	TT	CC	CC	INTERGENIC		
SNP_39252B_1828	scaffold30	NW_004515652.1	1828	TT	CC	CC	INTERGENIC		
SNP_39253B_1873	scaffold30	NW_004515652.1	1873	TT	CC	CC	INTERGENIC		
SNP_39254B_1908	scaffold30	NW_004515652.1	1908	AA	GG	GG	INTERGENIC		
SNP_39255B_1912	scaffold30	NW_004515652.1	1912	GG	AA	AA	INTERGENIC		
SNP_39256B_1921	scaffold30	NW_004515652.1	1921	AA	CC	CC	INTERGENIC		
SNP_39257B_1936	scaffold30	NW_004515652.1	1936	TT	CC	CC	INTERGENIC		
SNP_39258B_1944	scaffold30	NW_004515652.1	1944	TT	GG	GG	INTERGENIC		
SNP_39259B_1946	scaffold30	NW_004515652.1	1946	GG	AA	AA	INTERGENIC		
SNP_39260B_1957	scaffold30	NW_004515652.1	1957	CC	TT	TT	INTERGENIC		
SNP_39261B_1958	scaffold30	NW_004515652.1	1958	CC	TT	TT	INTERGENIC		
SNP_39262B_1984	scaffold30	NW_004515652.1	1984	TT	CC	CC	INTERGENIC		
SNP_39263B_1992	scaffold30	NW_004515652.1	1992	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39264B_2001	scaffold30	NW_004515652.1	2001	AA	CC	CC	INTERGENIC		
SNP_39265B_2002	scaffold30	NW_004515652.1	2002	TT	CC	CC	INTERGENIC		
SNP_39266B_2004	scaffold30	NW_004515652.1	2004	GG	CC	CC	INTERGENIC		
SNP_39267B_2032	scaffold30	NW_004515652.1	2032	CC	TT	TT	INTERGENIC		
SNP_39268B_2041	scaffold30	NW_004515652.1	2041	GG	AA	AA	INTERGENIC		
SNP_39269B_2050	scaffold30	NW_004515652.1	2050	TT	CC	CC	INTERGENIC		
SNP_39270B_2056	scaffold30	NW_004515652.1	2056	TT	AA	AA	INTERGENIC		
SNP_39271B_2064	scaffold30	NW_004515652.1	2064	TT	CC	CC	INTERGENIC		
SNP_39272B_13617	scaffold30	NW_004515652.1	13617	AA	CC	CC	INTERGENIC		
SNP_39273B_23863	scaffold30	NW_004515652.1	23863	GG	AA	AA	INTERGENIC		
SNP_39274B_23881	scaffold30	NW_004515652.1	23881	GG	AA	AA	INTERGENIC		
SNP_39275B_78359	scaffold30	NW_004515652.1	78359	AA	CC	CC	INTERGENIC		
SNP_39276B_78743	scaffold30	NW_004515652.1	78743	TT	CC	CC	INTERGENIC		
SNP_39277B_78783	scaffold30	NW_004515652.1	78783	AA	CC	CC	INTERGENIC		
SNP_39278B_78800	scaffold30	NW_004515652.1	78800	CC	AA	AA	INTERGENIC		
SNP_39279B_78992	scaffold30	NW_004515652.1	78992	TT	CC	CC	INTERGENIC		
SNP_39280B_84690	scaffold30	NW_004515652.1	84690	TT	AA	AA	INTERGENIC		
SNP_39281B_84709	scaffold30	NW_004515652.1	84709	AA	GG	GG	INTERGENIC		
SNP_39282B_84735	scaffold30	NW_004515652.1	84735	CC	TT	TT	INTERGENIC		
SNP_39283B_85753	scaffold30	NW_004515652.1	85753	CC	AA	AA	INTERGENIC		
SNP_39284B_85930	scaffold30	NW_004515652.1	85930	TT	GG	GG	INTERGENIC		
SNP_39285B_86098	scaffold30	NW_004515652.1	86098	GG	CC	CC	INTERGENIC		
SNP_39286B_86108	scaffold30	NW_004515652.1	86108	GG	CC	CC	INTERGENIC		
SNP_39288B_91886	scaffold30	NW_004515652.1	91886	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39289B_93183	scaffold30	NW_004515652.1	93183	AA	GG	GG	INTERGENIC		
SNP_39290B_93185	scaffold30	NW_004515652.1	93185	CC	AA	AA	INTERGENIC		
SNP_39291B_97646	scaffold30	NW_004515652.1	97646	CC	TT	TT	INTERGENIC		
SNP_39292B_98379	scaffold30	NW_004515652.1	98379	TT	AA	AA	INTERGENIC		
SNP_39293B_98723	scaffold30	NW_004515652.1	98723	CC	AA	AA	INTERGENIC		
SNP_39294B_98980	scaffold30	NW_004515652.1	98980	TT	AA	AA	INTERGENIC		
SNP_39295B_99021	scaffold30	NW_004515652.1	99021	CC	AA	AA	INTERGENIC		
SNP_39296B_104790	scaffold30	NW_004515652.1	104790	GG	TT	TT	INTERGENIC		
SNP_39297B_131068	scaffold30	NW_004515652.1	131068	CC	AA	AA	INTERGENIC		
SNP_39298B_131071	scaffold30	NW_004515652.1	131071	CC	AA	AA	INTERGENIC		
SNP_39299B_131072	scaffold30	NW_004515652.1	131072	CC	TT	TT	INTERGENIC		
SNP_39300B_136523	scaffold30	NW_004515652.1	136523	AA	CC	CC	INTERGENIC		
SNP_39301B_136543	scaffold30	NW_004515652.1	136543	AA	TT	TT	INTERGENIC		
SNP_39302B_136755	scaffold30	NW_004515652.1	136755	AA	TT	TT	INTERGENIC		
SNP_39303B_136757	scaffold30	NW_004515652.1	136757	TT	GG	GG	INTERGENIC		
SNP_39304B_137541	scaffold30	NW_004515652.1	137541	GG	AA	AA	INTERGENIC		
SNP_39305B_24955	scaffold36	NW_004515653.1	24955	CC	AA	AA	INTERGENIC		
SNP_39306B_119326	scaffold36	NW_004515653.1	119326	CC	TT	TT	INTERGENIC		
SNP_39307B_201474	scaffold36	NW_004515653.1	201474	AA	CC	CC	INTERGENIC		
SNP_39308B_209770	scaffold36	NW_004515653.1	209770	TT	CC	CC	INTERGENIC		
SNP_39309B_215031	scaffold36	NW_004515653.1	215031	CC	GG	GG	INTERGENIC		
SNP_39310B_221866	scaffold36	NW_004515653.1	221866	AA	GG	GG	INTERGENIC		
SNP_39311B_221882	scaffold36	NW_004515653.1	221882	CC	AA	AA	INTERGENIC		
SNP_39312B_221902	scaffold36	NW_004515653.1	221902	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39313B_221916	scaffold36	NW_004515653.1	221916	TT	CC	CC	INTERGENIC		
SNP_39314B_221929	scaffold36	NW_004515653.1	221929	TT	CC	CC	INTERGENIC		
SNP_39315B_221944	scaffold36	NW_004515653.1	221944	GG	TT	TT	INTERGENIC		
SNP_39316B_221952	scaffold36	NW_004515653.1	221952	GG	AA	AA	INTERGENIC		
SNP_39317B_221965	scaffold36	NW_004515653.1	221965	GG	AA	AA	INTERGENIC		
SNP_39318B_221966	scaffold36	NW_004515653.1	221966	GG	AA	AA	INTERGENIC		
SNP_39319B_221999	scaffold36	NW_004515653.1	221999	AA	CC	CC	INTERGENIC		
SNP_39320B_222030	scaffold36	NW_004515653.1	222030	GG	CC	CC	INTERGENIC		
SNP_39321B_222067	scaffold36	NW_004515653.1	222067	TT	GG	GG	INTERGENIC		
SNP_39322B_222327	scaffold36	NW_004515653.1	222327	CC	GG	GG	INTERGENIC		
SNP_39323B_222343	scaffold36	NW_004515653.1	222343	GG	TT	TT	INTERGENIC		
SNP_39324B_227685	scaffold36	NW_004515653.1	227685	TT	CC	CC	INTERGENIC		
SNP_39325B_227924	scaffold36	NW_004515653.1	227924	AA	CC	CC	INTERGENIC		
SNP_39326B_228037	scaffold36	NW_004515653.1	228037	AA	GG	GG	INTERGENIC		
SNP_39328B_236702	scaffold36	NW_004515653.1	236702	TT	AA	AA	INTERGENIC		
SNP_39329B_236827	scaffold36	NW_004515653.1	236827	GG	AA	AA	INTERGENIC		
SNP_39330B_241536	scaffold36	NW_004515653.1	241536	TT	AA	AA	INTERGENIC		
SNP_39331B_261237	scaffold36	NW_004515653.1	261237	AA	TT	TT	INTERGENIC		
SNP_39332B_261238	scaffold36	NW_004515653.1	261238	GG	TT	TT	INTERGENIC		
SNP_39333B_261239	scaffold36	NW_004515653.1	261239	TT	GG	GG	INTERGENIC		
SNP_39334B_308013	scaffold36	NW_004515653.1	308013	GG	TT	TT	INTERGENIC		
SNP_39335B_308369	scaffold36	NW_004515653.1	308369	AA	CC	CC	INTERGENIC		
SNP_39336B_308583	scaffold36	NW_004515653.1	308583	TT	CC	CC	INTERGENIC		
SNP_39337B_316740	scaffold36	NW_004515653.1	316740	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39338B_319867	scaffold36	NW_004515653.1	319867	AA	GG	GG	DRR	101490565	uncharacterized LOC101490565
SNP_39339B_320241	scaffold36	NW_004515653.1	320241	AA	GG	GG	DRR	101490565	uncharacterized LOC101490565
SNP_39340B_327963	scaffold36	NW_004515653.1	327963	CC	TT	TT	INTERGENIC		
SNP_39341B_330694	scaffold36	NW_004515653.1	330694	GG	AA	AA	INTERGENIC		
SNP_39342B_336215	scaffold36	NW_004515653.1	336215	GG	TT	TT	INTERGENIC		
SNP_39343B_5926	scaffold37	NW_004515654.1	5926	AA	TT	TT	INTERGENIC		
SNP_39344B_11534	scaffold37	NW_004515654.1	11534	CC	TT	TT	INTERGENIC		
SNP_39345B_15321	scaffold37	NW_004515654.1	15321	AA	TT	TT	INTERGENIC		
SNP_39346B_15355	scaffold37	NW_004515654.1	15355	AA	TT	TT	INTERGENIC		
SNP_39347B_15357	scaffold37	NW_004515654.1	15357	AA	CC	CC	INTERGENIC		
SNP_39348B_15363	scaffold37	NW_004515654.1	15363	TT	CC	CC	INTERGENIC		
SNP_39349B_15400	scaffold37	NW_004515654.1	15400	CC	TT	TT	INTERGENIC		
SNP_39350B_22324	scaffold37	NW_004515654.1	22324	GG	AA	AA	INTERGENIC		
SNP_39351B_26609	scaffold37	NW_004515654.1	26609	GG	AA	AA	INTERGENIC		
SNP_39352B_28520	scaffold37	NW_004515654.1	28520	TT	AA	AA	INTERGENIC		
SNP_39353B_75764	scaffold37	NW_004515654.1	75764	GG	TT	TT	INTERGENIC		
SNP_39354B_75859	scaffold37	NW_004515654.1	75859	CC	AA	AA	INTERGENIC		
SNP_39355B_88515	scaffold37	NW_004515654.1	88515	TT	GG	GG	INTERGENIC		
SNP_39356B_134258	scaffold37	NW_004515654.1	134258	AA	GG	GG	INTERGENIC		
SNP_39357B_134284	scaffold37	NW_004515654.1	134284	AA	CC	CC	INTERGENIC		
SNP_39358B_134470	scaffold37	NW_004515654.1	134470	GG	TT	TT	INTERGENIC		
SNP_39359B_134538	scaffold37	NW_004515654.1	134538	AA	GG	GG	INTERGENIC		
SNP_39360B_134546	scaffold37	NW_004515654.1	134546	CC	TT	TT	INTERGENIC		
SNP_39361B_134585	scaffold37	NW_004515654.1	134585	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39362B_134653	scaffold37	NW_004515654.1	134653	AA	GG	GG	INTERGENIC		
SNP_39363B_134674	scaffold37	NW_004515654.1	134674	TT	GG	GG	INTERGENIC		
SNP_39364B_134711	scaffold37	NW_004515654.1	134711	GG	AA	AA	INTERGENIC		
SNP_39365B_136199	scaffold37	NW_004515654.1	136199	AA	GG	GG	INTERGENIC		
SNP_39366B_136298	scaffold37	NW_004515654.1	136298	TT	GG	GG	INTERGENIC		
SNP_39367B_136719	scaffold37	NW_004515654.1	136719	AA	GG	GG	INTERGENIC		
SNP_39368B_136770	scaffold37	NW_004515654.1	136770	TT	GG	GG	INTERGENIC		
SNP_39369B_136785	scaffold37	NW_004515654.1	136785	TT	CC	CC	INTERGENIC		
SNP_39370B_136803	scaffold37	NW_004515654.1	136803	GG	TT	TT	INTERGENIC		
SNP_39371B_140595	scaffold37	NW_004515654.1	140595	TT	CC	CC	INTERGENIC		
SNP_39372B_8061	scaffold38	NW_004515655.1	8061	GG	TT	TT	INTERGENIC		
SNP_39373B_8137	scaffold38	NW_004515655.1	8137	CC	AA	AA	INTERGENIC		
SNP_39374B_9834	scaffold38	NW_004515655.1	9834	TT	CC	CC	INTERGENIC		
SNP_39375B_9897	scaffold38	NW_004515655.1	9897	TT	CC	CC	INTERGENIC		
SNP_39376B_18728	scaffold38	NW_004515655.1	18728	GG	AA	AA	INTERGENIC		
SNP_39377B_32841	scaffold38	NW_004515655.1	32841	AA	TT	TT	INTERGENIC		
SNP_39378B_55103	scaffold38	NW_004515655.1	55103	GG	AA	AA	INTERGENIC		
SNP_39379B_65884	scaffold38	NW_004515655.1	65884	GG	TT	TT	INTERGENIC		
SNP_39380B_70831	scaffold38	NW_004515655.1	70831	GG	AA	AA	INTERGENIC		
SNP_39381B_73796	scaffold38	NW_004515655.1	73796	AA	CC	CC	INTERGENIC		
SNP_39382B_74213	scaffold38	NW_004515655.1	74213	AA	GG	GG	INTERGENIC		
SNP_39383B_78433	scaffold38	NW_004515655.1	78433	GG	TT	TT	INTERGENIC		
SNP_39384B_78457	scaffold38	NW_004515655.1	78457	TT	CC	CC	INTERGENIC		
SNP_39385B_78490	scaffold38	NW_004515655.1	78490	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39386B_98701	scaffold38	NW_004515655.1	98701	GG	AA	AA	INTERGENIC		
SNP_39387B_120813	scaffold38	NW_004515655.1	120813	GG	TT	TT	INTERGENIC		
SNP_39388B_133426	scaffold38	NW_004515655.1	133426	AA	GG	GG	INTERGENIC		
SNP_39389B_133644	scaffold38	NW_004515655.1	133644	TT	CC	CC	INTERGENIC		
SNP_39390B_137550	scaffold38	NW_004515655.1	137550	AA	GG	GG	INTERGENIC		
SNP_39391B_141153	scaffold38	NW_004515655.1	141153	TT	CC	CC	INTERGENIC		
SNP_39392B_141484	scaffold38	NW_004515655.1	141484	AA	GG	GG	INTERGENIC		
SNP_39393B_141530	scaffold38	NW_004515655.1	141530	GG	AA	AA	INTERGENIC		
SNP_39394B_147459	scaffold38	NW_004515655.1	147459	CC	GG	GG	INTERGENIC		
SNP_39395B_147762	scaffold38	NW_004515655.1	147762	AA	GG	GG	INTERGENIC		
SNP_39396B_181689	scaffold38	NW_004515655.1	181689	CC	TT	TT	INTERGENIC		
SNP_39398B_190013	scaffold38	NW_004515655.1	190013	GG	AA	AA	INTERGENIC		
SNP_39400B_216196	scaffold38	NW_004515655.1	216196	TT	CC	CC	INTERGENIC		
SNP_39401B_235124	scaffold38	NW_004515655.1	235124	AA	GG	GG	INTERGENIC		
SNP_39403B_241209	scaffold38	NW_004515655.1	241209	AA	GG	GG	URR	101495081	bidirectional sugar transporter SWEET2-like
SNP_39405B_252156	scaffold38	NW_004515655.1	252156	AA	TT	TT	INTERGENIC		
SNP_39406B_252175	scaffold38	NW_004515655.1	252175	CC	AA	AA	INTERGENIC		
SNP_39407B_252178	scaffold38	NW_004515655.1	252178	AA	GG	GG	INTERGENIC		
SNP_39408B_252215	scaffold38	NW_004515655.1	252215	GG	AA	AA	INTERGENIC		
SNP_39410B_252360	scaffold38	NW_004515655.1	252360	AA	GG	GG	INTERGENIC		
SNP_39411B_252370	scaffold38	NW_004515655.1	252370	CC	TT	TT	INTERGENIC		
SNP_39412B_252381	scaffold38	NW_004515655.1	252381	TT	CC	CC	INTERGENIC		
SNP_39413B_264346	scaffold38	NW_004515655.1	264346	TT	AA	AA	INTERGENIC		
SNP_39414B_274726	scaffold38	NW_004515655.1	274726	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39415B_289728	scaffold38	NW_004515655.1	289728	AA	GG	GG	INTERGENIC		
SNP_39416B_290071	scaffold38	NW_004515655.1	290071	TT	CC	CC	INTERGENIC		
SNP_39417B_290146	scaffold38	NW_004515655.1	290146	TT	CC	CC	INTERGENIC		
SNP_39418B_318278	scaffold38	NW_004515655.1	318278	GG	TT	TT	INTRON	101495411	uncharacterized LOC101495411
SNP_39419B_334208	scaffold38	NW_004515655.1	334208	GG	AA	AA	INTERGENIC		
SNP_39420B_334283	scaffold38	NW_004515655.1	334283	TT	CC	CC	INTERGENIC		
SNP_39421B_335400	scaffold38	NW_004515655.1	335400	AA	GG	GG	INTERGENIC		
SNP_39422B_399510	scaffold38	NW_004515655.1	399510	CC	TT	TT	INTERGENIC		
SNP_39423B_402607	scaffold38	NW_004515655.1	402607	AA	TT	TT	INTERGENIC		
SNP_39424B_409030	scaffold38	NW_004515655.1	409030	CC	TT	TT	INTERGENIC		
SNP_39425B_411922	scaffold38	NW_004515655.1	411922	AA	GG	GG	INTERGENIC		
SNP_39426B_411941	scaffold38	NW_004515655.1	411941	TT	CC	CC	INTERGENIC		
SNP_39427B_413713	scaffold38	NW_004515655.1	413713	CC	AA	AA	INTERGENIC		
SNP_39428B_413719	scaffold38	NW_004515655.1	413719	AA	GG	GG	INTERGENIC		
SNP_39429B_413785	scaffold38	NW_004515655.1	413785	GG	AA	AA	INTERGENIC		
SNP_39431B_413837	scaffold38	NW_004515655.1	413837	TT	CC	CC	INTERGENIC		
SNP_39432B_414086	scaffold38	NW_004515655.1	414086	AA	GG	GG	INTERGENIC		
SNP_39433B_419737	scaffold38	NW_004515655.1	419737	TT	CC	CC	INTERGENIC		
SNP_39434B_421653	scaffold38	NW_004515655.1	421653	TT	CC	CC	INTERGENIC		
SNP_39435B_433968	scaffold38	NW_004515655.1	433968	GG	AA	AA	INTERGENIC		
SNP_39436B_471290	scaffold38	NW_004515655.1	471290	TT	CC	CC	URR	101491830	serine/threonine-protein kinase TIO
SNP_39437B_473867	scaffold38	NW_004515655.1	473867	GG	AA	AA	INTERGENIC		
SNP_39438B_473909	scaffold38	NW_004515655.1	473909	CC	GG	GG	INTERGENIC		
SNP_39439B_473934	scaffold38	NW_004515655.1	473934	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39441B_487822	scaffold38	NW_004515655.1	487822	TT	CC	CC	INTERGENIC		
SNP_39442B_487861	scaffold38	NW_004515655.1	487861	GG	TT	TT	INTERGENIC		
SNP_39443B_488213	scaffold38	NW_004515655.1	488213	GG	AA	AA	INTERGENIC		
SNP_39444B_488219	scaffold38	NW_004515655.1	488219	TT	CC	CC	INTERGENIC		
SNP_39445B_488220	scaffold38	NW_004515655.1	488220	CC	AA	AA	INTERGENIC		
SNP_39446B_488221	scaffold38	NW_004515655.1	488221	CC	TT	TT	INTERGENIC		
SNP_39447B_488945	scaffold38	NW_004515655.1	488945	CC	TT	TT	INTERGENIC		
SNP_39448B_488973	scaffold38	NW_004515655.1	488973	TT	CC	CC	INTERGENIC		
SNP_39449B_489218	scaffold38	NW_004515655.1	489218	TT	CC	CC	INTERGENIC		
SNP_39450B_497498	scaffold38	NW_004515655.1	497498	TT	GG	GG	INTERGENIC		
SNP_39451B_501846	scaffold38	NW_004515655.1	501846	AA	GG	GG	INTERGENIC		
SNP_39452B_504349	scaffold38	NW_004515655.1	504349	TT	CC	CC	INTERGENIC		
SNP_39453B_504366	scaffold38	NW_004515655.1	504366	AA	GG	GG	INTERGENIC		
SNP_39454B_504391	scaffold38	NW_004515655.1	504391	AA	GG	GG	INTERGENIC		
SNP_39455B_504401	scaffold38	NW_004515655.1	504401	TT	AA	AA	INTERGENIC		
SNP_39456B_504413	scaffold38	NW_004515655.1	504413	TT	GG	GG	INTERGENIC		
SNP_39457B_504417	scaffold38	NW_004515655.1	504417	CC	TT	TT	INTERGENIC		
SNP_39458B_504432	scaffold38	NW_004515655.1	504432	TT	GG	GG	INTERGENIC		
SNP_39459B_511966	scaffold38	NW_004515655.1	511966	CC	TT	TT	INTERGENIC		
SNP_39460B_524246	scaffold38	NW_004515655.1	524246	GG	AA	AA	URR	101492832	uncharacterized LOC101492832
SNP_39461B_524526	scaffold38	NW_004515655.1	524526	CC	GG	GG	NON_SYNONYMOUS_CODING	101492832	uncharacterized LOC101492832
SNP_39462B_524570	scaffold38	NW_004515655.1	524570	AA	CC	CC	NON_SYNONYMOUS_CODING	101492832	uncharacterized LOC101492832
SNP_39463B_526383	scaffold38	NW_004515655.1	526383	GG	CC	CC	URR	101492832	uncharacterized LOC101492832
SNP_39464B_535594	scaffold38	NW_004515655.1	535594	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39465B_541439	scaffold38	NW_004515655.1	541439	CC	TT	TT	INTERGENIC		
SNP_39467B_541795	scaffold38	NW_004515655.1	541795	GG	AA	AA	INTERGENIC		
SNP_39468B_541839	scaffold38	NW_004515655.1	541839	TT	CC	CC	INTERGENIC		
SNP_39469B_541844	scaffold38	NW_004515655.1	541844	CC	AA	AA	INTERGENIC		
SNP_39470B_40146	scaffold39	NW_004515656.1	40146	TT	CC	CC	INTERGENIC		
SNP_39472B_44789	scaffold39	NW_004515656.1	44789	AA	TT	TT	INTERGENIC		
SNP_39473B_415	scaffold40	NW_004515657.1	415	AA	GG	GG	INTERGENIC		
SNP_39474B_906	scaffold40	NW_004515657.1	906	TT	CC	CC	INTERGENIC		
SNP_39475B_974	scaffold40	NW_004515657.1	974	AA	GG	GG	INTERGENIC		
SNP_39476B_12380	scaffold40	NW_004515657.1	12380	AA	GG	GG	INTERGENIC		
SNP_39477B_12404	scaffold40	NW_004515657.1	12404	GG	TT	TT	INTERGENIC		
SNP_39478B_12413	scaffold40	NW_004515657.1	12413	CC	TT	TT	INTERGENIC		
SNP_39479B_12414	scaffold40	NW_004515657.1	12414	GG	TT	TT	INTERGENIC		
SNP_39480B_12418	scaffold40	NW_004515657.1	12418	GG	TT	TT	INTERGENIC		
SNP_39481B_12424	scaffold40	NW_004515657.1	12424	GG	AA	AA	INTERGENIC		
SNP_39482B_40967	scaffold40	NW_004515657.1	40967	CC	TT	TT	INTRON	101509483	uncharacterized LOC101509483
SNP_39483B_40969	scaffold40	NW_004515657.1	40969	AA	GG	GG	INTRON	101509483	uncharacterized LOC101509483
SNP_39484B_41035	scaffold40	NW_004515657.1	41035	GG	TT	TT	INTRON	101509483	uncharacterized LOC101509483
SNP_39485B_41345	scaffold40	NW_004515657.1	41345	TT	CC	CC	INTRON	101509483	uncharacterized LOC101509483
SNP_39487B_56944	scaffold40	NW_004515657.1	56944	GG	AA	AA	INTRON	101509483	uncharacterized LOC101509483
SNP_39488B_58162	scaffold40	NW_004515657.1	58162	AA	GG	GG	URR	101509483	uncharacterized LOC101509483
SNP_39489B_58915	scaffold40	NW_004515657.1	58915	AA	CC	CC	URR	101509483	uncharacterized LOC101509483
SNP_39490B_58937	scaffold40	NW_004515657.1	58937	TT	CC	CC	URR	101509483	uncharacterized LOC101509483
SNP_39491B_58986	scaffold40	NW_004515657.1	58986	CC	TT	TT	URR	101509483	uncharacterized LOC101509483

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39492B_58990	scaffold40	NW_004515657.1	58990	TT	CC	CC	URR	101509483	uncharacterized LOC101509483
SNP_39493B_58991	scaffold40	NW_004515657.1	58991	GG	TT	TT	URR	101509483	uncharacterized LOC101509483
SNP_39494B_59113	scaffold40	NW_004515657.1	59113	AA	TT	TT	URR	101509483	uncharacterized LOC101509483
SNP_39495B_59229	scaffold40	NW_004515657.1	59229	AA	GG	GG	URR	101509483	uncharacterized LOC101509483
SNP_39496B_59265	scaffold40	NW_004515657.1	59265	TT	CC	CC	URR	101509483	uncharacterized LOC101509483
SNP_39497B_59336	scaffold40	NW_004515657.1	59336	AA	GG	GG	URR	101509483	uncharacterized LOC101509483
SNP_39498B_59431	scaffold40	NW_004515657.1	59431	GG	TT	TT	INTERGENIC		
SNP_39499B_59436	scaffold40	NW_004515657.1	59436	GG	CC	CC	INTERGENIC		
SNP_39500B_59546	scaffold40	NW_004515657.1	59546	AA	TT	TT	INTERGENIC		
SNP_39501B_59570	scaffold40	NW_004515657.1	59570	CC	TT	TT	INTERGENIC		
SNP_39502B_59718	scaffold40	NW_004515657.1	59718	AA	GG	GG	INTERGENIC		
SNP_39503B_59781	scaffold40	NW_004515657.1	59781	TT	CC	CC	INTERGENIC		
SNP_39504B_76749	scaffold40	NW_004515657.1	76749	TT	CC	CC	INTERGENIC		
SNP_39505B_87849	scaffold40	NW_004515657.1	87849	GG	AA	AA	INTERGENIC		
SNP_39506B_100855	scaffold40	NW_004515657.1	100855	CC	TT	TT	INTERGENIC		
SNP_39507B_100994	scaffold40	NW_004515657.1	100994	AA	TT	TT	INTERGENIC		
SNP_39508B_101022	scaffold40	NW_004515657.1	101022	TT	CC	CC	INTERGENIC		
SNP_39509B_101046	scaffold40	NW_004515657.1	101046	TT	AA	AA	INTERGENIC		
SNP_39510B_101126	scaffold40	NW_004515657.1	101126	AA	TT	TT	INTERGENIC		
SNP_39511B_101435	scaffold40	NW_004515657.1	101435	GG	AA	AA	INTERGENIC		
SNP_39512B_101453	scaffold40	NW_004515657.1	101453	GG	CC	CC	INTERGENIC		
SNP_39513B_101477	scaffold40	NW_004515657.1	101477	AA	GG	GG	INTERGENIC		
SNP_39514B_101478	scaffold40	NW_004515657.1	101478	GG	AA	AA	INTERGENIC		
SNP_39515B_101485	scaffold40	NW_004515657.1	101485	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39516B_101487	scaffold40	NW_004515657.1	101487	AA	TT	TT	INTERGENIC		
SNP_39517B_101504	scaffold40	NW_004515657.1	101504	CC	TT	TT	INTERGENIC		
SNP_39518B_101510	scaffold40	NW_004515657.1	101510	CC	TT	TT	INTERGENIC		
SNP_39519B_101526	scaffold40	NW_004515657.1	101526	TT	AA	AA	INTERGENIC		
SNP_39520B_101545	scaffold40	NW_004515657.1	101545	GG	AA	AA	INTERGENIC		
SNP_39521B_101595	scaffold40	NW_004515657.1	101595	GG	AA	AA	INTERGENIC		
SNP_39522B_101596	scaffold40	NW_004515657.1	101596	CC	AA	AA	INTERGENIC		
SNP_39523B_101605	scaffold40	NW_004515657.1	101605	GG	AA	AA	INTERGENIC		
SNP_39524B_101663	scaffold40	NW_004515657.1	101663	TT	AA	AA	INTERGENIC		
SNP_39525B_101912	scaffold40	NW_004515657.1	101912	CC	GG	GG	INTERGENIC		
SNP_39526B_102079	scaffold40	NW_004515657.1	102079	AA	GG	GG	INTERGENIC		
SNP_39527B_108717	scaffold40	NW_004515657.1	108717	GG	AA	AA	INTERGENIC		
SNP_39528B_108934	scaffold40	NW_004515657.1	108934	TT	AA	AA	INTERGENIC		
SNP_39529B_135322	scaffold40	NW_004515657.1	135322	TT	AA	AA	INTERGENIC		
SNP_39530B_135374	scaffold40	NW_004515657.1	135374	CC	TT	TT	INTERGENIC		
SNP_39531B_135379	scaffold40	NW_004515657.1	135379	AA	CC	CC	INTERGENIC		
SNP_39532B_135484	scaffold40	NW_004515657.1	135484	TT	AA	AA	INTERGENIC		
SNP_39533B_212997	scaffold40	NW_004515657.1	212997	TT	CC	CC	INTERGENIC		
SNP_39534B_214979	scaffold40	NW_004515657.1	214979	CC	TT	TT	INTERGENIC		
SNP_39535B_229194	scaffold40	NW_004515657.1	229194	TT	GG	GG	INTERGENIC		
SNP_39536B_229262	scaffold40	NW_004515657.1	229262	GG	AA	AA	INTERGENIC		
SNP_39537B_229283	scaffold40	NW_004515657.1	229283	AA	GG	GG	INTERGENIC		
SNP_39538B_229435	scaffold40	NW_004515657.1	229435	AA	GG	GG	INTERGENIC		
SNP_39539B_229453	scaffold40	NW_004515657.1	229453	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39540B_229456	scaffold40	NW_004515657.1	229456	GG	TT	TT	INTERGENIC		
SNP_39541B_229489	scaffold40	NW_004515657.1	229489	CC	AA	AA	INTERGENIC		
SNP_39542B_229492	scaffold40	NW_004515657.1	229492	AA	TT	TT	INTERGENIC		
SNP_39543B_229525	scaffold40	NW_004515657.1	229525	AA	GG	GG	INTERGENIC		
SNP_39544B_229571	scaffold40	NW_004515657.1	229571	AA	TT	TT	INTERGENIC		
SNP_39545B_229588	scaffold40	NW_004515657.1	229588	AA	GG	GG	INTERGENIC		
SNP_39546B_229618	scaffold40	NW_004515657.1	229618	CC	TT	TT	INTERGENIC		
SNP_39547B_230630	scaffold40	NW_004515657.1	230630	GG	AA	AA	INTERGENIC		
SNP_39548B_231249	scaffold40	NW_004515657.1	231249	CC	TT	TT	INTERGENIC		
SNP_39549B_264793	scaffold40	NW_004515657.1	264793	TT	CC	CC	INTERGENIC		
SNP_39550B_330029	scaffold40	NW_004515657.1	330029	CC	AA	AA	INTERGENIC		
SNP_39551B_330047	scaffold40	NW_004515657.1	330047	GG	AA	AA	INTERGENIC		
SNP_39553B_363235	scaffold40	NW_004515657.1	363235	CC	TT	TT	INTERGENIC		
SNP_39554B_363396	scaffold40	NW_004515657.1	363396	CC	AA	AA	INTERGENIC		
SNP_39555B_363469	scaffold40	NW_004515657.1	363469	CC	TT	TT	INTERGENIC		
SNP_39556B_363494	scaffold40	NW_004515657.1	363494	CC	TT	TT	INTERGENIC		
SNP_39557B_457037	scaffold40	NW_004515657.1	457037	GG	AA	AA	DRR	101510443	cation/H(+) antiporter 4-like
SNP_39558B_457253	scaffold40	NW_004515657.1	457253	TT	CC	CC	DRR	101510443	cation/H(+) antiporter 4-like
SNP_39559B_466819	scaffold40	NW_004515657.1	466819	CC	GG	GG	STOP_GAINED	101510774	phytochromobilin:ferredoxin oxidoreductase, chloroplastic-like
SNP_39560B_467057	scaffold40	NW_004515657.1	467057	TT	CC	CC	STOP_LOST	101510774	phytochromobilin:ferredoxin oxidoreductase, chloroplastic-like
SNP_39562B_606092	scaffold40	NW_004515657.1	606092	GG	AA	AA	INTERGENIC		
SNP_39563B_648918	scaffold40	NW_004515657.1	648918	TT	CC	CC	URR	101502726	pectinesterase 1-like
SNP_39564B_651364	scaffold40	NW_004515657.1	651364	TT	GG	GG	INTERGENIC		
SNP_39565B_651700	scaffold40	NW_004515657.1	651700	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39566B_766838	scaffold40	NW_004515657.1	766838	CC	GG	GG	INTERGENIC		
SNP_39567B_800095	scaffold40	NW_004515657.1	800095	GG	TT	TT	INTERGENIC		
SNP_39568B_800100	scaffold40	NW_004515657.1	800100	GG	AA	AA	INTERGENIC		
SNP_39569B_819201	scaffold40	NW_004515657.1	819201	CC	GG	GG	INTERGENIC		
SNP_39570B_829075	scaffold40	NW_004515657.1	829075	AA	CC	CC	INTERGENIC		
SNP_39571B_845192	scaffold40	NW_004515657.1	845192	CC	TT	TT	INTRON	101504883	probable xyloglucan endotransglucosylase/hydrolase protein 28
SNP_39573B_852165	scaffold40	NW_004515657.1	852165	GG	AA	AA	INTERGENIC		
SNP_39574B_852702	scaffold40	NW_004515657.1	852702	TT	CC	CC	INTERGENIC		
SNP_39575B_855951	scaffold40	NW_004515657.1	855951	AA	GG	GG	INTERGENIC		
SNP_39576B_858801	scaffold40	NW_004515657.1	858801	AA	GG	GG	INTERGENIC		
SNP_39577B_858835	scaffold40	NW_004515657.1	858835	AA	GG	GG	INTERGENIC		
SNP_39578B_860193	scaffold40	NW_004515657.1	860193	CC	TT	TT	INTERGENIC		
SNP_39579B_860194	scaffold40	NW_004515657.1	860194	GG	AA	AA	INTERGENIC		
SNP_39580B_862705	scaffold40	NW_004515657.1	862705	GG	AA	AA	INTERGENIC		
SNP_39581B_869079	scaffold40	NW_004515657.1	869079	TT	CC	CC	INTRON	101505192	anthranilate synthase beta subunit 2, chloroplastic-like
SNP_39582B_874932	scaffold40	NW_004515657.1	874932	TT	CC	CC	INTERGENIC		
SNP_39583B_874933	scaffold40	NW_004515657.1	874933	GG	AA	AA	INTERGENIC		
SNP_39584B_874996	scaffold40	NW_004515657.1	874996	AA	GG	GG	INTERGENIC		
SNP_39585B_907491	scaffold40	NW_004515657.1	907491	TT	AA	AA	INTERGENIC		
SNP_39586B_921942	scaffold40	NW_004515657.1	921942	CC	GG	GG	INTERGENIC		
SNP_39587B_926178	scaffold40	NW_004515657.1	926178	CC	AA	AA	INTERGENIC		
SNP_39588B_926323	scaffold40	NW_004515657.1	926323	AA	GG	GG	INTERGENIC		
SNP_39589B_937079	scaffold40	NW_004515657.1	937079	GG	AA	AA	INTERGENIC		
SNP_39590B_937137	scaffold40	NW_004515657.1	937137	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39591B_937159	scaffold40	NW_004515657.1	937159	AA	GG	GG	INTERGENIC		
SNP_39592B_937407	scaffold40	NW_004515657.1	937407	TT	CC	CC	INTERGENIC		
SNP_39593B_937614	scaffold40	NW_004515657.1	937614	TT	CC	CC	INTERGENIC		
SNP_39594B_958532	scaffold40	NW_004515657.1	958532	GG	TT	TT	INTERGENIC		
SNP_39595B_961053	scaffold40	NW_004515657.1	961053	CC	GG	GG	DRR	101506495	uncharacterized LOC101506495
SNP_39596B_983045	scaffold40	NW_004515657.1	983045	TT	AA	AA	INTERGENIC		
SNP_39597B_983798	scaffold40	NW_004515657.1	983798	AA	GG	GG	INTERGENIC		
SNP_39598B_990128	scaffold40	NW_004515657.1	990128	TT	CC	CC	INTERGENIC		
SNP_39599B_990605	scaffold40	NW_004515657.1	990605	TT	AA	AA	INTERGENIC		
SNP_39600B_990655	scaffold40	NW_004515657.1	990655	GG	AA	AA	INTERGENIC		
SNP_39601B_990727	scaffold40	NW_004515657.1	990727	TT	CC	CC	INTERGENIC		
SNP_39602B_990754	scaffold40	NW_004515657.1	990754	TT	CC	CC	INTERGENIC		
SNP_39603B_1005212	scaffold40	NW_004515657.1	1005212	CC	TT	TT	INTRON	101507475	uncharacterized LOC101507475
SNP_39604B_1007710	scaffold40	NW_004515657.1	1007710	AA	TT	TT	URR	101507475	uncharacterized LOC101507475
SNP_39605B_1007719	scaffold40	NW_004515657.1	1007719	GG	AA	AA	URR	101507475	uncharacterized LOC101507475
SNP_39606B_1023465	scaffold40	NW_004515657.1	1023465	GG	AA	AA	URR	101507784	nuclear ribonuclease Z
SNP_39607B_1023472	scaffold40	NW_004515657.1	1023472	AA	GG	GG	URR	101507784	nuclear ribonuclease Z
SNP_39608B_1023929	scaffold40	NW_004515657.1	1023929	CC	TT	TT	INTERGENIC		
SNP_39609B_1024246	scaffold40	NW_004515657.1	1024246	CC	TT	TT	INTERGENIC		
SNP_39610B_1024247	scaffold40	NW_004515657.1	1024247	TT	CC	CC	INTERGENIC		
SNP_39611B_1028442	scaffold40	NW_004515657.1	1028442	GG	AA	AA	INTERGENIC		
SNP_39612B_1030439	scaffold40	NW_004515657.1	1030439	CC	TT	TT	DRR	101508310	purple acid phosphatase 17-like
SNP_39613B_1031971	scaffold40	NW_004515657.1	1031971	TT	CC	CC	INTRON	101508310	purple acid phosphatase 17-like
SNP_39614B_1033662	scaffold40	NW_004515657.1	1033662	AA	GG	GG	URR	101508310	purple acid phosphatase 17-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39615B_1043075	scaffold40	NW_004515657.1	1043075	CC	AA	AA	URR	101508627	annexin D5-like
SNP_39616B_1050979	scaffold40	NW_004515657.1	1050979	TT	GG	GG	INTRON	101508945	transcription factor DIVARICATA
SNP_39617B_1054723	scaffold40	NW_004515657.1	1054723	GG	AA	AA	INTRON	101508945	transcription factor DIVARICATA
SNP_39618B_1054766	scaffold40	NW_004515657.1	1054766	GG	AA	AA	INTRON	101508945	transcription factor DIVARICATA
SNP_39619B_1054768	scaffold40	NW_004515657.1	1054768	TT	CC	CC	INTRON	101508945	transcription factor DIVARICATA
SNP_39620B_25161	scaffold41	NW_004515658.1	25161	GG	TT	TT	INTERGENIC		
SNP_39621B_25162	scaffold41	NW_004515658.1	25162	CC	AA	AA	INTERGENIC		
SNP_39622B_25164	scaffold41	NW_004515658.1	25164	CC	TT	TT	INTERGENIC		
SNP_39623B_25182	scaffold41	NW_004515658.1	25182	TT	CC	CC	INTERGENIC		
SNP_39624B_25237	scaffold41	NW_004515658.1	25237	GG	AA	AA	INTERGENIC		
SNP_39625B_25249	scaffold41	NW_004515658.1	25249	TT	GG	GG	INTERGENIC		
SNP_39626B_25256	scaffold41	NW_004515658.1	25256	TT	CC	CC	INTERGENIC		
SNP_39627B_25260	scaffold41	NW_004515658.1	25260	TT	CC	CC	INTERGENIC		
SNP_39628B_25266	scaffold41	NW_004515658.1	25266	CC	TT	TT	INTERGENIC		
SNP_39629B_25296	scaffold41	NW_004515658.1	25296	GG	TT	TT	INTERGENIC		
SNP_39630B_25329	scaffold41	NW_004515658.1	25329	GG	AA	AA	INTERGENIC		
SNP_39631B_25555	scaffold41	NW_004515658.1	25555	GG	AA	AA	INTERGENIC		
SNP_39632B_92997	scaffold41	NW_004515658.1	92997	AA	CC	CC	INTERGENIC		
SNP_39633B_113773	scaffold41	NW_004515658.1	113773	TT	CC	CC	INTERGENIC		
SNP_39634B_113817	scaffold41	NW_004515658.1	113817	AA	GG	GG	INTERGENIC		
SNP_39635B_114018	scaffold41	NW_004515658.1	114018	AA	TT	TT	INTERGENIC		
SNP_39636B_114062	scaffold41	NW_004515658.1	114062	TT	AA	AA	INTERGENIC		
SNP_39637B_114118	scaffold41	NW_004515658.1	114118	GG	CC	CC	INTERGENIC		
SNP_39638B_114744	scaffold41	NW_004515658.1	114744	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39639B_114808	scaffold41	NW_004515658.1	114808	AA	GG	GG	INTERGENIC		
SNP_39640B_114861	scaffold41	NW_004515658.1	114861	TT	CC	CC	INTERGENIC		
SNP_39641B_116465	scaffold41	NW_004515658.1	116465	TT	GG	GG	INTERGENIC		
SNP_39642B_116543	scaffold41	NW_004515658.1	116543	AA	CC	CC	INTERGENIC		
SNP_39643B_116574	scaffold41	NW_004515658.1	116574	AA	CC	CC	INTERGENIC		
SNP_39644B_122127	scaffold41	NW_004515658.1	122127	TT	CC	CC	INTERGENIC		
SNP_39645B_122128	scaffold41	NW_004515658.1	122128	AA	GG	GG	INTERGENIC		
SNP_39646B_122189	scaffold41	NW_004515658.1	122189	TT	CC	CC	INTERGENIC		
SNP_39647B_122285	scaffold41	NW_004515658.1	122285	TT	CC	CC	INTERGENIC		
SNP_39648B_122286	scaffold41	NW_004515658.1	122286	GG	AA	AA	INTERGENIC		
SNP_39649B_122301	scaffold41	NW_004515658.1	122301	AA	GG	GG	INTERGENIC		
SNP_39650B_122302	scaffold41	NW_004515658.1	122302	TT	GG	GG	INTERGENIC		
SNP_39653B_122509	scaffold41	NW_004515658.1	122509	TT	CC	CC	INTERGENIC		
SNP_39654B_122510	scaffold41	NW_004515658.1	122510	TT	GG	GG	INTERGENIC		
SNP_39655B_122513	scaffold41	NW_004515658.1	122513	TT	CC	CC	INTERGENIC		
SNP_39656B_122527	scaffold41	NW_004515658.1	122527	TT	GG	GG	INTERGENIC		
SNP_39657B_122633	scaffold41	NW_004515658.1	122633	TT	CC	CC	INTERGENIC		
SNP_39658B_157	scaffold44	NW_004515660.1	157	AA	GG	GG	INTERGENIC		
SNP_39659B_434	scaffold44	NW_004515660.1	434	CC	TT	TT	INTERGENIC		
SNP_39660B_637	scaffold44	NW_004515660.1	637	TT	GG	GG	INTERGENIC		
SNP_39661B_27751	scaffold44	NW_004515660.1	27751	TT	AA	AA	INTERGENIC		
SNP_39662B_69191	scaffold44	NW_004515660.1	69191	CC	AA	AA	URR	101515304	uncharacterized LOC101515304
SNP_39663B_98151	scaffold44	NW_004515660.1	98151	AA	CC	CC	INTERGENIC		
SNP_39664B_127079	scaffold44	NW_004515660.1	127079	TT	GG	GG	INTRON	101488947	probable LRR receptor-like serine/threonine-protein kinase At1g53430

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39665B_127099	scaffold44	NW_004515660.1	127099	AA	GG	GG	INTRON	101488947	probable LRR receptor-like serine/threonine-protein kinase At1g53430
SNP_39666B_205973	scaffold44	NW_004515660.1	205973	CC	AA	AA	INTERGENIC		
SNP_39667B_282200	scaffold44	NW_004515660.1	282200	AA	GG	GG	INTERGENIC		
SNP_39668B_282217	scaffold44	NW_004515660.1	282217	AA	TT	TT	INTERGENIC		
SNP_39670B_900	scaffold46	NW_004515661.1	900	AA	GG	GG	INTERGENIC		
SNP_39671B_1823	scaffold46	NW_004515661.1	1823	AA	GG	GG	INTERGENIC		
SNP_39672B_3108	scaffold46	NW_004515661.1	3108	CC	TT	TT	INTERGENIC		
SNP_39673B_3190	scaffold46	NW_004515661.1	3190	AA	CC	CC	INTERGENIC		
SNP_39674B_3193	scaffold46	NW_004515661.1	3193	CC	GG	GG	INTERGENIC		
SNP_39675B_3288	scaffold46	NW_004515661.1	3288	GG	AA	AA	INTERGENIC		
SNP_39676B_3575	scaffold46	NW_004515661.1	3575	AA	CC	CC	INTERGENIC		
SNP_39677B_4423	scaffold46	NW_004515661.1	4423	AA	GG	GG	INTERGENIC		
SNP_39678B_4496	scaffold46	NW_004515661.1	4496	GG	AA	AA	INTERGENIC		
SNP_39679B_5073	scaffold46	NW_004515661.1	5073	TT	GG	GG	INTERGENIC		
SNP_39680B_5087	scaffold46	NW_004515661.1	5087	TT	AA	AA	INTERGENIC		
SNP_39681B_5178	scaffold46	NW_004515661.1	5178	AA	GG	GG	INTERGENIC		
SNP_39682B_5192	scaffold46	NW_004515661.1	5192	TT	CC	CC	INTERGENIC		
SNP_39683B_5345	scaffold46	NW_004515661.1	5345	AA	CC	CC	INTERGENIC		
SNP_39684B_5367	scaffold46	NW_004515661.1	5367	GG	TT	TT	INTERGENIC		
SNP_39685B_5424	scaffold46	NW_004515661.1	5424	CC	TT	TT	INTERGENIC		
SNP_39686B_5590	scaffold46	NW_004515661.1	5590	AA	CC	CC	INTERGENIC		
SNP_39687B_5611	scaffold46	NW_004515661.1	5611	TT	CC	CC	INTERGENIC		
SNP_39688B_5767	scaffold46	NW_004515661.1	5767	CC	TT	TT	INTERGENIC		
SNP_39689B_5832	scaffold46	NW_004515661.1	5832	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39691B_6374	scaffold46	NW_004515661.1	6374	AA	GG	GG	INTERGENIC		
SNP_39692B_6444	scaffold46	NW_004515661.1	6444	TT	CC	CC	INTERGENIC		
SNP_39693B_6459	scaffold46	NW_004515661.1	6459	AA	GG	GG	INTERGENIC		
SNP_39694B_6538	scaffold46	NW_004515661.1	6538	AA	GG	GG	INTERGENIC		
SNP_39695B_7335	scaffold46	NW_004515661.1	7335	TT	CC	CC	INTERGENIC		
SNP_39696B_7516	scaffold46	NW_004515661.1	7516	GG	CC	CC	INTERGENIC		
SNP_39697B_7713	scaffold46	NW_004515661.1	7713	TT	GG	GG	INTERGENIC		
SNP_39698B_7788	scaffold46	NW_004515661.1	7788	AA	TT	TT	INTERGENIC		
SNP_39699B_7789	scaffold46	NW_004515661.1	7789	GG	AA	AA	INTERGENIC		
SNP_39700B_7803	scaffold46	NW_004515661.1	7803	TT	GG	GG	INTERGENIC		
SNP_39701B_7815	scaffold46	NW_004515661.1	7815	CC	GG	GG	INTERGENIC		
SNP_39702B_7865	scaffold46	NW_004515661.1	7865	TT	AA	AA	INTERGENIC		
SNP_39703B_7928	scaffold46	NW_004515661.1	7928	TT	CC	CC	INTERGENIC		
SNP_39704B_7952	scaffold46	NW_004515661.1	7952	GG	CC	CC	INTERGENIC		
SNP_39705B_8033	scaffold46	NW_004515661.1	8033	AA	GG	GG	INTERGENIC		
SNP_39706B_8055	scaffold46	NW_004515661.1	8055	GG	CC	CC	INTERGENIC		
SNP_39707B_8091	scaffold46	NW_004515661.1	8091	AA	CC	CC	INTERGENIC		
SNP_39708B_8093	scaffold46	NW_004515661.1	8093	GG	TT	TT	INTERGENIC		
SNP_39709B_8193	scaffold46	NW_004515661.1	8193	GG	CC	CC	INTERGENIC		
SNP_39710B_8224	scaffold46	NW_004515661.1	8224	GG	AA	AA	INTERGENIC		
SNP_39711B_8350	scaffold46	NW_004515661.1	8350	CC	TT	TT	INTERGENIC		
SNP_39712B_8518	scaffold46	NW_004515661.1	8518	CC	GG	GG	INTERGENIC		
SNP_39713B_8557	scaffold46	NW_004515661.1	8557	AA	CC	CC	INTERGENIC		
SNP_39715B_9155	scaffold46	NW_004515661.1	9155	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39716B_14148	scaffold46	NW_004515661.1	14148	AA	CC	CC	INTERGENIC		
SNP_39717B_14149	scaffold46	NW_004515661.1	14149	CC	GG	GG	INTERGENIC		
SNP_39718B_14172	scaffold46	NW_004515661.1	14172	TT	CC	CC	INTERGENIC		
SNP_39719B_14330	scaffold46	NW_004515661.1	14330	AA	CC	CC	INTERGENIC		
SNP_39720B_14331	scaffold46	NW_004515661.1	14331	CC	AA	AA	INTERGENIC		
SNP_39721B_14442	scaffold46	NW_004515661.1	14442	TT	GG	GG	INTERGENIC		
SNP_39722B_14470	scaffold46	NW_004515661.1	14470	GG	CC	CC	INTERGENIC		
SNP_39723B_14484	scaffold46	NW_004515661.1	14484	TT	AA	AA	INTERGENIC		
SNP_39724B_14505	scaffold46	NW_004515661.1	14505	TT	AA	AA	INTERGENIC		
SNP_39725B_14643	scaffold46	NW_004515661.1	14643	AA	GG	GG	INTERGENIC		
SNP_39726B_14800	scaffold46	NW_004515661.1	14800	AA	GG	GG	INTERGENIC		
SNP_39727B_14818	scaffold46	NW_004515661.1	14818	GG	CC	CC	INTERGENIC		
SNP_39728B_14821	scaffold46	NW_004515661.1	14821	TT	AA	AA	INTERGENIC		
SNP_39729B_14891	scaffold46	NW_004515661.1	14891	GG	AA	AA	INTERGENIC		
SNP_39730B_14960	scaffold46	NW_004515661.1	14960	TT	GG	GG	INTERGENIC		
SNP_39731B_14996	scaffold46	NW_004515661.1	14996	TT	AA	AA	INTERGENIC		
SNP_39732B_15020	scaffold46	NW_004515661.1	15020	AA	GG	GG	INTERGENIC		
SNP_39733B_15063	scaffold46	NW_004515661.1	15063	TT	CC	CC	INTERGENIC		
SNP_39734B_15140	scaffold46	NW_004515661.1	15140	TT	GG	GG	INTERGENIC		
SNP_39735B_15235	scaffold46	NW_004515661.1	15235	CC	TT	TT	INTERGENIC		
SNP_39736B_15266	scaffold46	NW_004515661.1	15266	AA	CC	CC	INTERGENIC		
SNP_39737B_15458	scaffold46	NW_004515661.1	15458	GG	AA	AA	INTERGENIC		
SNP_39738B_15460	scaffold46	NW_004515661.1	15460	TT	AA	AA	INTERGENIC		
SNP_39739B_15486	scaffold46	NW_004515661.1	15486	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39740B_15598	scaffold46	NW_004515661.1	15598	TT	CC	CC	INTERGENIC		
SNP_39741B_16278	scaffold46	NW_004515661.1	16278	AA	GG	GG	INTERGENIC		
SNP_39742B_20311	scaffold46	NW_004515661.1	20311	AA	GG	GG	INTERGENIC		
SNP_39743B_20363	scaffold46	NW_004515661.1	20363	TT	CC	CC	INTERGENIC		
SNP_39744B_20497	scaffold46	NW_004515661.1	20497	GG	AA	AA	INTERGENIC		
SNP_39745B_20940	scaffold46	NW_004515661.1	20940	TT	AA	AA	INTERGENIC		
SNP_39746B_20959	scaffold46	NW_004515661.1	20959	AA	GG	GG	INTERGENIC		
SNP_39747B_20998	scaffold46	NW_004515661.1	20998	AA	CC	CC	INTERGENIC		
SNP_39748B_21069	scaffold46	NW_004515661.1	21069	GG	CC	CC	INTERGENIC		
SNP_39749B_21150	scaffold46	NW_004515661.1	21150	GG	AA	AA	INTERGENIC		
SNP_39750B_21227	scaffold46	NW_004515661.1	21227	TT	AA	AA	INTERGENIC		
SNP_39751B_21382	scaffold46	NW_004515661.1	21382	CC	AA	AA	INTERGENIC		
SNP_39752B_21437	scaffold46	NW_004515661.1	21437	AA	GG	GG	INTERGENIC		
SNP_39753B_24487	scaffold46	NW_004515661.1	24487	TT	AA	AA	INTERGENIC		
SNP_39754B_24506	scaffold46	NW_004515661.1	24506	GG	AA	AA	INTERGENIC		
SNP_39755B_24539	scaffold46	NW_004515661.1	24539	GG	AA	AA	INTERGENIC		
SNP_39756B_24545	scaffold46	NW_004515661.1	24545	GG	AA	AA	INTERGENIC		
SNP_39757B_27943	scaffold46	NW_004515661.1	27943	TT	CC	CC	INTERGENIC		
SNP_39758B_28438	scaffold46	NW_004515661.1	28438	TT	CC	CC	INTERGENIC		
SNP_39759B_32873	scaffold46	NW_004515661.1	32873	TT	CC	CC	INTERGENIC		
SNP_39760B_32917	scaffold46	NW_004515661.1	32917	GG	CC	CC	INTERGENIC		
SNP_39761B_34390	scaffold46	NW_004515661.1	34390	TT	CC	CC	INTERGENIC		
SNP_39762B_34399	scaffold46	NW_004515661.1	34399	CC	TT	TT	INTERGENIC		
SNP_39763B_34422	scaffold46	NW_004515661.1	34422	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39764B_34517	scaffold46	NW_004515661.1	34517	CC	TT	TT	INTERGENIC		
SNP_39765B_34526	scaffold46	NW_004515661.1	34526	CC	TT	TT	INTERGENIC		
SNP_39766B_34716	scaffold46	NW_004515661.1	34716	CC	TT	TT	INTERGENIC		
SNP_39767B_34717	scaffold46	NW_004515661.1	34717	AA	GG	GG	INTERGENIC		
SNP_39768B_38926	scaffold46	NW_004515661.1	38926	TT	CC	CC	INTERGENIC		
SNP_39769B_39040	scaffold46	NW_004515661.1	39040	CC	AA	AA	INTERGENIC		
SNP_39770B_39045	scaffold46	NW_004515661.1	39045	TT	CC	CC	INTERGENIC		
SNP_39771B_39438	scaffold46	NW_004515661.1	39438	CC	AA	AA	INTERGENIC		
SNP_39772B_39470	scaffold46	NW_004515661.1	39470	CC	TT	TT	INTERGENIC		
SNP_39773B_39657	scaffold46	NW_004515661.1	39657	TT	CC	CC	INTERGENIC		
SNP_39774B_39855	scaffold46	NW_004515661.1	39855	CC	GG	GG	INTERGENIC		
SNP_39775B_40004	scaffold46	NW_004515661.1	40004	TT	CC	CC	INTERGENIC		
SNP_39776B_40015	scaffold46	NW_004515661.1	40015	TT	CC	CC	INTERGENIC		
SNP_39777B_40089	scaffold46	NW_004515661.1	40089	CC	AA	AA	INTERGENIC		
SNP_39778B_40248	scaffold46	NW_004515661.1	40248	AA	GG	GG	INTERGENIC		
SNP_39780B_41094	scaffold46	NW_004515661.1	41094	TT	CC	CC	INTERGENIC		
SNP_39781B_41896	scaffold46	NW_004515661.1	41896	CC	TT	TT	INTERGENIC		
SNP_39782B_7738	scaffold48	NW_004515662.1	7738	AA	TT	TT	INTERGENIC		
SNP_39783B_11918	scaffold48	NW_004515662.1	11918	GG	AA	AA	INTERGENIC		
SNP_39785B_16081	scaffold48	NW_004515662.1	16081	CC	AA	AA	INTERGENIC		
SNP_39786B_56619	scaffold48	NW_004515662.1	56619	AA	GG	GG	INTERGENIC		
SNP_39787B_56664	scaffold48	NW_004515662.1	56664	GG	AA	AA	INTERGENIC		
SNP_39788B_56847	scaffold48	NW_004515662.1	56847	TT	GG	GG	INTERGENIC		
SNP_39790B_140913	scaffold48	NW_004515662.1	140913	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39791B_140917	scaffold48	NW_004515662.1	140917	AA	GG	GG	INTERGENIC		
SNP_39792B_140926	scaffold48	NW_004515662.1	140926	TT	CC	CC	INTERGENIC		
SNP_39793B_141081	scaffold48	NW_004515662.1	141081	TT	CC	CC	INTERGENIC		
SNP_39794B_141133	scaffold48	NW_004515662.1	141133	TT	CC	CC	INTERGENIC		
SNP_39795B_141134	scaffold48	NW_004515662.1	141134	AA	GG	GG	INTERGENIC		
SNP_39796B_326364	scaffold48	NW_004515662.1	326364	AA	CC	CC	INTERGENIC		
SNP_39797B_326387	scaffold48	NW_004515662.1	326387	TT	GG	GG	INTERGENIC		
SNP_39798B_381537	scaffold48	NW_004515662.1	381537	GG	TT	TT	INTERGENIC		
SNP_39799B_431955	scaffold48	NW_004515662.1	431955	CC	AA	AA	INTERGENIC		
SNP_39800B_2644	scaffold50	NW_004515664.1	2644	GG	AA	AA	INTERGENIC		
SNP_39801B_3533	scaffold50	NW_004515664.1	3533	CC	TT	TT	INTERGENIC		
SNP_39802B_5734	scaffold50	NW_004515664.1	5734	CC	AA	AA	INTERGENIC		
SNP_39803B_5916	scaffold50	NW_004515664.1	5916	CC	TT	TT	INTERGENIC		
SNP_39804B_5980	scaffold50	NW_004515664.1	5980	AA	GG	GG	INTERGENIC		
SNP_39805B_6106	scaffold50	NW_004515664.1	6106	CC	TT	TT	INTERGENIC		
SNP_39806B_6282	scaffold50	NW_004515664.1	6282	AA	GG	GG	INTERGENIC		
SNP_39807B_9214	scaffold50	NW_004515664.1	9214	CC	TT	TT	INTERGENIC		
SNP_39808B_9253	scaffold50	NW_004515664.1	9253	CC	TT	TT	INTERGENIC		
SNP_39809B_9510	scaffold50	NW_004515664.1	9510	AA	CC	CC	INTERGENIC		
SNP_39810B_9555	scaffold50	NW_004515664.1	9555	CC	TT	TT	INTERGENIC		
SNP_39811B_9568	scaffold50	NW_004515664.1	9568	TT	AA	AA	INTERGENIC		
SNP_39812B_10770	scaffold50	NW_004515664.1	10770	GG	AA	AA	INTERGENIC		
SNP_39813B_10776	scaffold50	NW_004515664.1	10776	GG	AA	AA	INTERGENIC		
SNP_39814B_12096	scaffold50	NW_004515664.1	12096	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39815B_12168	scaffold50	NW_004515664.1	12168	AA	GG	GG	INTERGENIC		
SNP_39816B_12222	scaffold50	NW_004515664.1	12222	GG	CC	CC	INTERGENIC		
SNP_39817B_18549	scaffold50	NW_004515664.1	18549	AA	CC	CC	INTERGENIC		
SNP_39818B_46632	scaffold50	NW_004515664.1	46632	AA	CC	CC	INTERGENIC		
SNP_39819B_46817	scaffold50	NW_004515664.1	46817	AA	TT	TT	INTERGENIC		
SNP_39820B_46875	scaffold50	NW_004515664.1	46875	AA	GG	GG	INTERGENIC		
SNP_39821B_46901	scaffold50	NW_004515664.1	46901	TT	CC	CC	INTERGENIC		
SNP_39822B_46911	scaffold50	NW_004515664.1	46911	AA	TT	TT	INTERGENIC		
SNP_39823B_84502	scaffold50	NW_004515664.1	84502	TT	CC	CC	URR	101495518	probable serine/threonine-protein kinase At5g41260
SNP_39824B_105721	scaffold50	NW_004515664.1	105721	TT	CC	CC	INTERGENIC		
SNP_39825B_161690	scaffold50	NW_004515664.1	161690	AA	GG	GG	INTERGENIC		
SNP_39827B_191709	scaffold50	NW_004515664.1	191709	AA	CC	CC	INTERGENIC		
SNP_39828B_191760	scaffold50	NW_004515664.1	191760	AA	GG	GG	INTERGENIC		
SNP_39829B_191790	scaffold50	NW_004515664.1	191790	AA	GG	GG	INTERGENIC		
SNP_39830B_191803	scaffold50	NW_004515664.1	191803	GG	AA	AA	INTERGENIC		
SNP_39832B_193609	scaffold50	NW_004515664.1	193609	TT	CC	CC	SYNONYMOUS_CODING	101500078	zinc finger MYM-type protein 1-like
SNP_39833B_194061	scaffold50	NW_004515664.1	194061	CC	AA	AA	STOP_GAINED	101500078	zinc finger MYM-type protein 1-like
SNP_39834B_195736	scaffold50	NW_004515664.1	195736	AA	GG	GG	URR	101500078	zinc finger MYM-type protein 1-like
SNP_39835B_195777	scaffold50	NW_004515664.1	195777	AA	GG	GG	URR	101500078	zinc finger MYM-type protein 1-like
SNP_39836B_195800	scaffold50	NW_004515664.1	195800	AA	GG	GG	URR	101500078	zinc finger MYM-type protein 1-like
SNP_39837B_196010	scaffold50	NW_004515664.1	196010	CC	AA	AA	URR	101500078	zinc finger MYM-type protein 1-like
SNP_39838B_196015	scaffold50	NW_004515664.1	196015	CC	AA	AA	URR	101500078	zinc finger MYM-type protein 1-like
SNP_39839B_196016	scaffold50	NW_004515664.1	196016	CC	TT	TT	URR	101500078	zinc finger MYM-type protein 1-like
SNP_39840B_196017	scaffold50	NW_004515664.1	196017	CC	GG	GG	URR	101500078	zinc finger MYM-type protein 1-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39841B_196024	scaffold50	NW_004515664.1	196024	TT	CC	CC	URR	101500078	zinc finger MYM-type protein 1-like
SNP_39842B_196026	scaffold50	NW_004515664.1	196026	TT	AA	AA	URR	101500078	zinc finger MYM-type protein 1-like
SNP_39843B_196032	scaffold50	NW_004515664.1	196032	TT	AA	AA	URR	101500078	zinc finger MYM-type protein 1-like
SNP_39846B_196127	scaffold50	NW_004515664.1	196127	GG	TT	TT	URR	101500078	zinc finger MYM-type protein 1-like
SNP_39847B_196162	scaffold50	NW_004515664.1	196162	AA	GG	GG	URR	101500078	zinc finger MYM-type protein 1-like
SNP_39848B_201610	scaffold50	NW_004515664.1	201610	AA	CC	CC	INTERGENIC		
SNP_39849B_201660	scaffold50	NW_004515664.1	201660	AA	CC	CC	INTERGENIC		
SNP_39850B_201675	scaffold50	NW_004515664.1	201675	AA	GG	GG	INTERGENIC		
SNP_39851B_201730	scaffold50	NW_004515664.1	201730	AA	GG	GG	INTERGENIC		
SNP_39852B_201754	scaffold50	NW_004515664.1	201754	AA	GG	GG	INTERGENIC		
SNP_39853B_202129	scaffold50	NW_004515664.1	202129	CC	GG	GG	INTERGENIC		
SNP_39854B_202172	scaffold50	NW_004515664.1	202172	TT	CC	CC	INTERGENIC		
SNP_39855B_202233	scaffold50	NW_004515664.1	202233	GG	CC	CC	INTERGENIC		
SNP_39859B_379062	scaffold50	NW_004515664.1	379062	GG	AA	AA	URR	101498577	Unknown function
SNP_39860B_382302	scaffold50	NW_004515664.1	382302	TT	AA	AA	INTRON	id194521	Unknown function
SNP_39861B_423452	scaffold50	NW_004515664.1	423452	CC	TT	TT	INTERGENIC		
SNP_39862B_423492	scaffold50	NW_004515664.1	423492	AA	GG	GG	INTERGENIC		
SNP_39863B_423511	scaffold50	NW_004515664.1	423511	AA	GG	GG	INTERGENIC		
SNP_39864B_436981	scaffold50	NW_004515664.1	436981	GG	AA	AA	INTERGENIC		
SNP_39865B_437010	scaffold50	NW_004515664.1	437010	AA	GG	GG	INTERGENIC		
SNP_39866B_437124	scaffold50	NW_004515664.1	437124	TT	CC	CC	INTERGENIC		
SNP_39867B_437410	scaffold50	NW_004515664.1	437410	CC	TT	TT	INTERGENIC		
SNP_39868B_464038	scaffold50	NW_004515664.1	464038	GG	AA	AA	INTERGENIC		
SNP_39869B_466542	scaffold50	NW_004515664.1	466542	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39870B_2014	scaffold53	NW_004515665.1	2014	TT	CC	CC	INTERGENIC		
SNP_39871B_2211	scaffold53	NW_004515665.1	2211	TT	AA	AA	INTERGENIC		
SNP_39872B_2225	scaffold53	NW_004515665.1	2225	TT	CC	CC	INTERGENIC		
SNP_39873B_2295	scaffold53	NW_004515665.1	2295	TT	CC	CC	INTERGENIC		
SNP_39874B_2327	scaffold53	NW_004515665.1	2327	TT	CC	CC	INTERGENIC		
SNP_39875B_104118	scaffold53	NW_004515665.1	104118	CC	AA	AA	INTERGENIC		
SNP_39876B_124864	scaffold53	NW_004515665.1	124864	TT	AA	AA	INTERGENIC		
SNP_39877B_124905	scaffold53	NW_004515665.1	124905	CC	AA	AA	INTERGENIC		
SNP_39878B_125295	scaffold53	NW_004515665.1	125295	AA	GG	GG	INTERGENIC		
SNP_39879B_125356	scaffold53	NW_004515665.1	125356	AA	CC	CC	INTERGENIC		
SNP_39880B_126857	scaffold53	NW_004515665.1	126857	AA	GG	GG	INTERGENIC		
SNP_39881B_126875	scaffold53	NW_004515665.1	126875	AA	TT	TT	INTERGENIC		
SNP_39882B_126892	scaffold53	NW_004515665.1	126892	GG	AA	AA	INTERGENIC		
SNP_39883B_126931	scaffold53	NW_004515665.1	126931	AA	TT	TT	INTERGENIC		
SNP_39884B_126946	scaffold53	NW_004515665.1	126946	AA	GG	GG	INTERGENIC		
SNP_39885B_127387	scaffold53	NW_004515665.1	127387	TT	AA	AA	INTERGENIC		
SNP_39886B_127485	scaffold53	NW_004515665.1	127485	CC	TT	TT	INTERGENIC		
SNP_39887B_127506	scaffold53	NW_004515665.1	127506	AA	GG	GG	INTERGENIC		
SNP_39888B_132274	scaffold53	NW_004515665.1	132274	CC	AA	AA	INTERGENIC		
SNP_39889B_132317	scaffold53	NW_004515665.1	132317	AA	GG	GG	INTERGENIC		
SNP_39890B_132900	scaffold53	NW_004515665.1	132900	TT	CC	CC	INTERGENIC		
SNP_39891B_134418	scaffold53	NW_004515665.1	134418	CC	TT	TT	INTERGENIC		
SNP_39892B_135738	scaffold53	NW_004515665.1	135738	AA	TT	TT	INTERGENIC		
SNP_39893B_136111	scaffold53	NW_004515665.1	136111	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39896B_433	scaffold56	NW_004515667.1	433	AA	GG	GG	INTERGENIC		
SNP_39898B_1832	scaffold56	NW_004515667.1	1832	GG	CC	CC	INTERGENIC		
SNP_39899B_2110	scaffold56	NW_004515667.1	2110	CC	TT	TT	INTERGENIC		
SNP_39900B_2230	scaffold56	NW_004515667.1	2230	TT	AA	AA	INTERGENIC		
SNP_39901B_2300	scaffold56	NW_004515667.1	2300	CC	TT	TT	INTERGENIC		
SNP_39902B_2538	scaffold56	NW_004515667.1	2538	AA	GG	GG	INTERGENIC		
SNP_39903B_2561	scaffold56	NW_004515667.1	2561	TT	CC	CC	INTERGENIC		
SNP_39904B_3396	scaffold56	NW_004515667.1	3396	TT	GG	GG	INTERGENIC		
SNP_39905B_3434	scaffold56	NW_004515667.1	3434	GG	AA	AA	INTERGENIC		
SNP_39906B_3450	scaffold56	NW_004515667.1	3450	CC	AA	AA	INTERGENIC		
SNP_39907B_3476	scaffold56	NW_004515667.1	3476	TT	AA	AA	INTERGENIC		
SNP_39908B_3490	scaffold56	NW_004515667.1	3490	CC	TT	TT	INTERGENIC		
SNP_39909B_6692	scaffold56	NW_004515667.1	6692	TT	CC	CC	INTERGENIC		
SNP_39910B_12596	scaffold56	NW_004515667.1	12596	AA	GG	GG	INTERGENIC		
SNP_39911B_9305	scaffold62	NW_004515668.1	9305	GG	AA	AA	INTERGENIC		
SNP_39912B_10501	scaffold62	NW_004515668.1	10501	AA	GG	GG	INTERGENIC		
SNP_39913B_16435	scaffold62	NW_004515668.1	16435	TT	CC	CC	INTERGENIC		
SNP_39914B_17932	scaffold62	NW_004515668.1	17932	TT	GG	GG	INTERGENIC		
SNP_39915B_18238	scaffold62	NW_004515668.1	18238	GG	TT	TT	INTERGENIC		
SNP_39916B_18245	scaffold62	NW_004515668.1	18245	GG	AA	AA	INTERGENIC		
SNP_39917B_18261	scaffold62	NW_004515668.1	18261	TT	GG	GG	INTERGENIC		
SNP_39918B_20100	scaffold62	NW_004515668.1	20100	AA	GG	GG	INTERGENIC		
SNP_39919B_20338	scaffold62	NW_004515668.1	20338	TT	AA	AA	INTERGENIC		
SNP_39921B_20776	scaffold62	NW_004515668.1	20776	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39922B_20837	scaffold62	NW_004515668.1	20837	CC	AA	AA	INTERGENIC		
SNP_39923B_45573	scaffold62	NW_004515668.1	45573	CC	TT	TT	INTERGENIC		
SNP_39924B_45674	scaffold62	NW_004515668.1	45674	CC	TT	TT	INTERGENIC		
SNP_39925B_81890	scaffold62	NW_004515668.1	81890	GG	AA	AA	INTERGENIC		
SNP_39926B_81916	scaffold62	NW_004515668.1	81916	AA	GG	GG	INTERGENIC		
SNP_39927B_95108	scaffold62	NW_004515668.1	95108	TT	GG	GG	INTERGENIC		
SNP_39928B_125675	scaffold62	NW_004515668.1	125675	GG	AA	AA	INTERGENIC		
SNP_39929B_149852	scaffold62	NW_004515668.1	149852	AA	GG	GG	INTERGENIC		
SNP_39930B_149903	scaffold62	NW_004515668.1	149903	AA	TT	TT	INTERGENIC		
SNP_39931B_150018	scaffold62	NW_004515668.1	150018	CC	TT	TT	INTERGENIC		
SNP_39932B_150064	scaffold62	NW_004515668.1	150064	CC	TT	TT	INTERGENIC		
SNP_39935B_150840	scaffold62	NW_004515668.1	150840	AA	GG	GG	INTERGENIC		
SNP_39937B_150983	scaffold62	NW_004515668.1	150983	AA	TT	TT	INTERGENIC		
SNP_39938B_150990	scaffold62	NW_004515668.1	150990	AA	GG	GG	INTERGENIC		
SNP_39939B_154059	scaffold62	NW_004515668.1	154059	GG	TT	TT	INTERGENIC		
SNP_39940B_175567	scaffold62	NW_004515668.1	175567	GG	AA	AA	INTERGENIC		
SNP_39941B_176207	scaffold62	NW_004515668.1	176207	AA	GG	GG	INTERGENIC		
SNP_39942B_186612	scaffold62	NW_004515668.1	186612	TT	AA	AA	INTERGENIC		
SNP_39943B_186613	scaffold62	NW_004515668.1	186613	GG	TT	TT	INTERGENIC		
SNP_39944B_186805	scaffold62	NW_004515668.1	186805	CC	TT	TT	INTERGENIC		
SNP_39945B_205123	scaffold62	NW_004515668.1	205123	AA	GG	GG	INTERGENIC		
SNP_39946B_205148	scaffold62	NW_004515668.1	205148	TT	CC	CC	INTERGENIC		
SNP_39947B_205151	scaffold62	NW_004515668.1	205151	TT	CC	CC	INTERGENIC		
SNP_39948B_208908	scaffold62	NW_004515668.1	208908	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39949B_208991	scaffold62	NW_004515668.1	208991	AA	GG	GG	INTERGENIC		
SNP_39950B_209240	scaffold62	NW_004515668.1	209240	CC	TT	TT	INTERGENIC		
SNP_39951B_209241	scaffold62	NW_004515668.1	209241	TT	AA	AA	INTERGENIC		
SNP_39952B_209260	scaffold62	NW_004515668.1	209260	TT	AA	AA	INTERGENIC		
SNP_39953B_209284	scaffold62	NW_004515668.1	209284	TT	GG	GG	INTERGENIC		
SNP_39954B_209312	scaffold62	NW_004515668.1	209312	AA	TT	TT	INTERGENIC		
SNP_39955B_209314	scaffold62	NW_004515668.1	209314	TT	GG	GG	INTERGENIC		
SNP_39956B_212568	scaffold62	NW_004515668.1	212568	AA	TT	TT	INTERGENIC		
SNP_39957B_212869	scaffold62	NW_004515668.1	212869	GG	AA	AA	INTERGENIC		
SNP_39958B_228289	scaffold62	NW_004515668.1	228289	TT	CC	CC	INTERGENIC		
SNP_39959B_228317	scaffold62	NW_004515668.1	228317	GG	AA	AA	INTERGENIC		
SNP_39960B_228326	scaffold62	NW_004515668.1	228326	AA	GG	GG	INTERGENIC		
SNP_39961B_228331	scaffold62	NW_004515668.1	228331	CC	TT	TT	INTERGENIC		
SNP_39962B_228345	scaffold62	NW_004515668.1	228345	GG	AA	AA	INTERGENIC		
SNP_39963B_228516	scaffold62	NW_004515668.1	228516	GG	TT	TT	INTERGENIC		
SNP_39964B_228526	scaffold62	NW_004515668.1	228526	TT	GG	GG	INTERGENIC		
SNP_39965B_228692	scaffold62	NW_004515668.1	228692	CC	TT	TT	INTERGENIC		
SNP_39966B_228693	scaffold62	NW_004515668.1	228693	AA	GG	GG	INTERGENIC		
SNP_39967B_228702	scaffold62	NW_004515668.1	228702	CC	AA	AA	INTERGENIC		
SNP_39968B_230151	scaffold62	NW_004515668.1	230151	AA	GG	GG	INTERGENIC		
SNP_39969B_230218	scaffold62	NW_004515668.1	230218	CC	TT	TT	INTERGENIC		
SNP_39970B_230219	scaffold62	NW_004515668.1	230219	AA	GG	GG	INTERGENIC		
SNP_39971B_230796	scaffold62	NW_004515668.1	230796	AA	TT	TT	INTERGENIC		
SNP_39972B_230809	scaffold62	NW_004515668.1	230809	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39973B_240823	scaffold62	NW_004515668.1	240823	TT	AA	AA	INTERGENIC		
SNP_39974B_240838	scaffold62	NW_004515668.1	240838	GG	AA	AA	INTERGENIC		
SNP_39975B_241091	scaffold62	NW_004515668.1	241091	AA	TT	TT	INTERGENIC		
SNP_39976B_241112	scaffold62	NW_004515668.1	241112	AA	GG	GG	INTERGENIC		
SNP_39977B_241140	scaffold62	NW_004515668.1	241140	CC	AA	AA	INTERGENIC		
SNP_39978B_241174	scaffold62	NW_004515668.1	241174	CC	TT	TT	INTERGENIC		
SNP_39979B_248612	scaffold62	NW_004515668.1	248612	AA	CC	CC	INTERGENIC		
SNP_39980B_248632	scaffold62	NW_004515668.1	248632	AA	TT	TT	INTERGENIC		
SNP_39981B_248700	scaffold62	NW_004515668.1	248700	GG	TT	TT	INTERGENIC		
SNP_39982B_248753	scaffold62	NW_004515668.1	248753	AA	CC	CC	INTERGENIC		
SNP_39983B_248768	scaffold62	NW_004515668.1	248768	TT	AA	AA	INTERGENIC		
SNP_39984B_248789	scaffold62	NW_004515668.1	248789	CC	GG	GG	INTERGENIC		
SNP_39985B_248805	scaffold62	NW_004515668.1	248805	TT	GG	GG	INTERGENIC		
SNP_39986B_248844	scaffold62	NW_004515668.1	248844	TT	AA	AA	INTERGENIC		
SNP_39987B_248847	scaffold62	NW_004515668.1	248847	TT	AA	AA	INTERGENIC		
SNP_39988B_248848	scaffold62	NW_004515668.1	248848	GG	CC	CC	INTERGENIC		
SNP_39989B_248849	scaffold62	NW_004515668.1	248849	TT	AA	AA	INTERGENIC		
SNP_39990B_249934	scaffold62	NW_004515668.1	249934	CC	TT	TT	INTERGENIC		
SNP_39991B_260497	scaffold62	NW_004515668.1	260497	CC	TT	TT	INTERGENIC		
SNP_39992B_260803	scaffold62	NW_004515668.1	260803	CC	AA	AA	INTERGENIC		
SNP_39993B_260830	scaffold62	NW_004515668.1	260830	TT	AA	AA	INTERGENIC		
SNP_39994B_261079	scaffold62	NW_004515668.1	261079	AA	TT	TT	INTERGENIC		
SNP_39995B_276309	scaffold62	NW_004515668.1	276309	CC	AA	AA	INTERGENIC		
SNP_39996B_279769	scaffold62	NW_004515668.1	279769	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_39997B_280709	scaffold62	NW_004515668.1	280709	GG	AA	AA	INTERGENIC		
SNP_39998B_283642	scaffold62	NW_004515668.1	283642	AA	CC	CC	INTERGENIC		
SNP_39999B_283650	scaffold62	NW_004515668.1	283650	AA	TT	TT	INTERGENIC		
SNP_40000B_283780	scaffold62	NW_004515668.1	283780	CC	TT	TT	INTERGENIC		
SNP_40001B_283784	scaffold62	NW_004515668.1	283784	TT	AA	AA	INTERGENIC		
SNP_40002B_283801	scaffold62	NW_004515668.1	283801	AA	GG	GG	INTERGENIC		
SNP_40004B_284049	scaffold62	NW_004515668.1	284049	CC	TT	TT	INTERGENIC		
SNP_40005B_284160	scaffold62	NW_004515668.1	284160	GG	AA	AA	INTERGENIC		
SNP_40006B_327063	scaffold62	NW_004515668.1	327063	AA	CC	CC	INTERGENIC		
SNP_40007B_327077	scaffold62	NW_004515668.1	327077	CC	TT	TT	INTERGENIC		
SNP_40008B_333366	scaffold62	NW_004515668.1	333366	GG	TT	TT	INTERGENIC		
SNP_40010B_344829	scaffold62	NW_004515668.1	344829	CC	TT	TT	INTERGENIC		
SNP_40011B_5540	scaffold63	NW_004515669.1	5540	TT	AA	AA	INTERGENIC		
SNP_40012B_5775	scaffold63	NW_004515669.1	5775	GG	AA	AA	INTERGENIC		
SNP_40013B_6824	scaffold63	NW_004515669.1	6824	AA	GG	GG	INTERGENIC		
SNP_40014B_6838	scaffold63	NW_004515669.1	6838	TT	CC	CC	INTERGENIC		
SNP_40015B_16810	scaffold63	NW_004515669.1	16810	GG	TT	TT	INTERGENIC		
SNP_40016B_20660	scaffold63	NW_004515669.1	20660	GG	AA	AA	DRR	101502832	Unknown function
SNP_40017B_20877	scaffold63	NW_004515669.1	20877	TT	GG	GG	NON_SYNONYMOUS_CODING	101502832	Unknown function
SNP_40018B_20880	scaffold63	NW_004515669.1	20880	TT	AA	AA	NON_SYNONYMOUS_CODING	101502832	Unknown function
SNP_40019B_20905	scaffold63	NW_004515669.1	20905	GG	CC	CC	NON_SYNONYMOUS_CODING	101502832	Unknown function
SNP_40020B_21024	scaffold63	NW_004515669.1	21024	AA	GG	GG	NON_SYNONYMOUS_CODING	101502832	Unknown function
SNP_40021B_21080	scaffold63	NW_004515669.1	21080	GG	TT	TT	NON_SYNONYMOUS_CODING	101502832	Unknown function
SNP_40022B_21212	scaffold63	NW_004515669.1	21212	GG	TT	TT	NON_SYNONYMOUS_CODING	101502832	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40023B_21257	scaffold63	NW_004515669.1	21257	GG	AA	AA	SYNONYMOUS_CODING	101502832	Unknown function
SNP_40024B_21300	scaffold63	NW_004515669.1	21300	TT	GG	GG	NON_SYNONYMOUS_CODING	101502832	Unknown function
SNP_40025B_21326	scaffold63	NW_004515669.1	21326	AA	GG	GG	SYNONYMOUS_CODING	101502832	Unknown function
SNP_40026B_21330	scaffold63	NW_004515669.1	21330	AA	GG	GG	NON_SYNONYMOUS_CODING	101502832	Unknown function
SNP_40027B_21735	scaffold63	NW_004515669.1	21735	AA	GG	GG	INTRON	101502832	Unknown function
SNP_40028B_23008	scaffold63	NW_004515669.1	23008	CC	TT	TT	INTRON	101502832	Unknown function
SNP_40029B_23027	scaffold63	NW_004515669.1	23027	AA	GG	GG	INTRON	101502832	Unknown function
SNP_40030B_23057	scaffold63	NW_004515669.1	23057	AA	GG	GG	URR	101502832	Unknown function
SNP_40031B_23211	scaffold63	NW_004515669.1	23211	CC	TT	TT	URR	101502832	Unknown function
SNP_40032B_26333	scaffold63	NW_004515669.1	26333	CC	AA	AA	INTERGENIC		
SNP_40033B_36288	scaffold63	NW_004515669.1	36288	TT	AA	AA	INTERGENIC		
SNP_40034B_36307	scaffold63	NW_004515669.1	36307	TT	AA	AA	INTERGENIC		
SNP_40035B_41886	scaffold63	NW_004515669.1	41886	TT	CC	CC	INTERGENIC		
SNP_40036B_41911	scaffold63	NW_004515669.1	41911	AA	GG	GG	INTERGENIC		
SNP_40037B_52193	scaffold63	NW_004515669.1	52193	AA	GG	GG	INTERGENIC		
SNP_40038B_52210	scaffold63	NW_004515669.1	52210	GG	AA	AA	INTERGENIC		
SNP_40039B_55002	scaffold63	NW_004515669.1	55002	TT	GG	GG	INTERGENIC		
SNP_40041B_59350	scaffold63	NW_004515669.1	59350	AA	TT	TT	INTERGENIC		
SNP_40042B_59395	scaffold63	NW_004515669.1	59395	TT	AA	AA	INTERGENIC		
SNP_40043B_59448	scaffold63	NW_004515669.1	59448	AA	TT	TT	INTERGENIC		
SNP_40044B_59672	scaffold63	NW_004515669.1	59672	TT	CC	CC	INTERGENIC		
SNP_40045B_63733	scaffold63	NW_004515669.1	63733	GG	AA	AA	INTERGENIC		
SNP_40046B_64178	scaffold63	NW_004515669.1	64178	GG	TT	TT	INTERGENIC		
SNP_40047B_64540	scaffold63	NW_004515669.1	64540	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40048B_21009	scaffold71	NW_004515671.1	21009	TT	CC	CC	URR	101503365	uncharacterized LOC101503365
SNP_40049B_21012	scaffold71	NW_004515671.1	21012	CC	GG	GG	URR	101503365	uncharacterized LOC101503365
SNP_40050B_21024	scaffold71	NW_004515671.1	21024	GG	TT	TT	URR	101503365	uncharacterized LOC101503365
SNP_40051B_21044	scaffold71	NW_004515671.1	21044	CC	GG	GG	URR	101503365	uncharacterized LOC101503365
SNP_40052B_21144	scaffold71	NW_004515671.1	21144	TT	CC	CC	URR	101503365	uncharacterized LOC101503365
SNP_40053B_21150	scaffold71	NW_004515671.1	21150	AA	GG	GG	URR	101503365	uncharacterized LOC101503365
SNP_40054B_21270	scaffold71	NW_004515671.1	21270	TT	CC	CC	URR	101503365	uncharacterized LOC101503365
SNP_40055B_21458	scaffold71	NW_004515671.1	21458	AA	CC	CC	URR	101503365	uncharacterized LOC101503365
SNP_40056B_21459	scaffold71	NW_004515671.1	21459	TT	AA	AA	URR	101503365	uncharacterized LOC101503365
SNP_40058B_43446	scaffold71	NW_004515671.1	43446	CC	TT	TT	URR	101503153	uncharacterized LOC101503153
SNP_40059B_52235	scaffold71	NW_004515671.1	52235	CC	GG	GG	INTERGENIC		
SNP_40060B_8635	scaffold72	NW_004515672.1	8635	AA	CC	CC	SYNONYMOUS_CODING	101504995	uncharacterized LOC101504995
SNP_40061B_8662	scaffold72	NW_004515672.1	8662	AA	GG	GG	SYNONYMOUS_CODING	101504995	uncharacterized LOC101504995
SNP_40062B_9832	scaffold72	NW_004515672.1	9832	GG	AA	AA	NON_SYNONYMOUS_CODING	101504995	uncharacterized LOC101504995
SNP_40063B_15250	scaffold72	NW_004515672.1	15250	GG	TT	TT	INTERGENIC		
SNP_40064B_15386	scaffold72	NW_004515672.1	15386	AA	CC	CC	INTERGENIC		
SNP_40065B_902	scaffold74	NW_004515674.1	902	GG	CC	CC	INTERGENIC		
SNP_40066B_18030	scaffold74	NW_004515674.1	18030	TT	AA	AA	INTERGENIC		
SNP_40067B_19983	scaffold74	NW_004515674.1	19983	AA	GG	GG	INTERGENIC		
SNP_40068B_30194	scaffold74	NW_004515674.1	30194	AA	GG	GG	INTERGENIC		
SNP_40069B_34550	scaffold74	NW_004515674.1	34550	GG	AA	AA	INTERGENIC		
SNP_40070B_55387	scaffold74	NW_004515674.1	55387	AA	GG	GG	INTERGENIC		
SNP_40071B_66292	scaffold74	NW_004515674.1	66292	CC	AA	AA	INTERGENIC		
SNP_40072B_66297	scaffold74	NW_004515674.1	66297	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40073B_66300	scaffold74	NW_004515674.1	66300	GG	TT	TT	INTERGENIC		
SNP_40074B_66301	scaffold74	NW_004515674.1	66301	TT	CC	CC	INTERGENIC		
SNP_40075B_66307	scaffold74	NW_004515674.1	66307	CC	GG	GG	INTERGENIC		
SNP_40076B_66310	scaffold74	NW_004515674.1	66310	GG	TT	TT	INTERGENIC		
SNP_40077B_66314	scaffold74	NW_004515674.1	66314	AA	TT	TT	INTERGENIC		
SNP_40078B_68927	scaffold74	NW_004515674.1	68927	TT	AA	AA	INTERGENIC		
SNP_40079B_72264	scaffold74	NW_004515674.1	72264	AA	CC	CC	INTERGENIC		
SNP_40080B_72269	scaffold74	NW_004515674.1	72269	TT	CC	CC	INTERGENIC		
SNP_40081B_72272	scaffold74	NW_004515674.1	72272	TT	AA	AA	INTERGENIC		
SNP_40082B_72273	scaffold74	NW_004515674.1	72273	CC	TT	TT	INTERGENIC		
SNP_40083B_72279	scaffold74	NW_004515674.1	72279	GG	TT	TT	INTERGENIC		
SNP_40084B_72280	scaffold74	NW_004515674.1	72280	AA	GG	GG	INTERGENIC		
SNP_40085B_95604	scaffold74	NW_004515674.1	95604	AA	TT	TT	INTERGENIC		
SNP_40086B_64	scaffold76	NW_004515675.1	64	TT	CC	CC	INTERGENIC		
SNP_40088B_56186	scaffold80	NW_004515676.1	56186	TT	CC	CC	INTERGENIC		
SNP_40089B_56617	scaffold80	NW_004515676.1	56617	CC	TT	TT	INTERGENIC		
SNP_40090B_56668	scaffold80	NW_004515676.1	56668	TT	GG	GG	INTERGENIC		
SNP_40091B_56708	scaffold80	NW_004515676.1	56708	AA	CC	CC	INTERGENIC		
SNP_40092B_56758	scaffold80	NW_004515676.1	56758	TT	CC	CC	INTERGENIC		
SNP_40093B_56850	scaffold80	NW_004515676.1	56850	TT	GG	GG	INTERGENIC		
SNP_40094B_90178	scaffold80	NW_004515676.1	90178	AA	CC	CC	INTERGENIC		
SNP_40095B_90207	scaffold80	NW_004515676.1	90207	AA	GG	GG	INTERGENIC		
SNP_40096B_90234	scaffold80	NW_004515676.1	90234	TT	GG	AA	INTERGENIC		
SNP_40097B_101664	scaffold80	NW_004515676.1	101664	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40098B_101869	scaffold80	NW_004515676.1	101869	CC	TT	TT	INTERGENIC		
SNP_40099B_101895	scaffold80	NW_004515676.1	101895	CC	GG	GG	INTERGENIC		
SNP_40100B_125465	scaffold80	NW_004515676.1	125465	TT	AA	AA	INTERGENIC		
SNP_40101B_134445	scaffold80	NW_004515676.1	134445	GG	TT	TT	INTERGENIC		
SNP_40102B_134458	scaffold80	NW_004515676.1	134458	CC	TT	TT	INTERGENIC		
SNP_40103B_144212	scaffold80	NW_004515676.1	144212	AA	TT	TT	INTERGENIC		
SNP_40104B_144426	scaffold80	NW_004515676.1	144426	AA	GG	GG	INTERGENIC		
SNP_40105B_144466	scaffold80	NW_004515676.1	144466	CC	TT	TT	INTERGENIC		
SNP_40106B_150705	scaffold80	NW_004515676.1	150705	TT	GG	GG	INTERGENIC		
SNP_40107B_150774	scaffold80	NW_004515676.1	150774	TT	CC	CC	INTERGENIC		
SNP_40108B_150908	scaffold80	NW_004515676.1	150908	AA	GG	GG	INTERGENIC		
SNP_40109B_151382	scaffold80	NW_004515676.1	151382	TT	CC	CC	INTERGENIC		
SNP_40110B_173329	scaffold80	NW_004515676.1	173329	TT	AA	AA	INTERGENIC		
SNP_40112B_273140	scaffold80	NW_004515676.1	273140	AA	GG	GG	INTERGENIC		
SNP_40113B_273519	scaffold80	NW_004515676.1	273519	AA	GG	GG	INTERGENIC		
SNP_40114B_332274	scaffold80	NW_004515676.1	332274	GG	AA	AA	INTRON	101506712	uncharacterized LOC101506712
SNP_40115B_332302	scaffold80	NW_004515676.1	332302	AA	GG	GG	INTRON	101506712	uncharacterized LOC101506712
SNP_40116B_346244	scaffold80	NW_004515676.1	346244	AA	GG	GG	INTERGENIC		
SNP_40117B_350766	scaffold80	NW_004515676.1	350766	AA	GG	GG	INTERGENIC		
SNP_40118B_354107	scaffold80	NW_004515676.1	354107	TT	CC	CC	INTERGENIC		
SNP_40119B_354121	scaffold80	NW_004515676.1	354121	TT	CC	CC	INTERGENIC		
SNP_40120B_357546	scaffold80	NW_004515676.1	357546	TT	GG	GG	INTERGENIC		
SNP_40121B_358227	scaffold80	NW_004515676.1	358227	CC	AA	AA	INTERGENIC		
SNP_40122B_358229	scaffold80	NW_004515676.1	358229	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40123B_359517	scaffold80	NW_004515676.1	359517	CC	TT	TT	INTERGENIC		
SNP_40124B_364567	scaffold80	NW_004515676.1	364567	AA	GG	GG	INTERGENIC		
SNP_40125B_364583	scaffold80	NW_004515676.1	364583	GG	AA	AA	INTERGENIC		
SNP_40126B_364594	scaffold80	NW_004515676.1	364594	AA	TT	TT	INTERGENIC		
SNP_40127B_365349	scaffold80	NW_004515676.1	365349	GG	TT	TT	INTERGENIC		
SNP_40128B_382495	scaffold80	NW_004515676.1	382495	TT	CC	CC	INTERGENIC		
SNP_40129B_382498	scaffold80	NW_004515676.1	382498	AA	CC	CC	INTERGENIC		
SNP_40130B_382521	scaffold80	NW_004515676.1	382521	TT	CC	CC	INTERGENIC		
SNP_40131B_396387	scaffold80	NW_004515676.1	396387	TT	AA	AA	INTERGENIC		
SNP_40132B_429866	scaffold80	NW_004515676.1	429866	GG	AA	AA	INTRON	101507045	mediator of RNA polymerase II transcription subunit 25
SNP_40133B_90451	scaffold81	NW_004515677.1	90451	AA	GG	GG	INTERGENIC		
SNP_40134B_90456	scaffold81	NW_004515677.1	90456	CC	TT	TT	INTERGENIC		
SNP_40135B_90513	scaffold81	NW_004515677.1	90513	CC	AA	AA	INTERGENIC		
SNP_40136B_90615	scaffold81	NW_004515677.1	90615	CC	TT	TT	INTERGENIC		
SNP_40137B_90700	scaffold81	NW_004515677.1	90700	GG	AA	AA	INTERGENIC		
SNP_40138B_91219	scaffold81	NW_004515677.1	91219	AA	TT	TT	INTERGENIC		
SNP_40139B_91305	scaffold81	NW_004515677.1	91305	AA	GG	GG	INTERGENIC		
SNP_40140B_91314	scaffold81	NW_004515677.1	91314	GG	TT	TT	INTERGENIC		
SNP_40141B_91326	scaffold81	NW_004515677.1	91326	TT	AA	AA	INTERGENIC		
SNP_40142B_91338	scaffold81	NW_004515677.1	91338	CC	AA	AA	INTERGENIC		
SNP_40143B_91356	scaffold81	NW_004515677.1	91356	CC	TT	TT	INTERGENIC		
SNP_40145B_91424	scaffold81	NW_004515677.1	91424	GG	CC	CC	INTERGENIC		
SNP_40146B_91446	scaffold81	NW_004515677.1	91446	GG	AA	AA	INTERGENIC		
SNP_40147B_91448	scaffold81	NW_004515677.1	91448	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40148B_91469	scaffold81	NW_004515677.1	91469	GG	CC	CC	INTERGENIC		
SNP_40149B_91499	scaffold81	NW_004515677.1	91499	TT	CC	CC	INTERGENIC		
SNP_40150B_91502	scaffold81	NW_004515677.1	91502	AA	TT	TT	INTERGENIC		
SNP_40151B_91513	scaffold81	NW_004515677.1	91513	AA	GG	GG	INTERGENIC		
SNP_40152B_91524	scaffold81	NW_004515677.1	91524	GG	AA	AA	INTERGENIC		
SNP_40153B_91561	scaffold81	NW_004515677.1	91561	GG	AA	AA	INTERGENIC		
SNP_40154B_91602	scaffold81	NW_004515677.1	91602	AA	CC	CC	INTERGENIC		
SNP_40155B_91603	scaffold81	NW_004515677.1	91603	CC	AA	AA	INTERGENIC		
SNP_40156B_91643	scaffold81	NW_004515677.1	91643	GG	AA	AA	INTERGENIC		
SNP_40157B_91665	scaffold81	NW_004515677.1	91665	AA	GG	GG	INTERGENIC		
SNP_40158B_91773	scaffold81	NW_004515677.1	91773	AA	TT	TT	INTERGENIC		
SNP_40159B_91778	scaffold81	NW_004515677.1	91778	GG	CC	CC	INTERGENIC		
SNP_40161B_91866	scaffold81	NW_004515677.1	91866	CC	TT	TT	INTERGENIC		
SNP_40162B_91928	scaffold81	NW_004515677.1	91928	AA	GG	GG	INTERGENIC		
SNP_40163B_91931	scaffold81	NW_004515677.1	91931	AA	TT	TT	INTERGENIC		
SNP_40164B_92003	scaffold81	NW_004515677.1	92003	AA	TT	TT	INTERGENIC		
SNP_40165B_92010	scaffold81	NW_004515677.1	92010	TT	AA	AA	INTERGENIC		
SNP_40166B_92017	scaffold81	NW_004515677.1	92017	AA	GG	GG	INTERGENIC		
SNP_40167B_92033	scaffold81	NW_004515677.1	92033	AA	TT	TT	INTERGENIC		
SNP_40168B_646	scaffold84	NW_004515680.1	646	GG	AA	AA	INTERGENIC		
SNP_40169B_26100	scaffold86	NW_004515681.1	26100	GG	TT	TT	INTERGENIC		
SNP_40170B_26101	scaffold86	NW_004515681.1	26101	GG	AA	AA	INTERGENIC		
SNP_40171B_26107	scaffold86	NW_004515681.1	26107	AA	TT	TT	INTERGENIC		
SNP_40172B_26115	scaffold86	NW_004515681.1	26115	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40173B_48524	scaffold86	NW_004515681.1	48524	AA	CC	CC	INTERGENIC		
SNP_40174B_9071	scaffold87	NW_004515682.1	9071	AA	GG	GG	INTERGENIC		
SNP_40175B_9216	scaffold87	NW_004515682.1	9216	CC	AA	AA	INTERGENIC		
SNP_40176B_9424	scaffold87	NW_004515682.1	9424	TT	CC	CC	INTERGENIC		
SNP_40177B_9456	scaffold87	NW_004515682.1	9456	AA	GG	GG	INTERGENIC		
SNP_40178B_9472	scaffold87	NW_004515682.1	9472	GG	CC	CC	INTERGENIC		
SNP_40179B_79112	scaffold87	NW_004515682.1	79112	GG	CC	CC	INTERGENIC		
SNP_40180B_118025	scaffold87	NW_004515682.1	118025	TT	GG	GG	INTERGENIC		
SNP_40181B_118030	scaffold87	NW_004515682.1	118030	CC	TT	TT	INTERGENIC		
SNP_40182B_118111	scaffold87	NW_004515682.1	118111	TT	AA	AA	INTERGENIC		
SNP_40183B_118123	scaffold87	NW_004515682.1	118123	TT	AA	CC	INTERGENIC		
SNP_40184B_118196	scaffold87	NW_004515682.1	118196	GG	AA	AA	INTERGENIC		
SNP_40185B_118265	scaffold87	NW_004515682.1	118265	CC	TT	TT	INTERGENIC		
SNP_40186B_120906	scaffold87	NW_004515682.1	120906	AA	GG	GG	INTERGENIC		
SNP_40187B_149115	scaffold87	NW_004515682.1	149115	AA	GG	GG	INTERGENIC		
SNP_40188B_149153	scaffold87	NW_004515682.1	149153	AA	TT	TT	INTERGENIC		
SNP_40190B_158760	scaffold87	NW_004515682.1	158760	CC	GG	GG	INTERGENIC		
SNP_40191B_158811	scaffold87	NW_004515682.1	158811	GG	AA	AA	INTERGENIC		
SNP_40192B_158828	scaffold87	NW_004515682.1	158828	GG	AA	AA	INTERGENIC		
SNP_40193B_158934	scaffold87	NW_004515682.1	158934	TT	CC	CC	INTERGENIC		
SNP_40195B_306847	scaffold87	NW_004515682.1	306847	AA	GG	GG	INTERGENIC		
SNP_40196B_306863	scaffold87	NW_004515682.1	306863	AA	GG	GG	INTERGENIC		
SNP_40197B_306899	scaffold87	NW_004515682.1	306899	AA	GG	GG	INTERGENIC		
SNP_40198B_310489	scaffold87	NW_004515682.1	310489	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40199B_346889	scaffold87	NW_004515682.1	346889	AA	TT	TT	INTERGENIC		
SNP_40200B_435172	scaffold87	NW_004515682.1	435172	TT	AA	AA	INTERGENIC		
SNP_40201B_435203	scaffold87	NW_004515682.1	435203	GG	AA	AA	INTERGENIC		
SNP_40202B_445415	scaffold87	NW_004515682.1	445415	AA	GG	GG	INTRON	101488264	uncharacterized LOC101488264
SNP_40203B_445431	scaffold87	NW_004515682.1	445431	GG	CC	CC	INTRON	101488264	uncharacterized LOC101488264
SNP_40204B_461931	scaffold87	NW_004515682.1	461931	AA	CC	CC	INTRON	101488264	uncharacterized LOC101488264
SNP_40205B_462277	scaffold87	NW_004515682.1	462277	CC	GG	GG	INTRON	101488264	uncharacterized LOC101488264
SNP_40206B_468733	scaffold87	NW_004515682.1	468733	TT	CC	CC	INTRON	101488264	uncharacterized LOC101488264
SNP_40207B_468922	scaffold87	NW_004515682.1	468922	CC	TT	TT	INTRON	101488264	uncharacterized LOC101488264
SNP_40208B_469100	scaffold87	NW_004515682.1	469100	GG	AA	AA	INTRON	101488264	uncharacterized LOC101488264
SNP_40209B_469134	scaffold87	NW_004515682.1	469134	TT	GG	GG	INTRON	101488264	uncharacterized LOC101488264
SNP_40210B_471501	scaffold87	NW_004515682.1	471501	AA	GG	GG	INTRON	101488264	uncharacterized LOC101488264
SNP_40211B_503752	scaffold87	NW_004515682.1	503752	TT	CC	CC	INTRON	101488264	uncharacterized LOC101488264
SNP_40213B_538418	scaffold87	NW_004515682.1	538418	TT	CC	CC	INTRON	101488264	uncharacterized LOC101488264
SNP_40214B_538921	scaffold87	NW_004515682.1	538921	GG	AA	AA	INTRON	101488264	uncharacterized LOC101488264
SNP_40215B_593817	scaffold87	NW_004515682.1	593817	GG	AA	AA	INTERGENIC		
SNP_40216B_593837	scaffold87	NW_004515682.1	593837	CC	AA	AA	INTERGENIC		
SNP_40217B_593858	scaffold87	NW_004515682.1	593858	GG	AA	AA	INTERGENIC		
SNP_40218B_594167	scaffold87	NW_004515682.1	594167	GG	TT	TT	INTERGENIC		
SNP_40219B_595285	scaffold87	NW_004515682.1	595285	AA	GG	GG	INTERGENIC		
SNP_40220B_595291	scaffold87	NW_004515682.1	595291	CC	TT	TT	INTERGENIC		
SNP_40221B_595350	scaffold87	NW_004515682.1	595350	AA	GG	GG	INTERGENIC		
SNP_40222B_595542	scaffold87	NW_004515682.1	595542	TT	AA	AA	INTERGENIC		
SNP_40223B_595591	scaffold87	NW_004515682.1	595591	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40224B_595592	scaffold87	NW_004515682.1	595592	TT	AA	AA	INTERGENIC		
SNP_40225B_595614	scaffold87	NW_004515682.1	595614	TT	CC	CC	INTERGENIC		
SNP_40226B_595921	scaffold87	NW_004515682.1	595921	GG	AA	AA	INTERGENIC		
SNP_40227B_596042	scaffold87	NW_004515682.1	596042	GG	AA	AA	INTERGENIC		
SNP_40228B_596043	scaffold87	NW_004515682.1	596043	TT	CC	CC	INTERGENIC		
SNP_40229B_596044	scaffold87	NW_004515682.1	596044	TT	CC	CC	INTERGENIC		
SNP_40230B_596981	scaffold87	NW_004515682.1	596981	GG	AA	AA	INTERGENIC		
SNP_40231B_598090	scaffold87	NW_004515682.1	598090	GG	TT	TT	INTERGENIC		
SNP_40232B_598166	scaffold87	NW_004515682.1	598166	TT	CC	CC	INTERGENIC		
SNP_40233B_598308	scaffold87	NW_004515682.1	598308	GG	CC	CC	INTERGENIC		
SNP_40234B_598355	scaffold87	NW_004515682.1	598355	AA	TT	TT	INTERGENIC		
SNP_40235B_598388	scaffold87	NW_004515682.1	598388	CC	TT	TT	INTERGENIC		
SNP_40236B_598481	scaffold87	NW_004515682.1	598481	TT	CC	CC	INTERGENIC		
SNP_40237B_86085	scaffold88	NW_004515683.1	86085	TT	AA	AA	INTERGENIC		
SNP_40238B_86177	scaffold88	NW_004515683.1	86177	TT	CC	CC	INTERGENIC		
SNP_40240B_133845	scaffold88	NW_004515683.1	133845	GG	TT	TT	INTERGENIC		
SNP_40241B_134229	scaffold88	NW_004515683.1	134229	TT	GG	GG	INTERGENIC		
SNP_40242B_134316	scaffold88	NW_004515683.1	134316	AA	GG	GG	INTERGENIC		
SNP_40243B_165264	scaffold88	NW_004515683.1	165264	CC	TT	TT	INTERGENIC		
SNP_40244B_246989	scaffold88	NW_004515683.1	246989	TT	CC	CC	INTERGENIC		
SNP_40245B_6576	scaffold89	NW_004515684.1	6576	GG	AA	AA	INTRON	101501454	uncharacterized LOC101501454
SNP_40246B_6586	scaffold89	NW_004515684.1	6586	AA	GG	GG	INTRON	101501454	uncharacterized LOC101501454
SNP_40247B_13174	scaffold89	NW_004515684.1	13174	CC	AA	AA	INTRON	101501454	uncharacterized LOC101501454
SNP_40248B_13220	scaffold89	NW_004515684.1	13220	GG	AA	AA	INTRON	101501454	uncharacterized LOC101501454

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40249B_13223	scaffold89	NW_004515684.1	13223	AA	TT	TT	INTRON	101501454	uncharacterized LOC101501454
SNP_40250B_13487	scaffold89	NW_004515684.1	13487	AA	CC	CC	INTRON	101501454	uncharacterized LOC101501454
SNP_40251B_13505	scaffold89	NW_004515684.1	13505	AA	GG	GG	INTRON	101501454	uncharacterized LOC101501454
SNP_40252B_13562	scaffold89	NW_004515684.1	13562	TT	CC	CC	NON_SYNONYMOUS_CODING	101501454	uncharacterized LOC101501454
SNP_40253B_13609	scaffold89	NW_004515684.1	13609	TT	GG	GG	NON_SYNONYMOUS_CODING	101501454	uncharacterized LOC101501454
SNP_40254B_23117	scaffold89	NW_004515684.1	23117	AA	GG	GG	INTERGENIC		
SNP_40255B_23562	scaffold89	NW_004515684.1	23562	TT	CC	CC	INTERGENIC		
SNP_40256B_24052	scaffold89	NW_004515684.1	24052	GG	AA	AA	INTERGENIC		
SNP_40257B_24148	scaffold89	NW_004515684.1	24148	CC	TT	TT	INTERGENIC		
SNP_40258B_93755	scaffold89	NW_004515684.1	93755	GG	AA	AA	INTERGENIC		
SNP_40259B_95122	scaffold89	NW_004515684.1	95122	AA	GG	GG	INTERGENIC		
SNP_40260B_140148	scaffold89	NW_004515684.1	140148	TT	CC	CC	INTERGENIC		
SNP_40261B_147022	scaffold89	NW_004515684.1	147022	TT	AA	AA	INTERGENIC		
SNP_40262B_169043	scaffold89	NW_004515684.1	169043	AA	GG	GG	INTERGENIC		
SNP_40263B_169458	scaffold89	NW_004515684.1	169458	TT	AA	AA	INTERGENIC		
SNP_40265B_221464	scaffold89	NW_004515684.1	221464	AA	CC	CC	INTERGENIC		
SNP_40266B_221465	scaffold89	NW_004515684.1	221465	TT	AA	AA	INTERGENIC		
SNP_40267B_221478	scaffold89	NW_004515684.1	221478	AA	GG	GG	INTERGENIC		
SNP_40268B_221483	scaffold89	NW_004515684.1	221483	TT	CC	CC	INTERGENIC		
SNP_40269B_221799	scaffold89	NW_004515684.1	221799	AA	GG	GG	INTERGENIC		
SNP_40270B_221813	scaffold89	NW_004515684.1	221813	CC	TT	TT	INTERGENIC		
SNP_40271B_221854	scaffold89	NW_004515684.1	221854	TT	CC	CC	INTERGENIC		
SNP_40272B_221870	scaffold89	NW_004515684.1	221870	AA	GG	GG	INTERGENIC		
SNP_40273B_221904	scaffold89	NW_004515684.1	221904	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40274B_221981	scaffold89	NW_004515684.1	221981	TT	CC	CC	INTERGENIC		
SNP_40275B_222013	scaffold89	NW_004515684.1	222013	TT	CC	CC	INTERGENIC		
SNP_40276B_222312	scaffold89	NW_004515684.1	222312	CC	TT	TT	INTERGENIC		
SNP_40277B_3432	scaffold92	NW_004515685.1	3432	TT	CC	CC	INTERGENIC		
SNP_40278B_3720	scaffold92	NW_004515685.1	3720	CC	TT	TT	INTERGENIC		
SNP_40279B_4093	scaffold92	NW_004515685.1	4093	TT	CC	CC	INTERGENIC		
SNP_40280B_4495	scaffold92	NW_004515685.1	4495	AA	GG	GG	INTERGENIC		
SNP_40281B_28367	scaffold92	NW_004515685.1	28367	AA	GG	GG	INTERGENIC		
SNP_40282B_28770	scaffold92	NW_004515685.1	28770	AA	TT	TT	INTERGENIC		
SNP_40283B_28865	scaffold92	NW_004515685.1	28865	GG	AA	AA	INTERGENIC		
SNP_40284B_28921	scaffold92	NW_004515685.1	28921	AA	TT	TT	INTERGENIC		
SNP_40285B_28935	scaffold92	NW_004515685.1	28935	TT	AA	AA	INTERGENIC		
SNP_40286B_28944	scaffold92	NW_004515685.1	28944	GG	AA	AA	INTERGENIC		
SNP_40287B_28960	scaffold92	NW_004515685.1	28960	AA	CC	CC	INTERGENIC		
SNP_40288B_29205	scaffold92	NW_004515685.1	29205	CC	TT	TT	INTERGENIC		
SNP_40289B_29219	scaffold92	NW_004515685.1	29219	GG	AA	AA	INTERGENIC		
SNP_40290B_29347	scaffold92	NW_004515685.1	29347	TT	AA	AA	INTERGENIC		
SNP_40291B_31342	scaffold92	NW_004515685.1	31342	AA	TT	TT	INTERGENIC		
SNP_40292B_31344	scaffold92	NW_004515685.1	31344	AA	CC	CC	INTERGENIC		
SNP_40293B_31617	scaffold92	NW_004515685.1	31617	AA	CC	CC	INTERGENIC		
SNP_40294B_31628	scaffold92	NW_004515685.1	31628	TT	AA	AA	INTERGENIC		
SNP_40295B_33967	scaffold92	NW_004515685.1	33967	CC	TT	TT	INTERGENIC		
SNP_40296B_34779	scaffold92	NW_004515685.1	34779	GG	CC	CC	INTERGENIC		
SNP_40297B_34794	scaffold92	NW_004515685.1	34794	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40298B_34919	scaffold92	NW_004515685.1	34919	TT	CC	CC	INTERGENIC		
SNP_40299B_34943	scaffold92	NW_004515685.1	34943	TT	CC	CC	INTERGENIC		
SNP_40300B_34975	scaffold92	NW_004515685.1	34975	AA	GG	GG	INTERGENIC		
SNP_40301B_34979	scaffold92	NW_004515685.1	34979	GG	CC	CC	INTERGENIC		
SNP_40302B_35106	scaffold92	NW_004515685.1	35106	CC	TT	TT	INTERGENIC		
SNP_40303B_35149	scaffold92	NW_004515685.1	35149	AA	GG	GG	INTERGENIC		
SNP_40304B_35151	scaffold92	NW_004515685.1	35151	AA	GG	GG	INTERGENIC		
SNP_40305B_35417	scaffold92	NW_004515685.1	35417	TT	GG	GG	INTERGENIC		
SNP_40306B_41462	scaffold92	NW_004515685.1	41462	TT	CC	CC	INTERGENIC		
SNP_40307B_44767	scaffold92	NW_004515685.1	44767	TT	GG	GG	INTERGENIC		
SNP_40308B_44775	scaffold92	NW_004515685.1	44775	CC	TT	TT	INTERGENIC		
SNP_40309B_44875	scaffold92	NW_004515685.1	44875	GG	AA	AA	INTERGENIC		
SNP_40310B_44884	scaffold92	NW_004515685.1	44884	CC	TT	TT	INTERGENIC		
SNP_40311B_45106	scaffold92	NW_004515685.1	45106	TT	AA	AA	INTERGENIC		
SNP_40313B_49894	scaffold92	NW_004515685.1	49894	GG	AA	AA	INTERGENIC		
SNP_40314B_49900	scaffold92	NW_004515685.1	49900	CC	TT	TT	INTERGENIC		
SNP_40315B_49906	scaffold92	NW_004515685.1	49906	CC	AA	AA	INTERGENIC		
SNP_40316B_69142	scaffold92	NW_004515685.1	69142	TT	CC	CC	INTERGENIC		
SNP_40317B_69169	scaffold92	NW_004515685.1	69169	AA	CC	CC	INTERGENIC		
SNP_40318B_69170	scaffold92	NW_004515685.1	69170	AA	CC	CC	INTERGENIC		
SNP_40319B_69174	scaffold92	NW_004515685.1	69174	CC	GG	GG	INTERGENIC		
SNP_40320B_69179	scaffold92	NW_004515685.1	69179	CC	TT	TT	INTERGENIC		
SNP_40321B_85493	scaffold92	NW_004515685.1	85493	AA	TT	TT	INTERGENIC		
SNP_40322B_85740	scaffold92	NW_004515685.1	85740	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40323B_89077	scaffold92	NW_004515685.1	89077	GG	TT	TT	INTERGENIC		
SNP_40324B_92416	scaffold92	NW_004515685.1	92416	AA	CC	CC	INTERGENIC		
SNP_40325B_92471	scaffold92	NW_004515685.1	92471	TT	GG	GG	INTERGENIC		
SNP_40326B_108910	scaffold92	NW_004515685.1	108910	AA	TT	TT	INTERGENIC		
SNP_40327B_109255	scaffold92	NW_004515685.1	109255	CC	TT	TT	INTERGENIC		
SNP_40328B_109482	scaffold92	NW_004515685.1	109482	TT	CC	CC	INTERGENIC		
SNP_40329B_109841	scaffold92	NW_004515685.1	109841	GG	CC	CC	INTERGENIC		
SNP_40330B_109993	scaffold92	NW_004515685.1	109993	TT	CC	CC	INTERGENIC		
SNP_40331B_110101	scaffold92	NW_004515685.1	110101	CC	TT	TT	INTERGENIC		
SNP_40332B_7687	scaffold93	NW_004515686.1	7687	GG	TT	TT	INTERGENIC		
SNP_40333B_7721	scaffold93	NW_004515686.1	7721	GG	AA	AA	INTERGENIC		
SNP_40334B_8360	scaffold93	NW_004515686.1	8360	AA	GG	GG	INTERGENIC		
SNP_40335B_9276	scaffold93	NW_004515686.1	9276	GG	TT	TT	INTERGENIC		
SNP_40336B_9363	scaffold93	NW_004515686.1	9363	AA	TT	TT	INTERGENIC		
SNP_40337B_9382	scaffold93	NW_004515686.1	9382	TT	GG	GG	INTERGENIC		
SNP_40338B_9457	scaffold93	NW_004515686.1	9457	AA	GG	GG	INTERGENIC		
SNP_40339B_9643	scaffold93	NW_004515686.1	9643	TT	CC	CC	INTERGENIC		
SNP_40340B_9699	scaffold93	NW_004515686.1	9699	AA	CC	CC	INTERGENIC		
SNP_40341B_9708	scaffold93	NW_004515686.1	9708	CC	TT	TT	INTERGENIC		
SNP_40342B_27351	scaffold93	NW_004515686.1	27351	CC	TT	TT	INTERGENIC		
SNP_40343B_38601	scaffold93	NW_004515686.1	38601	GG	AA	AA	INTERGENIC		
SNP_40344B_46774	scaffold93	NW_004515686.1	46774	TT	GG	GG	INTERGENIC		
SNP_40345B_46796	scaffold93	NW_004515686.1	46796	AA	GG	GG	INTERGENIC		
SNP_40346B_46884	scaffold93	NW_004515686.1	46884	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40347B_46895	scaffold93	NW_004515686.1	46895	TT	AA	AA	INTERGENIC		
SNP_40348B_46902	scaffold93	NW_004515686.1	46902	TT	CC	CC	INTERGENIC		
SNP_40349B_46930	scaffold93	NW_004515686.1	46930	AA	CC	CC	INTERGENIC		
SNP_40350B_46946	scaffold93	NW_004515686.1	46946	CC	TT	TT	INTERGENIC		
SNP_40351B_47465	scaffold93	NW_004515686.1	47465	TT	CC	CC	INTERGENIC		
SNP_40352B_63497	scaffold93	NW_004515686.1	63497	AA	CC	CC	INTERGENIC		
SNP_40353B_63499	scaffold93	NW_004515686.1	63499	TT	GG	GG	INTERGENIC		
SNP_40354B_94557	scaffold93	NW_004515686.1	94557	TT	AA	AA	INTERGENIC		
SNP_40355B_97175	scaffold93	NW_004515686.1	97175	TT	CC	CC	INTERGENIC		
SNP_40356B_97193	scaffold93	NW_004515686.1	97193	AA	TT	TT	INTERGENIC		
SNP_40357B_97293	scaffold93	NW_004515686.1	97293	TT	CC	CC	INTERGENIC		
SNP_40358B_132665	scaffold93	NW_004515686.1	132665	AA	CC	CC	INTERGENIC		
SNP_40359B_132680	scaffold93	NW_004515686.1	132680	AA	TT	TT	INTERGENIC		
SNP_40360B_132692	scaffold93	NW_004515686.1	132692	GG	TT	TT	INTERGENIC		
SNP_40361B_140813	scaffold93	NW_004515686.1	140813	TT	CC	CC	INTERGENIC		
SNP_40362B_140886	scaffold93	NW_004515686.1	140886	AA	GG	GG	INTERGENIC		
SNP_40364B_141174	scaffold93	NW_004515686.1	141174	CC	TT	TT	INTERGENIC		
SNP_40365B_141258	scaffold93	NW_004515686.1	141258	AA	GG	GG	INTERGENIC		
SNP_40366B_153621	scaffold93	NW_004515686.1	153621	TT	CC	CC	INTERGENIC		
SNP_40367B_153897	scaffold93	NW_004515686.1	153897	TT	CC	CC	INTERGENIC		
SNP_40368B_180662	scaffold93	NW_004515686.1	180662	AA	CC	CC	INTERGENIC		
SNP_40369B_180685	scaffold93	NW_004515686.1	180685	TT	CC	CC	INTERGENIC		
SNP_40370B_192487	scaffold93	NW_004515686.1	192487	GG	AA	AA	INTERGENIC		
SNP_40371B_213132	scaffold93	NW_004515686.1	213132	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40372B_264352	scaffold93	NW_004515686.1	264352	CC	TT	TT	INTERGENIC		
SNP_40373B_296277	scaffold93	NW_004515686.1	296277	GG	AA	AA	INTERGENIC		
SNP_40374B_296320	scaffold93	NW_004515686.1	296320	TT	CC	CC	INTERGENIC		
SNP_40375B_296322	scaffold93	NW_004515686.1	296322	GG	AA	AA	INTERGENIC		
SNP_40376B_296561	scaffold93	NW_004515686.1	296561	CC	TT	TT	INTERGENIC		
SNP_40377B_296596	scaffold93	NW_004515686.1	296596	TT	GG	GG	INTERGENIC		
SNP_40378B_296671	scaffold93	NW_004515686.1	296671	TT	CC	CC	INTERGENIC		
SNP_40379B_296679	scaffold93	NW_004515686.1	296679	GG	AA	AA	INTERGENIC		
SNP_40380B_296720	scaffold93	NW_004515686.1	296720	TT	GG	GG	INTERGENIC		
SNP_40381B_305867	scaffold93	NW_004515686.1	305867	TT	CC	CC	INTERGENIC		
SNP_40382B_337779	scaffold93	NW_004515686.1	337779	GG	AA	AA	INTRON	101505642	crossover junction endonuclease MUS81
SNP_40383B_337851	scaffold93	NW_004515686.1	337851	TT	CC	CC	INTRON	101505642	crossover junction endonuclease MUS81
SNP_40384B_337889	scaffold93	NW_004515686.1	337889	TT	CC	CC	INTRON	101505642	crossover junction endonuclease MUS81
SNP_40385B_337925	scaffold93	NW_004515686.1	337925	TT	CC	CC	INTRON	101505642	crossover junction endonuclease MUS81
SNP_40387B_338043	scaffold93	NW_004515686.1	338043	AA	CC	CC	INTRON	101505642	crossover junction endonuclease MUS81
SNP_40388B_338127	scaffold93	NW_004515686.1	338127	CC	GG	GG	INTRON	101505642	crossover junction endonuclease MUS81
SNP_40389B_338135	scaffold93	NW_004515686.1	338135	GG	TT	TT	INTRON	101505642	crossover junction endonuclease MUS81
SNP_40390B_338224	scaffold93	NW_004515686.1	338224	AA	GG	GG	INTRON	101505642	crossover junction endonuclease MUS81
SNP_40391B_338408	scaffold93	NW_004515686.1	338408	GG	AA	AA	INTRON	101505642	crossover junction endonuclease MUS81
SNP_40392B_356048	scaffold93	NW_004515686.1	356048	CC	GG	GG	INTERGENIC		
SNP_40393B_362879	scaffold93	NW_004515686.1	362879	AA	GG	GG	INTERGENIC		
SNP_40394B_483448	scaffold93	NW_004515686.1	483448	TT	GG	GG	INTERGENIC		
SNP_40395B_483455	scaffold93	NW_004515686.1	483455	GG	AA	AA	INTERGENIC		
SNP_40396B_483613	scaffold93	NW_004515686.1	483613	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40397B_483653	scaffold93	NW_004515686.1	483653	TT	CC	CC	INTERGENIC		
SNP_40398B_483661	scaffold93	NW_004515686.1	483661	AA	GG	GG	INTERGENIC		
SNP_40399B_483787	scaffold93	NW_004515686.1	483787	CC	TT	TT	INTERGENIC		
SNP_40400B_499075	scaffold93	NW_004515686.1	499075	TT	CC	CC	INTERGENIC		
SNP_40401B_503470	scaffold93	NW_004515686.1	503470	TT	CC	CC	INTERGENIC		
SNP_40402B_503529	scaffold93	NW_004515686.1	503529	AA	GG	GG	INTERGENIC		
SNP_40404B_503540	scaffold93	NW_004515686.1	503540	AA	CC	CC	INTERGENIC		
SNP_40405B_503547	scaffold93	NW_004515686.1	503547	AA	GG	GG	INTERGENIC		
SNP_40406B_503550	scaffold93	NW_004515686.1	503550	GG	CC	CC	INTERGENIC		
SNP_40407B_503556	scaffold93	NW_004515686.1	503556	GG	TT	TT	INTERGENIC		
SNP_40408B_503562	scaffold93	NW_004515686.1	503562	AA	TT	TT	INTERGENIC		
SNP_40409B_503566	scaffold93	NW_004515686.1	503566	TT	GG	GG	INTERGENIC		
SNP_40410B_515504	scaffold93	NW_004515686.1	515504	TT	CC	CC	URR	101513345	Unknown function
SNP_40411B_572673	scaffold93	NW_004515686.1	572673	CC	TT	TT	DRR	101509055	uncharacterized LOC101509055
SNP_40412B_572803	scaffold93	NW_004515686.1	572803	CC	AA	AA	URR	101508738	uncharacterized LOC101508738
SNP_40413B_572872	scaffold93	NW_004515686.1	572872	AA	TT	TT	URR	101508738	uncharacterized LOC101508738
SNP_40414B_573062	scaffold93	NW_004515686.1	573062	TT	CC	CC	URR	101508738	uncharacterized LOC101508738
SNP_40415B_573063	scaffold93	NW_004515686.1	573063	GG	AA	AA	URR	101508738	uncharacterized LOC101508738
SNP_40416B_573273	scaffold93	NW_004515686.1	573273	CC	TT	TT	URR	101508738	uncharacterized LOC101508738
SNP_40418B_573301	scaffold93	NW_004515686.1	573301	CC	AA	AA	URR	101508738	uncharacterized LOC101508738
SNP_40419B_573472	scaffold93	NW_004515686.1	573472	GG	CC	CC	URR	101508738	uncharacterized LOC101508738
SNP_40420B_574270	scaffold93	NW_004515686.1	574270	CC	TT	TT	DRR	101514653	uncharacterized LOC101514653
SNP_40421B_625732	scaffold93	NW_004515686.1	625732	CC	TT	TT	INTERGENIC		
SNP_40422B_640186	scaffold93	NW_004515686.1	640186	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40424B_662868	scaffold93	NW_004515686.1	662868	AA	CC	CC	URR	101514981	uncharacterized LOC101514981
SNP_40425B_663130	scaffold93	NW_004515686.1	663130	TT	CC	CC	URR	101514981	uncharacterized LOC101514981
SNP_40426B_663182	scaffold93	NW_004515686.1	663182	CC	AA	AA	URR	101514981	uncharacterized LOC101514981
SNP_40427B_663197	scaffold93	NW_004515686.1	663197	TT	AA	AA	URR	101514981	uncharacterized LOC101514981
SNP_40428B_2334	scaffold96	NW_004515687.1	2334	TT	CC	CC	INTERGENIC		
SNP_40429B_3781	scaffold96	NW_004515687.1	3781	GG	AA	AA	INTERGENIC		
SNP_40430B_3804	scaffold96	NW_004515687.1	3804	GG	AA	AA	INTERGENIC		
SNP_40431B_6155	scaffold96	NW_004515687.1	6155	CC	TT	TT	INTERGENIC		
SNP_40432B_100497	scaffold96	NW_004515687.1	100497	CC	TT	TT	INTRON	101490890	uncharacterized LOC101490890
SNP_40433B_107062	scaffold96	NW_004515687.1	107062	TT	CC	CC	INTRON	101490890	uncharacterized LOC101490890
SNP_40434B_159487	scaffold96	NW_004515687.1	159487	GG	AA	AA	INTERGENIC		
SNP_40435B_159950	scaffold96	NW_004515687.1	159950	GG	AA	AA	INTERGENIC		
SNP_40436B_160043	scaffold96	NW_004515687.1	160043	TT	GG	GG	INTERGENIC		
SNP_40437B_160069	scaffold96	NW_004515687.1	160069	TT	GG	GG	INTERGENIC		
SNP_40438B_169381	scaffold96	NW_004515687.1	169381	TT	CC	CC	INTERGENIC		
SNP_40439B_170942	scaffold96	NW_004515687.1	170942	TT	CC	CC	INTERGENIC		
SNP_40440B_180943	scaffold96	NW_004515687.1	180943	GG	AA	AA	INTERGENIC		
SNP_40441B_180952	scaffold96	NW_004515687.1	180952	TT	AA	AA	INTERGENIC		
SNP_40442B_180961	scaffold96	NW_004515687.1	180961	AA	CC	CC	INTERGENIC		
SNP_40443B_181031	scaffold96	NW_004515687.1	181031	TT	AA	AA	INTERGENIC		
SNP_40444B_229898	scaffold96	NW_004515687.1	229898	CC	AA	AA	INTERGENIC		
SNP_40445B_282460	scaffold96	NW_004515687.1	282460	CC	AA	AA	NON_SYNONYMOUS_CODING	101489703	eukaryotic translation initiation factor 2D
SNP_40446B_316524	scaffold96	NW_004515687.1	316524	CC	TT	TT	INTRON	101493166	uncharacterized LOC101493166
SNP_40447B_316537	scaffold96	NW_004515687.1	316537	CC	GG	GG	INTRON	101493166	uncharacterized LOC101493166

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40448B_316562	scaffold96	NW_004515687.1	316562	CC	TT	TT	INTRON	101493166	uncharacterized LOC101493166
SNP_40450B_316637	scaffold96	NW_004515687.1	316637	CC	TT	TT	INTRON	101493166	uncharacterized LOC101493166
SNP_40451B_341485	scaffold96	NW_004515687.1	341485	AA	CC	CC	INTERGENIC		
SNP_40452B_13937	scaffold98	NW_004515688.1	13937	GG	AA	AA	INTERGENIC		
SNP_40453B_14611	scaffold98	NW_004515688.1	14611	AA	TT	TT	INTERGENIC		
SNP_40454B_14619	scaffold98	NW_004515688.1	14619	TT	CC	CC	INTERGENIC		
SNP_40455B_89115	scaffold98	NW_004515688.1	89115	AA	TT	TT	INTERGENIC		
SNP_40456B_89134	scaffold98	NW_004515688.1	89134	TT	CC	CC	INTERGENIC		
SNP_40457B_108017	scaffold98	NW_004515688.1	108017	GG	TT	TT	INTERGENIC		
SNP_40458B_109957	scaffold98	NW_004515688.1	109957	TT	CC	CC	INTERGENIC		
SNP_40459B_109966	scaffold98	NW_004515688.1	109966	TT	CC	CC	INTERGENIC		
SNP_40460B_162958	scaffold98	NW_004515688.1	162958	CC	TT	TT	INTERGENIC		
SNP_40461B_270824	scaffold98	NW_004515688.1	270824	AA	GG	GG	INTERGENIC		
SNP_40462B_271201	scaffold98	NW_004515688.1	271201	AA	GG	GG	INTERGENIC		
SNP_40463B_271225	scaffold98	NW_004515688.1	271225	CC	TT	TT	INTERGENIC		
SNP_40464B_277329	scaffold98	NW_004515688.1	277329	TT	CC	CC	INTERGENIC		
SNP_40465B_296374	scaffold98	NW_004515688.1	296374	AA	GG	GG	INTERGENIC		
SNP_40466B_312466	scaffold98	NW_004515688.1	312466	AA	TT	TT	INTERGENIC		
SNP_40467B_335065	scaffold98	NW_004515688.1	335065	GG	AA	AA	INTERGENIC		
SNP_40468B_524460	scaffold98	NW_004515688.1	524460	AA	GG	GG	DRR	101501456	uncharacterized LOC101501456
SNP_40469B_524662	scaffold98	NW_004515688.1	524662	AA	CC	CC	URR	101501149	serine/threonine-protein phosphatase 7 long form homolog
SNP_40470B_5747	scaffold99	NW_004515689.1	5747	CC	TT	TT	INTERGENIC		
SNP_40471B_5782	scaffold99	NW_004515689.1	5782	CC	AA	AA	INTERGENIC		
SNP_40472B_11772	scaffold99	NW_004515689.1	11772	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40473B_11773	scaffold99	NW_004515689.1	11773	GG	CC	CC	INTERGENIC		
SNP_40474B_11801	scaffold99	NW_004515689.1	11801	GG	TT	TT	INTERGENIC		
SNP_40475B_51556	scaffold99	NW_004515689.1	51556	CC	TT	TT	INTERGENIC		
SNP_40476B_69634	scaffold99	NW_004515689.1	69634	AA	CC	CC	INTERGENIC		
SNP_40478B_109298	scaffold99	NW_004515689.1	109298	CC	TT	TT	INTERGENIC		
SNP_40479B_110486	scaffold99	NW_004515689.1	110486	AA	TT	TT	INTERGENIC		
SNP_40480B_111825	scaffold99	NW_004515689.1	111825	GG	AA	AA	INTERGENIC		
SNP_40481B_132395	scaffold99	NW_004515689.1	132395	GG	AA	AA	INTERGENIC		
SNP_40482B_132473	scaffold99	NW_004515689.1	132473	GG	AA	AA	INTERGENIC		
SNP_40483B_132799	scaffold99	NW_004515689.1	132799	TT	CC	CC	INTERGENIC		
SNP_40484B_132812	scaffold99	NW_004515689.1	132812	AA	CC	CC	INTERGENIC		
SNP_40485B_132815	scaffold99	NW_004515689.1	132815	GG	TT	TT	INTERGENIC		
SNP_40486B_132835	scaffold99	NW_004515689.1	132835	AA	GG	GG	INTERGENIC		
SNP_40487B_133171	scaffold99	NW_004515689.1	133171	TT	CC	CC	INTERGENIC		
SNP_40488B_160695	scaffold99	NW_004515689.1	160695	TT	GG	GG	INTERGENIC		
SNP_40489B_176534	scaffold99	NW_004515689.1	176534	GG	AA	AA	INTERGENIC		
SNP_40490B_199288	scaffold99	NW_004515689.1	199288	TT	AA	AA	INTERGENIC		
SNP_40491B_199381	scaffold99	NW_004515689.1	199381	GG	AA	AA	INTERGENIC		
SNP_40492B_215175	scaffold99	NW_004515689.1	215175	AA	GG	GG	INTERGENIC		
SNP_40493B_215181	scaffold99	NW_004515689.1	215181	TT	CC	CC	INTERGENIC		
SNP_40494B_215569	scaffold99	NW_004515689.1	215569	GG	AA	AA	INTERGENIC		
SNP_40495B_223287	scaffold99	NW_004515689.1	223287	TT	CC	CC	INTERGENIC		
SNP_40496B_241968	scaffold99	NW_004515689.1	241968	GG	AA	AA	INTERGENIC		
SNP_40497B_9156	scaffold100	NW_004515690.1	9156	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40498B_9160	scaffold100	NW_004515690.1	9160	CC	GG	GG	INTERGENIC		
SNP_40499B_9180	scaffold100	NW_004515690.1	9180	GG	TT	TT	INTERGENIC		
SNP_40500B_9189	scaffold100	NW_004515690.1	9189	CC	TT	TT	INTERGENIC		
SNP_40501B_9243	scaffold100	NW_004515690.1	9243	AA	TT	TT	INTERGENIC		
SNP_40502B_9413	scaffold100	NW_004515690.1	9413	AA	GG	GG	INTERGENIC		
SNP_40503B_9616	scaffold100	NW_004515690.1	9616	TT	CC	CC	INTERGENIC		
SNP_40504B_14030	scaffold100	NW_004515690.1	14030	TT	AA	AA	URR	101504768	non-specific lipid-transfer protein A-like
SNP_40505B_18759	scaffold100	NW_004515690.1	18759	GG	AA	AA	DRR	101505089	Unknown function
SNP_40506B_18777	scaffold100	NW_004515690.1	18777	CC	TT	TT	DRR	101505089	Unknown function
SNP_40507B_18779	scaffold100	NW_004515690.1	18779	AA	GG	GG	DRR	101505089	Unknown function
SNP_40508B_18789	scaffold100	NW_004515690.1	18789	GG	AA	AA	DRR	101505089	Unknown function
SNP_40509B_18793	scaffold100	NW_004515690.1	18793	TT	GG	GG	DRR	101505089	Unknown function
SNP_40510B_18804	scaffold100	NW_004515690.1	18804	GG	CC	CC	DRR	101505089	Unknown function
SNP_40511B_18882	scaffold100	NW_004515690.1	18882	CC	TT	TT	DRR	101505089	Unknown function
SNP_40512B_53545	scaffold100	NW_004515690.1	53545	AA	GG	GG	INTERGENIC		
SNP_40513B_53550	scaffold100	NW_004515690.1	53550	TT	GG	GG	INTERGENIC		
SNP_40514B_53420	scaffold102	NW_004515691.1	53420	GG	TT	TT	INTERGENIC		
SNP_40515B_104495	scaffold102	NW_004515691.1	104495	TT	CC	CC	INTERGENIC		
SNP_40516B_104695	scaffold102	NW_004515691.1	104695	TT	CC	CC	INTERGENIC		
SNP_40517B_104842	scaffold102	NW_004515691.1	104842	CC	TT	TT	INTERGENIC		
SNP_40518B_105031	scaffold102	NW_004515691.1	105031	TT	CC	CC	INTERGENIC		
SNP_40519B_105059	scaffold102	NW_004515691.1	105059	AA	GG	GG	INTERGENIC		
SNP_40520B_105064	scaffold102	NW_004515691.1	105064	CC	TT	TT	INTERGENIC		
SNP_40521B_142423	scaffold102	NW_004515691.1	142423	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40522B_142424	scaffold102	NW_004515691.1	142424	AA	TT	TT	INTERGENIC		
SNP_40523B_297	scaffold103	NW_004515692.1	297	TT	GG	GG	INTERGENIC		
SNP_40524B_60582	scaffold109_1	NW_004515694.1	60582	CC	AA	AA	INTERGENIC		
SNP_40525B_60729	scaffold109_1	NW_004515694.1	60729	AA	CC	CC	INTERGENIC		
SNP_40526B_60768	scaffold109_1	NW_004515694.1	60768	AA	GG	GG	INTERGENIC		
SNP_40527B_60778	scaffold109_1	NW_004515694.1	60778	TT	GG	GG	INTERGENIC		
SNP_40528B_60837	scaffold109_1	NW_004515694.1	60837	AA	CC	CC	INTERGENIC		
SNP_40529B_60840	scaffold109_1	NW_004515694.1	60840	TT	CC	CC	INTERGENIC		
SNP_40530B_60850	scaffold109_1	NW_004515694.1	60850	AA	TT	TT	INTERGENIC		
SNP_40531B_60888	scaffold109_1	NW_004515694.1	60888	TT	CC	CC	INTERGENIC		
SNP_40532B_60922	scaffold109_1	NW_004515694.1	60922	GG	AA	AA	INTERGENIC		
SNP_40533B_60945	scaffold109_1	NW_004515694.1	60945	TT	CC	CC	INTERGENIC		
SNP_40534B_60970	scaffold109_1	NW_004515694.1	60970	TT	AA	AA	INTERGENIC		
SNP_40535B_61024	scaffold109_1	NW_004515694.1	61024	CC	TT	TT	INTERGENIC		
SNP_40536B_61030	scaffold109_1	NW_004515694.1	61030	GG	AA	AA	INTERGENIC		
SNP_40537B_61033	scaffold109_1	NW_004515694.1	61033	CC	TT	TT	INTERGENIC		
SNP_40538B_61051	scaffold109_1	NW_004515694.1	61051	AA	CC	CC	INTERGENIC		
SNP_40539B_61054	scaffold109_1	NW_004515694.1	61054	AA	TT	TT	INTERGENIC		
SNP_40540B_61114	scaffold109_1	NW_004515694.1	61114	TT	CC	CC	INTERGENIC		
SNP_40541B_61159	scaffold109_1	NW_004515694.1	61159	GG	AA	AA	INTERGENIC		
SNP_40542B_66745	scaffold109_1	NW_004515694.1	66745	CC	TT	TT	INTERGENIC		
SNP_40543B_66764	scaffold109_1	NW_004515694.1	66764	GG	CC	CC	INTERGENIC		
SNP_40544B_96034	scaffold109_1	NW_004515694.1	96034	TT	GG	GG	INTERGENIC		
SNP_40545B_96036	scaffold109_1	NW_004515694.1	96036	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40546B_96037	scaffold109_1	NW_004515694.1	96037	CC	TT	TT	INTERGENIC		
SNP_40547B_96056	scaffold109_1	NW_004515694.1	96056	GG	AA	AA	INTERGENIC		
SNP_40548B_105052	scaffold109_1	NW_004515694.1	105052	CC	TT	TT	INTERGENIC		
SNP_40549B_153753	scaffold109_1	NW_004515694.1	153753	GG	CC	CC	INTRON	101507572	casein kinase I isoform delta-like
SNP_40550B_153767	scaffold109_1	NW_004515694.1	153767	TT	GG	GG	INTRON	101507572	casein kinase I isoform delta-like
SNP_40552B_160411	scaffold109_1	NW_004515694.1	160411	TT	CC	CC	INTERGENIC		
SNP_40553B_160414	scaffold109_1	NW_004515694.1	160414	TT	CC	CC	INTERGENIC		
SNP_40555B_246827	scaffold109_1	NW_004515694.1	246827	CC	GG	GG	URR	101510445	uncharacterized LOC101510445
SNP_40556B_246847	scaffold109_1	NW_004515694.1	246847	TT	GG	GG	URR	101510445	uncharacterized LOC101510445
SNP_40557B_247276	scaffold109_1	NW_004515694.1	247276	AA	CC	CC	URR	101510445	uncharacterized LOC101510445
SNP_40558B_247313	scaffold109_1	NW_004515694.1	247313	TT	CC	CC	URR	101510445	uncharacterized LOC101510445
SNP_40559B_248646	scaffold109_1	NW_004515694.1	248646	AA	GG	GG	INTERGENIC		
SNP_40561B_248900	scaffold109_1	NW_004515694.1	248900	AA	GG	GG	INTERGENIC		
SNP_40562B_277293	scaffold109_1	NW_004515694.1	277293	AA	GG	GG	INTERGENIC		
SNP_40563B_281969	scaffold109_1	NW_004515694.1	281969	CC	TT	TT	INTERGENIC		
SNP_40564B_474741	scaffold109_1	NW_004515694.1	474741	TT	CC	CC	DRR	101488265	nuclear transcription factor Y subunit A-3-like
SNP_40565B_504436	scaffold109_1	NW_004515694.1	504436	GG	AA	AA	INTERGENIC		
SNP_40566B_504517	scaffold109_1	NW_004515694.1	504517	TT	CC	CC	INTERGENIC		
SNP_40567B_504855	scaffold109_1	NW_004515694.1	504855	AA	CC	CC	INTERGENIC		
SNP_40568B_504878	scaffold109_1	NW_004515694.1	504878	GG	TT	TT	INTERGENIC		
SNP_40569B_504932	scaffold109_1	NW_004515694.1	504932	AA	GG	GG	INTERGENIC		
SNP_40570B_504936	scaffold109_1	NW_004515694.1	504936	TT	CC	CC	INTERGENIC		
SNP_40571B_569506	scaffold109_1	NW_004515694.1	569506	AA	GG	GG	URR	101490364	mechanosensitive ion channel protein 10-like
SNP_40572B_569507	scaffold109_1	NW_004515694.1	569507	TT	CC	CC	URR	101490364	mechanosensitive ion channel protein 10-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40573B_654244	scaffold109_1	NW_004515694.1	654244	TT	CC	CC	INTERGENIC		
SNP_40574B_654265	scaffold109_1	NW_004515694.1	654265	GG	AA	AA	INTERGENIC		
SNP_40575B_724762	scaffold109_1	NW_004515694.1	724762	CC	TT	TT	INTERGENIC		
SNP_40576B_776929	scaffold109_1	NW_004515694.1	776929	TT	CC	CC	INTERGENIC		
SNP_40577B_802545	scaffold109_1	NW_004515694.1	802545	TT	AA	AA	DRR	101493608	MOB kinase activator-like 1A
SNP_40578B_6067	scaffold110	NW_004515695.1	6067	TT	CC	CC	INTERGENIC		
SNP_40579B_99885	scaffold111	NW_004515696.1	99885	CC	AA	AA	INTERGENIC		
SNP_40580B_99886	scaffold111	NW_004515696.1	99886	CC	AA	AA	INTERGENIC		
SNP_40581B_99887	scaffold111	NW_004515696.1	99887	TT	CC	CC	INTERGENIC		
SNP_40582B_99889	scaffold111	NW_004515696.1	99889	CC	AA	AA	INTERGENIC		
SNP_40583B_99891	scaffold111	NW_004515696.1	99891	CC	GG	GG	INTERGENIC		
SNP_40584B_99919	scaffold111	NW_004515696.1	99919	TT	CC	CC	INTERGENIC		
SNP_40585B_99929	scaffold111	NW_004515696.1	99929	AA	GG	GG	INTERGENIC		
SNP_40586B_4037	scaffold113	NW_004515697.1	4037	TT	CC	CC	INTERGENIC		
SNP_40587B_8817	scaffold115	NW_004515699.1	8817	GG	AA	AA	INTERGENIC		
SNP_40588B_9938	scaffold115	NW_004515699.1	9938	GG	TT	TT	INTERGENIC		
SNP_40590B_52231	scaffold115	NW_004515699.1	52231	TT	AA	AA	INTERGENIC		
SNP_40591B_52249	scaffold115	NW_004515699.1	52249	TT	CC	CC	INTERGENIC		
SNP_40592B_52259	scaffold115	NW_004515699.1	52259	AA	CC	CC	INTERGENIC		
SNP_40593B_52360	scaffold115	NW_004515699.1	52360	CC	TT	TT	INTERGENIC		
SNP_40594B_52400	scaffold115	NW_004515699.1	52400	CC	AA	AA	INTERGENIC		
SNP_40595B_52459	scaffold115	NW_004515699.1	52459	CC	AA	AA	INTERGENIC		
SNP_40596B_52664	scaffold115	NW_004515699.1	52664	AA	CC	CC	INTERGENIC		
SNP_40597B_52824	scaffold115	NW_004515699.1	52824	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40598B_52939	scaffold115	NW_004515699.1	52939	CC	TT	TT	INTERGENIC		
SNP_40599B_52984	scaffold115	NW_004515699.1	52984	GG	AA	AA	INTERGENIC		
SNP_40600B_52993	scaffold115	NW_004515699.1	52993	TT	AA	AA	INTERGENIC		
SNP_40601B_53073	scaffold115	NW_004515699.1	53073	TT	GG	GG	INTERGENIC		
SNP_40602B_26891	scaffold118	NW_004515700.1	26891	CC	AA	AA	INTERGENIC		
SNP_40603B_26926	scaffold118	NW_004515700.1	26926	CC	GG	GG	INTERGENIC		
SNP_40604B_27226	scaffold118	NW_004515700.1	27226	AA	GG	GG	INTERGENIC		
SNP_40605B_27241	scaffold118	NW_004515700.1	27241	AA	GG	GG	INTERGENIC		
SNP_40606B_113345	scaffold118	NW_004515700.1	113345	CC	TT	TT	INTRON	101504884	uncharacterized LOC101504884
SNP_40607B_113357	scaffold118	NW_004515700.1	113357	CC	TT	TT	INTRON	101504884	uncharacterized LOC101504884
SNP_40608B_113452	scaffold118	NW_004515700.1	113452	TT	CC	CC	INTRON	101504884	uncharacterized LOC101504884
SNP_40609B_113471	scaffold118	NW_004515700.1	113471	TT	CC	CC	INTRON	101504884	uncharacterized LOC101504884
SNP_40610B_118597	scaffold118	NW_004515700.1	118597	GG	AA	AA	INTRON	101504884	uncharacterized LOC101504884
SNP_40611B_118625	scaffold118	NW_004515700.1	118625	TT	AA	AA	INTRON	101504884	uncharacterized LOC101504884
SNP_40613B_171646	scaffold118	NW_004515700.1	171646	GG	AA	AA	INTERGENIC		
SNP_40614B_173131	scaffold118	NW_004515700.1	173131	CC	TT	TT	INTERGENIC		
SNP_40616B_178466	scaffold118	NW_004515700.1	178466	CC	TT	TT	INTERGENIC		
SNP_40617B_178471	scaffold118	NW_004515700.1	178471	AA	GG	GG	INTERGENIC		
SNP_40618B_178477	scaffold118	NW_004515700.1	178477	AA	GG	GG	INTERGENIC		
SNP_40620B_461130	scaffold118	NW_004515700.1	461130	AA	GG	GG	INTERGENIC		
SNP_40621B_463089	scaffold118	NW_004515700.1	463089	AA	TT	TT	INTERGENIC		
SNP_40622B_463287	scaffold118	NW_004515700.1	463287	GG	AA	AA	INTERGENIC		
SNP_40623B_463288	scaffold118	NW_004515700.1	463288	AA	TT	TT	INTERGENIC		
SNP_40624B_463296	scaffold118	NW_004515700.1	463296	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40625B_463380	scaffold118	NW_004515700.1	463380	CC	GG	GG	INTERGENIC		
SNP_40626B_465492	scaffold118	NW_004515700.1	465492	TT	CC	CC	INTERGENIC		
SNP_40627B_465864	scaffold118	NW_004515700.1	465864	CC	TT	TT	INTERGENIC		
SNP_40628B_465896	scaffold118	NW_004515700.1	465896	CC	GG	GG	INTERGENIC		
SNP_40629B_466136	scaffold118	NW_004515700.1	466136	TT	CC	CC	INTERGENIC		
SNP_40632B_554065	scaffold118	NW_004515700.1	554065	GG	AA	AA	DRR	101508425	uncharacterized LOC101508425
SNP_40633B_560636	scaffold118	NW_004515700.1	560636	TT	CC	CC	INTRON	101508425	uncharacterized LOC101508425
SNP_40634B_560715	scaffold118	NW_004515700.1	560715	AA	TT	TT	INTRON	101508425	uncharacterized LOC101508425
SNP_40635B_593072	scaffold118	NW_004515700.1	593072	GG	AA	AA	INTERGENIC		
SNP_40636B_16659	scaffold119	NW_004515701.1	16659	CC	AA	AA	INTERGENIC		
SNP_40637B_16902	scaffold119	NW_004515701.1	16902	GG	AA	AA	INTERGENIC		
SNP_40638B_17087	scaffold119	NW_004515701.1	17087	TT	AA	AA	INTERGENIC		
SNP_40639B_17237	scaffold119	NW_004515701.1	17237	GG	AA	AA	INTERGENIC		
SNP_40640B_17437	scaffold119	NW_004515701.1	17437	GG	AA	AA	INTERGENIC		
SNP_40641B_17487	scaffold119	NW_004515701.1	17487	GG	AA	AA	INTERGENIC		
SNP_40642B_17740	scaffold119	NW_004515701.1	17740	AA	GG	GG	INTERGENIC		
SNP_40643B_17977	scaffold119	NW_004515701.1	17977	AA	TT	TT	INTERGENIC		
SNP_40644B_18283	scaffold119	NW_004515701.1	18283	TT	GG	GG	INTERGENIC		
SNP_40645B_18354	scaffold119	NW_004515701.1	18354	GG	CC	CC	INTERGENIC		
SNP_40646B_21688	scaffold119	NW_004515701.1	21688	TT	GG	GG	INTERGENIC		
SNP_40647B_26547	scaffold119	NW_004515701.1	26547	GG	AA	AA	INTERGENIC		
SNP_40649B_48137	scaffold119	NW_004515701.1	48137	CC	TT	TT	INTERGENIC		
SNP_40650B_48164	scaffold119	NW_004515701.1	48164	TT	CC	CC	INTERGENIC		
SNP_40651B_48211	scaffold119	NW_004515701.1	48211	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40652B_48588	scaffold119	NW_004515701.1	48588	TT	CC	CC	INTERGENIC		
SNP_40653B_48605	scaffold119	NW_004515701.1	48605	AA	GG	GG	INTERGENIC		
SNP_40654B_49343	scaffold119	NW_004515701.1	49343	CC	TT	TT	INTERGENIC		
SNP_40655B_52777	scaffold119	NW_004515701.1	52777	TT	GG	GG	INTERGENIC		
SNP_40656B_62321	scaffold119	NW_004515701.1	62321	TT	CC	CC	INTERGENIC		
SNP_40657B_70308	scaffold119	NW_004515701.1	70308	TT	CC	CC	INTERGENIC		
SNP_40659B_70851	scaffold119	NW_004515701.1	70851	AA	TT	TT	INTERGENIC		
SNP_40660B_71263	scaffold119	NW_004515701.1	71263	TT	AA	AA	INTERGENIC		
SNP_40662B_72145	scaffold119	NW_004515701.1	72145	AA	CC	CC	INTERGENIC		
SNP_40663B_72212	scaffold119	NW_004515701.1	72212	CC	TT	TT	INTERGENIC		
SNP_40664B_72221	scaffold119	NW_004515701.1	72221	CC	TT	TT	INTERGENIC		
SNP_40665B_2890	scaffold120	NW_004515702.1	2890	AA	GG	GG	INTERGENIC		
SNP_40666B_2903	scaffold120	NW_004515702.1	2903	AA	CC	CC	INTERGENIC		
SNP_40667B_8638	scaffold120	NW_004515702.1	8638	GG	AA	AA	INTERGENIC		
SNP_40668B_33359	scaffold123	NW_004515703.1	33359	AA	GG	GG	INTERGENIC		
SNP_40669B_33511	scaffold123	NW_004515703.1	33511	TT	AA	AA	INTERGENIC		
SNP_40670B_33667	scaffold123	NW_004515703.1	33667	CC	TT	TT	INTERGENIC		
SNP_40671B_33714	scaffold123	NW_004515703.1	33714	TT	CC	CC	INTERGENIC		
SNP_40672B_33723	scaffold123	NW_004515703.1	33723	AA	GG	GG	INTERGENIC		
SNP_40674B_33833	scaffold123	NW_004515703.1	33833	GG	AA	AA	INTERGENIC		
SNP_40675B_33840	scaffold123	NW_004515703.1	33840	CC	TT	TT	INTERGENIC		
SNP_40676B_34960	scaffold123	NW_004515703.1	34960	CC	AA	AA	INTERGENIC		
SNP_40677B_34967	scaffold123	NW_004515703.1	34967	AA	GG	GG	INTERGENIC		
SNP_40678B_35049	scaffold123	NW_004515703.1	35049	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40679B_35113	scaffold123	NW_004515703.1	35113	TT	CC	CC	INTERGENIC		
SNP_40680B_35372	scaffold123	NW_004515703.1	35372	CC	TT	AA	INTERGENIC		
SNP_40681B_35392	scaffold123	NW_004515703.1	35392	GG	AA	AA	INTERGENIC		
SNP_40682B_37517	scaffold123	NW_004515703.1	37517	GG	CC	CC	INTERGENIC		
SNP_40683B_37521	scaffold123	NW_004515703.1	37521	GG	TT	TT	INTERGENIC		
SNP_40684B_37541	scaffold123	NW_004515703.1	37541	AA	CC	GG	INTERGENIC		
SNP_40685B_37574	scaffold123	NW_004515703.1	37574	GG	AA	AA	INTERGENIC		
SNP_40686B_37578	scaffold123	NW_004515703.1	37578	TT	GG	GG	INTERGENIC		
SNP_40687B_37579	scaffold123	NW_004515703.1	37579	CC	GG	GG	INTERGENIC		
SNP_40688B_66627	scaffold123	NW_004515703.1	66627	TT	CC	CC	INTERGENIC		
SNP_40689B_66723	scaffold123	NW_004515703.1	66723	TT	CC	CC	INTERGENIC		
SNP_40690B_66956	scaffold123	NW_004515703.1	66956	TT	CC	CC	INTERGENIC		
SNP_40691B_136477	scaffold123	NW_004515703.1	136477	AA	GG	GG	INTERGENIC		
SNP_40692B_136825	scaffold123	NW_004515703.1	136825	AA	GG	GG	INTERGENIC		
SNP_40693B_141701	scaffold123	NW_004515703.1	141701	CC	TT	TT	INTERGENIC		
SNP_40694B_172547	scaffold123	NW_004515703.1	172547	CC	TT	TT	INTERGENIC		
SNP_40695B_270060	scaffold123	NW_004515703.1	270060	CC	TT	TT	INTERGENIC		
SNP_40696B_301048	scaffold123	NW_004515703.1	301048	TT	CC	CC	INTERGENIC		
SNP_40697B_344069	scaffold123	NW_004515703.1	344069	TT	CC	CC	INTERGENIC		
SNP_40698B_391412	scaffold123	NW_004515703.1	391412	GG	AA	AA	INTERGENIC		
SNP_40699B_3372	scaffold126	NW_004515705.1	3372	CC	TT	TT	INTERGENIC		
SNP_40700B_5826	scaffold126	NW_004515705.1	5826	TT	AA	AA	INTERGENIC		
SNP_40701B_5856	scaffold126	NW_004515705.1	5856	AA	TT	TT	INTERGENIC		
SNP_40702B_6261	scaffold126	NW_004515705.1	6261	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40703B_7711	scaffold126	NW_004515705.1	7711	CC	TT	TT	INTERGENIC		
SNP_40704B_12166	scaffold126	NW_004515705.1	12166	CC	AA	AA	INTERGENIC		
SNP_40705B_16344	scaffold126	NW_004515705.1	16344	GG	AA	AA	INTERGENIC		
SNP_40706B_16404	scaffold126	NW_004515705.1	16404	TT	CC	CC	INTERGENIC		
SNP_40707B_20240	scaffold127	NW_004515706.1	20240	GG	AA	AA	INTERGENIC		
SNP_40708B_20247	scaffold127	NW_004515706.1	20247	TT	GG	GG	INTERGENIC		
SNP_40709B_20273	scaffold127	NW_004515706.1	20273	TT	AA	AA	INTERGENIC		
SNP_40710B_20274	scaffold127	NW_004515706.1	20274	TT	AA	AA	INTERGENIC		
SNP_40711B_20276	scaffold127	NW_004515706.1	20276	TT	CC	CC	INTERGENIC		
SNP_40712B_20277	scaffold127	NW_004515706.1	20277	TT	CC	CC	INTERGENIC		
SNP_40713B_20288	scaffold127	NW_004515706.1	20288	TT	CC	CC	INTERGENIC		
SNP_40714B_20289	scaffold127	NW_004515706.1	20289	AA	CC	CC	INTERGENIC		
SNP_40715B_20421	scaffold127	NW_004515706.1	20421	AA	GG	GG	INTERGENIC		
SNP_40717B_47169	scaffold127	NW_004515706.1	47169	CC	TT	TT	INTERGENIC		
SNP_40718B_53989	scaffold127	NW_004515706.1	53989	AA	TT	TT	INTERGENIC		
SNP_40720B_54097	scaffold127	NW_004515706.1	54097	AA	TT	TT	INTERGENIC		
SNP_40721B_54740	scaffold127	NW_004515706.1	54740	AA	GG	GG	INTERGENIC		
SNP_40722B_55117	scaffold127	NW_004515706.1	55117	TT	CC	CC	INTERGENIC		
SNP_40724B_131756	scaffold127	NW_004515706.1	131756	AA	GG	GG	INTERGENIC		
SNP_40725B_131759	scaffold127	NW_004515706.1	131759	TT	GG	GG	INTERGENIC		
SNP_40726B_135547	scaffold127	NW_004515706.1	135547	TT	GG	GG	INTERGENIC		
SNP_40727B_135994	scaffold127	NW_004515706.1	135994	TT	CC	CC	INTERGENIC		
SNP_40729B_165654	scaffold127	NW_004515706.1	165654	GG	CC	CC	INTERGENIC		
SNP_40730B_184749	scaffold127	NW_004515706.1	184749	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40731B_184763	scaffold127	NW_004515706.1	184763	AA	TT	TT	INTERGENIC		
SNP_40732B_184768	scaffold127	NW_004515706.1	184768	TT	CC	CC	INTERGENIC		
SNP_40733B_184799	scaffold127	NW_004515706.1	184799	TT	GG	GG	INTERGENIC		
SNP_40734B_184819	scaffold127	NW_004515706.1	184819	AA	GG	GG	INTERGENIC		
SNP_40735B_184953	scaffold127	NW_004515706.1	184953	TT	AA	AA	INTERGENIC		
SNP_40736B_184979	scaffold127	NW_004515706.1	184979	AA	GG	GG	INTERGENIC		
SNP_40737B_185067	scaffold127	NW_004515706.1	185067	TT	CC	CC	INTERGENIC		
SNP_40738B_229456	scaffold127	NW_004515706.1	229456	TT	CC	CC	INTERGENIC		
SNP_40739B_229457	scaffold127	NW_004515706.1	229457	AA	GG	GG	INTERGENIC		
SNP_40740B_229469	scaffold127	NW_004515706.1	229469	GG	AA	AA	INTERGENIC		
SNP_40741B_229517	scaffold127	NW_004515706.1	229517	TT	GG	GG	INTERGENIC		
SNP_40742B_232103	scaffold127	NW_004515706.1	232103	AA	CC	CC	INTERGENIC		
SNP_40743B_232643	scaffold127	NW_004515706.1	232643	GG	AA	AA	INTERGENIC		
SNP_40744B_240227	scaffold127	NW_004515706.1	240227	TT	CC	CC	INTERGENIC		
SNP_40745B_240276	scaffold127	NW_004515706.1	240276	TT	AA	AA	INTERGENIC		
SNP_40746B_240287	scaffold127	NW_004515706.1	240287	CC	TT	TT	INTERGENIC		
SNP_40747B_255784	scaffold127	NW_004515706.1	255784	TT	CC	CC	INTERGENIC		
SNP_40748B_256051	scaffold127	NW_004515706.1	256051	AA	TT	TT	INTERGENIC		
SNP_40749B_256064	scaffold127	NW_004515706.1	256064	TT	CC	CC	INTERGENIC		
SNP_40750B_256808	scaffold127	NW_004515706.1	256808	AA	CC	CC	INTERGENIC		
SNP_40751B_256867	scaffold127	NW_004515706.1	256867	TT	CC	CC	INTERGENIC		
SNP_40752B_265735	scaffold127	NW_004515706.1	265735	TT	CC	CC	INTERGENIC		
SNP_40753B_270062	scaffold127	NW_004515706.1	270062	GG	AA	AA	INTERGENIC		
SNP_40754B_270214	scaffold127	NW_004515706.1	270214	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40755B_270319	scaffold127	NW_004515706.1	270319	AA	CC	CC	INTERGENIC		
SNP_40756B_270342	scaffold127	NW_004515706.1	270342	TT	CC	CC	INTERGENIC		
SNP_40757B_270343	scaffold127	NW_004515706.1	270343	CC	TT	TT	INTERGENIC		
SNP_40759B_270776	scaffold127	NW_004515706.1	270776	CC	AA	AA	INTERGENIC		
SNP_40760B_270778	scaffold127	NW_004515706.1	270778	AA	GG	GG	INTERGENIC		
SNP_40761B_299524	scaffold127	NW_004515706.1	299524	AA	GG	GG	INTERGENIC		
SNP_40762B_299553	scaffold127	NW_004515706.1	299553	GG	CC	CC	INTERGENIC		
SNP_40763B_299611	scaffold127	NW_004515706.1	299611	AA	GG	GG	INTERGENIC		
SNP_40764B_304939	scaffold127	NW_004515706.1	304939	AA	GG	GG	INTERGENIC		
SNP_40765B_5961	scaffold128	NW_004515707.1	5961	AA	CC	CC	INTERGENIC		
SNP_40766B_6887	scaffold128	NW_004515707.1	6887	CC	TT	TT	INTERGENIC		
SNP_40767B_12976	scaffold128	NW_004515707.1	12976	GG	AA	AA	INTERGENIC		
SNP_40768B_32711	scaffold128	NW_004515707.1	32711	GG	AA	AA	INTERGENIC		
SNP_40769B_32767	scaffold128	NW_004515707.1	32767	TT	CC	CC	INTERGENIC		
SNP_40770B_32788	scaffold128	NW_004515707.1	32788	TT	GG	GG	INTERGENIC		
SNP_40771B_32836	scaffold128	NW_004515707.1	32836	CC	AA	AA	INTERGENIC		
SNP_40772B_82555	scaffold128	NW_004515707.1	82555	GG	AA	AA	INTERGENIC		
SNP_40774B_177090	scaffold128	NW_004515707.1	177090	CC	GG	GG	DRR	101514225	uncharacterized LOC101514225
SNP_40775B_177109	scaffold128	NW_004515707.1	177109	TT	AA	AA	DRR	101514225	uncharacterized LOC101514225
SNP_40776B_197803	scaffold128	NW_004515707.1	197803	AA	GG	GG	INTRON	101514433	G-type lectin S-receptor-like serine/threonine-protein kinase SD1-13
SNP_40777B_205812	scaffold128	NW_004515707.1	205812	TT	AA	AA	INTERGENIC		
SNP_40778B_240687	scaffold128	NW_004515707.1	240687	TT	CC	CC	INTERGENIC		
SNP_40780B_279112	scaffold128	NW_004515707.1	279112	AA	GG	GG	INTERGENIC		
SNP_40781B_279406	scaffold128	NW_004515707.1	279406	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40782B_285259	scaffold128	NW_004515707.1	285259	GG	AA	AA	INTERGENIC		
SNP_40783B_285399	scaffold128	NW_004515707.1	285399	AA	GG	GG	INTERGENIC		
SNP_40784B_346336	scaffold128	NW_004515707.1	346336	TT	CC	CC	INTERGENIC		
SNP_40785B_346379	scaffold128	NW_004515707.1	346379	TT	GG	GG	INTERGENIC		
SNP_40786B_346473	scaffold128	NW_004515707.1	346473	GG	CC	CC	INTERGENIC		
SNP_40787B_350531	scaffold128	NW_004515707.1	350531	CC	AA	AA	INTERGENIC		
SNP_40788B_379926	scaffold128	NW_004515707.1	379926	GG	TT	TT	INTERGENIC		
SNP_40789B_393232	scaffold128	NW_004515707.1	393232	CC	TT	TT	INTERGENIC		
SNP_40790B_393520	scaffold128	NW_004515707.1	393520	AA	TT	TT	INTERGENIC		
SNP_40791B_393613	scaffold128	NW_004515707.1	393613	AA	TT	TT	INTERGENIC		
SNP_40792B_404025	scaffold128	NW_004515707.1	404025	CC	TT	TT	INTERGENIC		
SNP_40793B_404391	scaffold128	NW_004515707.1	404391	CC	TT	TT	INTERGENIC		
SNP_40794B_417151	scaffold128	NW_004515707.1	417151	CC	TT	TT	INTERGENIC		
SNP_40795B_417273	scaffold128	NW_004515707.1	417273	TT	AA	AA	INTERGENIC		
SNP_40796B_429459	scaffold128	NW_004515707.1	429459	GG	TT	TT	INTERGENIC		
SNP_40797B_430434	scaffold128	NW_004515707.1	430434	GG	AA	AA	INTERGENIC		
SNP_40798B_437346	scaffold128	NW_004515707.1	437346	AA	TT	TT	INTERGENIC		
SNP_40799B_448594	scaffold128	NW_004515707.1	448594	TT	AA	AA	INTERGENIC		
SNP_40800B_450425	scaffold128	NW_004515707.1	450425	CC	AA	AA	INTERGENIC		
SNP_40801B_450490	scaffold128	NW_004515707.1	450490	TT	AA	AA	INTERGENIC		
SNP_40802B_450713	scaffold128	NW_004515707.1	450713	CC	TT	TT	INTERGENIC		
SNP_40803B_450878	scaffold128	NW_004515707.1	450878	AA	TT	TT	INTERGENIC		
SNP_40804B_475659	scaffold128	NW_004515707.1	475659	GG	TT	TT	URR	101488386	protein TPLATE
SNP_40805B_532045	scaffold128	NW_004515707.1	532045	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40806B_532049	scaffold128	NW_004515707.1	532049	TT	CC	CC	INTERGENIC		
SNP_40807B_540359	scaffold128	NW_004515707.1	540359	CC	TT	TT	INTRON	101493287	uncharacterized LOC101493287
SNP_40808B_540569	scaffold128	NW_004515707.1	540569	AA	GG	GG	INTRON	101493287	uncharacterized LOC101493287
SNP_40809B_540570	scaffold128	NW_004515707.1	540570	CC	TT	TT	INTRON	101493287	uncharacterized LOC101493287
SNP_40810B_578559	scaffold128	NW_004515707.1	578559	TT	CC	CC	URR	101493928	Unknown function
SNP_40811B_578870	scaffold128	NW_004515707.1	578870	AA	GG	GG	URR	101494249	uncharacterized LOC101494249
SNP_40812B_580854	scaffold128	NW_004515707.1	580854	GG	TT	TT	INTERGENIC		
SNP_40813B_581160	scaffold128	NW_004515707.1	581160	CC	AA	AA	INTERGENIC		
SNP_40814B_587711	scaffold128	NW_004515707.1	587711	TT	AA	AA	INTERGENIC		
SNP_40816B_676539	scaffold128	NW_004515707.1	676539	CC	TT	TT	INTERGENIC		
SNP_40817B_689134	scaffold128	NW_004515707.1	689134	AA	GG	GG	INTERGENIC		
SNP_40818B_711215	scaffold128	NW_004515707.1	711215	GG	TT	TT	INTERGENIC		
SNP_40819B_711255	scaffold128	NW_004515707.1	711255	GG	AA	AA	INTERGENIC		
SNP_40820B_711639	scaffold128	NW_004515707.1	711639	TT	CC	CC	INTERGENIC		
SNP_40821B_711685	scaffold128	NW_004515707.1	711685	CC	TT	TT	INTERGENIC		
SNP_40822B_719345	scaffold128	NW_004515707.1	719345	TT	AA	AA	INTERGENIC		
SNP_40823B_729194	scaffold128	NW_004515707.1	729194	AA	GG	GG	INTERGENIC		
SNP_40824B_729770	scaffold128	NW_004515707.1	729770	GG	AA	AA	INTERGENIC		
SNP_40825B_732465	scaffold128	NW_004515707.1	732465	TT	CC	CC	INTERGENIC		
SNP_40826B_732515	scaffold128	NW_004515707.1	732515	AA	TT	TT	INTERGENIC		
SNP_40827B_732718	scaffold128	NW_004515707.1	732718	AA	GG	GG	INTERGENIC		
SNP_40828B_732744	scaffold128	NW_004515707.1	732744	GG	AA	AA	INTERGENIC		
SNP_40829B_732772	scaffold128	NW_004515707.1	732772	CC	AA	AA	INTERGENIC		
SNP_40830B_732802	scaffold128	NW_004515707.1	732802	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40831B_732818	scaffold128	NW_004515707.1	732818	AA	TT	TT	INTERGENIC		
SNP_40832B_746221	scaffold128	NW_004515707.1	746221	GG	TT	TT	INTERGENIC		
SNP_40833B_746773	scaffold128	NW_004515707.1	746773	CC	GG	GG	INTERGENIC		
SNP_40835B_747506	scaffold128	NW_004515707.1	747506	AA	CC	CC	INTERGENIC		
SNP_40836B_747693	scaffold128	NW_004515707.1	747693	AA	GG	GG	INTERGENIC		
SNP_40837B_747694	scaffold128	NW_004515707.1	747694	TT	AA	AA	INTERGENIC		
SNP_40838B_762384	scaffold128	NW_004515707.1	762384	AA	CC	CC	INTERGENIC		
SNP_40839B_813085	scaffold128	NW_004515707.1	813085	AA	TT	TT	INTERGENIC		
SNP_40840B_820564	scaffold128	NW_004515707.1	820564	TT	CC	CC	INTERGENIC		
SNP_40841B_820681	scaffold128	NW_004515707.1	820681	AA	TT	TT	INTERGENIC		
SNP_40842B_820695	scaffold128	NW_004515707.1	820695	AA	CC	CC	INTERGENIC		
SNP_40843B_820697	scaffold128	NW_004515707.1	820697	AA	CC	CC	INTERGENIC		
SNP_40844B_820876	scaffold128	NW_004515707.1	820876	TT	CC	CC	INTERGENIC		
SNP_40845B_820932	scaffold128	NW_004515707.1	820932	AA	GG	GG	INTERGENIC		
SNP_40846B_820960	scaffold128	NW_004515707.1	820960	TT	AA	AA	INTERGENIC		
SNP_40847B_853456	scaffold128	NW_004515707.1	853456	CC	TT	TT	INTRON	101494554	Unknown function
SNP_40849B_887432	scaffold128	NW_004515707.1	887432	CC	GG	GG	INTERGENIC		
SNP_40851B_12954	scaffold131	NW_004515708.1	12954	AA	GG	GG	INTERGENIC		
SNP_40852B_13021	scaffold131	NW_004515708.1	13021	TT	GG	GG	INTERGENIC		
SNP_40853B_13026	scaffold131	NW_004515708.1	13026	AA	GG	GG	INTERGENIC		
SNP_40854B_13291	scaffold131	NW_004515708.1	13291	TT	CC	CC	INTERGENIC		
SNP_40855B_28346	scaffold131	NW_004515708.1	28346	CC	AA	AA	INTERGENIC		
SNP_40856B_28652	scaffold131	NW_004515708.1	28652	AA	GG	GG	INTERGENIC		
SNP_40857B_28753	scaffold131	NW_004515708.1	28753	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40858B_30537	scaffold131	NW_004515708.1	30537	TT	GG	GG	INTERGENIC		
SNP_40859B_30610	scaffold131	NW_004515708.1	30610	TT	AA	AA	INTERGENIC		
SNP_40860B_38181	scaffold131	NW_004515708.1	38181	CC	TT	TT	INTERGENIC		
SNP_40861B_38213	scaffold131	NW_004515708.1	38213	AA	TT	TT	INTERGENIC		
SNP_40862B_38254	scaffold131	NW_004515708.1	38254	AA	GG	GG	INTERGENIC		
SNP_40863B_41558	scaffold132	NW_004515709.1	41558	AA	TT	TT	INTERGENIC		
SNP_40864B_41654	scaffold132	NW_004515709.1	41654	CC	TT	TT	INTERGENIC		
SNP_40865B_41660	scaffold132	NW_004515709.1	41660	TT	AA	AA	INTERGENIC		
SNP_40866B_41673	scaffold132	NW_004515709.1	41673	TT	GG	GG	INTERGENIC		
SNP_40867B_41755	scaffold132	NW_004515709.1	41755	AA	GG	GG	INTERGENIC		
SNP_40868B_54019	scaffold132	NW_004515709.1	54019	TT	AA	AA	INTERGENIC		
SNP_40869B_54050	scaffold132	NW_004515709.1	54050	GG	CC	CC	INTERGENIC		
SNP_40870B_54075	scaffold132	NW_004515709.1	54075	GG	AA	AA	INTERGENIC		
SNP_40871B_60629	scaffold132	NW_004515709.1	60629	CC	TT	TT	INTERGENIC		
SNP_40872B_60633	scaffold132	NW_004515709.1	60633	TT	CC	CC	INTERGENIC		
SNP_40873B_60722	scaffold132	NW_004515709.1	60722	AA	GG	GG	INTERGENIC		
SNP_40874B_60736	scaffold132	NW_004515709.1	60736	TT	CC	CC	INTERGENIC		
SNP_40875B_60737	scaffold132	NW_004515709.1	60737	CC	TT	TT	INTERGENIC		
SNP_40876B_60761	scaffold132	NW_004515709.1	60761	GG	TT	TT	INTERGENIC		
SNP_40877B_87266	scaffold132	NW_004515709.1	87266	GG	CC	CC	INTERGENIC		
SNP_40878B_99343	scaffold132	NW_004515709.1	99343	TT	CC	CC	INTERGENIC		
SNP_40879B_113944	scaffold132	NW_004515709.1	113944	CC	GG	GG	INTERGENIC		
SNP_40880B_137555	scaffold132	NW_004515709.1	137555	GG	AA	AA	INTERGENIC		
SNP_40881B_137567	scaffold132	NW_004515709.1	137567	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40882B_153521	scaffold132	NW_004515709.1	153521	TT	AA	AA	INTERGENIC		
SNP_40883B_20476	scaffold134	NW_004515711.1	20476	CC	TT	TT	INTERGENIC		
SNP_40884B_166688	scaffold134	NW_004515711.1	166688	TT	CC	CC	NON_SYNONYMOUS_CODING	101503368	uncharacterized protein PB18E9.04c-like
SNP_40885B_216401	scaffold134	NW_004515711.1	216401	TT	CC	CC	DRR	101496730	histone-lysine N-methyltransferase ATXR3-like
SNP_40886B_266833	scaffold134	NW_004515711.1	266833	GG	AA	AA	INTERGENIC		
SNP_40887B_323217	scaffold134	NW_004515711.1	323217	TT	CC	CC	NON_SYNONYMOUS_CODING	101504030	Unknown function
SNP_40888B_323238	scaffold134	NW_004515711.1	323238	AA	GG	GG	NON_SYNONYMOUS_CODING	101504030	Unknown function
SNP_40889B_323246	scaffold134	NW_004515711.1	323246	TT	CC	CC	SYNONYMOUS_CODING	101504030	Unknown function
SNP_40890B_323258	scaffold134	NW_004515711.1	323258	AA	GG	GG	SYNONYMOUS_CODING	101504030	Unknown function
SNP_40891B_323261	scaffold134	NW_004515711.1	323261	TT	CC	CC	NON_SYNONYMOUS_CODING	101504030	Unknown function
SNP_40892B_323381	scaffold134	NW_004515711.1	323381	AA	GG	GG	SYNONYMOUS_CODING	101504030	Unknown function
SNP_40893B_334384	scaffold134	NW_004515711.1	334384	TT	CC	CC	INTERGENIC		
SNP_40894B_334396	scaffold134	NW_004515711.1	334396	TT	GG	GG	INTERGENIC		
SNP_40895B_334539	scaffold134	NW_004515711.1	334539	AA	GG	GG	INTERGENIC		
SNP_40896B_334569	scaffold134	NW_004515711.1	334569	GG	AA	AA	INTERGENIC		
SNP_40897B_334694	scaffold134	NW_004515711.1	334694	AA	TT	TT	INTERGENIC		
SNP_40898B_336564	scaffold134	NW_004515711.1	336564	TT	CC	CC	INTERGENIC		
SNP_40899B_336664	scaffold134	NW_004515711.1	336664	TT	CC	CC	INTERGENIC		
SNP_40900B_336666	scaffold134	NW_004515711.1	336666	AA	CC	CC	INTERGENIC		
SNP_40901B_336670	scaffold134	NW_004515711.1	336670	TT	AA	AA	INTERGENIC		
SNP_40902B_336712	scaffold134	NW_004515711.1	336712	TT	AA	AA	INTERGENIC		
SNP_40903B_337151	scaffold134	NW_004515711.1	337151	TT	CC	CC	INTERGENIC		
SNP_40904B_364832	scaffold134	NW_004515711.1	364832	GG	AA	AA	URR	101504342	uncharacterized LOC101504342
SNP_40905B_364892	scaffold134	NW_004515711.1	364892	TT	CC	CC	URR	101504342	uncharacterized LOC101504342

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40906B_364915	scaffold134	NW_004515711.1	364915	AA	CC	CC	URR	101504342	uncharacterized LOC101504342
SNP_40908B_365205	scaffold134	NW_004515711.1	365205	AA	TT	TT	URR	101504342	uncharacterized LOC101504342
SNP_40909B_365236	scaffold134	NW_004515711.1	365236	GG	TT	TT	URR	101504342	uncharacterized LOC101504342
SNP_40910B_365237	scaffold134	NW_004515711.1	365237	AA	GG	GG	URR	101504342	uncharacterized LOC101504342
SNP_40911B_399419	scaffold134	NW_004515711.1	399419	TT	CC	CC	INTERGENIC		
SNP_40913B_451490	scaffold134	NW_004515711.1	451490	TT	GG	GG	INTERGENIC		
SNP_40914B_451491	scaffold134	NW_004515711.1	451491	AA	TT	TT	INTERGENIC		
SNP_40915B_472556	scaffold134	NW_004515711.1	472556	AA	CC	CC	INTERGENIC		
SNP_40916B_489638	scaffold134	NW_004515711.1	489638	TT	CC	CC	INTERGENIC		
SNP_40917B_556583	scaffold134	NW_004515711.1	556583	AA	GG	GG	INTRON	101504676	Unknown function
SNP_40918B_556589	scaffold134	NW_004515711.1	556589	CC	TT	TT	INTRON	101504676	Unknown function
SNP_40919B_562765	scaffold134	NW_004515711.1	562765	AA	TT	TT	URR	101504676	Unknown function
SNP_40920B_564146	scaffold134	NW_004515711.1	564146	AA	GG	GG	INTERGENIC		
SNP_40921B_260	scaffold135	NW_004515712.1	260	TT	CC	CC	INTERGENIC		
SNP_40922B_3480	scaffold135	NW_004515712.1	3480	TT	CC	CC	INTERGENIC		
SNP_40923B_3496	scaffold135	NW_004515712.1	3496	TT	CC	CC	INTERGENIC		
SNP_40924B_53259	scaffold135	NW_004515712.1	53259	TT	GG	GG	INTERGENIC		
SNP_40925B_53295	scaffold135	NW_004515712.1	53295	GG	CC	CC	INTERGENIC		
SNP_40926B_56896	scaffold135	NW_004515712.1	56896	AA	GG	GG	INTERGENIC		
SNP_40927B_57028	scaffold135	NW_004515712.1	57028	GG	AA	AA	INTERGENIC		
SNP_40928B_57115	scaffold135	NW_004515712.1	57115	CC	TT	TT	INTERGENIC		
SNP_40929B_57206	scaffold135	NW_004515712.1	57206	TT	AA	AA	INTERGENIC		
SNP_40930B_57408	scaffold135	NW_004515712.1	57408	CC	AA	AA	INTERGENIC		
SNP_40931B_57410	scaffold135	NW_004515712.1	57410	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40932B_57414	scaffold135	NW_004515712.1	57414	TT	AA	AA	INTERGENIC		
SNP_40933B_57421	scaffold135	NW_004515712.1	57421	AA	TT	TT	INTERGENIC		
SNP_40934B_57550	scaffold135	NW_004515712.1	57550	CC	TT	TT	INTERGENIC		
SNP_40935B_57636	scaffold135	NW_004515712.1	57636	TT	CC	CC	INTERGENIC		
SNP_40936B_73775	scaffold135	NW_004515712.1	73775	CC	GG	GG	INTERGENIC		
SNP_40937B_95342	scaffold135	NW_004515712.1	95342	TT	CC	CC	INTERGENIC		
SNP_40938B_95962	scaffold135	NW_004515712.1	95962	CC	AA	AA	INTERGENIC		
SNP_40939B_96032	scaffold135	NW_004515712.1	96032	AA	TT	TT	INTERGENIC		
SNP_40940B_96464	scaffold135	NW_004515712.1	96464	CC	AA	AA	INTERGENIC		
SNP_40941B_113198	scaffold135	NW_004515712.1	113198	GG	AA	AA	INTERGENIC		
SNP_40943B_115487	scaffold135	NW_004515712.1	115487	TT	CC	CC	INTERGENIC		
SNP_40944B_115594	scaffold135	NW_004515712.1	115594	TT	CC	CC	INTERGENIC		
SNP_40945B_115603	scaffold135	NW_004515712.1	115603	TT	CC	CC	INTERGENIC		
SNP_40946B_115623	scaffold135	NW_004515712.1	115623	TT	CC	CC	INTERGENIC		
SNP_40947B_115625	scaffold135	NW_004515712.1	115625	AA	TT	TT	INTERGENIC		
SNP_40948B_115629	scaffold135	NW_004515712.1	115629	GG	AA	AA	INTERGENIC		
SNP_40949B_115717	scaffold135	NW_004515712.1	115717	CC	TT	TT	INTERGENIC		
SNP_40950B_115891	scaffold135	NW_004515712.1	115891	CC	TT	TT	INTERGENIC		
SNP_40951B_115911	scaffold135	NW_004515712.1	115911	TT	CC	CC	INTERGENIC		
SNP_40952B_115923	scaffold135	NW_004515712.1	115923	CC	TT	TT	INTERGENIC		
SNP_40953B_115924	scaffold135	NW_004515712.1	115924	AA	GG	GG	INTERGENIC		
SNP_40954B_115985	scaffold135	NW_004515712.1	115985	CC	TT	TT	INTERGENIC		
SNP_40955B_1164	scaffold136	NW_004515713.1	1164	AA	TT	TT	INTERGENIC		
SNP_40957B_7442	scaffold140	NW_004515715.1	7442	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40958B_15962	scaffold140	NW_004515715.1	15962	AA	TT	TT	INTERGENIC		
SNP_40960B_25822	scaffold140	NW_004515715.1	25822	GG	AA	AA	INTERGENIC		
SNP_40961B_25823	scaffold140	NW_004515715.1	25823	TT	GG	GG	INTERGENIC		
SNP_40962B_27358	scaffold140	NW_004515715.1	27358	TT	GG	GG	INTERGENIC		
SNP_40963B_36798	scaffold140	NW_004515715.1	36798	AA	TT	TT	INTERGENIC		
SNP_40964B_37034	scaffold140	NW_004515715.1	37034	TT	CC	CC	INTERGENIC		
SNP_40965B_37135	scaffold140	NW_004515715.1	37135	TT	AA	AA	INTERGENIC		
SNP_40966B_37256	scaffold140	NW_004515715.1	37256	AA	TT	TT	INTERGENIC		
SNP_40967B_37293	scaffold140	NW_004515715.1	37293	AA	GG	GG	INTERGENIC		
SNP_40968B_49678	scaffold140	NW_004515715.1	49678	AA	TT	TT	INTERGENIC		
SNP_40969B_14090	scaffold141	NW_004515716.1	14090	CC	TT	TT	INTERGENIC		
SNP_40970B_14442	scaffold141	NW_004515716.1	14442	TT	CC	CC	INTERGENIC		
SNP_40971B_15983	scaffold141	NW_004515716.1	15983	GG	AA	AA	INTERGENIC		
SNP_40972B_16385	scaffold141	NW_004515716.1	16385	AA	TT	TT	INTERGENIC		
SNP_40973B_16866	scaffold141	NW_004515716.1	16866	CC	TT	TT	INTERGENIC		
SNP_40974B_16991	scaffold141	NW_004515716.1	16991	AA	GG	GG	INTERGENIC		
SNP_40975B_18079	scaffold141	NW_004515716.1	18079	CC	TT	TT	INTERGENIC		
SNP_40976B_18408	scaffold141	NW_004515716.1	18408	CC	GG	GG	INTERGENIC		
SNP_40977B_29637	scaffold141	NW_004515716.1	29637	GG	AA	AA	INTERGENIC		
SNP_40978B_48468	scaffold141	NW_004515716.1	48468	AA	GG	GG	INTERGENIC		
SNP_40979B_55914	scaffold141	NW_004515716.1	55914	TT	CC	CC	INTERGENIC		
SNP_40980B_56211	scaffold141	NW_004515716.1	56211	GG	AA	AA	INTERGENIC		
SNP_40981B_56419	scaffold141	NW_004515716.1	56419	AA	GG	GG	INTERGENIC		
SNP_40982B_56426	scaffold141	NW_004515716.1	56426	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_40983B_67014	scaffold141	NW_004515716.1	67014	AA	CC	CC	INTERGENIC		
SNP_40984B_67060	scaffold141	NW_004515716.1	67060	AA	GG	GG	INTERGENIC		
SNP_40985B_67171	scaffold141	NW_004515716.1	67171	TT	CC	CC	INTERGENIC		
SNP_40986B_67226	scaffold141	NW_004515716.1	67226	AA	CC	CC	INTERGENIC		
SNP_40987B_68708	scaffold141	NW_004515716.1	68708	CC	TT	TT	INTERGENIC		
SNP_40988B_68875	scaffold141	NW_004515716.1	68875	GG	TT	TT	INTERGENIC		
SNP_40989B_69215	scaffold141	NW_004515716.1	69215	TT	GG	GG	INTERGENIC		
SNP_40990B_101795	scaffold141	NW_004515716.1	101795	TT	CC	CC	INTERGENIC		
SNP_40991B_114437	scaffold141	NW_004515716.1	114437	CC	GG	GG	INTERGENIC		
SNP_40992B_132781	scaffold141	NW_004515716.1	132781	TT	GG	GG	INTERGENIC		
SNP_40993B_132905	scaffold141	NW_004515716.1	132905	TT	AA	AA	INTERGENIC		
SNP_40994B_133103	scaffold141	NW_004515716.1	133103	TT	CC	CC	INTERGENIC		
SNP_40995B_133150	scaffold141	NW_004515716.1	133150	TT	GG	GG	INTERGENIC		
SNP_40996B_133166	scaffold141	NW_004515716.1	133166	CC	TT	TT	INTERGENIC		
SNP_40997B_133169	scaffold141	NW_004515716.1	133169	TT	GG	GG	INTERGENIC		
SNP_40998B_133237	scaffold141	NW_004515716.1	133237	AA	CC	CC	INTERGENIC		
SNP_40999B_138695	scaffold141	NW_004515716.1	138695	GG	TT	TT	INTERGENIC		
SNP_41000B_139720	scaffold141	NW_004515716.1	139720	AA	GG	GG	INTERGENIC		
SNP_41001B_139862	scaffold141	NW_004515716.1	139862	TT	GG	GG	INTERGENIC		
SNP_41002B_139951	scaffold141	NW_004515716.1	139951	TT	CC	CC	INTERGENIC		
SNP_41003B_140185	scaffold141	NW_004515716.1	140185	TT	GG	GG	INTERGENIC		
SNP_41004B_146722	scaffold141	NW_004515716.1	146722	AA	GG	GG	INTERGENIC		
SNP_41005B_147487	scaffold141	NW_004515716.1	147487	AA	CC	CC	INTERGENIC		
SNP_41006B_147540	scaffold141	NW_004515716.1	147540	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41007B_147554	scaffold141	NW_004515716.1	147554	GG	CC	CC	INTERGENIC		
SNP_41008B_172027	scaffold141	NW_004515716.1	172027	AA	TT	TT	URR	101508111	Unknown function
SNP_41009B_172182	scaffold141	NW_004515716.1	172182	CC	GG	GG	URR	101508111	Unknown function
SNP_41010B_172226	scaffold141	NW_004515716.1	172226	AA	GG	GG	URR	101508111	Unknown function
SNP_41011B_172300	scaffold141	NW_004515716.1	172300	TT	AA	AA	INTERGENIC		
SNP_41012B_4689	scaffold142	NW_004515717.1	4689	GG	TT	TT	INTERGENIC		
SNP_41013B_4746	scaffold142	NW_004515717.1	4746	TT	GG	GG	INTERGENIC		
SNP_41014B_5347	scaffold142	NW_004515717.1	5347	AA	GG	GG	INTERGENIC		
SNP_41015B_14103	scaffold143	NW_004515718.1	14103	TT	CC	CC	INTERGENIC		
SNP_41016B_44090	scaffold143	NW_004515718.1	44090	CC	TT	TT	INTERGENIC		
SNP_41017B_67418	scaffold143	NW_004515718.1	67418	TT	CC	CC	INTERGENIC		
SNP_41018B_67472	scaffold143	NW_004515718.1	67472	AA	GG	GG	INTERGENIC		
SNP_41020B_67536	scaffold143	NW_004515718.1	67536	AA	TT	TT	INTERGENIC		
SNP_41021B_67578	scaffold143	NW_004515718.1	67578	CC	TT	TT	INTERGENIC		
SNP_41022B_67679	scaffold143	NW_004515718.1	67679	AA	TT	TT	INTERGENIC		
SNP_41023B_67698	scaffold143	NW_004515718.1	67698	AA	TT	TT	INTERGENIC		
SNP_41025B_67949	scaffold143	NW_004515718.1	67949	AA	GG	GG	INTERGENIC		
SNP_41026B_67988	scaffold143	NW_004515718.1	67988	TT	GG	GG	INTERGENIC		
SNP_41027B_68042	scaffold143	NW_004515718.1	68042	CC	TT	TT	INTERGENIC		
SNP_41028B_68057	scaffold143	NW_004515718.1	68057	AA	TT	TT	INTERGENIC		
SNP_41029B_84190	scaffold143	NW_004515718.1	84190	AA	CC	CC	INTERGENIC		
SNP_41030B_84191	scaffold143	NW_004515718.1	84191	GG	AA	AA	INTERGENIC		
SNP_41031B_121417	scaffold143	NW_004515718.1	121417	GG	AA	AA	INTERGENIC		
SNP_41032B_124538	scaffold143	NW_004515718.1	124538	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41033B_124818	scaffold143	NW_004515718.1	124818	GG	TT	TT	INTERGENIC		
SNP_41034B_152887	scaffold143	NW_004515718.1	152887	TT	CC	CC	INTERGENIC		
SNP_41035B_231083	scaffold143	NW_004515718.1	231083	AA	GG	GG	INTERGENIC		
SNP_41036B_234047	scaffold143	NW_004515718.1	234047	CC	TT	TT	INTERGENIC		
SNP_41037B_786	scaffold144	NW_004515719.1	786	CC	TT	TT	INTERGENIC		
SNP_41038B_852	scaffold144	NW_004515719.1	852	TT	AA	AA	INTERGENIC		
SNP_41039B_1790	scaffold144	NW_004515719.1	1790	AA	CC	CC	INTERGENIC		
SNP_41040B_3666	scaffold144	NW_004515719.1	3666	TT	GG	GG	INTERGENIC		
SNP_41041B_3864	scaffold144	NW_004515719.1	3864	GG	CC	CC	INTERGENIC		
SNP_41042B_3882	scaffold144	NW_004515719.1	3882	TT	AA	AA	INTERGENIC		
SNP_41043B_4028	scaffold144	NW_004515719.1	4028	AA	CC	CC	INTERGENIC		
SNP_41044B_17182	scaffold144	NW_004515719.1	17182	AA	GG	GG	INTERGENIC		
SNP_41045B_17201	scaffold144	NW_004515719.1	17201	CC	TT	TT	INTERGENIC		
SNP_41046B_17226	scaffold144	NW_004515719.1	17226	AA	GG	GG	INTERGENIC		
SNP_41047B_17670	scaffold144	NW_004515719.1	17670	TT	GG	GG	INTERGENIC		
SNP_41048B_17806	scaffold144	NW_004515719.1	17806	AA	CC	CC	INTERGENIC		
SNP_41049B_9656	scaffold146	NW_004515720.1	9656	AA	CC	CC	DRR	101510343	uncharacterized LOC101510343
SNP_41050B_9666	scaffold146	NW_004515720.1	9666	GG	CC	CC	DRR	101510343	uncharacterized LOC101510343
SNP_41051B_9671	scaffold146	NW_004515720.1	9671	TT	AA	AA	DRR	101510343	uncharacterized LOC101510343
SNP_41052B_9847	scaffold146	NW_004515720.1	9847	AA	GG	GG	DRR	101510343	uncharacterized LOC101510343
SNP_41053B_10029	scaffold146	NW_004515720.1	10029	CC	TT	TT	DRR	101510343	uncharacterized LOC101510343
SNP_41054B_10074	scaffold146	NW_004515720.1	10074	GG	AA	AA	DRR	101510343	uncharacterized LOC101510343
SNP_41055B_10418	scaffold146	NW_004515720.1	10418	CC	AA	AA	DRR	101510343	uncharacterized LOC101510343
SNP_41056B_12181	scaffold146	NW_004515720.1	12181	TT	CC	CC	URR	101510343	uncharacterized LOC101510343

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41057B_12186	scaffold146	NW_004515720.1	12186	AA	GG	GG	URR	101510343	uncharacterized LOC101510343
SNP_41058B_12221	scaffold146	NW_004515720.1	12221	GG	TT	TT	URR	101510343	uncharacterized LOC101510343
SNP_41059B_12226	scaffold146	NW_004515720.1	12226	AA	GG	GG	URR	101510343	uncharacterized LOC101510343
SNP_41060B_12233	scaffold146	NW_004515720.1	12233	TT	CC	CC	URR	101510343	uncharacterized LOC101510343
SNP_41061B_12258	scaffold146	NW_004515720.1	12258	CC	TT	TT	URR	101510343	uncharacterized LOC101510343
SNP_41062B_12284	scaffold146	NW_004515720.1	12284	CC	GG	GG	URR	101510343	uncharacterized LOC101510343
SNP_41063B_12316	scaffold146	NW_004515720.1	12316	TT	CC	CC	URR	101510343	uncharacterized LOC101510343
SNP_41064B_12384	scaffold146	NW_004515720.1	12384	TT	GG	GG	URR	101510343	uncharacterized LOC101510343
SNP_41065B_12408	scaffold146	NW_004515720.1	12408	GG	AA	AA	URR	101510343	uncharacterized LOC101510343
SNP_41066B_28125	scaffold146	NW_004515720.1	28125	AA	TT	TT	INTERGENIC		
SNP_41067B_37102	scaffold146	NW_004515720.1	37102	CC	TT	TT	INTERGENIC		
SNP_41068B_70113	scaffold146	NW_004515720.1	70113	AA	GG	GG	INTERGENIC		
SNP_41069B_70234	scaffold146	NW_004515720.1	70234	TT	CC	CC	INTERGENIC		
SNP_41070B_70235	scaffold146	NW_004515720.1	70235	AA	TT	TT	INTERGENIC		
SNP_41071B_70237	scaffold146	NW_004515720.1	70237	TT	CC	CC	INTERGENIC		
SNP_41072B_70514	scaffold146	NW_004515720.1	70514	AA	GG	GG	INTERGENIC		
SNP_41073B_70875	scaffold146	NW_004515720.1	70875	AA	GG	GG	INTERGENIC		
SNP_41074B_70881	scaffold146	NW_004515720.1	70881	GG	AA	AA	INTERGENIC		
SNP_41075B_70890	scaffold146	NW_004515720.1	70890	AA	GG	GG	INTERGENIC		
SNP_41076B_82138	scaffold146	NW_004515720.1	82138	AA	GG	GG	INTERGENIC		
SNP_41077B_82185	scaffold146	NW_004515720.1	82185	TT	GG	GG	INTERGENIC		
SNP_41078B_82510	scaffold146	NW_004515720.1	82510	TT	CC	CC	INTERGENIC		
SNP_41079B_82650	scaffold146	NW_004515720.1	82650	TT	AA	AA	INTERGENIC		
SNP_41080B_83317	scaffold146	NW_004515720.1	83317	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41081B_83318	scaffold146	NW_004515720.1	83318	AA	TT	TT	INTERGENIC		
SNP_41082B_83340	scaffold146	NW_004515720.1	83340	GG	TT	TT	INTERGENIC		
SNP_41083B_83351	scaffold146	NW_004515720.1	83351	AA	TT	TT	INTERGENIC		
SNP_41084B_83378	scaffold146	NW_004515720.1	83378	CC	TT	TT	INTERGENIC		
SNP_41085B_83380	scaffold146	NW_004515720.1	83380	AA	TT	TT	INTERGENIC		
SNP_41086B_83385	scaffold146	NW_004515720.1	83385	AA	GG	GG	INTERGENIC		
SNP_41087B_83400	scaffold146	NW_004515720.1	83400	CC	TT	TT	INTERGENIC		
SNP_41088B_83430	scaffold146	NW_004515720.1	83430	AA	GG	GG	INTERGENIC		
SNP_41089B_83447	scaffold146	NW_004515720.1	83447	TT	AA	AA	INTERGENIC		
SNP_41090B_83460	scaffold146	NW_004515720.1	83460	TT	GG	GG	INTERGENIC		
SNP_41091B_83527	scaffold146	NW_004515720.1	83527	GG	CC	CC	INTERGENIC		
SNP_41092B_83536	scaffold146	NW_004515720.1	83536	AA	CC	CC	INTERGENIC		
SNP_41093B_83708	scaffold146	NW_004515720.1	83708	CC	AA	AA	INTERGENIC		
SNP_41094B_83760	scaffold146	NW_004515720.1	83760	AA	TT	TT	INTERGENIC		
SNP_41095B_83770	scaffold146	NW_004515720.1	83770	TT	AA	AA	INTERGENIC		
SNP_41096B_84306	scaffold146	NW_004515720.1	84306	TT	AA	AA	INTERGENIC		
SNP_41097B_86293	scaffold146	NW_004515720.1	86293	TT	AA	AA	INTERGENIC		
SNP_41099B_860	scaffold151	NW_004515722.1	860	TT	AA	AA	INTERGENIC		
SNP_41100B_1159	scaffold151	NW_004515722.1	1159	AA	TT	TT	INTERGENIC		
SNP_41101B_1175	scaffold151	NW_004515722.1	1175	AA	GG	GG	INTERGENIC		
SNP_41103B_1499	scaffold151	NW_004515722.1	1499	AA	CC	CC	INTERGENIC		
SNP_41104B_1843	scaffold151	NW_004515722.1	1843	CC	GG	GG	INTERGENIC		
SNP_41105B_1847	scaffold151	NW_004515722.1	1847	AA	CC	CC	INTERGENIC		
SNP_41106B_1850	scaffold151	NW_004515722.1	1850	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41107B_1875	scaffold151	NW_004515722.1	1875	AA	CC	CC	INTERGENIC		
SNP_41108B_1889	scaffold151	NW_004515722.1	1889	CC	TT	TT	INTERGENIC		
SNP_41110B_4586	scaffold151	NW_004515722.1	4586	GG	TT	TT	INTERGENIC		
SNP_41111B_5423	scaffold151	NW_004515722.1	5423	AA	GG	GG	INTERGENIC		
SNP_41112B_6098	scaffold151	NW_004515722.1	6098	GG	TT	TT	INTERGENIC		
SNP_41113B_6302	scaffold151	NW_004515722.1	6302	TT	CC	CC	INTERGENIC		
SNP_41114B_6336	scaffold151	NW_004515722.1	6336	AA	GG	GG	INTERGENIC		
SNP_41115B_6472	scaffold151	NW_004515722.1	6472	AA	TT	TT	INTERGENIC		
SNP_41116B_6898	scaffold151	NW_004515722.1	6898	AA	GG	GG	INTERGENIC		
SNP_41117B_7043	scaffold151	NW_004515722.1	7043	AA	GG	GG	INTERGENIC		
SNP_41118B_7071	scaffold151	NW_004515722.1	7071	AA	GG	GG	INTERGENIC		
SNP_41119B_7096	scaffold151	NW_004515722.1	7096	TT	GG	GG	INTERGENIC		
SNP_41120B_7153	scaffold151	NW_004515722.1	7153	TT	CC	CC	INTERGENIC		
SNP_41121B_7176	scaffold151	NW_004515722.1	7176	GG	AA	AA	INTERGENIC		
SNP_41122B_7464	scaffold151	NW_004515722.1	7464	AA	GG	GG	INTERGENIC		
SNP_41123B_7522	scaffold151	NW_004515722.1	7522	GG	AA	AA	INTERGENIC		
SNP_41124B_7523	scaffold151	NW_004515722.1	7523	CC	TT	TT	INTERGENIC		
SNP_41125B_7566	scaffold151	NW_004515722.1	7566	GG	AA	AA	INTERGENIC		
SNP_41126B_7656	scaffold151	NW_004515722.1	7656	AA	GG	GG	INTERGENIC		
SNP_41127B_7787	scaffold151	NW_004515722.1	7787	AA	GG	GG	INTERGENIC		
SNP_41128B_9664	scaffold151	NW_004515722.1	9664	TT	CC	CC	INTERGENIC		
SNP_41129B_11038	scaffold151	NW_004515722.1	11038	TT	CC	CC	INTERGENIC		
SNP_41130B_11041	scaffold151	NW_004515722.1	11041	TT	CC	CC	INTERGENIC		
SNP_41131B_11237	scaffold151	NW_004515722.1	11237	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41133B_17511	scaffold151	NW_004515722.1	17511	TT	CC	CC	INTERGENIC		
SNP_41134B_18429	scaffold151	NW_004515722.1	18429	GG	AA	AA	INTERGENIC		
SNP_41135B_18638	scaffold151	NW_004515722.1	18638	GG	AA	AA	INTERGENIC		
SNP_41136B_18789	scaffold151	NW_004515722.1	18789	GG	AA	AA	INTERGENIC		
SNP_41137B_18874	scaffold151	NW_004515722.1	18874	AA	TT	TT	INTERGENIC		
SNP_41138B_19030	scaffold151	NW_004515722.1	19030	GG	AA	AA	INTERGENIC		
SNP_41139B_26901	scaffold151	NW_004515722.1	26901	CC	TT	TT	INTERGENIC		
SNP_41140B_27009	scaffold151	NW_004515722.1	27009	GG	CC	CC	INTERGENIC		
SNP_41141B_27016	scaffold151	NW_004515722.1	27016	TT	CC	CC	INTERGENIC		
SNP_41142B_27428	scaffold151	NW_004515722.1	27428	AA	TT	TT	INTERGENIC		
SNP_41143B_27429	scaffold151	NW_004515722.1	27429	TT	AA	AA	INTERGENIC		
SNP_41144B_28234	scaffold151	NW_004515722.1	28234	CC	TT	TT	INTERGENIC		
SNP_41145B_28547	scaffold151	NW_004515722.1	28547	GG	AA	AA	INTERGENIC		
SNP_41146B_28613	scaffold151	NW_004515722.1	28613	CC	AA	AA	INTERGENIC		
SNP_41147B_28884	scaffold151	NW_004515722.1	28884	CC	AA	AA	INTERGENIC		
SNP_41148B_29369	scaffold151	NW_004515722.1	29369	TT	AA	AA	INTERGENIC		
SNP_41149B_35733	scaffold151	NW_004515722.1	35733	CC	GG	GG	INTERGENIC		
SNP_41150B_35740	scaffold151	NW_004515722.1	35740	AA	GG	GG	INTERGENIC		
SNP_41151B_35741	scaffold151	NW_004515722.1	35741	CC	TT	TT	INTERGENIC		
SNP_41152B_35768	scaffold151	NW_004515722.1	35768	TT	CC	CC	INTERGENIC		
SNP_41153B_35802	scaffold151	NW_004515722.1	35802	TT	AA	AA	INTERGENIC		
SNP_41154B_35812	scaffold151	NW_004515722.1	35812	AA	CC	CC	INTERGENIC		
SNP_41155B_35875	scaffold151	NW_004515722.1	35875	GG	AA	AA	INTERGENIC		
SNP_41156B_35898	scaffold151	NW_004515722.1	35898	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41158B_36091	scaffold151	NW_004515722.1	36091	TT	AA	AA	INTERGENIC		
SNP_41159B_36108	scaffold151	NW_004515722.1	36108	AA	GG	GG	INTERGENIC		
SNP_41160B_42342	scaffold151	NW_004515722.1	42342	AA	GG	GG	INTERGENIC		
SNP_41162B_42369	scaffold151	NW_004515722.1	42369	CC	GG	GG	INTERGENIC		
SNP_41163B_42549	scaffold151	NW_004515722.1	42549	TT	CC	CC	INTERGENIC		
SNP_41164B_42562	scaffold151	NW_004515722.1	42562	TT	AA	AA	INTERGENIC		
SNP_41165B_42773	scaffold151	NW_004515722.1	42773	TT	CC	CC	INTERGENIC		
SNP_41166B_42813	scaffold151	NW_004515722.1	42813	AA	GG	GG	INTERGENIC		
SNP_41167B_42824	scaffold151	NW_004515722.1	42824	TT	AA	AA	INTERGENIC		
SNP_41168B_42857	scaffold151	NW_004515722.1	42857	TT	CC	CC	INTERGENIC		
SNP_41169B_44246	scaffold151	NW_004515722.1	44246	TT	AA	AA	INTERGENIC		
SNP_41170B_63696	scaffold151	NW_004515722.1	63696	GG	TT	TT	INTERGENIC		
SNP_41171B_65877	scaffold151	NW_004515722.1	65877	CC	TT	TT	INTERGENIC		
SNP_41173B_107122	scaffold151	NW_004515722.1	107122	TT	CC	CC	INTERGENIC		
SNP_41174B_205487	scaffold151	NW_004515722.1	205487	GG	TT	TT	INTERGENIC		
SNP_41175B_217474	scaffold151	NW_004515722.1	217474	GG	CC	CC	INTERGENIC		
SNP_41177B_222272	scaffold151	NW_004515722.1	222272	CC	GG	GG	INTERGENIC		
SNP_41178B_224186	scaffold151	NW_004515722.1	224186	AA	GG	GG	INTERGENIC		
SNP_41179B_282298	scaffold151	NW_004515722.1	282298	AA	CC	CC	INTERGENIC		
SNP_41180B_311509	scaffold151	NW_004515722.1	311509	TT	CC	CC	INTERGENIC		
SNP_41181B_6344	scaffold153	NW_004515723.1	6344	TT	GG	GG	INTERGENIC		
SNP_41182B_6634	scaffold153	NW_004515723.1	6634	TT	CC	CC	INTERGENIC		
SNP_41183B_19453	scaffold153	NW_004515723.1	19453	GG	AA	AA	INTERGENIC		
SNP_41184B_19484	scaffold153	NW_004515723.1	19484	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41185B_19673	scaffold153	NW_004515723.1	19673	TT	CC	CC	INTERGENIC		
SNP_41186B_19919	scaffold153	NW_004515723.1	19919	TT	AA	AA	INTERGENIC		
SNP_41187B_20050	scaffold153	NW_004515723.1	20050	TT	CC	CC	INTERGENIC		
SNP_41188B_20052	scaffold153	NW_004515723.1	20052	TT	CC	CC	INTERGENIC		
SNP_41189B_28122	scaffold153	NW_004515723.1	28122	GG	TT	TT	INTERGENIC		
SNP_41190B_28124	scaffold153	NW_004515723.1	28124	TT	GG	GG	INTERGENIC		
SNP_41191B_31059	scaffold153	NW_004515723.1	31059	GG	AA	AA	INTERGENIC		
SNP_41192B_31089	scaffold153	NW_004515723.1	31089	TT	GG	GG	INTERGENIC		
SNP_41193B_45804	scaffold153	NW_004515723.1	45804	GG	AA	AA	INTERGENIC		
SNP_41194B_51382	scaffold153	NW_004515723.1	51382	CC	TT	TT	INTERGENIC		
SNP_41195B_56474	scaffold153	NW_004515723.1	56474	AA	GG	GG	INTERGENIC		
SNP_41196B_80976	scaffold153	NW_004515723.1	80976	AA	GG	GG	INTERGENIC		
SNP_41197B_80999	scaffold153	NW_004515723.1	80999	TT	CC	CC	INTERGENIC		
SNP_41199B_81518	scaffold153	NW_004515723.1	81518	AA	TT	TT	INTERGENIC		
SNP_41200B_89899	scaffold153	NW_004515723.1	89899	TT	AA	AA	INTERGENIC		
SNP_41201B_89983	scaffold153	NW_004515723.1	89983	TT	CC	CC	INTERGENIC		
SNP_41202B_90006	scaffold153	NW_004515723.1	90006	TT	GG	GG	INTERGENIC		
SNP_41203B_90056	scaffold153	NW_004515723.1	90056	CC	TT	TT	INTERGENIC		
SNP_41204B_90141	scaffold153	NW_004515723.1	90141	AA	CC	CC	INTERGENIC		
SNP_41205B_92073	scaffold153	NW_004515723.1	92073	TT	CC	CC	INTERGENIC		
SNP_41206B_106521	scaffold153	NW_004515723.1	106521	AA	GG	GG	INTERGENIC		
SNP_41207B_107910	scaffold153	NW_004515723.1	107910	GG	AA	AA	INTERGENIC		
SNP_41209B_164533	scaffold157	NW_004515725.1	164533	TT	CC	CC	INTERGENIC		
SNP_41210B_169543	scaffold157	NW_004515725.1	169543	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41211B_169764	scaffold157	NW_004515725.1	169764	TT	CC	CC	INTERGENIC		
SNP_41212B_185476	scaffold157	NW_004515725.1	185476	GG	AA	AA	INTRON	101494137	E3 ubiquitin-protein ligase RNF4-like
SNP_41213B_248056	scaffold157	NW_004515725.1	248056	GG	AA	AA	INTERGENIC		
SNP_41214B_248057	scaffold157	NW_004515725.1	248057	AA	CC	CC	INTERGENIC		
SNP_41215B_254339	scaffold157	NW_004515725.1	254339	TT	GG	GG	INTERGENIC		
SNP_41216B_254361	scaffold157	NW_004515725.1	254361	CC	TT	TT	INTERGENIC		
SNP_41218B_257678	scaffold157	NW_004515725.1	257678	CC	TT	TT	URR	101495748	Unknown function
SNP_41219B_258179	scaffold157	NW_004515725.1	258179	AA	GG	GG	URR	101495748	Unknown function
SNP_41220B_258208	scaffold157	NW_004515725.1	258208	AA	GG	GG	URR	101495748	Unknown function
SNP_41221B_258220	scaffold157	NW_004515725.1	258220	AA	TT	TT	URR	101495748	Unknown function
SNP_41222B_280548	scaffold157	NW_004515725.1	280548	GG	AA	AA	INTERGENIC		
SNP_41223B_280775	scaffold157	NW_004515725.1	280775	TT	CC	CC	INTERGENIC		
SNP_41224B_281214	scaffold157	NW_004515725.1	281214	TT	CC	CC	INTERGENIC		
SNP_41225B_282757	scaffold157	NW_004515725.1	282757	TT	AA	AA	INTERGENIC		
SNP_41226B_289254	scaffold157	NW_004515725.1	289254	TT	AA	AA	INTERGENIC		
SNP_41228B_290655	scaffold157	NW_004515725.1	290655	TT	GG	GG	INTERGENIC		
SNP_41229B_303069	scaffold157	NW_004515725.1	303069	TT	CC	CC	INTERGENIC		
SNP_41230B_303897	scaffold157	NW_004515725.1	303897	TT	CC	CC	INTERGENIC		
SNP_41231B_305896	scaffold157	NW_004515725.1	305896	TT	CC	CC	INTERGENIC		
SNP_41232B_309574	scaffold157	NW_004515725.1	309574	CC	TT	TT	INTERGENIC		
SNP_41233B_315431	scaffold157	NW_004515725.1	315431	TT	GG	GG	DRR	101490247	uncharacterized LOC101490247
SNP_41234B_327600	scaffold157	NW_004515725.1	327600	CC	TT	TT	NON_SYNONYMOUS_CODING	id196630	Unknown function
SNP_41235B_328392	scaffold157	NW_004515725.1	328392	TT	CC	CC	URR	101490247	uncharacterized LOC101490247
SNP_41236B_328393	scaffold157	NW_004515725.1	328393	AA	GG	GG	URR	101490247	uncharacterized LOC101490247

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41237B_328657	scaffold157	NW_004515725.1	328657	GG	AA	AA	URR	101490247	uncharacterized LOC101490247
SNP_41238B_328702	scaffold157	NW_004515725.1	328702	TT	CC	CC	URR	101490247	uncharacterized LOC101490247
SNP_41239B_330564	scaffold157	NW_004515725.1	330564	GG	AA	AA	INTERGENIC		
SNP_41240B_330623	scaffold157	NW_004515725.1	330623	AA	GG	GG	INTERGENIC		
SNP_41241B_330637	scaffold157	NW_004515725.1	330637	TT	GG	GG	INTERGENIC		
SNP_41242B_330671	scaffold157	NW_004515725.1	330671	TT	CC	CC	INTERGENIC		
SNP_41243B_330676	scaffold157	NW_004515725.1	330676	AA	GG	GG	INTERGENIC		
SNP_41244B_330724	scaffold157	NW_004515725.1	330724	GG	AA	AA	INTERGENIC		
SNP_41245B_330730	scaffold157	NW_004515725.1	330730	AA	GG	GG	INTERGENIC		
SNP_41246B_330736	scaffold157	NW_004515725.1	330736	AA	GG	GG	INTERGENIC		
SNP_41248B_330873	scaffold157	NW_004515725.1	330873	TT	CC	CC	INTERGENIC		
SNP_41249B_330893	scaffold157	NW_004515725.1	330893	AA	TT	TT	INTERGENIC		
SNP_41250B_330991	scaffold157	NW_004515725.1	330991	AA	GG	GG	INTERGENIC		
SNP_41251B_330993	scaffold157	NW_004515725.1	330993	AA	GG	GG	INTERGENIC		
SNP_41252B_331003	scaffold157	NW_004515725.1	331003	GG	AA	AA	INTERGENIC		
SNP_41253B_331020	scaffold157	NW_004515725.1	331020	CC	GG	GG	INTERGENIC		
SNP_41254B_331119	scaffold157	NW_004515725.1	331119	AA	GG	GG	INTERGENIC		
SNP_41255B_332692	scaffold157	NW_004515725.1	332692	GG	AA	AA	DRR	101496070	serine/threonine-protein phosphatase 7 long form homolog
SNP_41256B_334515	scaffold157	NW_004515725.1	334515	TT	CC	CC	URR	101496070	serine/threonine-protein phosphatase 7 long form homolog
SNP_41257B_336847	scaffold157	NW_004515725.1	336847	AA	TT	TT	INTERGENIC		
SNP_41258B_338379	scaffold157	NW_004515725.1	338379	GG	TT	TT	INTERGENIC		
SNP_41259B_338402	scaffold157	NW_004515725.1	338402	GG	AA	AA	INTERGENIC		
SNP_41260B_348751	scaffold157	NW_004515725.1	348751	AA	TT	TT	INTERGENIC		
SNP_41261B_352147	scaffold157	NW_004515725.1	352147	AA	TT	TT	INTRON	101491109	uncharacterized LOC101491109

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41263B_359201	scaffold157	NW_004515725.1	359201	AA	CC	CC	URR	101491109	uncharacterized LOC101491109
SNP_41264B_359210	scaffold157	NW_004515725.1	359210	TT	CC	CC	URR	101491109	uncharacterized LOC101491109
SNP_41265B_359229	scaffold157	NW_004515725.1	359229	CC	TT	TT	URR	101491109	uncharacterized LOC101491109
SNP_41266B_359232	scaffold157	NW_004515725.1	359232	GG	TT	TT	URR	101491109	uncharacterized LOC101491109
SNP_41268B_359828	scaffold157	NW_004515725.1	359828	AA	CC	CC	URR	101491109	uncharacterized LOC101491109
SNP_41269B_360231	scaffold157	NW_004515725.1	360231	AA	GG	GG	URR	101491109	uncharacterized LOC101491109
SNP_41270B_362640	scaffold157	NW_004515725.1	362640	GG	AA	AA	URR	101496398	serpin-ZX-like
SNP_41271B_403328	scaffold157	NW_004515725.1	403328	AA	GG	GG	DRR	101496731	Unknown function
SNP_41272B_489403	scaffold157	NW_004515725.1	489403	CC	GG	GG	INTERGENIC		
SNP_41273B_515144	scaffold157	NW_004515725.1	515144	AA	GG	GG	INTERGENIC		
SNP_41274B_533961	scaffold157	NW_004515725.1	533961	CC	TT	TT	INTERGENIC		
SNP_41275B_28264	scaffold158	NW_004515726.1	28264	TT	CC	CC	INTERGENIC		
SNP_41276B_80096	scaffold158	NW_004515726.1	80096	GG	CC	CC	DRR	101498027	Unknown function
SNP_41277B_121931	scaffold158	NW_004515726.1	121931	GG	TT	TT	URR	101497703	Unknown function
SNP_41278B_121958	scaffold158	NW_004515726.1	121958	CC	TT	TT	URR	101497703	Unknown function
SNP_41279B_121978	scaffold158	NW_004515726.1	121978	AA	CC	CC	URR	101497703	Unknown function
SNP_41280B_131630	scaffold158	NW_004515726.1	131630	GG	AA	AA	INTRON	101498699	late cornified envelope-like proline-rich protein 1
SNP_41282B_131652	scaffold158	NW_004515726.1	131652	TT	CC	CC	INTRON	101498699	late cornified envelope-like proline-rich protein 1
SNP_41283B_131701	scaffold158	NW_004515726.1	131701	CC	TT	TT	INTRON	101498699	late cornified envelope-like proline-rich protein 1
SNP_41284B_131754	scaffold158	NW_004515726.1	131754	CC	AA	AA	INTRON	101498699	late cornified envelope-like proline-rich protein 1
SNP_41285B_131762	scaffold158	NW_004515726.1	131762	AA	GG	GG	INTRON	101498699	late cornified envelope-like proline-rich protein 1
SNP_41286B_131797	scaffold158	NW_004515726.1	131797	TT	CC	CC	INTRON	101498699	late cornified envelope-like proline-rich protein 1
SNP_41287B_131953	scaffold158	NW_004515726.1	131953	AA	TT	TT	INTRON	101498699	late cornified envelope-like proline-rich protein 1
SNP_41288B_132136	scaffold158	NW_004515726.1	132136	AA	CC	CC	INTRON	101498699	late cornified envelope-like proline-rich protein 1

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41289B_132228	scaffold158	NW_004515726.1	132228	TT	GG	GG	INTRON	101498699	late cornified envelope-like proline-rich protein 1
SNP_41291B_40681	scaffold166	NW_004515728.1	40681	AA	GG	GG	INTERGENIC		
SNP_41292B_60948	scaffold166	NW_004515728.1	60948	GG	AA	AA	INTERGENIC		
SNP_41294B_98781	scaffold166	NW_004515728.1	98781	TT	GG	GG	INTERGENIC		
SNP_41295B_99164	scaffold166	NW_004515728.1	99164	AA	GG	GG	INTERGENIC		
SNP_41296B_108734	scaffold166	NW_004515728.1	108734	CC	TT	TT	INTERGENIC		
SNP_41297B_134141	scaffold166	NW_004515728.1	134141	TT	AA	AA	INTERGENIC		
SNP_41298B_166807	scaffold166	NW_004515728.1	166807	AA	TT	TT	INTERGENIC		
SNP_41299B_166814	scaffold166	NW_004515728.1	166814	AA	GG	GG	INTERGENIC		
SNP_41300B_196836	scaffold166	NW_004515728.1	196836	TT	GG	GG	INTERGENIC		
SNP_41301B_196891	scaffold166	NW_004515728.1	196891	CC	GG	GG	INTERGENIC		
SNP_41302B_196945	scaffold166	NW_004515728.1	196945	CC	GG	GG	INTERGENIC		
SNP_41303B_199898	scaffold166	NW_004515728.1	199898	AA	GG	GG	INTERGENIC		
SNP_41304B_212563	scaffold166	NW_004515728.1	212563	GG	TT	TT	INTERGENIC		
SNP_41305B_227286	scaffold166	NW_004515728.1	227286	CC	TT	TT	INTERGENIC		
SNP_41306B_227305	scaffold166	NW_004515728.1	227305	GG	TT	TT	INTERGENIC		
SNP_41308B_227643	scaffold166	NW_004515728.1	227643	CC	TT	TT	INTERGENIC		
SNP_41309B_284799	scaffold166	NW_004515728.1	284799	GG	AA	AA	INTERGENIC		
SNP_41310B_285053	scaffold166	NW_004515728.1	285053	GG	AA	AA	INTERGENIC		
SNP_41311B_294362	scaffold166	NW_004515728.1	294362	TT	GG	GG	INTERGENIC		
SNP_41312B_298924	scaffold166	NW_004515728.1	298924	GG	TT	TT	INTERGENIC		
SNP_41313B_298972	scaffold166	NW_004515728.1	298972	GG	TT	TT	INTERGENIC		
SNP_41314B_299005	scaffold166	NW_004515728.1	299005	CC	TT	TT	INTERGENIC		
SNP_41315B_299022	scaffold166	NW_004515728.1	299022	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41316B_299028	scaffold166	NW_004515728.1	299028	AA	GG	GG	INTERGENIC		
SNP_41317B_299078	scaffold166	NW_004515728.1	299078	AA	TT	TT	INTERGENIC		
SNP_41318B_299117	scaffold166	NW_004515728.1	299117	CC	TT	TT	INTERGENIC		
SNP_41319B_299137	scaffold166	NW_004515728.1	299137	TT	CC	CC	INTERGENIC		
SNP_41320B_299146	scaffold166	NW_004515728.1	299146	TT	CC	CC	INTERGENIC		
SNP_41321B_299340	scaffold166	NW_004515728.1	299340	TT	GG	GG	INTERGENIC		
SNP_41322B_6144	scaffold167	NW_004515729.1	6144	TT	CC	CC	INTERGENIC		
SNP_41323B_6272	scaffold167	NW_004515729.1	6272	TT	AA	AA	INTERGENIC		
SNP_41324B_6346	scaffold167	NW_004515729.1	6346	CC	TT	TT	INTERGENIC		
SNP_41325B_10130	scaffold167	NW_004515729.1	10130	GG	TT	TT	INTERGENIC		
SNP_41327B_38705	scaffold167	NW_004515729.1	38705	TT	CC	CC	NON_SYNONYMOUS_CODING	101506166	Unknown function
SNP_41328B_38766	scaffold167	NW_004515729.1	38766	GG	CC	CC	NON_SYNONYMOUS_CODING	101506166	Unknown function
SNP_41329B_39139	scaffold167	NW_004515729.1	39139	TT	CC	CC	NON_SYNONYMOUS_CODING	101506166	Unknown function
SNP_41330B_39197	scaffold167	NW_004515729.1	39197	TT	GG	GG	NON_SYNONYMOUS_CODING	101506166	Unknown function
SNP_41331B_39229	scaffold167	NW_004515729.1	39229	TT	AA	AA	INTRON	101506166	Unknown function
SNP_41332B_63039	scaffold167	NW_004515729.1	63039	GG	CC	CC	INTERGENIC		
SNP_41333B_63075	scaffold167	NW_004515729.1	63075	AA	GG	GG	INTERGENIC		
SNP_41335B_67993	scaffold167	NW_004515729.1	67993	AA	TT	TT	INTERGENIC		
SNP_41336B_68359	scaffold167	NW_004515729.1	68359	GG	AA	TT	INTERGENIC		
SNP_41337B_68372	scaffold167	NW_004515729.1	68372	TT	CC	CC	INTERGENIC		
SNP_41338B_68440	scaffold167	NW_004515729.1	68440	TT	CC	CC	INTERGENIC		
SNP_41339B_68453	scaffold167	NW_004515729.1	68453	GG	CC	CC	INTERGENIC		
SNP_41340B_152983	scaffold167	NW_004515729.1	152983	TT	GG	GG	INTERGENIC		
SNP_41341B_153163	scaffold167	NW_004515729.1	153163	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41343B_217802	scaffold167	NW_004515729.1	217802	AA	CC	CC	INTERGENIC		
SNP_41344B_217816	scaffold167	NW_004515729.1	217816	TT	GG	GG	INTERGENIC		
SNP_41345B_217837	scaffold167	NW_004515729.1	217837	AA	GG	GG	INTERGENIC		
SNP_41346B_217893	scaffold167	NW_004515729.1	217893	GG	AA	AA	INTERGENIC		
SNP_41347B_217925	scaffold167	NW_004515729.1	217925	TT	CC	CC	INTERGENIC		
SNP_41348B_217951	scaffold167	NW_004515729.1	217951	GG	AA	AA	INTERGENIC		
SNP_41349B_219289	scaffold167	NW_004515729.1	219289	AA	GG	GG	INTERGENIC		
SNP_41351B_219332	scaffold167	NW_004515729.1	219332	TT	AA	AA	INTERGENIC		
SNP_41352B_219384	scaffold167	NW_004515729.1	219384	AA	GG	GG	INTERGENIC		
SNP_41353B_219597	scaffold167	NW_004515729.1	219597	TT	CC	CC	INTERGENIC		
SNP_41354B_219980	scaffold167	NW_004515729.1	219980	AA	GG	GG	INTERGENIC		
SNP_41355B_219992	scaffold167	NW_004515729.1	219992	AA	GG	GG	INTERGENIC		
SNP_41356B_220003	scaffold167	NW_004515729.1	220003	AA	GG	GG	INTERGENIC		
SNP_41357B_220059	scaffold167	NW_004515729.1	220059	CC	GG	GG	INTERGENIC		
SNP_41358B_220063	scaffold167	NW_004515729.1	220063	CC	TT	TT	INTERGENIC		
SNP_41359B_220072	scaffold167	NW_004515729.1	220072	TT	CC	CC	INTERGENIC		
SNP_41360B_220191	scaffold167	NW_004515729.1	220191	AA	GG	GG	INTERGENIC		
SNP_41361B_220229	scaffold167	NW_004515729.1	220229	AA	CC	CC	INTERGENIC		
SNP_41362B_220301	scaffold167	NW_004515729.1	220301	AA	CC	CC	INTERGENIC		
SNP_41363B_220303	scaffold167	NW_004515729.1	220303	GG	AA	AA	INTERGENIC		
SNP_41364B_222648	scaffold167	NW_004515729.1	222648	GG	AA	AA	INTERGENIC		
SNP_41365B_288900	scaffold167	NW_004515729.1	288900	AA	TT	TT	INTRON	101504772	sulfite oxidase-like
SNP_41366B_288904	scaffold167	NW_004515729.1	288904	CC	TT	TT	INTRON	101504772	sulfite oxidase-like
SNP_41368B_295259	scaffold167	NW_004515729.1	295259	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41369B_298616	scaffold167	NW_004515729.1	298616	AA	GG	GG	INTERGENIC		
SNP_41370B_303097	scaffold167	NW_004515729.1	303097	AA	GG	GG	INTERGENIC		
SNP_41371B_303098	scaffold167	NW_004515729.1	303098	CC	AA	AA	INTERGENIC		
SNP_41372B_303103	scaffold167	NW_004515729.1	303103	CC	TT	TT	INTERGENIC		
SNP_41373B_303143	scaffold167	NW_004515729.1	303143	TT	CC	CC	INTERGENIC		
SNP_41374B_303222	scaffold167	NW_004515729.1	303222	GG	TT	TT	INTERGENIC		
SNP_41375B_303286	scaffold167	NW_004515729.1	303286	AA	GG	GG	INTERGENIC		
SNP_41376B_303429	scaffold167	NW_004515729.1	303429	GG	AA	AA	INTERGENIC		
SNP_41377B_303524	scaffold167	NW_004515729.1	303524	GG	TT	TT	INTERGENIC		
SNP_41378B_303534	scaffold167	NW_004515729.1	303534	AA	GG	GG	INTERGENIC		
SNP_41379B_303553	scaffold167	NW_004515729.1	303553	AA	GG	GG	INTERGENIC		
SNP_41380B_304581	scaffold167	NW_004515729.1	304581	TT	CC	CC	INTERGENIC		
SNP_41381B_320806	scaffold167	NW_004515729.1	320806	AA	GG	GG	INTERGENIC		
SNP_41382B_320872	scaffold167	NW_004515729.1	320872	AA	CC	CC	INTERGENIC		
SNP_41383B_323198	scaffold167	NW_004515729.1	323198	CC	TT	TT	INTERGENIC		
SNP_41384B_323210	scaffold167	NW_004515729.1	323210	CC	TT	TT	INTERGENIC		
SNP_41385B_331993	scaffold167	NW_004515729.1	331993	CC	TT	TT	INTERGENIC		
SNP_41386B_332023	scaffold167	NW_004515729.1	332023	TT	CC	CC	INTERGENIC		
SNP_41387B_332305	scaffold167	NW_004515729.1	332305	GG	TT	TT	INTERGENIC		
SNP_41388B_332306	scaffold167	NW_004515729.1	332306	TT	AA	AA	INTERGENIC		
SNP_41389B_332321	scaffold167	NW_004515729.1	332321	AA	GG	GG	INTERGENIC		
SNP_41390B_332358	scaffold167	NW_004515729.1	332358	GG	AA	AA	INTERGENIC		
SNP_41391B_415324	scaffold167	NW_004515729.1	415324	TT	CC	CC	INTERGENIC		
SNP_41392B_447299	scaffold167	NW_004515729.1	447299	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41393B_449656	scaffold167	NW_004515729.1	449656	CC	TT	TT	INTERGENIC		
SNP_41394B_4669	scaffold170	NW_004515730.1	4669	TT	CC	CC	INTERGENIC		
SNP_41395B_13454	scaffold170	NW_004515730.1	13454	GG	AA	AA	INTERGENIC		
SNP_41396B_13504	scaffold170	NW_004515730.1	13504	TT	CC	CC	INTERGENIC		
SNP_41397B_13723	scaffold170	NW_004515730.1	13723	AA	GG	GG	INTERGENIC		
SNP_41398B_8159	scaffold171	NW_004515731.1	8159	TT	CC	CC	INTERGENIC		
SNP_41399B_12748	scaffold171	NW_004515731.1	12748	CC	GG	GG	INTERGENIC		
SNP_41400B_15435	scaffold171	NW_004515731.1	15435	AA	GG	GG	INTERGENIC		
SNP_41401B_19475	scaffold171	NW_004515731.1	19475	AA	GG	GG	INTERGENIC		
SNP_41402B_21917	scaffold171	NW_004515731.1	21917	AA	GG	GG	INTERGENIC		
SNP_41403B_26057	scaffold171	NW_004515731.1	26057	AA	TT	TT	INTERGENIC		
SNP_41404B_26486	scaffold171	NW_004515731.1	26486	AA	CC	CC	INTERGENIC		
SNP_41405B_26523	scaffold171	NW_004515731.1	26523	TT	GG	GG	INTERGENIC		
SNP_41406B_27040	scaffold171	NW_004515731.1	27040	TT	GG	GG	INTERGENIC		
SNP_41407B_46292	scaffold171	NW_004515731.1	46292	GG	AA	AA	INTERGENIC		
SNP_41408B_48372	scaffold171	NW_004515731.1	48372	GG	AA	AA	INTERGENIC		
SNP_41409B_49100	scaffold171	NW_004515731.1	49100	TT	CC	CC	INTERGENIC		
SNP_41410B_57841	scaffold171	NW_004515731.1	57841	CC	AA	AA	INTERGENIC		
SNP_41411B_58019	scaffold171	NW_004515731.1	58019	GG	AA	AA	INTERGENIC		
SNP_41412B_58391	scaffold171	NW_004515731.1	58391	CC	TT	TT	INTERGENIC		
SNP_41413B_107215	scaffold171	NW_004515731.1	107215	CC	TT	TT	INTERGENIC		
SNP_41414B_119993	scaffold171	NW_004515731.1	119993	AA	GG	GG	INTERGENIC		
SNP_41415B_121603	scaffold171	NW_004515731.1	121603	GG	CC	CC	INTERGENIC		
SNP_41416B_121851	scaffold171	NW_004515731.1	121851	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41417B_129781	scaffold171	NW_004515731.1	129781	AA	CC	CC	INTERGENIC		
SNP_41418B_129815	scaffold171	NW_004515731.1	129815	TT	CC	CC	INTERGENIC		
SNP_41419B_130118	scaffold171	NW_004515731.1	130118	TT	CC	CC	INTERGENIC		
SNP_41420B_130458	scaffold171	NW_004515731.1	130458	CC	GG	GG	INTERGENIC		
SNP_41421B_135849	scaffold171	NW_004515731.1	135849	TT	CC	CC	INTERGENIC		
SNP_41422B_135952	scaffold171	NW_004515731.1	135952	AA	GG	GG	INTERGENIC		
SNP_41423B_136040	scaffold171	NW_004515731.1	136040	GG	AA	AA	INTERGENIC		
SNP_41424B_136051	scaffold171	NW_004515731.1	136051	GG	AA	AA	INTERGENIC		
SNP_41425B_137095	scaffold171	NW_004515731.1	137095	TT	AA	AA	INTERGENIC		
SNP_41426B_137153	scaffold171	NW_004515731.1	137153	AA	GG	GG	INTERGENIC		
SNP_41427B_137945	scaffold171	NW_004515731.1	137945	GG	AA	AA	INTERGENIC		
SNP_41428B_137946	scaffold171	NW_004515731.1	137946	TT	AA	AA	INTERGENIC		
SNP_41429B_142559	scaffold171	NW_004515731.1	142559	CC	AA	AA	INTERGENIC		
SNP_41430B_142564	scaffold171	NW_004515731.1	142564	GG	AA	AA	INTERGENIC		
SNP_41431B_142570	scaffold171	NW_004515731.1	142570	AA	GG	GG	INTERGENIC		
SNP_41432B_145655	scaffold171	NW_004515731.1	145655	TT	CC	CC	INTERGENIC		
SNP_41433B_182491	scaffold171	NW_004515731.1	182491	GG	AA	AA	INTERGENIC		
SNP_41434B_182602	scaffold171	NW_004515731.1	182602	TT	AA	AA	INTERGENIC		
SNP_41435B_192974	scaffold171	NW_004515731.1	192974	AA	CC	CC	INTERGENIC		
SNP_41436B_200039	scaffold171	NW_004515731.1	200039	TT	GG	GG	INTERGENIC		
SNP_41437B_217406	scaffold171	NW_004515731.1	217406	TT	GG	GG	URR	101510345	uncharacterized LOC101510345
SNP_41438B_219159	scaffold171	NW_004515731.1	219159	CC	TT	TT	URR	101510345	uncharacterized LOC101510345
SNP_41439B_219268	scaffold171	NW_004515731.1	219268	GG	AA	AA	URR	101510345	uncharacterized LOC101510345
SNP_41440B_234892	scaffold171	NW_004515731.1	234892	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41441B_8364	scaffold174	NW_004515733.1	8364	GG	AA	AA	INTERGENIC		
SNP_41443B_9861	scaffold174	NW_004515733.1	9861	CC	TT	TT	INTERGENIC		
SNP_41445B_12526	scaffold174	NW_004515733.1	12526	CC	TT	TT	INTERGENIC		
SNP_41446B_15154	scaffold174	NW_004515733.1	15154	AA	GG	GG	INTERGENIC		
SNP_41447B_20685	scaffold174	NW_004515733.1	20685	AA	GG	GG	INTERGENIC		
SNP_41448B_21606	scaffold174	NW_004515733.1	21606	TT	CC	CC	INTERGENIC		
SNP_41449B_26703	scaffold174	NW_004515733.1	26703	GG	TT	TT	INTERGENIC		
SNP_41450B_28581	scaffold174	NW_004515733.1	28581	TT	AA	AA	INTERGENIC		
SNP_41451B_85280	scaffold174	NW_004515733.1	85280	CC	TT	TT	URR	101513245	carboxyl-terminal-processing peptidase 3, chloroplastic
SNP_41452B_89898	scaffold174	NW_004515733.1	89898	TT	CC	CC	INTERGENIC		
SNP_41453B_89899	scaffold174	NW_004515733.1	89899	AA	GG	GG	INTERGENIC		
SNP_41454B_89909	scaffold174	NW_004515733.1	89909	GG	AA	AA	INTERGENIC		
SNP_41455B_89934	scaffold174	NW_004515733.1	89934	CC	TT	TT	INTERGENIC		
SNP_41456B_89945	scaffold174	NW_004515733.1	89945	TT	AA	AA	INTERGENIC		
SNP_41457B_89958	scaffold174	NW_004515733.1	89958	AA	CC	CC	INTERGENIC		
SNP_41458B_89977	scaffold174	NW_004515733.1	89977	AA	GG	GG	INTERGENIC		
SNP_41459B_89997	scaffold174	NW_004515733.1	89997	GG	TT	TT	INTERGENIC		
SNP_41460B_90018	scaffold174	NW_004515733.1	90018	AA	GG	GG	INTERGENIC		
SNP_41461B_90051	scaffold174	NW_004515733.1	90051	AA	GG	GG	INTERGENIC		
SNP_41462B_90107	scaffold174	NW_004515733.1	90107	AA	TT	TT	INTERGENIC		
SNP_41463B_90187	scaffold174	NW_004515733.1	90187	AA	TT	TT	INTERGENIC		
SNP_41464B_90219	scaffold174	NW_004515733.1	90219	TT	CC	CC	INTERGENIC		
SNP_41465B_90416	scaffold174	NW_004515733.1	90416	AA	GG	GG	INTERGENIC		
SNP_41466B_90478	scaffold174	NW_004515733.1	90478	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41467B_90531	scaffold174	NW_004515733.1	90531	TT	CC	CC	INTERGENIC		
SNP_41468B_99433	scaffold174	NW_004515733.1	99433	GG	AA	AA	INTRON	101515743	Unknown function
SNP_41470B_124181	scaffold174	NW_004515733.1	124181	CC	TT	TT	INTERGENIC		
SNP_41471B_130395	scaffold174	NW_004515733.1	130395	CC	TT	TT	INTERGENIC		
SNP_41472B_136440	scaffold174	NW_004515733.1	136440	CC	AA	AA	NON_SYNONYMOUS_CODING	101488506	uncharacterized LOC101488506
SNP_41473B_139678	scaffold174	NW_004515733.1	139678	AA	GG	GG	INTRON	101488506	uncharacterized LOC101488506
SNP_41474B_142723	scaffold174	NW_004515733.1	142723	CC	TT	TT	URR	101488506	uncharacterized LOC101488506
SNP_41475B_143055	scaffold174	NW_004515733.1	143055	AA	GG	GG	URR	101488506	uncharacterized LOC101488506
SNP_41477B_146033	scaffold174	NW_004515733.1	146033	TT	CC	CC	INTERGENIC		
SNP_41478B_148923	scaffold174	NW_004515733.1	148923	GG	TT	TT	INTERGENIC		
SNP_41479B_166309	scaffold174	NW_004515733.1	166309	AA	CC	CC	INTERGENIC		
SNP_41480B_167695	scaffold174	NW_004515733.1	167695	AA	GG	GG	INTERGENIC		
SNP_41481B_167711	scaffold174	NW_004515733.1	167711	AA	TT	TT	INTERGENIC		
SNP_41482B_180894	scaffold174	NW_004515733.1	180894	AA	GG	GG	INTERGENIC		
SNP_41484B_191349	scaffold174	NW_004515733.1	191349	CC	TT	TT	INTRON	101513884	zinc finger protein WIP2-like
SNP_41485B_191359	scaffold174	NW_004515733.1	191359	CC	GG	GG	INTRON	101513884	zinc finger protein WIP2-like
SNP_41486B_208366	scaffold174	NW_004515733.1	208366	TT	AA	AA	INTERGENIC		
SNP_41488B_221326	scaffold174	NW_004515733.1	221326	AA	GG	GG	INTERGENIC		
SNP_41489B_221394	scaffold174	NW_004515733.1	221394	TT	CC	CC	INTERGENIC		
SNP_41490B_224802	scaffold174	NW_004515733.1	224802	AA	GG	GG	INTERGENIC		
SNP_41491B_225087	scaffold174	NW_004515733.1	225087	AA	GG	GG	INTERGENIC		
SNP_41492B_238299	scaffold174	NW_004515733.1	238299	CC	TT	TT	INTERGENIC		
SNP_41493B_270025	scaffold174	NW_004515733.1	270025	GG	AA	AA	INTRON	101488843	DNA-directed RNA polymerase I subunit rpa1-like
SNP_41495B_352099	scaffold174	NW_004515733.1	352099	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41496B_352583	scaffold174	NW_004515733.1	352583	TT	CC	CC	INTERGENIC		
SNP_41497B_352584	scaffold174	NW_004515733.1	352584	AA	GG	GG	INTERGENIC		
SNP_41498B_352629	scaffold174	NW_004515733.1	352629	TT	GG	GG	INTERGENIC		
SNP_41499B_352831	scaffold174	NW_004515733.1	352831	AA	GG	GG	INTERGENIC		
SNP_41500B_353084	scaffold174	NW_004515733.1	353084	TT	CC	CC	INTERGENIC		
SNP_41501B_354471	scaffold174	NW_004515733.1	354471	AA	GG	GG	INTERGENIC		
SNP_41502B_363172	scaffold174	NW_004515733.1	363172	CC	TT	TT	INTERGENIC		
SNP_41503B_398965	scaffold174	NW_004515733.1	398965	AA	CC	CC	URR	101514758	1-acyl-sn-glycerol-3-phosphate acyltransferase 2-like
SNP_41505B_409257	scaffold174	NW_004515733.1	409257	AA	GG	GG	INTERGENIC		
SNP_41506B_409350	scaffold174	NW_004515733.1	409350	AA	GG	GG	INTERGENIC		
SNP_41507B_418691	scaffold174	NW_004515733.1	418691	GG	TT	TT	INTERGENIC		
SNP_41508B_418755	scaffold174	NW_004515733.1	418755	TT	CC	CC	INTERGENIC		
SNP_41511B_424653	scaffold174	NW_004515733.1	424653	GG	TT	TT	INTERGENIC		
SNP_41512B_424888	scaffold174	NW_004515733.1	424888	GG	AA	AA	INTERGENIC		
SNP_41513B_429267	scaffold174	NW_004515733.1	429267	GG	AA	AA	INTERGENIC		
SNP_41514B_431222	scaffold174	NW_004515733.1	431222	GG	AA	AA	DRR	101515084	probable helicase MAGATAMA 3
SNP_41516B_448927	scaffold174	NW_004515733.1	448927	TT	AA	AA	INTRON	101515084	probable helicase MAGATAMA 3
SNP_41518B_462651	scaffold174	NW_004515733.1	462651	AA	GG	GG	URR	101515084	probable helicase MAGATAMA 3
SNP_41519B_466683	scaffold174	NW_004515733.1	466683	AA	CC	CC	INTERGENIC		
SNP_41520B_470510	scaffold174	NW_004515733.1	470510	AA	GG	GG	URR	101410558	transfer RNA methionine (anticodon CAU)
SNP_41521B_470520	scaffold174	NW_004515733.1	470520	GG	TT	TT	URR	101410558	transfer RNA methionine (anticodon CAU)
SNP_41522B_470528	scaffold174	NW_004515733.1	470528	AA	TT	TT	URR	101410558	transfer RNA methionine (anticodon CAU)
SNP_41523B_470534	scaffold174	NW_004515733.1	470534	CC	AA	AA	URR	101410558	transfer RNA methionine (anticodon CAU)
SNP_41524B_470558	scaffold174	NW_004515733.1	470558	GG	AA	AA	URR	101410558	transfer RNA methionine (anticodon CAU)

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41525B_470587	scaffold174	NW_004515733.1	470587	AA	GG	GG	URR	101410558	transfer RNA methionine (anticodon CAU)
SNP_41527B_470693	scaffold174	NW_004515733.1	470693	GG	AA	AA	URR	101410558	transfer RNA methionine (anticodon CAU)
SNP_41528B_470849	scaffold174	NW_004515733.1	470849	TT	CC	CC	URR	101410558	transfer RNA methionine (anticodon CAU)
SNP_41529B_470971	scaffold174	NW_004515733.1	470971	GG	CC	CC	URR	101410558	transfer RNA methionine (anticodon CAU)
SNP_41530B_479714	scaffold174	NW_004515733.1	479714	TT	GG	GG	INTERGENIC		
SNP_41531B_479760	scaffold174	NW_004515733.1	479760	AA	CC	CC	INTERGENIC		
SNP_41532B_479837	scaffold174	NW_004515733.1	479837	GG	AA	AA	INTERGENIC		
SNP_41534B_38709	scaffold181	NW_004515735.1	38709	CC	TT	TT	URR	101491007	carboxylesterase 1-like
SNP_41535B_117194	scaffold181	NW_004515735.1	117194	CC	TT	TT	URR	101492403	Unknown function
SNP_41536B_25807	scaffold186	NW_004515738.1	25807	GG	TT	TT	URR	101493067	TMV resistance protein N-like
SNP_41537B_25834	scaffold186	NW_004515738.1	25834	CC	AA	AA	URR	101493067	TMV resistance protein N-like
SNP_41538B_65058	scaffold186	NW_004515738.1	65058	TT	CC	CC	INTERGENIC		
SNP_41539B_77320	scaffold186	NW_004515738.1	77320	CC	TT	TT	INTERGENIC		
SNP_41540B_79299	scaffold186	NW_004515738.1	79299	AA	CC	CC	INTERGENIC		
SNP_41541B_79326	scaffold186	NW_004515738.1	79326	GG	AA	AA	INTERGENIC		
SNP_41542B_79332	scaffold186	NW_004515738.1	79332	GG	AA	AA	INTERGENIC		
SNP_41543B_124727	scaffold186	NW_004515738.1	124727	CC	TT	TT	INTERGENIC		
SNP_41544B_125093	scaffold186	NW_004515738.1	125093	CC	TT	TT	INTERGENIC		
SNP_41545B_125184	scaffold186	NW_004515738.1	125184	AA	GG	GG	INTERGENIC		
SNP_41546B_151599	scaffold186	NW_004515738.1	151599	AA	TT	TT	INTERGENIC		
SNP_41547B_151641	scaffold186	NW_004515738.1	151641	AA	GG	GG	INTERGENIC		
SNP_41548B_176380	scaffold186	NW_004515738.1	176380	TT	GG	GG	INTERGENIC		
SNP_41549B_176412	scaffold186	NW_004515738.1	176412	TT	CC	CC	INTERGENIC		
SNP_41550B_176736	scaffold186	NW_004515738.1	176736	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41551B_176782	scaffold186	NW_004515738.1	176782	CC	TT	TT	INTERGENIC		
SNP_41552B_176828	scaffold186	NW_004515738.1	176828	TT	CC	CC	INTERGENIC		
SNP_41553B_176831	scaffold186	NW_004515738.1	176831	AA	GG	GG	INTERGENIC		
SNP_41554B_176867	scaffold186	NW_004515738.1	176867	AA	GG	GG	INTERGENIC		
SNP_41555B_178782	scaffold186	NW_004515738.1	178782	GG	CC	CC	INTERGENIC		
SNP_41556B_178783	scaffold186	NW_004515738.1	178783	TT	CC	CC	INTERGENIC		
SNP_41557B_178816	scaffold186	NW_004515738.1	178816	CC	TT	TT	INTERGENIC		
SNP_41558B_178827	scaffold186	NW_004515738.1	178827	AA	GG	GG	INTERGENIC		
SNP_41559B_178933	scaffold186	NW_004515738.1	178933	GG	AA	AA	INTERGENIC		
SNP_41560B_178957	scaffold186	NW_004515738.1	178957	CC	TT	TT	INTERGENIC		
SNP_41561B_179100	scaffold186	NW_004515738.1	179100	GG	AA	AA	INTERGENIC		
SNP_41562B_179146	scaffold186	NW_004515738.1	179146	TT	CC	CC	INTERGENIC		
SNP_41564B_307483	scaffold186	NW_004515738.1	307483	AA	GG	GG	INTERGENIC		
SNP_41565B_307530	scaffold186	NW_004515738.1	307530	TT	CC	CC	INTERGENIC		
SNP_41566B_311229	scaffold186	NW_004515738.1	311229	CC	AA	AA	INTERGENIC		
SNP_41567B_311236	scaffold186	NW_004515738.1	311236	CC	AA	AA	INTERGENIC		
SNP_41568B_351024	scaffold186	NW_004515738.1	351024	AA	GG	GG	INTERGENIC		
SNP_41569B_351043	scaffold186	NW_004515738.1	351043	GG	TT	TT	INTERGENIC		
SNP_41570B_351436	scaffold186	NW_004515738.1	351436	TT	CC	CC	INTERGENIC		
SNP_41571B_351440	scaffold186	NW_004515738.1	351440	TT	GG	GG	INTERGENIC		
SNP_41572B_351515	scaffold186	NW_004515738.1	351515	TT	AA	AA	INTERGENIC		
SNP_41573B_370716	scaffold186	NW_004515738.1	370716	AA	TT	TT	INTERGENIC		
SNP_41574B_460229	scaffold186	NW_004515738.1	460229	AA	CC	CC	INTERGENIC		
SNP_41575B_61942	scaffold193	NW_004515740.1	61942	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41576B_63823	scaffold193	NW_004515740.1	63823	GG	AA	AA	INTERGENIC		
SNP_41577B_65818	scaffold193	NW_004515740.1	65818	GG	TT	TT	INTERGENIC		
SNP_41578B_79469	scaffold193	NW_004515740.1	79469	AA	CC	CC	URR	101498029	Unknown function
SNP_41579B_79478	scaffold193	NW_004515740.1	79478	TT	CC	CC	URR	101498029	Unknown function
SNP_41580B_79545	scaffold193	NW_004515740.1	79545	AA	GG	GG	URR	101498029	Unknown function
SNP_41582B_79661	scaffold193	NW_004515740.1	79661	TT	AA	AA	URR	101498029	Unknown function
SNP_41584B_79774	scaffold193	NW_004515740.1	79774	TT	CC	CC	URR	101498029	Unknown function
SNP_41585B_79830	scaffold193	NW_004515740.1	79830	GG	AA	AA	URR	101498029	Unknown function
SNP_41586B_80018	scaffold193	NW_004515740.1	80018	AA	CC	CC	URR	101498029	Unknown function
SNP_41587B_201823	scaffold193	NW_004515740.1	201823	CC	TT	TT	INTERGENIC		
SNP_41588B_201979	scaffold193	NW_004515740.1	201979	TT	CC	CC	INTERGENIC		
SNP_41589B_208273	scaffold193	NW_004515740.1	208273	TT	CC	CC	INTERGENIC		
SNP_41590B_208333	scaffold193	NW_004515740.1	208333	TT	CC	CC	INTERGENIC		
SNP_41591B_208361	scaffold193	NW_004515740.1	208361	GG	AA	AA	INTERGENIC		
SNP_41592B_208382	scaffold193	NW_004515740.1	208382	TT	CC	CC	INTERGENIC		
SNP_41593B_208386	scaffold193	NW_004515740.1	208386	TT	CC	CC	INTERGENIC		
SNP_41594B_208486	scaffold193	NW_004515740.1	208486	AA	GG	GG	INTERGENIC		
SNP_41595B_208727	scaffold193	NW_004515740.1	208727	CC	GG	GG	INTERGENIC		
SNP_41596B_208773	scaffold193	NW_004515740.1	208773	GG	CC	CC	INTERGENIC		
SNP_41597B_255505	scaffold193	NW_004515740.1	255505	TT	CC	CC	INTRON	101497375	uncharacterized LOC101497375
SNP_41598B_255506	scaffold193	NW_004515740.1	255506	CC	TT	TT	INTRON	101497375	uncharacterized LOC101497375
SNP_41599B_280649	scaffold193	NW_004515740.1	280649	TT	CC	CC	INTERGENIC		
SNP_41600B_280650	scaffold193	NW_004515740.1	280650	GG	TT	TT	INTERGENIC		
SNP_41601B_295646	scaffold193	NW_004515740.1	295646	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41602B_295650	scaffold193	NW_004515740.1	295650	TT	CC	CC	INTERGENIC		
SNP_41604B_295685	scaffold193	NW_004515740.1	295685	GG	AA	AA	INTERGENIC		
SNP_41605B_295711	scaffold193	NW_004515740.1	295711	GG	AA	AA	INTERGENIC		
SNP_41606B_295754	scaffold193	NW_004515740.1	295754	AA	TT	TT	INTERGENIC		
SNP_41607B_295813	scaffold193	NW_004515740.1	295813	CC	TT	TT	INTERGENIC		
SNP_41608B_295859	scaffold193	NW_004515740.1	295859	CC	TT	TT	INTERGENIC		
SNP_41609B_296025	scaffold193	NW_004515740.1	296025	GG	AA	AA	INTERGENIC		
SNP_41610B_296034	scaffold193	NW_004515740.1	296034	CC	AA	AA	INTERGENIC		
SNP_41611B_296055	scaffold193	NW_004515740.1	296055	AA	GG	GG	INTERGENIC		
SNP_41612B_310189	scaffold193	NW_004515740.1	310189	GG	AA	AA	INTERGENIC		
SNP_41613B_310216	scaffold193	NW_004515740.1	310216	CC	GG	GG	INTERGENIC		
SNP_41614B_310279	scaffold193	NW_004515740.1	310279	AA	CC	CC	INTERGENIC		
SNP_41615B_310350	scaffold193	NW_004515740.1	310350	GG	AA	AA	INTERGENIC		
SNP_41616B_310385	scaffold193	NW_004515740.1	310385	TT	CC	CC	INTERGENIC		
SNP_41617B_310386	scaffold193	NW_004515740.1	310386	TT	GG	GG	INTERGENIC		
SNP_41618B_310478	scaffold193	NW_004515740.1	310478	CC	AA	AA	INTERGENIC		
SNP_41619B_310514	scaffold193	NW_004515740.1	310514	TT	AA	AA	INTERGENIC		
SNP_41620B_316668	scaffold193	NW_004515740.1	316668	CC	TT	TT	INTERGENIC		
SNP_41621B_317082	scaffold193	NW_004515740.1	317082	CC	TT	TT	INTERGENIC		
SNP_41622B_318918	scaffold193	NW_004515740.1	318918	GG	AA	AA	INTERGENIC		
SNP_41623B_321508	scaffold193	NW_004515740.1	321508	CC	TT	TT	INTERGENIC		
SNP_41624B_329499	scaffold193	NW_004515740.1	329499	GG	AA	AA	INTRON	101500307	putative ubiquitin carboxyl-terminal hydrolase 11
SNP_41626B_329751	scaffold193	NW_004515740.1	329751	AA	GG	GG	INTRON	101500307	putative ubiquitin carboxyl-terminal hydrolase 11
SNP_41629B_417537	scaffold193	NW_004515740.1	417537	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41630B_428970	scaffold193	NW_004515740.1	428970	TT	CC	CC	INTERGENIC		
SNP_41631B_428972	scaffold193	NW_004515740.1	428972	GG	TT	TT	INTERGENIC		
SNP_41632B_429014	scaffold193	NW_004515740.1	429014	TT	GG	GG	INTERGENIC		
SNP_41633B_429247	scaffold193	NW_004515740.1	429247	CC	TT	TT	INTERGENIC		
SNP_41634B_429251	scaffold193	NW_004515740.1	429251	AA	GG	GG	INTERGENIC		
SNP_41636B_436132	scaffold193	NW_004515740.1	436132	AA	GG	GG	INTERGENIC		
SNP_41637B_9376	scaffold194	NW_004515741.1	9376	AA	GG	GG	INTERGENIC		
SNP_41638B_51222	scaffold198	NW_004515744.1	51222	GG	AA	AA	INTERGENIC		
SNP_41639B_54777	scaffold198	NW_004515744.1	54777	TT	CC	CC	INTERGENIC		
SNP_41640B_56356	scaffold198	NW_004515744.1	56356	AA	GG	GG	INTERGENIC		
SNP_41641B_56398	scaffold198	NW_004515744.1	56398	GG	AA	AA	INTERGENIC		
SNP_41642B_56399	scaffold198	NW_004515744.1	56399	AA	GG	GG	INTERGENIC		
SNP_41643B_56495	scaffold198	NW_004515744.1	56495	TT	CC	CC	INTERGENIC		
SNP_41644B_56548	scaffold198	NW_004515744.1	56548	TT	CC	CC	INTERGENIC		
SNP_41645B_98211	scaffold198	NW_004515744.1	98211	TT	AA	AA	INTERGENIC		
SNP_41646B_162521	scaffold198	NW_004515744.1	162521	AA	CC	CC	INTERGENIC		
SNP_41647B_188043	scaffold198	NW_004515744.1	188043	TT	CC	CC	INTERGENIC		
SNP_41648B_188093	scaffold198	NW_004515744.1	188093	GG	AA	AA	INTERGENIC		
SNP_41649B_188102	scaffold198	NW_004515744.1	188102	GG	AA	AA	INTERGENIC		
SNP_41650B_188108	scaffold198	NW_004515744.1	188108	CC	TT	TT	INTERGENIC		
SNP_41651B_188113	scaffold198	NW_004515744.1	188113	TT	CC	CC	INTERGENIC		
SNP_41652B_188122	scaffold198	NW_004515744.1	188122	CC	TT	TT	INTERGENIC		
SNP_41653B_188126	scaffold198	NW_004515744.1	188126	CC	AA	AA	INTERGENIC		
SNP_41654B_211114	scaffold198	NW_004515744.1	211114	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41655B_251472	scaffold198	NW_004515744.1	251472	TT	GG	GG	INTERGENIC		
SNP_41656B_251488	scaffold198	NW_004515744.1	251488	AA	GG	GG	INTERGENIC		
SNP_41657B_251556	scaffold198	NW_004515744.1	251556	CC	TT	TT	INTERGENIC		
SNP_41658B_251569	scaffold198	NW_004515744.1	251569	AA	GG	GG	INTERGENIC		
SNP_41659B_267507	scaffold198	NW_004515744.1	267507	CC	TT	TT	INTERGENIC		
SNP_41660B_287031	scaffold198	NW_004515744.1	287031	TT	GG	GG	URR	101507364	cationic amino acid transporter 1-like
SNP_41661B_287323	scaffold198	NW_004515744.1	287323	AA	GG	GG	URR	101507364	cationic amino acid transporter 1-like
SNP_41662B_320283	scaffold198	NW_004515744.1	320283	TT	AA	AA	URR	101507677	Unknown function
SNP_41663B_330416	scaffold198	NW_004515744.1	330416	TT	CC	CC	INTERGENIC		
SNP_41664B_330637	scaffold198	NW_004515744.1	330637	AA	CC	CC	INTERGENIC		
SNP_41665B_330678	scaffold198	NW_004515744.1	330678	TT	GG	GG	INTERGENIC		
SNP_41666B_330722	scaffold198	NW_004515744.1	330722	TT	CC	CC	INTERGENIC		
SNP_41667B_330749	scaffold198	NW_004515744.1	330749	GG	AA	AA	INTERGENIC		
SNP_41668B_335540	scaffold198	NW_004515744.1	335540	TT	GG	GG	INTERGENIC		
SNP_41669B_335588	scaffold198	NW_004515744.1	335588	AA	GG	GG	INTERGENIC		
SNP_41670B_335815	scaffold198	NW_004515744.1	335815	GG	AA	AA	INTERGENIC		
SNP_41671B_373726	scaffold198	NW_004515744.1	373726	TT	CC	CC	INTERGENIC		
SNP_41672B_410889	scaffold198	NW_004515744.1	410889	AA	TT	TT	URR	101508313	Unknown function
SNP_41674B_413454	scaffold198	NW_004515744.1	413454	CC	AA	AA	INTERGENIC		
SNP_41675B_413458	scaffold198	NW_004515744.1	413458	CC	TT	TT	INTERGENIC		
SNP_41676B_420695	scaffold198	NW_004515744.1	420695	CC	AA	AA	INTERGENIC		
SNP_41677B_420716	scaffold198	NW_004515744.1	420716	TT	GG	GG	INTERGENIC		
SNP_41678B_420806	scaffold198	NW_004515744.1	420806	AA	TT	TT	INTERGENIC		
SNP_41679B_420807	scaffold198	NW_004515744.1	420807	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41680B_421049	scaffold198	NW_004515744.1	421049	AA	TT	TT	INTERGENIC		
SNP_41681B_421052	scaffold198	NW_004515744.1	421052	TT	CC	CC	INTERGENIC		
SNP_41682B_421134	scaffold198	NW_004515744.1	421134	CC	TT	TT	INTERGENIC		
SNP_41683B_423239	scaffold198	NW_004515744.1	423239	AA	GG	GG	INTERGENIC		
SNP_41684B_423601	scaffold198	NW_004515744.1	423601	AA	TT	TT	INTERGENIC		
SNP_41686B_444825	scaffold198	NW_004515744.1	444825	AA	GG	GG	INTERGENIC		
SNP_41687B_444833	scaffold198	NW_004515744.1	444833	GG	AA	AA	INTERGENIC		
SNP_41688B_490922	scaffold198	NW_004515744.1	490922	AA	TT	TT	INTERGENIC		
SNP_41689B_500211	scaffold198	NW_004515744.1	500211	GG	AA	AA	INTERGENIC		
SNP_41690B_501036	scaffold198	NW_004515744.1	501036	GG	TT	TT	INTERGENIC		
SNP_41691B_501433	scaffold198	NW_004515744.1	501433	TT	AA	AA	INTERGENIC		
SNP_41692B_501474	scaffold198	NW_004515744.1	501474	CC	AA	AA	INTERGENIC		
SNP_41694B_501524	scaffold198	NW_004515744.1	501524	GG	TT	TT	INTERGENIC		
SNP_41695B_501550	scaffold198	NW_004515744.1	501550	TT	CC	CC	INTERGENIC		
SNP_41696B_501606	scaffold198	NW_004515744.1	501606	AA	GG	GG	INTERGENIC		
SNP_41697B_501683	scaffold198	NW_004515744.1	501683	AA	CC	CC	INTERGENIC		
SNP_41698B_501738	scaffold198	NW_004515744.1	501738	AA	TT	TT	INTERGENIC		
SNP_41699B_594305	scaffold198	NW_004515744.1	594305	GG	CC	CC	INTERGENIC		
SNP_41700B_594306	scaffold198	NW_004515744.1	594306	CC	AA	AA	INTERGENIC		
SNP_41701B_594308	scaffold198	NW_004515744.1	594308	GG	TT	TT	INTERGENIC		
SNP_41702B_631654	scaffold198	NW_004515744.1	631654	CC	GG	GG	INTERGENIC		
SNP_41703B_631671	scaffold198	NW_004515744.1	631671	AA	GG	GG	INTERGENIC		
SNP_41704B_632755	scaffold198	NW_004515744.1	632755	GG	AA	AA	INTERGENIC		
SNP_41705B_632846	scaffold198	NW_004515744.1	632846	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41706B_632944	scaffold198	NW_004515744.1	632944	GG	CC	CC	INTERGENIC		
SNP_41707B_633047	scaffold198	NW_004515744.1	633047	CC	TT	TT	INTERGENIC		
SNP_41708B_633048	scaffold198	NW_004515744.1	633048	TT	GG	GG	INTERGENIC		
SNP_41709B_633049	scaffold198	NW_004515744.1	633049	GG	CC	CC	INTERGENIC		
SNP_41710B_633055	scaffold198	NW_004515744.1	633055	CC	AA	AA	INTERGENIC		
SNP_41711B_633415	scaffold198	NW_004515744.1	633415	GG	CC	CC	INTERGENIC		
SNP_41712B_633511	scaffold198	NW_004515744.1	633511	GG	CC	CC	INTERGENIC		
SNP_41713B_633596	scaffold198	NW_004515744.1	633596	TT	CC	CC	INTERGENIC		
SNP_41714B_633607	scaffold198	NW_004515744.1	633607	GG	TT	TT	INTERGENIC		
SNP_41715B_637384	scaffold198	NW_004515744.1	637384	CC	TT	TT	INTERGENIC		
SNP_41717B_5247	scaffold200	NW_004515746.1	5247	AA	CC	CC	INTERGENIC		
SNP_41718B_39497	scaffold200	NW_004515746.1	39497	AA	TT	TT	INTERGENIC		
SNP_41719B_43823	scaffold200	NW_004515746.1	43823	CC	AA	AA	INTERGENIC		
SNP_41720B_49485	scaffold200	NW_004515746.1	49485	AA	TT	TT	INTERGENIC		
SNP_41721B_51103	scaffold200	NW_004515746.1	51103	CC	TT	TT	INTERGENIC		
SNP_41722B_100221	scaffold200	NW_004515746.1	100221	CC	AA	AA	INTERGENIC		
SNP_41723B_3761	scaffold202	NW_004515747.1	3761	TT	CC	CC	INTERGENIC		
SNP_41724B_4225	scaffold202	NW_004515747.1	4225	CC	AA	AA	DRR	101410548	transfer RNA phenylalanine (anticodon GAA)
SNP_41725B_10420	scaffold202	NW_004515747.1	10420	TT	CC	CC	INTERGENIC		
SNP_41726B_10431	scaffold202	NW_004515747.1	10431	AA	GG	GG	INTERGENIC		
SNP_41727B_10480	scaffold202	NW_004515747.1	10480	AA	CC	CC	INTERGENIC		
SNP_41728B_10490	scaffold202	NW_004515747.1	10490	AA	CC	CC	INTERGENIC		
SNP_41729B_10515	scaffold202	NW_004515747.1	10515	TT	AA	AA	INTERGENIC		
SNP_41730B_10538	scaffold202	NW_004515747.1	10538	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41731B_16842	scaffold202	NW_004515747.1	16842	CC	GG	GG	INTERGENIC		
SNP_41732B_16849	scaffold202	NW_004515747.1	16849	GG	AA	AA	INTERGENIC		
SNP_41733B_16914	scaffold202	NW_004515747.1	16914	GG	TT	TT	INTERGENIC		
SNP_41734B_16920	scaffold202	NW_004515747.1	16920	AA	GG	GG	INTERGENIC		
SNP_41735B_17161	scaffold202	NW_004515747.1	17161	CC	AA	AA	INTERGENIC		
SNP_41736B_17342	scaffold202	NW_004515747.1	17342	TT	CC	CC	INTERGENIC		
SNP_41737B_17421	scaffold202	NW_004515747.1	17421	GG	TT	TT	INTERGENIC		
SNP_41738B_17508	scaffold202	NW_004515747.1	17508	CC	AA	AA	INTERGENIC		
SNP_41739B_17518	scaffold202	NW_004515747.1	17518	TT	GG	GG	INTERGENIC		
SNP_41740B_17630	scaffold202	NW_004515747.1	17630	GG	AA	AA	INTERGENIC		
SNP_41741B_17752	scaffold202	NW_004515747.1	17752	CC	TT	TT	INTERGENIC		
SNP_41742B_17767	scaffold202	NW_004515747.1	17767	AA	GG	GG	INTERGENIC		
SNP_41743B_17793	scaffold202	NW_004515747.1	17793	TT	CC	CC	INTERGENIC		
SNP_41745B_19922	scaffold202	NW_004515747.1	19922	GG	AA	AA	INTERGENIC		
SNP_41746B_19938	scaffold202	NW_004515747.1	19938	TT	GG	GG	INTERGENIC		
SNP_41747B_19940	scaffold202	NW_004515747.1	19940	TT	CC	CC	INTERGENIC		
SNP_41748B_19985	scaffold202	NW_004515747.1	19985	GG	AA	AA	INTERGENIC		
SNP_41749B_19994	scaffold202	NW_004515747.1	19994	TT	AA	AA	INTERGENIC		
SNP_41750B_20059	scaffold202	NW_004515747.1	20059	AA	GG	GG	INTERGENIC		
SNP_41751B_20097	scaffold202	NW_004515747.1	20097	AA	CC	CC	INTERGENIC		
SNP_41752B_20219	scaffold202	NW_004515747.1	20219	GG	TT	TT	INTERGENIC		
SNP_41753B_20297	scaffold202	NW_004515747.1	20297	GG	AA	AA	INTERGENIC		
SNP_41754B_20303	scaffold202	NW_004515747.1	20303	GG	TT	TT	INTERGENIC		
SNP_41755B_20338	scaffold202	NW_004515747.1	20338	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41756B_20389	scaffold202	NW_004515747.1	20389	TT	CC	CC	INTERGENIC		
SNP_41757B_20403	scaffold202	NW_004515747.1	20403	AA	GG	GG	INTERGENIC		
SNP_41758B_20471	scaffold202	NW_004515747.1	20471	AA	GG	GG	INTERGENIC		
SNP_41759B_20474	scaffold202	NW_004515747.1	20474	GG	TT	TT	INTERGENIC		
SNP_41761B_20572	scaffold202	NW_004515747.1	20572	CC	TT	TT	INTERGENIC		
SNP_41762B_20613	scaffold202	NW_004515747.1	20613	CC	TT	TT	INTERGENIC		
SNP_41763B_20741	scaffold202	NW_004515747.1	20741	CC	AA	AA	INTERGENIC		
SNP_41764B_20821	scaffold202	NW_004515747.1	20821	TT	AA	AA	INTERGENIC		
SNP_41765B_20914	scaffold202	NW_004515747.1	20914	TT	CC	CC	INTERGENIC		
SNP_41766B_20925	scaffold202	NW_004515747.1	20925	CC	TT	TT	INTERGENIC		
SNP_41767B_20976	scaffold202	NW_004515747.1	20976	TT	AA	AA	INTERGENIC		
SNP_41768B_21020	scaffold202	NW_004515747.1	21020	CC	TT	TT	INTERGENIC		
SNP_41769B_21028	scaffold202	NW_004515747.1	21028	AA	GG	GG	INTERGENIC		
SNP_41771B_22663	scaffold202	NW_004515747.1	22663	CC	TT	TT	INTERGENIC		
SNP_41772B_22729	scaffold202	NW_004515747.1	22729	CC	AA	AA	INTERGENIC		
SNP_41774B_22796	scaffold202	NW_004515747.1	22796	TT	GG	GG	INTERGENIC		
SNP_41775B_22899	scaffold202	NW_004515747.1	22899	AA	TT	TT	INTERGENIC		
SNP_41776B_22951	scaffold202	NW_004515747.1	22951	AA	TT	TT	INTERGENIC		
SNP_41777B_22972	scaffold202	NW_004515747.1	22972	CC	TT	TT	INTERGENIC		
SNP_41778B_23650	scaffold202	NW_004515747.1	23650	TT	CC	CC	INTERGENIC		
SNP_41779B_23790	scaffold202	NW_004515747.1	23790	CC	AA	AA	INTERGENIC		
SNP_41780B_23850	scaffold202	NW_004515747.1	23850	AA	GG	GG	INTERGENIC		
SNP_41781B_23920	scaffold202	NW_004515747.1	23920	AA	CC	CC	INTERGENIC		
SNP_41782B_24044	scaffold202	NW_004515747.1	24044	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41783B_24296	scaffold202	NW_004515747.1	24296	CC	TT	TT	INTERGENIC		
SNP_41784B_24363	scaffold202	NW_004515747.1	24363	TT	GG	GG	INTERGENIC		
SNP_41785B_24406	scaffold202	NW_004515747.1	24406	AA	GG	GG	INTERGENIC		
SNP_41786B_24595	scaffold202	NW_004515747.1	24595	AA	GG	GG	INTERGENIC		
SNP_41787B_24642	scaffold202	NW_004515747.1	24642	AA	GG	GG	INTERGENIC		
SNP_41788B_24663	scaffold202	NW_004515747.1	24663	TT	CC	CC	INTERGENIC		
SNP_41789B_24664	scaffold202	NW_004515747.1	24664	AA	GG	GG	INTERGENIC		
SNP_41790B_24700	scaffold202	NW_004515747.1	24700	AA	GG	GG	INTERGENIC		
SNP_41791B_24939	scaffold202	NW_004515747.1	24939	TT	GG	GG	INTERGENIC		
SNP_41792B_24942	scaffold202	NW_004515747.1	24942	TT	AA	AA	INTERGENIC		
SNP_41793B_24971	scaffold202	NW_004515747.1	24971	CC	TT	TT	INTERGENIC		
SNP_41794B_27629	scaffold202	NW_004515747.1	27629	GG	AA	AA	INTERGENIC		
SNP_41795B_35665	scaffold202	NW_004515747.1	35665	CC	GG	GG	INTERGENIC		
SNP_41796B_35778	scaffold202	NW_004515747.1	35778	CC	TT	TT	INTERGENIC		
SNP_41797B_35834	scaffold202	NW_004515747.1	35834	AA	GG	GG	INTERGENIC		
SNP_41798B_35907	scaffold202	NW_004515747.1	35907	AA	GG	GG	INTERGENIC		
SNP_41799B_35941	scaffold202	NW_004515747.1	35941	CC	TT	TT	INTERGENIC		
SNP_41800B_35976	scaffold202	NW_004515747.1	35976	AA	CC	CC	INTERGENIC		
SNP_41801B_36173	scaffold202	NW_004515747.1	36173	GG	AA	AA	INTERGENIC		
SNP_41802B_36332	scaffold202	NW_004515747.1	36332	CC	TT	TT	INTERGENIC		
SNP_41803B_36463	scaffold202	NW_004515747.1	36463	CC	TT	TT	INTERGENIC		
SNP_41804B_36503	scaffold202	NW_004515747.1	36503	GG	AA	AA	INTERGENIC		
SNP_41805B_36619	scaffold202	NW_004515747.1	36619	GG	TT	TT	INTERGENIC		
SNP_41806B_36855	scaffold202	NW_004515747.1	36855	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41807B_36941	scaffold202	NW_004515747.1	36941	AA	TT	TT	INTERGENIC		
SNP_41808B_37244	scaffold202	NW_004515747.1	37244	TT	CC	CC	INTERGENIC		
SNP_41809B_37375	scaffold202	NW_004515747.1	37375	AA	GG	GG	INTERGENIC		
SNP_41810B_37400	scaffold202	NW_004515747.1	37400	GG	CC	CC	INTERGENIC		
SNP_41811B_37585	scaffold202	NW_004515747.1	37585	TT	AA	AA	INTERGENIC		
SNP_41812B_37825	scaffold202	NW_004515747.1	37825	AA	TT	TT	INTERGENIC		
SNP_41815B_37989	scaffold202	NW_004515747.1	37989	GG	AA	AA	INTERGENIC		
SNP_41816B_37994	scaffold202	NW_004515747.1	37994	TT	CC	CC	INTERGENIC		
SNP_41817B_38080	scaffold202	NW_004515747.1	38080	TT	GG	GG	INTERGENIC		
SNP_41818B_38083	scaffold202	NW_004515747.1	38083	AA	GG	GG	INTERGENIC		
SNP_41819B_38090	scaffold202	NW_004515747.1	38090	GG	AA	AA	INTERGENIC		
SNP_41820B_38236	scaffold202	NW_004515747.1	38236	GG	AA	AA	INTERGENIC		
SNP_41821B_38539	scaffold202	NW_004515747.1	38539	TT	GG	GG	INTERGENIC		
SNP_41822B_38675	scaffold202	NW_004515747.1	38675	AA	TT	TT	INTERGENIC		
SNP_41823B_38695	scaffold202	NW_004515747.1	38695	GG	TT	TT	INTERGENIC		
SNP_41824B_38746	scaffold202	NW_004515747.1	38746	GG	AA	AA	INTERGENIC		
SNP_41825B_38775	scaffold202	NW_004515747.1	38775	CC	TT	TT	INTERGENIC		
SNP_41826B_38796	scaffold202	NW_004515747.1	38796	GG	AA	AA	INTERGENIC		
SNP_41827B_38836	scaffold202	NW_004515747.1	38836	CC	TT	TT	INTERGENIC		
SNP_41828B_38848	scaffold202	NW_004515747.1	38848	TT	CC	CC	INTERGENIC		
SNP_41829B_38895	scaffold202	NW_004515747.1	38895	AA	GG	GG	INTERGENIC		
SNP_41830B_38989	scaffold202	NW_004515747.1	38989	AA	CC	CC	INTERGENIC		
SNP_41831B_39013	scaffold202	NW_004515747.1	39013	GG	AA	AA	INTERGENIC		
SNP_41835B_39344	scaffold202	NW_004515747.1	39344	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41836B_39351	scaffold202	NW_004515747.1	39351	TT	CC	CC	INTERGENIC		
SNP_41837B_39413	scaffold202	NW_004515747.1	39413	GG	TT	TT	INTERGENIC		
SNP_41838B_39414	scaffold202	NW_004515747.1	39414	CC	TT	TT	INTERGENIC		
SNP_41839B_39418	scaffold202	NW_004515747.1	39418	TT	GG	GG	INTERGENIC		
SNP_41840B_39645	scaffold202	NW_004515747.1	39645	CC	TT	TT	INTERGENIC		
SNP_41841B_40848	scaffold202	NW_004515747.1	40848	AA	CC	CC	INTERGENIC		
SNP_41842B_44773	scaffold202	NW_004515747.1	44773	CC	TT	TT	DRR	101509905	uncharacterized LOC101509905
SNP_41843B_45789	scaffold202	NW_004515747.1	45789	AA	GG	GG	INTRON	101509905	uncharacterized LOC101509905
SNP_41844B_52542	scaffold202	NW_004515747.1	52542	GG	CC	CC	INTRON	101509905	uncharacterized LOC101509905
SNP_41845B_52858	scaffold202	NW_004515747.1	52858	AA	TT	TT	INTRON	101509905	uncharacterized LOC101509905
SNP_41846B_53336	scaffold202	NW_004515747.1	53336	CC	TT	TT	INTRON	101509905	uncharacterized LOC101509905
SNP_41847B_53473	scaffold202	NW_004515747.1	53473	TT	AA	AA	INTRON	101509905	uncharacterized LOC101509905
SNP_41848B_53503	scaffold202	NW_004515747.1	53503	TT	CC	CC	INTRON	101509905	uncharacterized LOC101509905
SNP_41849B_53512	scaffold202	NW_004515747.1	53512	CC	AA	AA	INTRON	101509905	uncharacterized LOC101509905
SNP_41850B_53522	scaffold202	NW_004515747.1	53522	GG	AA	AA	INTRON	101509905	uncharacterized LOC101509905
SNP_41851B_53550	scaffold202	NW_004515747.1	53550	AA	GG	GG	INTRON	101509905	uncharacterized LOC101509905
SNP_41852B_53634	scaffold202	NW_004515747.1	53634	GG	AA	AA	INTRON	101509905	uncharacterized LOC101509905
SNP_41853B_60969	scaffold202	NW_004515747.1	60969	CC	TT	TT	INTRON	101509905	uncharacterized LOC101509905
SNP_41855B_62088	scaffold202	NW_004515747.1	62088	GG	TT	TT	SYNONYMOUS_CODING	101509905	uncharacterized LOC101509905
SNP_41856B_93016	scaffold202	NW_004515747.1	93016	GG	AA	AA	SYNONYMOUS_CODING	101509905	uncharacterized LOC101509905
SNP_41857B_93081	scaffold202	NW_004515747.1	93081	GG	TT	TT	INTRON	101509905	uncharacterized LOC101509905
SNP_41858B_93108	scaffold202	NW_004515747.1	93108	GG	TT	TT	INTRON	101509905	uncharacterized LOC101509905
SNP_41859B_93142	scaffold202	NW_004515747.1	93142	AA	TT	TT	INTRON	101509905	uncharacterized LOC101509905
SNP_41860B_93654	scaffold202	NW_004515747.1	93654	GG	AA	AA	SYNONYMOUS_CODING	101509905	uncharacterized LOC101509905

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41861B_93702	scaffold202	NW_004515747.1	93702	AA	GG	GG	INTRON	101509905	uncharacterized LOC101509905
SNP_41862B_94027	scaffold202	NW_004515747.1	94027	CC	TT	TT	INTRON	101509905	uncharacterized LOC101509905
SNP_41863B_94030	scaffold202	NW_004515747.1	94030	CC	GG	GG	INTRON	101509905	uncharacterized LOC101509905
SNP_41864B_94097	scaffold202	NW_004515747.1	94097	AA	GG	GG	INTRON	101509905	uncharacterized LOC101509905
SNP_41865B_94235	scaffold202	NW_004515747.1	94235	CC	TT	TT	INTRON	101509905	uncharacterized LOC101509905
SNP_41866B_94318	scaffold202	NW_004515747.1	94318	GG	TT	TT	INTRON	101509905	uncharacterized LOC101509905
SNP_41867B_94482	scaffold202	NW_004515747.1	94482	TT	CC	CC	INTRON	101509905	uncharacterized LOC101509905
SNP_41868B_94594	scaffold202	NW_004515747.1	94594	CC	TT	TT	INTRON	101509905	uncharacterized LOC101509905
SNP_41869B_94912	scaffold202	NW_004515747.1	94912	AA	GG	GG	INTRON	101509905	uncharacterized LOC101509905
SNP_41870B_94918	scaffold202	NW_004515747.1	94918	CC	TT	TT	INTRON	101509905	uncharacterized LOC101509905
SNP_41871B_94919	scaffold202	NW_004515747.1	94919	AA	GG	GG	INTRON	101509905	uncharacterized LOC101509905
SNP_41872B_95070	scaffold202	NW_004515747.1	95070	TT	GG	GG	INTRON	101509905	uncharacterized LOC101509905
SNP_41873B_95071	scaffold202	NW_004515747.1	95071	AA	CC	CC	INTRON	101509905	uncharacterized LOC101509905
SNP_41874B_95182	scaffold202	NW_004515747.1	95182	GG	AA	AA	INTRON	101509905	uncharacterized LOC101509905
SNP_41875B_95246	scaffold202	NW_004515747.1	95246	AA	TT	TT	INTRON	101509905	uncharacterized LOC101509905
SNP_41876B_95276	scaffold202	NW_004515747.1	95276	TT	CC	CC	INTRON	101509905	uncharacterized LOC101509905
SNP_41877B_95429	scaffold202	NW_004515747.1	95429	AA	GG	GG	INTERGENIC		
SNP_41878B_95438	scaffold202	NW_004515747.1	95438	AA	GG	GG	INTERGENIC		
SNP_41879B_95496	scaffold202	NW_004515747.1	95496	AA	GG	GG	INTERGENIC		
SNP_41880B_95533	scaffold202	NW_004515747.1	95533	AA	GG	GG	INTERGENIC		
SNP_41881B_95609	scaffold202	NW_004515747.1	95609	TT	CC	CC	INTERGENIC		
SNP_41882B_95619	scaffold202	NW_004515747.1	95619	GG	AA	AA	INTERGENIC		
SNP_41883B_95708	scaffold202	NW_004515747.1	95708	GG	AA	AA	INTERGENIC		
SNP_41884B_95792	scaffold202	NW_004515747.1	95792	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41885B_95869	scaffold202	NW_004515747.1	95869	TT	CC	CC	INTERGENIC		
SNP_41886B_95904	scaffold202	NW_004515747.1	95904	AA	GG	GG	INTERGENIC		
SNP_41887B_95942	scaffold202	NW_004515747.1	95942	TT	CC	CC	INTERGENIC		
SNP_41888B_96043	scaffold202	NW_004515747.1	96043	GG	AA	AA	INTERGENIC		
SNP_41889B_96074	scaffold202	NW_004515747.1	96074	AA	GG	GG	INTERGENIC		
SNP_41890B_96097	scaffold202	NW_004515747.1	96097	GG	AA	AA	INTERGENIC		
SNP_41891B_96140	scaffold202	NW_004515747.1	96140	TT	CC	CC	INTERGENIC		
SNP_41892B_96281	scaffold202	NW_004515747.1	96281	AA	GG	GG	INTERGENIC		
SNP_41893B_96333	scaffold202	NW_004515747.1	96333	AA	GG	GG	INTERGENIC		
SNP_41894B_96363	scaffold202	NW_004515747.1	96363	GG	TT	TT	INTERGENIC		
SNP_41895B_96394	scaffold202	NW_004515747.1	96394	AA	TT	TT	INTERGENIC		
SNP_41896B_96397	scaffold202	NW_004515747.1	96397	AA	GG	GG	INTERGENIC		
SNP_41897B_96444	scaffold202	NW_004515747.1	96444	AA	GG	GG	INTERGENIC		
SNP_41898B_96456	scaffold202	NW_004515747.1	96456	CC	TT	TT	INTERGENIC		
SNP_41899B_96532	scaffold202	NW_004515747.1	96532	TT	GG	GG	INTERGENIC		
SNP_41900B_96580	scaffold202	NW_004515747.1	96580	GG	TT	TT	INTERGENIC		
SNP_41901B_96589	scaffold202	NW_004515747.1	96589	TT	AA	AA	INTERGENIC		
SNP_41902B_96614	scaffold202	NW_004515747.1	96614	TT	CC	CC	INTERGENIC		
SNP_41903B_96868	scaffold202	NW_004515747.1	96868	CC	AA	AA	INTERGENIC		
SNP_41904B_97636	scaffold202	NW_004515747.1	97636	AA	GG	GG	INTERGENIC		
SNP_41905B_97768	scaffold202	NW_004515747.1	97768	CC	GG	GG	INTERGENIC		
SNP_41906B_97839	scaffold202	NW_004515747.1	97839	TT	CC	CC	INTERGENIC		
SNP_41907B_98426	scaffold202	NW_004515747.1	98426	CC	GG	GG	INTERGENIC		
SNP_41908B_98607	scaffold202	NW_004515747.1	98607	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41909B_98848	scaffold202	NW_004515747.1	98848	CC	AA	AA	INTERGENIC		
SNP_41910B_99123	scaffold202	NW_004515747.1	99123	TT	CC	CC	URR	101509905	uncharacterized LOC101509905
SNP_41911B_99273	scaffold202	NW_004515747.1	99273	GG	CC	CC	URR	101509905	uncharacterized LOC101509905
SNP_41912B_99420	scaffold202	NW_004515747.1	99420	AA	GG	GG	DRR	101510224	sm-like protein LSM3A
SNP_41913B_100186	scaffold202	NW_004515747.1	100186	TT	CC	CC	DRR	101510224	sm-like protein LSM3A
SNP_41914B_100216	scaffold202	NW_004515747.1	100216	AA	TT	TT	DRR	101510224	sm-like protein LSM3A
SNP_41915B_100359	scaffold202	NW_004515747.1	100359	CC	AA	AA	URR	101509905	uncharacterized LOC101509905
SNP_41916B_101772	scaffold202	NW_004515747.1	101772	AA	GG	GG	INTERGENIC		
SNP_41918B_103956	scaffold202	NW_004515747.1	103956	GG	AA	AA	URR	101510224	sm-like protein LSM3A
SNP_41920B_104037	scaffold202	NW_004515747.1	104037	AA	TT	TT	URR	101510224	sm-like protein LSM3A
SNP_41921B_104044	scaffold202	NW_004515747.1	104044	TT	AA	AA	URR	101510224	sm-like protein LSM3A
SNP_41922B_104045	scaffold202	NW_004515747.1	104045	AA	TT	TT	URR	101510224	sm-like protein LSM3A
SNP_41923B_104082	scaffold202	NW_004515747.1	104082	CC	TT	TT	URR	101510224	sm-like protein LSM3A
SNP_41924B_104187	scaffold202	NW_004515747.1	104187	AA	CC	CC	URR	101510224	sm-like protein LSM3A
SNP_41925B_104221	scaffold202	NW_004515747.1	104221	GG	CC	CC	URR	101510224	sm-like protein LSM3A
SNP_41927B_104407	scaffold202	NW_004515747.1	104407	GG	AA	AA	URR	101510224	sm-like protein LSM3A
SNP_41928B_104669	scaffold202	NW_004515747.1	104669	TT	GG	GG	URR	101510224	sm-like protein LSM3A
SNP_41929B_104714	scaffold202	NW_004515747.1	104714	AA	TT	TT	URR	101510224	sm-like protein LSM3A
SNP_41931B_23583	scaffold204	NW_004515748.1	23583	CC	TT	TT	INTERGENIC		
SNP_41932B_23657	scaffold204	NW_004515748.1	23657	GG	TT	TT	INTERGENIC		
SNP_41933B_23814	scaffold204	NW_004515748.1	23814	GG	AA	AA	INTERGENIC		
SNP_41934B_23859	scaffold204	NW_004515748.1	23859	AA	CC	CC	INTERGENIC		
SNP_41935B_29358	scaffold204	NW_004515748.1	29358	GG	AA	AA	INTERGENIC		
SNP_41936B_52617	scaffold204	NW_004515748.1	52617	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41937B_52648	scaffold204	NW_004515748.1	52648	AA	GG	GG	INTERGENIC		
SNP_41939B_40896	scaffold205	NW_004515749.1	40896	TT	CC	CC	INTERGENIC		
SNP_41940B_40964	scaffold205	NW_004515749.1	40964	TT	CC	CC	INTERGENIC		
SNP_41941B_40983	scaffold205	NW_004515749.1	40983	AA	GG	GG	INTERGENIC		
SNP_41942B_41016	scaffold205	NW_004515749.1	41016	AA	GG	GG	INTERGENIC		
SNP_41943B_41078	scaffold205	NW_004515749.1	41078	CC	TT	TT	INTERGENIC		
SNP_41945B_41124	scaffold205	NW_004515749.1	41124	TT	AA	AA	INTERGENIC		
SNP_41946B_41634	scaffold205	NW_004515749.1	41634	AA	GG	GG	INTERGENIC		
SNP_41947B_41688	scaffold205	NW_004515749.1	41688	AA	CC	CC	INTERGENIC		
SNP_41948B_41708	scaffold205	NW_004515749.1	41708	TT	CC	CC	INTERGENIC		
SNP_41949B_41758	scaffold205	NW_004515749.1	41758	TT	CC	CC	INTERGENIC		
SNP_41950B_41878	scaffold205	NW_004515749.1	41878	TT	AA	AA	INTERGENIC		
SNP_41951B_41997	scaffold205	NW_004515749.1	41997	TT	CC	CC	INTERGENIC		
SNP_41952B_41999	scaffold205	NW_004515749.1	41999	GG	AA	AA	INTERGENIC		
SNP_41953B_42023	scaffold205	NW_004515749.1	42023	CC	TT	TT	INTERGENIC		
SNP_41954B_42048	scaffold205	NW_004515749.1	42048	GG	AA	AA	INTERGENIC		
SNP_41955B_42052	scaffold205	NW_004515749.1	42052	TT	CC	CC	INTERGENIC		
SNP_41956B_42104	scaffold205	NW_004515749.1	42104	AA	TT	TT	INTERGENIC		
SNP_41957B_42204	scaffold205	NW_004515749.1	42204	GG	AA	AA	INTERGENIC		
SNP_41958B_42248	scaffold205	NW_004515749.1	42248	CC	TT	TT	INTERGENIC		
SNP_41959B_42290	scaffold205	NW_004515749.1	42290	AA	GG	GG	INTERGENIC		
SNP_41960B_46496	scaffold205	NW_004515749.1	46496	CC	TT	TT	INTERGENIC		
SNP_41961B_46569	scaffold205	NW_004515749.1	46569	AA	GG	GG	INTERGENIC		
SNP_41963B_70839	scaffold205	NW_004515749.1	70839	TT	AA	AA	URR	101511303	uncharacterized LOC101511303

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41964B_75575	scaffold205	NW_004515749.1	75575	AA	GG	GG	INTERGENIC		
SNP_41965B_75592	scaffold205	NW_004515749.1	75592	CC	TT	TT	INTERGENIC		
SNP_41966B_112657	scaffold205	NW_004515749.1	112657	TT	CC	CC	INTERGENIC		
SNP_41967B_113401	scaffold205	NW_004515749.1	113401	AA	TT	TT	INTERGENIC		
SNP_41968B_113402	scaffold205	NW_004515749.1	113402	AA	GG	GG	INTERGENIC		
SNP_41969B_114640	scaffold205	NW_004515749.1	114640	AA	GG	GG	INTERGENIC		
SNP_41970B_115058	scaffold205	NW_004515749.1	115058	GG	AA	AA	INTERGENIC		
SNP_41971B_116449	scaffold205	NW_004515749.1	116449	AA	GG	GG	INTERGENIC		
SNP_41972B_150565	scaffold205	NW_004515749.1	150565	TT	CC	CC	INTERGENIC		
SNP_41973B_195042	scaffold205	NW_004515749.1	195042	AA	CC	CC	INTERGENIC		
SNP_41974B_195057	scaffold205	NW_004515749.1	195057	AA	CC	CC	INTERGENIC		
SNP_41975B_198934	scaffold205	NW_004515749.1	198934	CC	GG	GG	INTERGENIC		
SNP_41976B_198972	scaffold205	NW_004515749.1	198972	AA	GG	GG	INTERGENIC		
SNP_41977B_199165	scaffold205	NW_004515749.1	199165	AA	TT	TT	INTERGENIC		
SNP_41978B_199205	scaffold205	NW_004515749.1	199205	AA	GG	GG	INTERGENIC		
SNP_41979B_199237	scaffold205	NW_004515749.1	199237	TT	CC	CC	INTERGENIC		
SNP_41980B_199306	scaffold205	NW_004515749.1	199306	AA	GG	GG	INTERGENIC		
SNP_41981B_199440	scaffold205	NW_004515749.1	199440	TT	CC	CC	DRR	101513132	Unknown function
SNP_41982B_199501	scaffold205	NW_004515749.1	199501	TT	AA	AA	DRR	101513132	Unknown function
SNP_41983B_211892	scaffold205	NW_004515749.1	211892	GG	AA	AA	INTERGENIC		
SNP_41984B_214037	scaffold205	NW_004515749.1	214037	GG	AA	AA	NON_SYNONYMOUS_CODING	101513458	Unknown function
SNP_41985B_62134	scaffold206	NW_004515750.1	62134	AA	GG	GG	INTERGENIC		
SNP_41986B_62141	scaffold206	NW_004515750.1	62141	AA	GG	GG	INTERGENIC		
SNP_41987B_62916	scaffold206	NW_004515750.1	62916	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_41988B_68193	scaffold206	NW_004515750.1	68193	GG	AA	AA	INTERGENIC		
SNP_41989B_68268	scaffold206	NW_004515750.1	68268	CC	TT	TT	INTERGENIC		
SNP_41990B_77206	scaffold206	NW_004515750.1	77206	CC	TT	TT	INTERGENIC		
SNP_41991B_108233	scaffold206	NW_004515750.1	108233	AA	GG	GG	INTERGENIC		
SNP_41992B_108613	scaffold206	NW_004515750.1	108613	GG	AA	AA	INTERGENIC		
SNP_41993B_108627	scaffold206	NW_004515750.1	108627	AA	TT	TT	INTERGENIC		
SNP_41994B_108758	scaffold206	NW_004515750.1	108758	AA	GG	GG	INTERGENIC		
SNP_41995B_114050	scaffold206	NW_004515750.1	114050	AA	GG	GG	INTRON	101515195	Unknown function
SNP_41996B_115271	scaffold206	NW_004515750.1	115271	AA	GG	GG	URR	101515195	Unknown function
SNP_41997B_115275	scaffold206	NW_004515750.1	115275	TT	GG	GG	URR	101515195	Unknown function
SNP_41998B_115461	scaffold206	NW_004515750.1	115461	TT	AA	AA	URR	101515195	Unknown function
SNP_41999B_115530	scaffold206	NW_004515750.1	115530	TT	CC	CC	URR	101515195	Unknown function
SNP_42000B_115539	scaffold206	NW_004515750.1	115539	AA	GG	GG	URR	101515195	Unknown function
SNP_42001B_115808	scaffold206	NW_004515750.1	115808	AA	GG	GG	URR	101515195	Unknown function
SNP_42002B_115810	scaffold206	NW_004515750.1	115810	CC	AA	AA	URR	101515195	Unknown function
SNP_42003B_115824	scaffold206	NW_004515750.1	115824	TT	CC	CC	URR	101515195	Unknown function
SNP_42004B_119897	scaffold206	NW_004515750.1	119897	AA	GG	GG	INTERGENIC		
SNP_42005B_120157	scaffold206	NW_004515750.1	120157	GG	AA	AA	INTERGENIC		
SNP_42006B_139575	scaffold206	NW_004515750.1	139575	TT	AA	AA	INTERGENIC		
SNP_42007B_139834	scaffold206	NW_004515750.1	139834	GG	AA	AA	INTERGENIC		
SNP_42008B_139874	scaffold206	NW_004515750.1	139874	TT	GG	GG	INTERGENIC		
SNP_42009B_139924	scaffold206	NW_004515750.1	139924	AA	GG	GG	INTERGENIC		
SNP_42010B_139932	scaffold206	NW_004515750.1	139932	TT	GG	GG	INTERGENIC		
SNP_42011B_139990	scaffold206	NW_004515750.1	139990	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42012B_140006	scaffold206	NW_004515750.1	140006	TT	GG	GG	INTERGENIC		
SNP_42013B_140017	scaffold206	NW_004515750.1	140017	AA	GG	GG	INTERGENIC		
SNP_42014B_140018	scaffold206	NW_004515750.1	140018	GG	AA	AA	INTERGENIC		
SNP_42015B_140043	scaffold206	NW_004515750.1	140043	AA	TT	TT	INTERGENIC		
SNP_42016B_140105	scaffold206	NW_004515750.1	140105	TT	CC	CC	INTERGENIC		
SNP_42017B_140159	scaffold206	NW_004515750.1	140159	CC	TT	TT	INTERGENIC		
SNP_42018B_140181	scaffold206	NW_004515750.1	140181	TT	CC	CC	INTERGENIC		
SNP_42019B_140237	scaffold206	NW_004515750.1	140237	AA	GG	GG	INTERGENIC		
SNP_42020B_140243	scaffold206	NW_004515750.1	140243	TT	CC	CC	INTERGENIC		
SNP_42021B_140254	scaffold206	NW_004515750.1	140254	AA	GG	GG	INTERGENIC		
SNP_42022B_140255	scaffold206	NW_004515750.1	140255	AA	TT	TT	INTERGENIC		
SNP_42023B_140291	scaffold206	NW_004515750.1	140291	TT	CC	CC	INTERGENIC		
SNP_42024B_140294	scaffold206	NW_004515750.1	140294	CC	TT	TT	INTERGENIC		
SNP_42025B_140312	scaffold206	NW_004515750.1	140312	CC	TT	TT	INTERGENIC		
SNP_42027B_164418	scaffold206	NW_004515750.1	164418	AA	GG	GG	INTERGENIC		
SNP_42028B_166896	scaffold206	NW_004515750.1	166896	AA	TT	TT	INTERGENIC		
SNP_42030B_175775	scaffold206	NW_004515750.1	175775	CC	TT	TT	DRR	101514656	uncharacterized LOC101514656
SNP_42032B_176357	scaffold206	NW_004515750.1	176357	TT	CC	CC	STOP_LOST	id197356	Unknown function
SNP_42033B_190582	scaffold206	NW_004515750.1	190582	CC	TT	TT	INTERGENIC		
SNP_42034B_190583	scaffold206	NW_004515750.1	190583	GG	AA	AA	INTERGENIC		
SNP_42036B_199511	scaffold206	NW_004515750.1	199511	TT	CC	CC	INTRON	101488949	uncharacterized LOC101488949
SNP_42038B_233720	scaffold206	NW_004515750.1	233720	TT	CC	CC	INTERGENIC		
SNP_42039B_234390	scaffold206	NW_004515750.1	234390	GG	TT	TT	INTERGENIC		
SNP_42040B_234450	scaffold206	NW_004515750.1	234450	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42041B_234785	scaffold206	NW_004515750.1	234785	TT	CC	CC	INTERGENIC		
SNP_42042B_234795	scaffold206	NW_004515750.1	234795	TT	CC	CC	INTERGENIC		
SNP_42043B_234822	scaffold206	NW_004515750.1	234822	GG	AA	AA	INTERGENIC		
SNP_42044B_234859	scaffold206	NW_004515750.1	234859	AA	CC	CC	INTERGENIC		
SNP_42045B_235021	scaffold206	NW_004515750.1	235021	TT	CC	CC	INTERGENIC		
SNP_42046B_238563	scaffold206	NW_004515750.1	238563	CC	TT	TT	INTERGENIC		
SNP_42047B_272191	scaffold206	NW_004515750.1	272191	AA	GG	GG	INTERGENIC		
SNP_42049B_6961	scaffold207	NW_004515751.1	6961	CC	AA	AA	INTERGENIC		
SNP_42050B_7352	scaffold207	NW_004515751.1	7352	AA	TT	TT	INTERGENIC		
SNP_42051B_7484	scaffold207	NW_004515751.1	7484	GG	TT	TT	INTERGENIC		
SNP_42052B_7544	scaffold207	NW_004515751.1	7544	GG	AA	AA	INTERGENIC		
SNP_42053B_7760	scaffold207	NW_004515751.1	7760	TT	CC	CC	INTERGENIC		
SNP_42054B_7795	scaffold207	NW_004515751.1	7795	AA	TT	TT	INTERGENIC		
SNP_42055B_8056	scaffold207	NW_004515751.1	8056	AA	GG	GG	INTERGENIC		
SNP_42056B_8215	scaffold207	NW_004515751.1	8215	AA	GG	GG	INTERGENIC		
SNP_42057B_8217	scaffold207	NW_004515751.1	8217	GG	TT	TT	INTERGENIC		
SNP_42058B_9466	scaffold207	NW_004515751.1	9466	CC	TT	TT	INTERGENIC		
SNP_42059B_9513	scaffold207	NW_004515751.1	9513	AA	GG	GG	INTERGENIC		
SNP_42060B_9640	scaffold207	NW_004515751.1	9640	AA	TT	TT	INTERGENIC		
SNP_42061B_9831	scaffold207	NW_004515751.1	9831	TT	AA	AA	INTERGENIC		
SNP_42062B_9946	scaffold207	NW_004515751.1	9946	TT	AA	AA	INTERGENIC		
SNP_42063B_25138	scaffold207	NW_004515751.1	25138	TT	GG	GG	INTERGENIC		
SNP_42064B_25181	scaffold207	NW_004515751.1	25181	CC	TT	TT	INTERGENIC		
SNP_42065B_25183	scaffold207	NW_004515751.1	25183	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42066B_476	scaffold208	NW_004515752.1	476	GG	AA	AA	INTERGENIC		
SNP_42067B_10922	scaffold208	NW_004515752.1	10922	TT	CC	CC	URR	101490137	Unknown function
SNP_42069B_16123	scaffold208	NW_004515752.1	16123	AA	GG	GG	INTERGENIC		
SNP_42070B_18416	scaffold208	NW_004515752.1	18416	GG	AA	AA	SYNONYMOUS_CODING	101490460	non-specific lipid-transfer protein A-like
SNP_42071B_19376	scaffold208	NW_004515752.1	19376	TT	CC	CC	URR	101490460	non-specific lipid-transfer protein A-like
SNP_42072B_19388	scaffold208	NW_004515752.1	19388	AA	GG	GG	URR	101490460	non-specific lipid-transfer protein A-like
SNP_42073B_19411	scaffold208	NW_004515752.1	19411	GG	AA	AA	URR	101490460	non-specific lipid-transfer protein A-like
SNP_42074B_21035	scaffold208	NW_004515752.1	21035	AA	GG	GG	INTERGENIC		
SNP_42075B_21149	scaffold208	NW_004515752.1	21149	GG	TT	TT	INTERGENIC		
SNP_42076B_21463	scaffold208	NW_004515752.1	21463	AA	TT	TT	INTERGENIC		
SNP_42077B_21505	scaffold208	NW_004515752.1	21505	AA	CC	CC	INTERGENIC		
SNP_42078B_21533	scaffold208	NW_004515752.1	21533	AA	GG	GG	DRR	101490781	non-specific lipid-transfer protein A-like
SNP_42079B_74971	scaffold208	NW_004515752.1	74971	GG	AA	AA	INTERGENIC		
SNP_42080B_119425	scaffold208	NW_004515752.1	119425	TT	AA	AA	INTERGENIC		
SNP_42081B_119629	scaffold208	NW_004515752.1	119629	TT	CC	CC	INTERGENIC		
SNP_42082B_119732	scaffold208	NW_004515752.1	119732	CC	TT	TT	INTERGENIC		
SNP_42083B_126343	scaffold208	NW_004515752.1	126343	GG	TT	TT	INTERGENIC		
SNP_42084B_126384	scaffold208	NW_004515752.1	126384	CC	TT	TT	INTERGENIC		
SNP_42085B_127758	scaffold208	NW_004515752.1	127758	CC	AA	AA	INTERGENIC		
SNP_42086B_127783	scaffold208	NW_004515752.1	127783	GG	AA	AA	INTERGENIC		
SNP_42087B_156847	scaffold208	NW_004515752.1	156847	CC	TT	TT	INTERGENIC		
SNP_42088B_157208	scaffold208	NW_004515752.1	157208	TT	CC	CC	INTERGENIC		
SNP_42089B_173588	scaffold208	NW_004515752.1	173588	TT	AA	AA	INTERGENIC		
SNP_42090B_173958	scaffold208	NW_004515752.1	173958	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42091B_174028	scaffold208	NW_004515752.1	174028	CC	TT	TT	INTERGENIC		
SNP_42093B_174372	scaffold208	NW_004515752.1	174372	TT	CC	CC	INTERGENIC		
SNP_42094B_312422	scaffold208	NW_004515752.1	312422	CC	AA	AA	INTERGENIC		
SNP_42095B_2295	scaffold209	NW_004515753.1	2295	CC	TT	TT	INTERGENIC		
SNP_42096B_2314	scaffold209	NW_004515753.1	2314	GG	AA	AA	INTERGENIC		
SNP_42097B_2595	scaffold209	NW_004515753.1	2595	GG	CC	CC	INTERGENIC		
SNP_42098B_2625	scaffold209	NW_004515753.1	2625	GG	TT	TT	INTERGENIC		
SNP_42099B_2674	scaffold209	NW_004515753.1	2674	AA	CC	CC	INTERGENIC		
SNP_42100B_3023	scaffold209	NW_004515753.1	3023	TT	AA	AA	INTERGENIC		
SNP_42101B_5720	scaffold209	NW_004515753.1	5720	CC	AA	AA	INTERGENIC		
SNP_42102B_5768	scaffold209	NW_004515753.1	5768	AA	GG	GG	INTERGENIC		
SNP_42103B_5770	scaffold209	NW_004515753.1	5770	TT	AA	AA	INTERGENIC		
SNP_42104B_5826	scaffold209	NW_004515753.1	5826	AA	TT	TT	INTERGENIC		
SNP_42105B_5958	scaffold209	NW_004515753.1	5958	TT	CC	CC	INTERGENIC		
SNP_42106B_6040	scaffold209	NW_004515753.1	6040	AA	TT	TT	INTERGENIC		
SNP_42107B_6138	scaffold209	NW_004515753.1	6138	GG	CC	CC	INTERGENIC		
SNP_42108B_6314	scaffold209	NW_004515753.1	6314	CC	TT	TT	INTERGENIC		
SNP_42109B_7670	scaffold209	NW_004515753.1	7670	TT	GG	GG	INTERGENIC		
SNP_42110B_7683	scaffold209	NW_004515753.1	7683	CC	TT	TT	INTERGENIC		
SNP_42111B_7695	scaffold209	NW_004515753.1	7695	TT	AA	AA	INTERGENIC		
SNP_42112B_31636	scaffold209	NW_004515753.1	31636	AA	CC	CC	INTERGENIC		
SNP_42113B_65740	scaffold209	NW_004515753.1	65740	TT	CC	CC	INTERGENIC		
SNP_42114B_66013	scaffold209	NW_004515753.1	66013	TT	GG	GG	INTERGENIC		
SNP_42115B_66052	scaffold209	NW_004515753.1	66052	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42116B_83869	scaffold209	NW_004515753.1	83869	AA	CC	CC	INTERGENIC		
SNP_42117B_139293	scaffold209	NW_004515753.1	139293	AA	GG	GG	INTERGENIC		
SNP_42118B_145588	scaffold209	NW_004515753.1	145588	AA	CC	CC	INTERGENIC		
SNP_42119B_218140	scaffold209	NW_004515753.1	218140	TT	AA	AA	INTERGENIC		
SNP_42121B_258324	scaffold209	NW_004515753.1	258324	GG	AA	AA	INTERGENIC		
SNP_42122B_258420	scaffold209	NW_004515753.1	258420	TT	AA	AA	INTERGENIC		
SNP_42123B_265468	scaffold209	NW_004515753.1	265468	TT	GG	GG	INTRON	101496178	Unknown function
SNP_42124B_298255	scaffold209	NW_004515753.1	298255	GG	CC	CC	INTERGENIC		
SNP_42125B_298336	scaffold209	NW_004515753.1	298336	TT	CC	CC	INTERGENIC		
SNP_42126B_298341	scaffold209	NW_004515753.1	298341	TT	CC	CC	INTERGENIC		
SNP_42127B_298366	scaffold209	NW_004515753.1	298366	CC	GG	GG	INTERGENIC		
SNP_42128B_329395	scaffold209	NW_004515753.1	329395	TT	CC	CC	INTERGENIC		
SNP_42129B_329407	scaffold209	NW_004515753.1	329407	AA	TT	TT	INTERGENIC		
SNP_42130B_329408	scaffold209	NW_004515753.1	329408	AA	TT	TT	INTERGENIC		
SNP_42131B_329409	scaffold209	NW_004515753.1	329409	AA	GG	GG	INTERGENIC		
SNP_42132B_329411	scaffold209	NW_004515753.1	329411	CC	TT	TT	INTERGENIC		
SNP_42133B_329412	scaffold209	NW_004515753.1	329412	CC	AA	AA	INTERGENIC		
SNP_42134B_329420	scaffold209	NW_004515753.1	329420	GG	AA	AA	INTERGENIC		
SNP_42135B_329436	scaffold209	NW_004515753.1	329436	GG	AA	AA	INTERGENIC		
SNP_42136B_329439	scaffold209	NW_004515753.1	329439	CC	AA	AA	INTERGENIC		
SNP_42137B_329440	scaffold209	NW_004515753.1	329440	AA	CC	CC	INTERGENIC		
SNP_42138B_329508	scaffold209	NW_004515753.1	329508	AA	TT	TT	INTERGENIC		
SNP_42139B_329565	scaffold209	NW_004515753.1	329565	GG	TT	TT	INTERGENIC		
SNP_42140B_329582	scaffold209	NW_004515753.1	329582	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42141B_329606	scaffold209	NW_004515753.1	329606	AA	CC	CC	INTERGENIC		
SNP_42142B_329607	scaffold209	NW_004515753.1	329607	GG	TT	TT	INTERGENIC		
SNP_42143B_329627	scaffold209	NW_004515753.1	329627	AA	TT	TT	INTERGENIC		
SNP_42144B_329798	scaffold209	NW_004515753.1	329798	GG	AA	AA	INTERGENIC		
SNP_42145B_329804	scaffold209	NW_004515753.1	329804	TT	AA	AA	INTERGENIC		
SNP_42146B_329916	scaffold209	NW_004515753.1	329916	GG	AA	AA	INTERGENIC		
SNP_42147B_330112	scaffold209	NW_004515753.1	330112	AA	CC	CC	INTERGENIC		
SNP_42148B_330325	scaffold209	NW_004515753.1	330325	AA	TT	TT	INTERGENIC		
SNP_42149B_330655	scaffold209	NW_004515753.1	330655	TT	CC	CC	INTERGENIC		
SNP_42150B_345077	scaffold209	NW_004515753.1	345077	TT	CC	CC	INTERGENIC		
SNP_42151B_345109	scaffold209	NW_004515753.1	345109	AA	GG	GG	INTERGENIC		
SNP_42152B_345154	scaffold209	NW_004515753.1	345154	AA	GG	GG	INTERGENIC		
SNP_42153B_345174	scaffold209	NW_004515753.1	345174	CC	GG	GG	INTERGENIC		
SNP_42154B_345190	scaffold209	NW_004515753.1	345190	GG	TT	TT	INTERGENIC		
SNP_42155B_345278	scaffold209	NW_004515753.1	345278	AA	GG	GG	INTERGENIC		
SNP_42156B_345303	scaffold209	NW_004515753.1	345303	GG	AA	AA	INTERGENIC		
SNP_42157B_345316	scaffold209	NW_004515753.1	345316	TT	CC	CC	INTERGENIC		
SNP_42158B_345348	scaffold209	NW_004515753.1	345348	AA	GG	GG	INTERGENIC		
SNP_42159B_345410	scaffold209	NW_004515753.1	345410	AA	GG	GG	INTERGENIC		
SNP_42160B_345413	scaffold209	NW_004515753.1	345413	GG	AA	AA	INTERGENIC		
SNP_42161B_345509	scaffold209	NW_004515753.1	345509	CC	AA	AA	INTERGENIC		
SNP_42162B_345560	scaffold209	NW_004515753.1	345560	AA	TT	TT	INTERGENIC		
SNP_42163B_345582	scaffold209	NW_004515753.1	345582	GG	TT	TT	INTERGENIC		
SNP_42164B_345612	scaffold209	NW_004515753.1	345612	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42165B_345659	scaffold209	NW_004515753.1	345659	TT	AA	AA	INTERGENIC		
SNP_42166B_345718	scaffold209	NW_004515753.1	345718	GG	TT	TT	INTERGENIC		
SNP_42167B_345822	scaffold209	NW_004515753.1	345822	AA	CC	CC	INTERGENIC		
SNP_42168B_345853	scaffold209	NW_004515753.1	345853	AA	TT	TT	INTERGENIC		
SNP_42169B_358106	scaffold209	NW_004515753.1	358106	AA	GG	GG	INTERGENIC		
SNP_42170B_358158	scaffold209	NW_004515753.1	358158	GG	AA	AA	INTERGENIC		
SNP_42171B_358193	scaffold209	NW_004515753.1	358193	CC	TT	TT	INTERGENIC		
SNP_42172B_358200	scaffold209	NW_004515753.1	358200	GG	AA	AA	INTERGENIC		
SNP_42173B_358249	scaffold209	NW_004515753.1	358249	TT	AA	AA	INTERGENIC		
SNP_42174B_358276	scaffold209	NW_004515753.1	358276	TT	CC	CC	INTERGENIC		
SNP_42175B_358284	scaffold209	NW_004515753.1	358284	TT	GG	GG	INTERGENIC		
SNP_42176B_358351	scaffold209	NW_004515753.1	358351	AA	GG	GG	INTERGENIC		
SNP_42177B_358390	scaffold209	NW_004515753.1	358390	TT	GG	GG	INTERGENIC		
SNP_42178B_358478	scaffold209	NW_004515753.1	358478	TT	GG	GG	INTERGENIC		
SNP_42179B_358511	scaffold209	NW_004515753.1	358511	GG	AA	AA	INTERGENIC		
SNP_42180B_374923	scaffold209	NW_004515753.1	374923	AA	TT	TT	INTERGENIC		
SNP_42182B_378676	scaffold209	NW_004515753.1	378676	CC	TT	TT	INTERGENIC		
SNP_42183B_378677	scaffold209	NW_004515753.1	378677	TT	CC	CC	INTERGENIC		
SNP_42184B_31555	scaffold210	NW_004515754.1	31555	AA	GG	GG	INTERGENIC		
SNP_42185B_31634	scaffold210	NW_004515754.1	31634	TT	AA	AA	INTERGENIC		
SNP_42186B_31649	scaffold210	NW_004515754.1	31649	TT	CC	CC	INTERGENIC		
SNP_42187B_31654	scaffold210	NW_004515754.1	31654	AA	GG	GG	INTERGENIC		
SNP_42189B_31728	scaffold210	NW_004515754.1	31728	TT	CC	CC	INTERGENIC		
SNP_42190B_31830	scaffold210	NW_004515754.1	31830	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42191B_31831	scaffold210	NW_004515754.1	31831	AA	GG	GG	INTERGENIC		
SNP_42192B_31854	scaffold210	NW_004515754.1	31854	TT	AA	AA	INTERGENIC		
SNP_42193B_31856	scaffold210	NW_004515754.1	31856	AA	GG	GG	INTERGENIC		
SNP_42194B_32564	scaffold210	NW_004515754.1	32564	GG	TT	TT	INTERGENIC		
SNP_42195B_43685	scaffold210	NW_004515754.1	43685	TT	CC	CC	DRR	101496506	protein trichome birefringence-like 33
SNP_42196B_95848	scaffold210	NW_004515754.1	95848	TT	AA	AA	DRR	101498030	Unknown function
SNP_42197B_111881	scaffold210	NW_004515754.1	111881	TT	GG	GG	INTERGENIC		
SNP_42198B_192378	scaffold210	NW_004515754.1	192378	AA	GG	GG	INTERGENIC		
SNP_42199B_192697	scaffold210	NW_004515754.1	192697	TT	CC	CC	INTERGENIC		
SNP_42200B_192712	scaffold210	NW_004515754.1	192712	TT	GG	GG	INTERGENIC		
SNP_42201B_192734	scaffold210	NW_004515754.1	192734	AA	GG	GG	INTERGENIC		
SNP_42202B_192791	scaffold210	NW_004515754.1	192791	TT	CC	CC	INTERGENIC		
SNP_42203B_192822	scaffold210	NW_004515754.1	192822	GG	AA	AA	INTERGENIC		
SNP_42205B_223491	scaffold210	NW_004515754.1	223491	CC	TT	TT	INTERGENIC		
SNP_42206B_233696	scaffold210	NW_004515754.1	233696	AA	CC	CC	INTERGENIC		
SNP_42207B_233859	scaffold210	NW_004515754.1	233859	CC	TT	TT	INTERGENIC		
SNP_42208B_233861	scaffold210	NW_004515754.1	233861	GG	AA	AA	INTERGENIC		
SNP_42209B_234011	scaffold210	NW_004515754.1	234011	TT	GG	GG	INTERGENIC		
SNP_42210B_298803	scaffold210	NW_004515754.1	298803	GG	AA	AA	INTERGENIC		
SNP_42211B_298816	scaffold210	NW_004515754.1	298816	AA	GG	GG	INTERGENIC		
SNP_42212B_298817	scaffold210	NW_004515754.1	298817	TT	AA	AA	INTERGENIC		
SNP_42213B_298818	scaffold210	NW_004515754.1	298818	TT	AA	AA	INTERGENIC		
SNP_42214B_298981	scaffold210	NW_004515754.1	298981	TT	GG	GG	INTERGENIC		
SNP_42216B_301859	scaffold210	NW_004515754.1	301859	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42218B_345233	scaffold210	NW_004515754.1	345233	GG	AA	AA	INTERGENIC		
SNP_42219B_387831	scaffold210	NW_004515754.1	387831	GG	AA	AA	URR	101498702	Unknown function
SNP_42220B_388204	scaffold210	NW_004515754.1	388204	AA	GG	GG	INTERGENIC		
SNP_42221B_429654	scaffold210	NW_004515754.1	429654	AA	GG	GG	INTERGENIC		
SNP_42222B_429752	scaffold210	NW_004515754.1	429752	AA	GG	GG	INTERGENIC		
SNP_42223B_429757	scaffold210	NW_004515754.1	429757	TT	CC	CC	INTERGENIC		
SNP_42224B_429788	scaffold210	NW_004515754.1	429788	CC	GG	GG	INTERGENIC		
SNP_42225B_429794	scaffold210	NW_004515754.1	429794	TT	GG	AA	INTERGENIC		
SNP_42226B_429995	scaffold210	NW_004515754.1	429995	AA	GG	GG	INTERGENIC		
SNP_42227B_496205	scaffold210	NW_004515754.1	496205	AA	CC	CC	INTERGENIC		
SNP_42228B_513599	scaffold210	NW_004515754.1	513599	CC	TT	TT	INTERGENIC		
SNP_42229B_513617	scaffold210	NW_004515754.1	513617	TT	CC	CC	INTERGENIC		
SNP_42230B_513661	scaffold210	NW_004515754.1	513661	AA	GG	GG	INTERGENIC		
SNP_42231B_513665	scaffold210	NW_004515754.1	513665	AA	GG	GG	INTERGENIC		
SNP_42232B_568665	scaffold210	NW_004515754.1	568665	TT	CC	CC	INTERGENIC		
SNP_42233B_568728	scaffold210	NW_004515754.1	568728	CC	TT	TT	INTERGENIC		
SNP_42234B_572907	scaffold210	NW_004515754.1	572907	CC	TT	TT	INTERGENIC		
SNP_42235B_573013	scaffold210	NW_004515754.1	573013	AA	GG	GG	INTERGENIC		
SNP_42236B_573028	scaffold210	NW_004515754.1	573028	AA	GG	GG	INTERGENIC		
SNP_42237B_576766	scaffold210	NW_004515754.1	576766	TT	AA	AA	INTERGENIC		
SNP_42238B_576834	scaffold210	NW_004515754.1	576834	AA	TT	TT	INTERGENIC		
SNP_42239B_576855	scaffold210	NW_004515754.1	576855	CC	TT	TT	INTERGENIC		
SNP_42240B_576909	scaffold210	NW_004515754.1	576909	GG	CC	CC	INTERGENIC		
SNP_42241B_576950	scaffold210	NW_004515754.1	576950	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42242B_577006	scaffold210	NW_004515754.1	577006	TT	AA	AA	INTERGENIC		
SNP_42243B_577019	scaffold210	NW_004515754.1	577019	GG	TT	TT	INTERGENIC		
SNP_42244B_577028	scaffold210	NW_004515754.1	577028	AA	TT	TT	INTERGENIC		
SNP_42245B_577402	scaffold210	NW_004515754.1	577402	AA	GG	GG	INTERGENIC		
SNP_42246B_577466	scaffold210	NW_004515754.1	577466	AA	GG	GG	INTERGENIC		
SNP_42247B_577491	scaffold210	NW_004515754.1	577491	GG	AA	AA	INTERGENIC		
SNP_42248B_577591	scaffold210	NW_004515754.1	577591	GG	AA	AA	INTERGENIC		
SNP_42249B_577641	scaffold210	NW_004515754.1	577641	AA	CC	CC	INTERGENIC		
SNP_42250B_577677	scaffold210	NW_004515754.1	577677	GG	AA	AA	INTERGENIC		
SNP_42251B_577781	scaffold210	NW_004515754.1	577781	AA	GG	GG	INTERGENIC		
SNP_42252B_577869	scaffold210	NW_004515754.1	577869	TT	CC	CC	INTERGENIC		
SNP_42253B_577911	scaffold210	NW_004515754.1	577911	AA	CC	CC	INTERGENIC		
SNP_42254B_580628	scaffold210	NW_004515754.1	580628	TT	AA	AA	DRR	101500309	Unknown function
SNP_42255B_580670	scaffold210	NW_004515754.1	580670	CC	AA	AA	DRR	101500309	Unknown function
SNP_42256B_580957	scaffold210	NW_004515754.1	580957	AA	GG	GG	SYNONYMOUS_CODING	101500309	Unknown function
SNP_42257B_580968	scaffold210	NW_004515754.1	580968	AA	TT	TT	STOP_LOST	101500309	Unknown function
SNP_42258B_607381	scaffold210	NW_004515754.1	607381	CC	TT	TT	INTERGENIC		
SNP_42259B_621857	scaffold210	NW_004515754.1	621857	TT	AA	AA	INTERGENIC		
SNP_42260B_8677	scaffold212	NW_004515755.1	8677	GG	AA	AA	INTERGENIC		
SNP_42261B_8739	scaffold212	NW_004515755.1	8739	CC	GG	GG	INTERGENIC		
SNP_42262B_8808	scaffold212	NW_004515755.1	8808	CC	TT	TT	INTERGENIC		
SNP_42263B_8904	scaffold212	NW_004515755.1	8904	AA	GG	GG	INTERGENIC		
SNP_42264B_8989	scaffold212	NW_004515755.1	8989	CC	TT	TT	INTERGENIC		
SNP_42265B_9107	scaffold212	NW_004515755.1	9107	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42266B_64609	scaffold212	NW_004515755.1	64609	CC	AA	AA	INTERGENIC		
SNP_42267B_89120	scaffold212	NW_004515755.1	89120	CC	TT	TT	INTERGENIC		
SNP_42268B_101089	scaffold212	NW_004515755.1	101089	CC	TT	TT	INTERGENIC		
SNP_42269B_161490	scaffold212	NW_004515755.1	161490	TT	GG	GG	INTERGENIC		
SNP_42270B_180832	scaffold212	NW_004515755.1	180832	CC	TT	TT	INTERGENIC		
SNP_42271B_180938	scaffold212	NW_004515755.1	180938	TT	GG	GG	INTERGENIC		
SNP_42272B_181056	scaffold212	NW_004515755.1	181056	CC	AA	AA	INTERGENIC		
SNP_42273B_181153	scaffold212	NW_004515755.1	181153	CC	AA	AA	INTERGENIC		
SNP_42274B_181362	scaffold212	NW_004515755.1	181362	CC	TT	TT	INTERGENIC		
SNP_42275B_181367	scaffold212	NW_004515755.1	181367	AA	TT	TT	INTERGENIC		
SNP_42276B_207339	scaffold212	NW_004515755.1	207339	TT	CC	CC	INTERGENIC		
SNP_42277B_207809	scaffold212	NW_004515755.1	207809	TT	CC	CC	INTERGENIC		
SNP_42278B_207838	scaffold212	NW_004515755.1	207838	TT	CC	CC	INTERGENIC		
SNP_42279B_209695	scaffold212	NW_004515755.1	209695	TT	CC	CC	INTERGENIC		
SNP_42280B_273304	scaffold212	NW_004515755.1	273304	TT	CC	CC	INTERGENIC		
SNP_42282B_296366	scaffold212	NW_004515755.1	296366	GG	TT	TT	INTERGENIC		
SNP_42283B_296919	scaffold212	NW_004515755.1	296919	AA	TT	TT	INTERGENIC		
SNP_42284B_296929	scaffold212	NW_004515755.1	296929	TT	GG	GG	INTERGENIC		
SNP_42285B_296932	scaffold212	NW_004515755.1	296932	AA	CC	CC	INTERGENIC		
SNP_42286B_332169	scaffold212	NW_004515755.1	332169	GG	TT	TT	INTERGENIC		
SNP_42287B_353931	scaffold212	NW_004515755.1	353931	AA	TT	TT	INTERGENIC		
SNP_42288B_354322	scaffold212	NW_004515755.1	354322	AA	GG	GG	INTERGENIC		
SNP_42289B_356394	scaffold212	NW_004515755.1	356394	TT	CC	CC	INTERGENIC		
SNP_42290B_356470	scaffold212	NW_004515755.1	356470	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42291B_356587	scaffold212	NW_004515755.1	356587	TT	CC	CC	INTERGENIC		
SNP_42292B_356634	scaffold212	NW_004515755.1	356634	GG	TT	TT	INTERGENIC		
SNP_42293B_356814	scaffold212	NW_004515755.1	356814	TT	CC	CC	INTERGENIC		
SNP_42294B_356837	scaffold212	NW_004515755.1	356837	AA	GG	GG	INTERGENIC		
SNP_42295B_356840	scaffold212	NW_004515755.1	356840	AA	GG	GG	INTERGENIC		
SNP_42296B_356896	scaffold212	NW_004515755.1	356896	TT	GG	GG	INTERGENIC		
SNP_42297B_356979	scaffold212	NW_004515755.1	356979	GG	AA	AA	INTERGENIC		
SNP_42298B_356996	scaffold212	NW_004515755.1	356996	GG	AA	AA	INTERGENIC		
SNP_42299B_357009	scaffold212	NW_004515755.1	357009	GG	AA	AA	INTERGENIC		
SNP_42300B_357016	scaffold212	NW_004515755.1	357016	CC	TT	TT	INTERGENIC		
SNP_42301B_357039	scaffold212	NW_004515755.1	357039	CC	TT	TT	INTERGENIC		
SNP_42302B_357045	scaffold212	NW_004515755.1	357045	CC	GG	GG	INTERGENIC		
SNP_42303B_365672	scaffold212	NW_004515755.1	365672	AA	GG	GG	INTERGENIC		
SNP_42304B_366004	scaffold212	NW_004515755.1	366004	TT	CC	CC	INTERGENIC		
SNP_42305B_366039	scaffold212	NW_004515755.1	366039	TT	CC	CC	INTERGENIC		
SNP_42306B_368309	scaffold212	NW_004515755.1	368309	AA	CC	CC	INTERGENIC		
SNP_42307B_368839	scaffold212	NW_004515755.1	368839	GG	AA	AA	INTERGENIC		
SNP_42308B_368868	scaffold212	NW_004515755.1	368868	GG	TT	TT	INTERGENIC		
SNP_42309B_369277	scaffold212	NW_004515755.1	369277	TT	CC	CC	INTERGENIC		
SNP_42310B_369382	scaffold212	NW_004515755.1	369382	GG	AA	AA	INTERGENIC		
SNP_42311B_426175	scaffold212	NW_004515755.1	426175	TT	CC	CC	URR	101503476	uncharacterized LOC101503476
SNP_42312B_426176	scaffold212	NW_004515755.1	426176	GG	AA	AA	URR	101503476	uncharacterized LOC101503476
SNP_42313B_463437	scaffold212	NW_004515755.1	463437	AA	TT	TT	INTERGENIC		
SNP_42314B_463438	scaffold212	NW_004515755.1	463438	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42315B_463452	scaffold212	NW_004515755.1	463452	GG	AA	AA	INTERGENIC		
SNP_42316B_463476	scaffold212	NW_004515755.1	463476	TT	GG	GG	INTERGENIC		
SNP_42317B_463503	scaffold212	NW_004515755.1	463503	TT	AA	AA	INTERGENIC		
SNP_42318B_463544	scaffold212	NW_004515755.1	463544	AA	GG	GG	INTERGENIC		
SNP_42320B_464598	scaffold212	NW_004515755.1	464598	GG	AA	AA	INTERGENIC		
SNP_42321B_500674	scaffold212	NW_004515755.1	500674	CC	TT	TT	INTERGENIC		
SNP_42322B_500687	scaffold212	NW_004515755.1	500687	TT	GG	GG	INTERGENIC		
SNP_42323B_500733	scaffold212	NW_004515755.1	500733	AA	GG	GG	INTERGENIC		
SNP_42324B_500949	scaffold212	NW_004515755.1	500949	TT	CC	CC	INTERGENIC		
SNP_42325B_501001	scaffold212	NW_004515755.1	501001	GG	CC	CC	INTERGENIC		
SNP_42328B_501058	scaffold212	NW_004515755.1	501058	CC	TT	TT	INTERGENIC		
SNP_42329B_6875	scaffold214	NW_004515756.1	6875	GG	TT	TT	INTERGENIC		
SNP_42330B_6993	scaffold214	NW_004515756.1	6993	GG	TT	TT	INTERGENIC		
SNP_42331B_7511	scaffold214	NW_004515756.1	7511	AA	TT	TT	INTERGENIC		
SNP_42332B_14322	scaffold214	NW_004515756.1	14322	AA	CC	CC	INTERGENIC		
SNP_42334B_19659	scaffold214	NW_004515756.1	19659	TT	GG	GG	INTERGENIC		
SNP_42335B_24773	scaffold214	NW_004515756.1	24773	AA	GG	GG	INTERGENIC		
SNP_42336B_29373	scaffold214	NW_004515756.1	29373	AA	GG	GG	INTERGENIC		
SNP_42337B_29489	scaffold214	NW_004515756.1	29489	TT	CC	CC	INTERGENIC		
SNP_42338B_34765	scaffold214	NW_004515756.1	34765	TT	AA	AA	INTERGENIC		
SNP_42339B_34823	scaffold214	NW_004515756.1	34823	AA	TT	TT	INTERGENIC		
SNP_42340B_35310	scaffold214	NW_004515756.1	35310	GG	AA	AA	INTERGENIC		
SNP_42341B_35311	scaffold214	NW_004515756.1	35311	AA	GG	GG	INTERGENIC		
SNP_42342B_35355	scaffold214	NW_004515756.1	35355	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42343B_35375	scaffold214	NW_004515756.1	35375	AA	GG	GG	INTERGENIC		
SNP_42344B_39306	scaffold214	NW_004515756.1	39306	AA	GG	GG	INTERGENIC		
SNP_42345B_49796	scaffold214	NW_004515756.1	49796	CC	TT	TT	INTERGENIC		
SNP_42346B_51685	scaffold214	NW_004515756.1	51685	TT	CC	CC	INTERGENIC		
SNP_42347B_54754	scaffold214	NW_004515756.1	54754	CC	TT	TT	INTERGENIC		
SNP_42348B_54890	scaffold214	NW_004515756.1	54890	TT	AA	AA	INTERGENIC		
SNP_42349B_55137	scaffold214	NW_004515756.1	55137	AA	GG	GG	INTERGENIC		
SNP_42350B_55172	scaffold214	NW_004515756.1	55172	CC	TT	TT	INTERGENIC		
SNP_42351B_55243	scaffold214	NW_004515756.1	55243	TT	CC	CC	INTERGENIC		
SNP_42352B_55245	scaffold214	NW_004515756.1	55245	TT	CC	CC	INTERGENIC		
SNP_42353B_55261	scaffold214	NW_004515756.1	55261	GG	AA	AA	INTERGENIC		
SNP_42354B_55510	scaffold214	NW_004515756.1	55510	TT	AA	AA	INTERGENIC		
SNP_42355B_59809	scaffold214	NW_004515756.1	59809	CC	GG	GG	INTERGENIC		
SNP_42356B_59823	scaffold214	NW_004515756.1	59823	GG	AA	AA	INTERGENIC		
SNP_42357B_79386	scaffold214	NW_004515756.1	79386	GG	AA	AA	INTERGENIC		
SNP_42358B_79522	scaffold214	NW_004515756.1	79522	AA	GG	GG	INTERGENIC		
SNP_42359B_81036	scaffold214	NW_004515756.1	81036	TT	GG	GG	INTERGENIC		
SNP_42360B_81344	scaffold214	NW_004515756.1	81344	CC	TT	TT	INTERGENIC		
SNP_42361B_82070	scaffold214	NW_004515756.1	82070	AA	TT	TT	INTERGENIC		
SNP_42362B_92041	scaffold214	NW_004515756.1	92041	CC	AA	AA	INTERGENIC		
SNP_42363B_92188	scaffold214	NW_004515756.1	92188	CC	TT	TT	INTERGENIC		
SNP_42364B_92340	scaffold214	NW_004515756.1	92340	GG	AA	AA	INTERGENIC		
SNP_42365B_104418	scaffold214	NW_004515756.1	104418	CC	TT	TT	INTERGENIC		
SNP_42366B_106341	scaffold214	NW_004515756.1	106341	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42367B_106347	scaffold214	NW_004515756.1	106347	AA	CC	CC	INTERGENIC		
SNP_42368B_106450	scaffold214	NW_004515756.1	106450	GG	AA	AA	INTERGENIC		
SNP_42369B_120145	scaffold214	NW_004515756.1	120145	CC	GG	GG	INTERGENIC		
SNP_42370B_125677	scaffold214	NW_004515756.1	125677	GG	AA	AA	INTERGENIC		
SNP_42371B_125782	scaffold214	NW_004515756.1	125782	GG	AA	AA	INTERGENIC		
SNP_42372B_128104	scaffold214	NW_004515756.1	128104	CC	TT	TT	INTERGENIC		
SNP_42373B_128109	scaffold214	NW_004515756.1	128109	CC	TT	TT	INTERGENIC		
SNP_42374B_128119	scaffold214	NW_004515756.1	128119	GG	TT	TT	INTERGENIC		
SNP_42375B_131287	scaffold214	NW_004515756.1	131287	GG	AA	AA	INTERGENIC		
SNP_42376B_136994	scaffold214	NW_004515756.1	136994	AA	TT	TT	INTERGENIC		
SNP_42377B_137032	scaffold214	NW_004515756.1	137032	TT	CC	CC	INTERGENIC		
SNP_42378B_137357	scaffold214	NW_004515756.1	137357	TT	GG	GG	INTERGENIC		
SNP_42379B_138712	scaffold214	NW_004515756.1	138712	TT	GG	GG	INTERGENIC		
SNP_42380B_139241	scaffold214	NW_004515756.1	139241	CC	TT	TT	INTERGENIC		
SNP_42381B_139270	scaffold214	NW_004515756.1	139270	CC	TT	TT	INTERGENIC		
SNP_42382B_139295	scaffold214	NW_004515756.1	139295	CC	GG	GG	INTERGENIC		
SNP_42383B_139309	scaffold214	NW_004515756.1	139309	AA	CC	CC	INTERGENIC		
SNP_42384B_139401	scaffold214	NW_004515756.1	139401	TT	GG	GG	INTERGENIC		
SNP_42385B_144470	scaffold214	NW_004515756.1	144470	GG	TT	TT	INTERGENIC		
SNP_42386B_144563	scaffold214	NW_004515756.1	144563	AA	GG	GG	INTERGENIC		
SNP_42387B_144612	scaffold214	NW_004515756.1	144612	TT	AA	AA	INTERGENIC		
SNP_42388B_144774	scaffold214	NW_004515756.1	144774	AA	TT	TT	INTERGENIC		
SNP_42389B_144834	scaffold214	NW_004515756.1	144834	AA	CC	CC	INTERGENIC		
SNP_42390B_14175	scaffold217	NW_004515757.1	14175	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42391B_16808	scaffold217	NW_004515757.1	16808	CC	AA	AA	INTERGENIC		
SNP_42392B_1186	scaffold220	NW_004515758.1	1186	AA	CC	CC	INTERGENIC		
SNP_42393B_1532	scaffold220	NW_004515758.1	1532	TT	CC	CC	INTERGENIC		
SNP_42394B_1646	scaffold220	NW_004515758.1	1646	GG	TT	TT	INTERGENIC		
SNP_42395B_1708	scaffold220	NW_004515758.1	1708	AA	CC	CC	INTERGENIC		
SNP_42396B_4706	scaffold220	NW_004515758.1	4706	TT	AA	AA	INTERGENIC		
SNP_42397B_4812	scaffold220	NW_004515758.1	4812	GG	CC	CC	INTERGENIC		
SNP_42398B_4981	scaffold220	NW_004515758.1	4981	AA	GG	GG	INTERGENIC		
SNP_42399B_4987	scaffold220	NW_004515758.1	4987	TT	CC	CC	INTERGENIC		
SNP_42400B_4989	scaffold220	NW_004515758.1	4989	GG	AA	AA	INTERGENIC		
SNP_42401B_5414	scaffold220	NW_004515758.1	5414	AA	TT	TT	INTERGENIC		
SNP_42402B_5789	scaffold220	NW_004515758.1	5789	AA	GG	GG	INTERGENIC		
SNP_42403B_18834	scaffold221	NW_004515759.1	18834	AA	GG	GG	INTERGENIC		
SNP_42404B_18858	scaffold221	NW_004515759.1	18858	AA	GG	GG	INTERGENIC		
SNP_42405B_18866	scaffold221	NW_004515759.1	18866	AA	TT	TT	INTERGENIC		
SNP_42406B_26376	scaffold221	NW_004515759.1	26376	CC	TT	TT	INTERGENIC		
SNP_42407B_61219	scaffold221	NW_004515759.1	61219	TT	CC	CC	INTERGENIC		
SNP_42408B_61301	scaffold221	NW_004515759.1	61301	CC	AA	AA	INTERGENIC		
SNP_42409B_61306	scaffold221	NW_004515759.1	61306	TT	CC	CC	INTERGENIC		
SNP_42410B_61644	scaffold221	NW_004515759.1	61644	AA	GG	GG	INTERGENIC		
SNP_42411B_62907	scaffold221	NW_004515759.1	62907	AA	GG	GG	INTERGENIC		
SNP_42412B_62913	scaffold221	NW_004515759.1	62913	TT	CC	CC	INTERGENIC		
SNP_42413B_65208	scaffold221	NW_004515759.1	65208	GG	AA	AA	INTERGENIC		
SNP_42414B_81383	scaffold221	NW_004515759.1	81383	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42415B_81406	scaffold221	NW_004515759.1	81406	GG	TT	TT	INTERGENIC		
SNP_42416B_81497	scaffold221	NW_004515759.1	81497	TT	CC	CC	INTERGENIC		
SNP_42417B_92573	scaffold221	NW_004515759.1	92573	AA	GG	GG	INTERGENIC		
SNP_42418B_109925	scaffold221	NW_004515759.1	109925	CC	AA	AA	INTERGENIC		
SNP_42419B_110034	scaffold221	NW_004515759.1	110034	AA	GG	GG	INTERGENIC		
SNP_42420B_110376	scaffold221	NW_004515759.1	110376	GG	CC	CC	INTERGENIC		
SNP_42421B_110459	scaffold221	NW_004515759.1	110459	CC	AA	AA	INTERGENIC		
SNP_42422B_35786	scaffold222	NW_004515760.1	35786	AA	CC	CC	INTERGENIC		
SNP_42423B_46729	scaffold222	NW_004515760.1	46729	AA	GG	GG	INTERGENIC		
SNP_42424B_46735	scaffold222	NW_004515760.1	46735	AA	GG	GG	INTERGENIC		
SNP_42425B_65848	scaffold222	NW_004515760.1	65848	AA	GG	GG	INTERGENIC		
SNP_42426B_28684	scaffold223	NW_004515761.1	28684	AA	GG	GG	INTRON	101508314	probable sugar phosphate/phosphate translocator At5g25400
SNP_42427B_36543	scaffold223	NW_004515761.1	36543	TT	GG	GG	INTERGENIC		
SNP_42428B_61172	scaffold223	NW_004515761.1	61172	GG	AA	AA	INTRON	101507365	vacuolar amino acid transporter 1-like
SNP_42429B_78760	scaffold223	NW_004515761.1	78760	CC	TT	TT	INTERGENIC		
SNP_42430B_95723	scaffold223	NW_004515761.1	95723	CC	TT	TT	INTRON	101508631	uncharacterized LOC101508631
SNP_42431B_95859	scaffold223	NW_004515761.1	95859	AA	CC	CC	INTRON	101508631	uncharacterized LOC101508631
SNP_42432B_95862	scaffold223	NW_004515761.1	95862	AA	GG	GG	INTRON	101508631	uncharacterized LOC101508631
SNP_42434B_175051	scaffold223	NW_004515761.1	175051	CC	AA	AA	INTERGENIC		
SNP_42435B_182153	scaffold223	NW_004515761.1	182153	CC	TT	TT	INTERGENIC		
SNP_42436B_182154	scaffold223	NW_004515761.1	182154	TT	CC	CC	INTERGENIC		
SNP_42437B_182257	scaffold223	NW_004515761.1	182257	AA	TT	TT	INTERGENIC		
SNP_42438B_8154	scaffold224	NW_004515762.1	8154	AA	GG	GG	INTERGENIC		
SNP_42439B_20397	scaffold224	NW_004515762.1	20397	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42440B_20412	scaffold224	NW_004515762.1	20412	GG	AA	AA	INTERGENIC		
SNP_42441B_20419	scaffold224	NW_004515762.1	20419	AA	CC	CC	INTERGENIC		
SNP_42442B_20428	scaffold224	NW_004515762.1	20428	GG	AA	AA	INTERGENIC		
SNP_42443B_20488	scaffold224	NW_004515762.1	20488	CC	AA	AA	INTERGENIC		
SNP_42444B_20499	scaffold224	NW_004515762.1	20499	GG	AA	AA	INTERGENIC		
SNP_42445B_20526	scaffold224	NW_004515762.1	20526	TT	GG	GG	INTERGENIC		
SNP_42446B_20761	scaffold224	NW_004515762.1	20761	CC	TT	TT	INTERGENIC		
SNP_42447B_20878	scaffold224	NW_004515762.1	20878	TT	CC	CC	INTERGENIC		
SNP_42448B_34677	scaffold224	NW_004515762.1	34677	TT	CC	CC	INTERGENIC		
SNP_42449B_34720	scaffold224	NW_004515762.1	34720	GG	TT	TT	INTERGENIC		
SNP_42450B_37051	scaffold224	NW_004515762.1	37051	AA	GG	GG	INTERGENIC		
SNP_42451B_152163	scaffold224	NW_004515762.1	152163	AA	CC	CC	URR	101511200	Unknown function
SNP_42452B_152179	scaffold224	NW_004515762.1	152179	AA	TT	TT	URR	101511200	Unknown function
SNP_42453B_152191	scaffold224	NW_004515762.1	152191	AA	GG	GG	URR	101511200	Unknown function
SNP_42454B_152192	scaffold224	NW_004515762.1	152192	TT	AA	AA	URR	101511200	Unknown function
SNP_42455B_152197	scaffold224	NW_004515762.1	152197	GG	AA	AA	URR	101511200	Unknown function
SNP_42456B_152228	scaffold224	NW_004515762.1	152228	GG	CC	CC	URR	101511200	Unknown function
SNP_42457B_152236	scaffold224	NW_004515762.1	152236	GG	CC	CC	URR	101511200	Unknown function
SNP_42458B_152251	scaffold224	NW_004515762.1	152251	TT	AA	AA	URR	101511200	Unknown function
SNP_42459B_152252	scaffold224	NW_004515762.1	152252	TT	CC	CC	URR	101511200	Unknown function
SNP_42460B_152269	scaffold224	NW_004515762.1	152269	AA	CC	CC	URR	101511200	Unknown function
SNP_42461B_152287	scaffold224	NW_004515762.1	152287	GG	CC	CC	URR	101511200	Unknown function
SNP_42462B_152288	scaffold224	NW_004515762.1	152288	TT	CC	CC	URR	101511200	Unknown function
SNP_42463B_152570	scaffold224	NW_004515762.1	152570	AA	GG	GG	URR	101511200	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42464B_152579	scaffold224	NW_004515762.1	152579	AA	TT	TT	URR	101511200	Unknown function
SNP_42465B_152595	scaffold224	NW_004515762.1	152595	GG	AA	AA	URR	101511200	Unknown function
SNP_42466B_152669	scaffold224	NW_004515762.1	152669	AA	GG	GG	URR	101511200	Unknown function
SNP_42467B_152676	scaffold224	NW_004515762.1	152676	AA	GG	GG	URR	101511200	Unknown function
SNP_42468B_152682	scaffold224	NW_004515762.1	152682	AA	CC	CC	URR	101511200	Unknown function
SNP_42469B_161249	scaffold224	NW_004515762.1	161249	CC	TT	TT	DRR	101511849	Unknown function
SNP_42470B_161257	scaffold224	NW_004515762.1	161257	TT	GG	GG	DRR	101511849	Unknown function
SNP_42471B_161314	scaffold224	NW_004515762.1	161314	TT	CC	CC	URR	101511522	Unknown function
SNP_42472B_161320	scaffold224	NW_004515762.1	161320	TT	CC	CC	URR	101511522	Unknown function
SNP_42473B_161322	scaffold224	NW_004515762.1	161322	AA	GG	GG	URR	101511522	Unknown function
SNP_42474B_161324	scaffold224	NW_004515762.1	161324	TT	CC	CC	URR	101511522	Unknown function
SNP_42475B_161332	scaffold224	NW_004515762.1	161332	TT	CC	CC	URR	101511522	Unknown function
SNP_42476B_161345	scaffold224	NW_004515762.1	161345	AA	GG	GG	URR	101511522	Unknown function
SNP_42477B_161659	scaffold224	NW_004515762.1	161659	TT	CC	CC	URR	101511522	Unknown function
SNP_42478B_161683	scaffold224	NW_004515762.1	161683	AA	GG	GG	URR	101511522	Unknown function
SNP_42479B_161694	scaffold224	NW_004515762.1	161694	CC	GG	GG	URR	101511522	Unknown function
SNP_42480B_161752	scaffold224	NW_004515762.1	161752	GG	TT	TT	URR	101511522	Unknown function
SNP_42481B_165323	scaffold224	NW_004515762.1	165323	AA	GG	GG	INTRON	101512161	uncharacterized LOC101512161
SNP_42482B_165328	scaffold224	NW_004515762.1	165328	GG	TT	TT	INTRON	101512161	uncharacterized LOC101512161
SNP_42483B_186158	scaffold224	NW_004515762.1	186158	AA	GG	GG	INTRON	101512161	uncharacterized LOC101512161
SNP_42484B_186187	scaffold224	NW_004515762.1	186187	TT	CC	CC	INTRON	101512161	uncharacterized LOC101512161
SNP_42485B_186188	scaffold224	NW_004515762.1	186188	GG	CC	CC	INTRON	101512161	uncharacterized LOC101512161
SNP_42486B_186225	scaffold224	NW_004515762.1	186225	GG	TT	TT	INTRON	101512161	uncharacterized LOC101512161
SNP_42487B_186233	scaffold224	NW_004515762.1	186233	TT	CC	CC	INTRON	101512161	uncharacterized LOC101512161

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42488B_186235	scaffold224	NW_004515762.1	186235	AA	GG	GG	INTRON	101512161	uncharacterized LOC101512161
SNP_42489B_186248	scaffold224	NW_004515762.1	186248	AA	GG	GG	INTRON	101512161	uncharacterized LOC101512161
SNP_42490B_186254	scaffold224	NW_004515762.1	186254	AA	GG	GG	INTRON	101512161	uncharacterized LOC101512161
SNP_42491B_186270	scaffold224	NW_004515762.1	186270	AA	GG	GG	INTRON	101512161	uncharacterized LOC101512161
SNP_42492B_186289	scaffold224	NW_004515762.1	186289	TT	GG	GG	INTRON	101512161	uncharacterized LOC101512161
SNP_42493B_186323	scaffold224	NW_004515762.1	186323	AA	GG	GG	INTRON	101512161	uncharacterized LOC101512161
SNP_42494B_186356	scaffold224	NW_004515762.1	186356	TT	CC	CC	INTRON	101512161	uncharacterized LOC101512161
SNP_42495B_186357	scaffold224	NW_004515762.1	186357	AA	GG	GG	INTRON	101512161	uncharacterized LOC101512161
SNP_42496B_186371	scaffold224	NW_004515762.1	186371	TT	CC	CC	INTRON	101512161	uncharacterized LOC101512161
SNP_42497B_186398	scaffold224	NW_004515762.1	186398	AA	GG	GG	INTRON	101512161	uncharacterized LOC101512161
SNP_42499B_186603	scaffold224	NW_004515762.1	186603	AA	GG	GG	NON_SYNONYMOUS_CODING	101512161	uncharacterized LOC101512161
SNP_42500B_186619	scaffold224	NW_004515762.1	186619	AA	GG	GG	STOP_LOST	101512161	uncharacterized LOC101512161
SNP_42501B_186789	scaffold224	NW_004515762.1	186789	TT	CC	CC	INTRON	101512161	uncharacterized LOC101512161
SNP_42502B_204225	scaffold224	NW_004515762.1	204225	TT	GG	GG	INTRON	101510885	myb-like protein D
SNP_42503B_204226	scaffold224	NW_004515762.1	204226	TT	CC	CC	INTRON	101510885	myb-like protein D
SNP_42504B_221395	scaffold224	NW_004515762.1	221395	CC	GG	GG	INTERGENIC		
SNP_42505B_260680	scaffold224	NW_004515762.1	260680	AA	CC	CC	INTERGENIC		
SNP_42506B_294209	scaffold224	NW_004515762.1	294209	AA	GG	GG	INTERGENIC		
SNP_42507B_294281	scaffold224	NW_004515762.1	294281	CC	TT	TT	INTERGENIC		
SNP_42508B_12407	scaffold227	NW_004515763.1	12407	AA	GG	GG	INTERGENIC		
SNP_42510B_59907	scaffold227	NW_004515763.1	59907	GG	AA	AA	INTERGENIC		
SNP_42511B_59983	scaffold227	NW_004515763.1	59983	AA	CC	CC	INTERGENIC		
SNP_42512B_59986	scaffold227	NW_004515763.1	59986	AA	CC	CC	INTERGENIC		
SNP_42513B_80425	scaffold227	NW_004515763.1	80425	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42514B_80426	scaffold227	NW_004515763.1	80426	TT	GG	GG	INTERGENIC		
SNP_42515B_134777	scaffold227	NW_004515763.1	134777	TT	CC	CC	URR	101512805	Unknown function
SNP_42516B_134778	scaffold227	NW_004515763.1	134778	TT	CC	CC	URR	101512805	Unknown function
SNP_42517B_134780	scaffold227	NW_004515763.1	134780	TT	CC	CC	URR	101512805	Unknown function
SNP_42518B_134791	scaffold227	NW_004515763.1	134791	AA	GG	GG	URR	101512805	Unknown function
SNP_42519B_135387	scaffold227	NW_004515763.1	135387	TT	GG	GG	URR	101512805	Unknown function
SNP_42520B_135403	scaffold227	NW_004515763.1	135403	AA	GG	GG	URR	101512805	Unknown function
SNP_42521B_135408	scaffold227	NW_004515763.1	135408	AA	CC	CC	URR	101512805	Unknown function
SNP_42522B_135409	scaffold227	NW_004515763.1	135409	AA	GG	GG	URR	101512805	Unknown function
SNP_42523B_135419	scaffold227	NW_004515763.1	135419	TT	CC	CC	URR	101512805	Unknown function
SNP_42524B_135455	scaffold227	NW_004515763.1	135455	TT	CC	CC	URR	101512805	Unknown function
SNP_42526B_135525	scaffold227	NW_004515763.1	135525	AA	GG	GG	URR	101512805	Unknown function
SNP_42527B_135532	scaffold227	NW_004515763.1	135532	AA	CC	CC	URR	101512805	Unknown function
SNP_42528B_136507	scaffold227	NW_004515763.1	136507	AA	GG	GG	INTERGENIC		
SNP_42529B_136515	scaffold227	NW_004515763.1	136515	AA	TT	TT	INTERGENIC		
SNP_42530B_136528	scaffold227	NW_004515763.1	136528	CC	GG	GG	INTERGENIC		
SNP_42531B_136878	scaffold227	NW_004515763.1	136878	TT	CC	CC	INTERGENIC		
SNP_42532B_136917	scaffold227	NW_004515763.1	136917	TT	AA	AA	INTERGENIC		
SNP_42533B_136935	scaffold227	NW_004515763.1	136935	TT	AA	AA	INTERGENIC		
SNP_42534B_140572	scaffold227	NW_004515763.1	140572	AA	GG	GG	INTRON	id197586	Unknown function
SNP_42535B_140577	scaffold227	NW_004515763.1	140577	TT	CC	CC	INTRON	id197586	Unknown function
SNP_42536B_140884	scaffold227	NW_004515763.1	140884	TT	AA	AA	DRR	101512488	Unknown function
SNP_42537B_140918	scaffold227	NW_004515763.1	140918	AA	CC	CC	DRR	101512488	Unknown function
SNP_42538B_140921	scaffold227	NW_004515763.1	140921	AA	CC	CC	DRR	101512488	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42539B_140937	scaffold227	NW_004515763.1	140937	AA	TT	TT	DRR	101512488	Unknown function
SNP_42541B_141016	scaffold227	NW_004515763.1	141016	GG	TT	TT	DRR	101512488	Unknown function
SNP_42542B_141037	scaffold227	NW_004515763.1	141037	TT	CC	CC	DRR	101512488	Unknown function
SNP_42543B_141068	scaffold227	NW_004515763.1	141068	AA	GG	GG	DRR	101512488	Unknown function
SNP_42544B_141164	scaffold227	NW_004515763.1	141164	GG	AA	AA	DRR	101512488	Unknown function
SNP_42545B_141177	scaffold227	NW_004515763.1	141177	TT	CC	CC	DRR	101512488	Unknown function
SNP_42546B_141207	scaffold227	NW_004515763.1	141207	TT	AA	AA	DRR	101512488	Unknown function
SNP_42547B_141256	scaffold227	NW_004515763.1	141256	TT	CC	CC	DRR	101512488	Unknown function
SNP_42548B_141605	scaffold227	NW_004515763.1	141605	CC	GG	GG	DRR	101512488	Unknown function
SNP_42549B_141609	scaffold227	NW_004515763.1	141609	AA	GG	GG	DRR	101512488	Unknown function
SNP_42550B_141680	scaffold227	NW_004515763.1	141680	GG	CC	CC	INTRON	id197586	Unknown function
SNP_42551B_141685	scaffold227	NW_004515763.1	141685	TT	CC	CC	INTRON	id197586	Unknown function
SNP_42552B_142531	scaffold227	NW_004515763.1	142531	TT	CC	CC	URR	101513459	Unknown function
SNP_42553B_142547	scaffold227	NW_004515763.1	142547	AA	GG	GG	URR	101513459	Unknown function
SNP_42554B_142553	scaffold227	NW_004515763.1	142553	AA	GG	GG	URR	101513459	Unknown function
SNP_42555B_142564	scaffold227	NW_004515763.1	142564	AA	CC	CC	URR	101513459	Unknown function
SNP_42556B_144233	scaffold227	NW_004515763.1	144233	AA	GG	GG	INTERGENIC		
SNP_42557B_144260	scaffold227	NW_004515763.1	144260	TT	CC	CC	INTERGENIC		
SNP_42558B_144360	scaffold227	NW_004515763.1	144360	TT	AA	AA	INTERGENIC		
SNP_42559B_144406	scaffold227	NW_004515763.1	144406	TT	CC	CC	INTERGENIC		
SNP_42560B_144514	scaffold227	NW_004515763.1	144514	TT	CC	CC	INTERGENIC		
SNP_42561B_144516	scaffold227	NW_004515763.1	144516	AA	CC	CC	INTERGENIC		
SNP_42562B_144525	scaffold227	NW_004515763.1	144525	AA	CC	CC	INTERGENIC		
SNP_42563B_144542	scaffold227	NW_004515763.1	144542	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42564B_144561	scaffold227	NW_004515763.1	144561	TT	CC	CC	INTERGENIC		
SNP_42565B_144587	scaffold227	NW_004515763.1	144587	AA	GG	GG	INTERGENIC		
SNP_42566B_144618	scaffold227	NW_004515763.1	144618	AA	CC	CC	INTERGENIC		
SNP_42567B_147205	scaffold227	NW_004515763.1	147205	TT	GG	GG	INTRON	101513769	Unknown function
SNP_42568B_195072	scaffold227	NW_004515763.1	195072	CC	AA	AA	INTRON	101513769	Unknown function
SNP_42569B_195080	scaffold227	NW_004515763.1	195080	AA	CC	CC	INTRON	101513769	Unknown function
SNP_42570B_195092	scaffold227	NW_004515763.1	195092	TT	CC	CC	INTRON	101513769	Unknown function
SNP_42571B_195149	scaffold227	NW_004515763.1	195149	TT	GG	GG	INTRON	101513769	Unknown function
SNP_42572B_195271	scaffold227	NW_004515763.1	195271	AA	TT	TT	INTRON	101513769	Unknown function
SNP_42573B_195431	scaffold227	NW_004515763.1	195431	GG	TT	TT	INTRON	101513769	Unknown function
SNP_42574B_195497	scaffold227	NW_004515763.1	195497	CC	AA	AA	INTRON	101513769	Unknown function
SNP_42575B_195547	scaffold227	NW_004515763.1	195547	TT	CC	CC	INTRON	101513769	Unknown function
SNP_42576B_195606	scaffold227	NW_004515763.1	195606	AA	CC	CC	INTRON	101513769	Unknown function
SNP_42577B_195667	scaffold227	NW_004515763.1	195667	AA	GG	GG	INTRON	101513769	Unknown function
SNP_42579B_195708	scaffold227	NW_004515763.1	195708	TT	CC	CC	INTRON	101513769	Unknown function
SNP_42580B_195725	scaffold227	NW_004515763.1	195725	AA	GG	GG	INTRON	101513769	Unknown function
SNP_42581B_195734	scaffold227	NW_004515763.1	195734	CC	GG	GG	INTRON	101513769	Unknown function
SNP_42582B_195790	scaffold227	NW_004515763.1	195790	TT	AA	AA	INTRON	101513769	Unknown function
SNP_42583B_195891	scaffold227	NW_004515763.1	195891	GG	TT	TT	INTRON	101513769	Unknown function
SNP_42584B_195936	scaffold227	NW_004515763.1	195936	CC	TT	TT	INTRON	101513769	Unknown function
SNP_42585B_195940	scaffold227	NW_004515763.1	195940	AA	CC	CC	INTRON	101513769	Unknown function
SNP_42587B_196012	scaffold227	NW_004515763.1	196012	GG	AA	AA	INTRON	101513769	Unknown function
SNP_42588B_196046	scaffold227	NW_004515763.1	196046	TT	CC	CC	INTRON	101513769	Unknown function
SNP_42589B_196089	scaffold227	NW_004515763.1	196089	AA	GG	GG	INTRON	101513769	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42590B_196095	scaffold227	NW_004515763.1	196095	AA	GG	GG	INTRON	101513769	Unknown function
SNP_42592B_196157	scaffold227	NW_004515763.1	196157	AA	GG	GG	INTRON	101513769	Unknown function
SNP_42593B_196185	scaffold227	NW_004515763.1	196185	AA	GG	GG	INTRON	101513769	Unknown function
SNP_42594B_196193	scaffold227	NW_004515763.1	196193	CC	TT	TT	INTRON	101513769	Unknown function
SNP_42595B_196196	scaffold227	NW_004515763.1	196196	CC	TT	TT	INTRON	101513769	Unknown function
SNP_42596B_196228	scaffold227	NW_004515763.1	196228	AA	CC	CC	INTRON	101513769	Unknown function
SNP_42598B_196384	scaffold227	NW_004515763.1	196384	TT	AA	AA	INTRON	101513769	Unknown function
SNP_42599B_196445	scaffold227	NW_004515763.1	196445	CC	TT	TT	INTRON	101513769	Unknown function
SNP_42600B_196469	scaffold227	NW_004515763.1	196469	TT	CC	CC	INTRON	101513769	Unknown function
SNP_42601B_196496	scaffold227	NW_004515763.1	196496	TT	CC	CC	INTRON	101513769	Unknown function
SNP_42602B_196583	scaffold227	NW_004515763.1	196583	GG	AA	AA	INTRON	101513769	Unknown function
SNP_42603B_197139	scaffold227	NW_004515763.1	197139	GG	AA	AA	INTRON	101513769	Unknown function
SNP_42604B_197296	scaffold227	NW_004515763.1	197296	GG	AA	AA	INTRON	101513769	Unknown function
SNP_42605B_197349	scaffold227	NW_004515763.1	197349	TT	CC	CC	INTRON	101513769	Unknown function
SNP_42606B_197397	scaffold227	NW_004515763.1	197397	TT	CC	CC	INTRON	101513769	Unknown function
SNP_42608B_197493	scaffold227	NW_004515763.1	197493	GG	AA	AA	INTRON	101513769	Unknown function
SNP_42609B_197506	scaffold227	NW_004515763.1	197506	CC	TT	TT	INTRON	101513769	Unknown function
SNP_42610B_197552	scaffold227	NW_004515763.1	197552	AA	TT	TT	INTRON	101513769	Unknown function
SNP_42611B_197575	scaffold227	NW_004515763.1	197575	CC	TT	TT	INTRON	101513769	Unknown function
SNP_42612B_197615	scaffold227	NW_004515763.1	197615	AA	CC	CC	INTRON	101513769	Unknown function
SNP_42613B_197630	scaffold227	NW_004515763.1	197630	AA	GG	GG	INTRON	101513769	Unknown function
SNP_42614B_197633	scaffold227	NW_004515763.1	197633	GG	AA	AA	INTRON	101513769	Unknown function
SNP_42615B_197727	scaffold227	NW_004515763.1	197727	CC	GG	GG	INTRON	101513769	Unknown function
SNP_42616B_197730	scaffold227	NW_004515763.1	197730	GG	TT	TT	INTRON	101513769	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42617B_197747	scaffold227	NW_004515763.1	197747	CC	TT	TT	INTRON	101513769	Unknown function
SNP_42618B_197792	scaffold227	NW_004515763.1	197792	TT	AA	AA	INTRON	101513769	Unknown function
SNP_42619B_197937	scaffold227	NW_004515763.1	197937	GG	CC	CC	INTRON	101513769	Unknown function
SNP_42620B_197954	scaffold227	NW_004515763.1	197954	AA	GG	GG	INTRON	101513769	Unknown function
SNP_42621B_197988	scaffold227	NW_004515763.1	197988	CC	AA	AA	INTRON	101513769	Unknown function
SNP_42622B_197989	scaffold227	NW_004515763.1	197989	AA	GG	GG	INTRON	101513769	Unknown function
SNP_42623B_197997	scaffold227	NW_004515763.1	197997	AA	CC	CC	INTRON	101513769	Unknown function
SNP_42624B_198003	scaffold227	NW_004515763.1	198003	GG	CC	CC	INTRON	101513769	Unknown function
SNP_42625B_198012	scaffold227	NW_004515763.1	198012	AA	CC	CC	INTRON	101513769	Unknown function
SNP_42626B_198046	scaffold227	NW_004515763.1	198046	TT	CC	CC	INTRON	101513769	Unknown function
SNP_42627B_198137	scaffold227	NW_004515763.1	198137	AA	GG	GG	INTRON	101513769	Unknown function
SNP_42628B_198148	scaffold227	NW_004515763.1	198148	GG	AA	AA	INTRON	101513769	Unknown function
SNP_42629B_198185	scaffold227	NW_004515763.1	198185	AA	CC	CC	INTRON	101513769	Unknown function
SNP_42630B_198192	scaffold227	NW_004515763.1	198192	GG	AA	AA	INTRON	101513769	Unknown function
SNP_42631B_207449	scaffold227	NW_004515763.1	207449	CC	TT	TT	INTRON	101513769	Unknown function
SNP_42632B_211220	scaffold227	NW_004515763.1	211220	CC	TT	TT	INTRON	101513769	Unknown function
SNP_42633B_315113	scaffold227	NW_004515763.1	315113	CC	TT	TT	STOP_GAINED	101514111	Unknown function
SNP_42634B_379614	scaffold227	NW_004515763.1	379614	CC	AA	AA	INTERGENIC		
SNP_42635B_9637	scaffold228	NW_004515764.1	9637	TT	GG	GG	INTERGENIC		
SNP_42636B_26046	scaffold228	NW_004515764.1	26046	GG	AA	AA	INTERGENIC		
SNP_42637B_64646	scaffold228	NW_004515764.1	64646	AA	GG	GG	INTERGENIC		
SNP_42638B_64716	scaffold228	NW_004515764.1	64716	CC	TT	TT	INTERGENIC		
SNP_42639B_64741	scaffold228	NW_004515764.1	64741	AA	GG	TT	INTERGENIC		
SNP_42640B_80106	scaffold228	NW_004515764.1	80106	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42641B_99535	scaffold228	NW_004515764.1	99535	CC	GG	GG	INTERGENIC		
SNP_42642B_99546	scaffold228	NW_004515764.1	99546	TT	CC	CC	INTERGENIC		
SNP_42643B_99579	scaffold228	NW_004515764.1	99579	GG	AA	AA	INTERGENIC		
SNP_42645B_109108	scaffold228	NW_004515764.1	109108	GG	TT	TT	INTERGENIC		
SNP_42646B_109454	scaffold228	NW_004515764.1	109454	TT	AA	AA	INTERGENIC		
SNP_42647B_117125	scaffold228	NW_004515764.1	117125	TT	CC	CC	INTERGENIC		
SNP_42648B_117411	scaffold228	NW_004515764.1	117411	TT	CC	CC	INTERGENIC		
SNP_42649B_117431	scaffold228	NW_004515764.1	117431	AA	GG	GG	INTERGENIC		
SNP_42650B_117653	scaffold228	NW_004515764.1	117653	TT	CC	CC	INTERGENIC		
SNP_42651B_117740	scaffold228	NW_004515764.1	117740	GG	AA	AA	INTERGENIC		
SNP_42652B_117755	scaffold228	NW_004515764.1	117755	TT	CC	CC	INTERGENIC		
SNP_42653B_117759	scaffold228	NW_004515764.1	117759	CC	TT	TT	INTERGENIC		
SNP_42654B_117853	scaffold228	NW_004515764.1	117853	TT	GG	GG	INTERGENIC		
SNP_42655B_117892	scaffold228	NW_004515764.1	117892	TT	CC	CC	INTERGENIC		
SNP_42656B_122102	scaffold228	NW_004515764.1	122102	TT	AA	AA	INTERGENIC		
SNP_42657B_122206	scaffold228	NW_004515764.1	122206	TT	CC	CC	INTERGENIC		
SNP_42658B_122232	scaffold228	NW_004515764.1	122232	CC	GG	GG	INTERGENIC		
SNP_42659B_122238	scaffold228	NW_004515764.1	122238	TT	GG	GG	INTERGENIC		
SNP_42660B_134736	scaffold228	NW_004515764.1	134736	AA	TT	TT	INTERGENIC		
SNP_42661B_134747	scaffold228	NW_004515764.1	134747	CC	TT	TT	INTERGENIC		
SNP_42662B_134758	scaffold228	NW_004515764.1	134758	TT	CC	CC	INTERGENIC		
SNP_42663B_134913	scaffold228	NW_004515764.1	134913	AA	GG	GG	INTERGENIC		
SNP_42665B_147575	scaffold228	NW_004515764.1	147575	CC	TT	TT	INTERGENIC		
SNP_42666B_148623	scaffold228	NW_004515764.1	148623	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42667B_149616	scaffold228	NW_004515764.1	149616	AA	CC	CC	INTERGENIC		
SNP_42668B_149927	scaffold228	NW_004515764.1	149927	TT	CC	CC	INTERGENIC		
SNP_42669B_155091	scaffold228	NW_004515764.1	155091	TT	CC	CC	INTERGENIC		
SNP_42670B_155720	scaffold228	NW_004515764.1	155720	CC	TT	TT	INTERGENIC		
SNP_42671B_155721	scaffold228	NW_004515764.1	155721	GG	AA	AA	INTERGENIC		
SNP_42672B_155774	scaffold228	NW_004515764.1	155774	TT	CC	CC	INTERGENIC		
SNP_42673B_158320	scaffold228	NW_004515764.1	158320	AA	GG	GG	INTERGENIC		
SNP_42674B_158370	scaffold228	NW_004515764.1	158370	AA	GG	GG	INTERGENIC		
SNP_42675B_158372	scaffold228	NW_004515764.1	158372	AA	CC	CC	INTERGENIC		
SNP_42676B_164733	scaffold228	NW_004515764.1	164733	AA	TT	TT	INTERGENIC		
SNP_42677B_164800	scaffold228	NW_004515764.1	164800	CC	TT	TT	INTERGENIC		
SNP_42678B_164801	scaffold228	NW_004515764.1	164801	CC	AA	AA	INTERGENIC		
SNP_42679B_164805	scaffold228	NW_004515764.1	164805	GG	AA	AA	INTERGENIC		
SNP_42680B_164891	scaffold228	NW_004515764.1	164891	CC	TT	TT	INTERGENIC		
SNP_42681B_164908	scaffold228	NW_004515764.1	164908	CC	TT	TT	INTERGENIC		
SNP_42682B_164910	scaffold228	NW_004515764.1	164910	AA	GG	GG	INTERGENIC		
SNP_42683B_164932	scaffold228	NW_004515764.1	164932	GG	TT	TT	INTERGENIC		
SNP_42684B_164936	scaffold228	NW_004515764.1	164936	AA	GG	GG	INTERGENIC		
SNP_42685B_165013	scaffold228	NW_004515764.1	165013	AA	GG	GG	INTERGENIC		
SNP_42686B_165049	scaffold228	NW_004515764.1	165049	AA	GG	GG	INTERGENIC		
SNP_42687B_165240	scaffold228	NW_004515764.1	165240	AA	GG	GG	INTERGENIC		
SNP_42688B_174503	scaffold228	NW_004515764.1	174503	AA	TT	TT	INTERGENIC		
SNP_42689B_174526	scaffold228	NW_004515764.1	174526	TT	AA	AA	INTERGENIC		
SNP_42690B_175266	scaffold228	NW_004515764.1	175266	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42691B_176157	scaffold228	NW_004515764.1	176157	CC	TT	TT	INTERGENIC		
SNP_42692B_176165	scaffold228	NW_004515764.1	176165	AA	CC	CC	INTERGENIC		
SNP_42693B_176412	scaffold228	NW_004515764.1	176412	CC	TT	TT	INTERGENIC		
SNP_42694B_177650	scaffold228	NW_004515764.1	177650	TT	CC	CC	INTERGENIC		
SNP_42695B_177819	scaffold228	NW_004515764.1	177819	AA	GG	GG	INTERGENIC		
SNP_42696B_177977	scaffold228	NW_004515764.1	177977	GG	AA	AA	INTERGENIC		
SNP_42697B_178008	scaffold228	NW_004515764.1	178008	CC	TT	TT	INTERGENIC		
SNP_42698B_178032	scaffold228	NW_004515764.1	178032	CC	AA	AA	INTERGENIC		
SNP_42699B_178072	scaffold228	NW_004515764.1	178072	GG	AA	AA	INTERGENIC		
SNP_42700B_178123	scaffold228	NW_004515764.1	178123	CC	TT	TT	INTERGENIC		
SNP_42701B_178147	scaffold228	NW_004515764.1	178147	GG	AA	AA	INTERGENIC		
SNP_42702B_179315	scaffold228	NW_004515764.1	179315	TT	CC	CC	INTERGENIC		
SNP_42703B_179320	scaffold228	NW_004515764.1	179320	AA	GG	GG	INTERGENIC		
SNP_42704B_179441	scaffold228	NW_004515764.1	179441	TT	CC	CC	INTERGENIC		
SNP_42705B_179503	scaffold228	NW_004515764.1	179503	TT	CC	CC	INTERGENIC		
SNP_42706B_179545	scaffold228	NW_004515764.1	179545	GG	CC	CC	INTERGENIC		
SNP_42707B_179636	scaffold228	NW_004515764.1	179636	TT	CC	CC	INTERGENIC		
SNP_42708B_179669	scaffold228	NW_004515764.1	179669	AA	TT	TT	INTERGENIC		
SNP_42709B_180110	scaffold228	NW_004515764.1	180110	TT	GG	GG	INTERGENIC		
SNP_42710B_180164	scaffold228	NW_004515764.1	180164	AA	GG	GG	INTERGENIC		
SNP_42711B_180786	scaffold228	NW_004515764.1	180786	TT	CC	CC	INTERGENIC		
SNP_42713B_184374	scaffold228	NW_004515764.1	184374	AA	GG	GG	INTERGENIC		
SNP_42714B_184391	scaffold228	NW_004515764.1	184391	AA	TT	TT	INTERGENIC		
SNP_42715B_185410	scaffold228	NW_004515764.1	185410	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42716B_185807	scaffold228	NW_004515764.1	185807	GG	CC	CC	INTERGENIC		
SNP_42717B_185822	scaffold228	NW_004515764.1	185822	CC	AA	AA	INTERGENIC		
SNP_42718B_186223	scaffold228	NW_004515764.1	186223	CC	TT	TT	INTERGENIC		
SNP_42719B_186254	scaffold228	NW_004515764.1	186254	GG	CC	CC	INTERGENIC		
SNP_42720B_186708	scaffold228	NW_004515764.1	186708	AA	CC	CC	INTERGENIC		
SNP_42721B_187077	scaffold228	NW_004515764.1	187077	AA	GG	GG	INTERGENIC		
SNP_42722B_187911	scaffold228	NW_004515764.1	187911	GG	AA	AA	INTERGENIC		
SNP_42723B_188400	scaffold228	NW_004515764.1	188400	GG	AA	AA	INTERGENIC		
SNP_42724B_188442	scaffold228	NW_004515764.1	188442	GG	AA	AA	INTERGENIC		
SNP_42725B_188553	scaffold228	NW_004515764.1	188553	CC	TT	TT	INTERGENIC		
SNP_42726B_188645	scaffold228	NW_004515764.1	188645	TT	GG	AA	INTERGENIC		
SNP_42727B_188740	scaffold228	NW_004515764.1	188740	GG	AA	AA	INTERGENIC		
SNP_42728B_188744	scaffold228	NW_004515764.1	188744	CC	GG	GG	INTERGENIC		
SNP_42729B_188746	scaffold228	NW_004515764.1	188746	AA	CC	CC	INTERGENIC		
SNP_42730B_188891	scaffold228	NW_004515764.1	188891	GG	AA	AA	INTERGENIC		
SNP_42731B_189159	scaffold228	NW_004515764.1	189159	GG	AA	AA	INTERGENIC		
SNP_42732B_189167	scaffold228	NW_004515764.1	189167	GG	CC	CC	INTERGENIC		
SNP_42733B_189372	scaffold228	NW_004515764.1	189372	TT	CC	CC	INTERGENIC		
SNP_42734B_16547	scaffold229	NW_004515765.1	16547	TT	CC	CC	INTERGENIC		
SNP_42735B_19885	scaffold229	NW_004515765.1	19885	GG	AA	AA	INTERGENIC		
SNP_42736B_30886	scaffold229	NW_004515765.1	30886	AA	GG	GG	INTERGENIC		
SNP_42737B_33781	scaffold229	NW_004515765.1	33781	AA	GG	GG	INTERGENIC		
SNP_42738B_37095	scaffold229	NW_004515765.1	37095	GG	CC	CC	INTERGENIC		
SNP_42739B_47435	scaffold229	NW_004515765.1	47435	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42740B_47482	scaffold229	NW_004515765.1	47482	GG	TT	TT	INTERGENIC		
SNP_42741B_53158	scaffold229	NW_004515765.1	53158	CC	TT	TT	INTERGENIC		
SNP_42742B_75572	scaffold229	NW_004515765.1	75572	AA	GG	GG	INTERGENIC		
SNP_42743B_75588	scaffold229	NW_004515765.1	75588	GG	AA	AA	INTERGENIC		
SNP_42744B_82015	scaffold229	NW_004515765.1	82015	AA	CC	CC	INTERGENIC		
SNP_42745B_82018	scaffold229	NW_004515765.1	82018	TT	CC	CC	INTERGENIC		
SNP_42746B_82356	scaffold229	NW_004515765.1	82356	AA	GG	GG	INTERGENIC		
SNP_42747B_82625	scaffold229	NW_004515765.1	82625	AA	CC	CC	INTERGENIC		
SNP_42748B_85147	scaffold229	NW_004515765.1	85147	AA	TT	TT	INTERGENIC		
SNP_42750B_97594	scaffold229	NW_004515765.1	97594	CC	TT	TT	INTERGENIC		
SNP_42751B_97729	scaffold229	NW_004515765.1	97729	GG	AA	AA	INTERGENIC		
SNP_42752B_97864	scaffold229	NW_004515765.1	97864	AA	CC	CC	INTERGENIC		
SNP_42753B_97876	scaffold229	NW_004515765.1	97876	GG	AA	AA	INTERGENIC		
SNP_42754B_102931	scaffold229	NW_004515765.1	102931	TT	CC	CC	INTERGENIC		
SNP_42755B_106378	scaffold229	NW_004515765.1	106378	AA	TT	TT	INTERGENIC		
SNP_42756B_106380	scaffold229	NW_004515765.1	106380	CC	AA	AA	INTERGENIC		
SNP_42757B_106381	scaffold229	NW_004515765.1	106381	GG	AA	AA	INTERGENIC		
SNP_42758B_106392	scaffold229	NW_004515765.1	106392	GG	AA	AA	INTERGENIC		
SNP_42759B_114183	scaffold229	NW_004515765.1	114183	TT	CC	CC	INTERGENIC		
SNP_42760B_114636	scaffold229	NW_004515765.1	114636	CC	GG	GG	INTERGENIC		
SNP_42761B_114638	scaffold229	NW_004515765.1	114638	GG	CC	CC	INTERGENIC		
SNP_42762B_114645	scaffold229	NW_004515765.1	114645	TT	GG	GG	INTERGENIC		
SNP_42763B_156642	scaffold229	NW_004515765.1	156642	CC	AA	AA	INTERGENIC		
SNP_42764B_157874	scaffold229	NW_004515765.1	157874	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42765B_10331	scaffold231	NW_004515766.1	10331	CC	GG	GG	INTERGENIC		
SNP_42766B_10428	scaffold231	NW_004515766.1	10428	TT	AA	AA	INTERGENIC		
SNP_42767B_10441	scaffold231	NW_004515766.1	10441	TT	CC	CC	INTERGENIC		
SNP_42768B_10442	scaffold231	NW_004515766.1	10442	GG	AA	AA	INTERGENIC		
SNP_42770B_23900	scaffold231	NW_004515766.1	23900	CC	TT	TT	INTERGENIC		
SNP_42771B_26807	scaffold235	NW_004515769.1	26807	TT	CC	CC	INTERGENIC		
SNP_42772B_41785	scaffold235	NW_004515769.1	41785	TT	AA	AA	INTERGENIC		
SNP_42774B_41803	scaffold235	NW_004515769.1	41803	GG	TT	TT	INTERGENIC		
SNP_42775B_42146	scaffold235	NW_004515769.1	42146	CC	AA	AA	INTERGENIC		
SNP_42776B_47067	scaffold235	NW_004515769.1	47067	AA	CC	CC	INTERGENIC		
SNP_42777B_47146	scaffold235	NW_004515769.1	47146	AA	GG	GG	INTERGENIC		
SNP_42778B_47181	scaffold235	NW_004515769.1	47181	AA	TT	TT	INTERGENIC		
SNP_42779B_47329	scaffold235	NW_004515769.1	47329	AA	TT	TT	INTERGENIC		
SNP_42780B_48003	scaffold235	NW_004515769.1	48003	CC	TT	TT	INTERGENIC		
SNP_42781B_48296	scaffold235	NW_004515769.1	48296	TT	AA	AA	INTERGENIC		
SNP_42782B_48321	scaffold235	NW_004515769.1	48321	TT	AA	AA	INTERGENIC		
SNP_42783B_60207	scaffold235	NW_004515769.1	60207	TT	CC	CC	INTERGENIC		
SNP_42784B_101181	scaffold235	NW_004515769.1	101181	GG	AA	AA	INTERGENIC		
SNP_42785B_101259	scaffold235	NW_004515769.1	101259	GG	AA	AA	INTERGENIC		
SNP_42787B_146265	scaffold235	NW_004515769.1	146265	GG	AA	AA	INTERGENIC		
SNP_42788B_146314	scaffold235	NW_004515769.1	146314	CC	TT	TT	INTERGENIC		
SNP_42789B_205257	scaffold235	NW_004515769.1	205257	GG	AA	AA	INTERGENIC		
SNP_42790B_205288	scaffold235	NW_004515769.1	205288	AA	GG	GG	INTERGENIC		
SNP_42791B_205328	scaffold235	NW_004515769.1	205328	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42792B_205335	scaffold235	NW_004515769.1	205335	GG	AA	AA	INTERGENIC		
SNP_42793B_205384	scaffold235	NW_004515769.1	205384	AA	CC	CC	INTERGENIC		
SNP_42794B_205388	scaffold235	NW_004515769.1	205388	TT	CC	CC	INTERGENIC		
SNP_42795B_205413	scaffold235	NW_004515769.1	205413	GG	AA	AA	INTERGENIC		
SNP_42796B_205430	scaffold235	NW_004515769.1	205430	GG	TT	TT	INTERGENIC		
SNP_42797B_205435	scaffold235	NW_004515769.1	205435	GG	CC	CC	INTERGENIC		
SNP_42798B_205514	scaffold235	NW_004515769.1	205514	CC	TT	TT	INTERGENIC		
SNP_42799B_205535	scaffold235	NW_004515769.1	205535	TT	CC	CC	INTERGENIC		
SNP_42800B_205554	scaffold235	NW_004515769.1	205554	TT	CC	CC	INTERGENIC		
SNP_42801B_205604	scaffold235	NW_004515769.1	205604	TT	GG	GG	INTERGENIC		
SNP_42802B_232261	scaffold235	NW_004515769.1	232261	AA	TT	TT	INTERGENIC		
SNP_42803B_2585	scaffold236	NW_004515770.1	2585	TT	AA	AA	INTRON	101515634	uncharacterized LOC101515634
SNP_42804B_5195	scaffold236	NW_004515770.1	5195	TT	GG	GG	INTERGENIC		
SNP_42805B_5285	scaffold236	NW_004515770.1	5285	AA	GG	GG	INTERGENIC		
SNP_42806B_5365	scaffold236	NW_004515770.1	5365	TT	AA	AA	INTERGENIC		
SNP_42807B_5775	scaffold236	NW_004515770.1	5775	AA	TT	TT	INTERGENIC		
SNP_42808B_17123	scaffold236	NW_004515770.1	17123	CC	GG	GG	INTERGENIC		
SNP_42809B_17127	scaffold236	NW_004515770.1	17127	AA	GG	GG	INTERGENIC		
SNP_42810B_17333	scaffold236	NW_004515770.1	17333	CC	AA	AA	INTERGENIC		
SNP_42811B_22968	scaffold236	NW_004515770.1	22968	CC	TT	TT	INTRON	101488388	Unknown function
SNP_42812B_23041	scaffold236	NW_004515770.1	23041	TT	CC	CC	INTRON	101488388	Unknown function
SNP_42813B_23166	scaffold236	NW_004515770.1	23166	TT	CC	CC	INTRON	101488388	Unknown function
SNP_42814B_23375	scaffold236	NW_004515770.1	23375	TT	CC	CC	NON_SYNONYMOUS_CODING	101488388	Unknown function
SNP_42815B_23468	scaffold236	NW_004515770.1	23468	AA	TT	TT	NON_SYNONYMOUS_CODING	101488388	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42816B_23512	scaffold236	NW_004515770.1	23512	CC	AA	AA	INTRON	101488388	Unknown function
SNP_42817B_23533	scaffold236	NW_004515770.1	23533	TT	AA	AA	INTRON	101488388	Unknown function
SNP_42818B_23561	scaffold236	NW_004515770.1	23561	AA	GG	GG	INTRON	101488388	Unknown function
SNP_42819B_23753	scaffold236	NW_004515770.1	23753	AA	TT	TT	INTRON	101488388	Unknown function
SNP_42820B_23755	scaffold236	NW_004515770.1	23755	AA	GG	GG	INTRON	101488388	Unknown function
SNP_42821B_23769	scaffold236	NW_004515770.1	23769	CC	TT	TT	INTRON	101488388	Unknown function
SNP_42822B_23789	scaffold236	NW_004515770.1	23789	CC	GG	GG	NON_SYNONYMOUS_CODING	101488388	Unknown function
SNP_42823B_23943	scaffold236	NW_004515770.1	23943	CC	TT	TT	SYNONYMOUS_CODING	101488388	Unknown function
SNP_42824B_23964	scaffold236	NW_004515770.1	23964	TT	CC	CC	NON_SYNONYMOUS_CODING	101488388	Unknown function
SNP_42825B_23971	scaffold236	NW_004515770.1	23971	CC	TT	TT	NON_SYNONYMOUS_CODING	101488388	Unknown function
SNP_42827B_25387	scaffold236	NW_004515770.1	25387	GG	AA	AA	URR	101488388	Unknown function
SNP_42828B_25477	scaffold236	NW_004515770.1	25477	AA	GG	GG	URR	101488388	Unknown function
SNP_42829B_25588	scaffold236	NW_004515770.1	25588	AA	GG	GG	URR	101488388	Unknown function
SNP_42830B_25613	scaffold236	NW_004515770.1	25613	GG	AA	AA	URR	101488388	Unknown function
SNP_42831B_25617	scaffold236	NW_004515770.1	25617	AA	TT	TT	URR	101488388	Unknown function
SNP_42832B_25688	scaffold236	NW_004515770.1	25688	CC	AA	AA	URR	101488388	Unknown function
SNP_42833B_25872	scaffold236	NW_004515770.1	25872	TT	CC	CC	URR	101488388	Unknown function
SNP_42834B_25889	scaffold236	NW_004515770.1	25889	GG	TT	TT	URR	101488388	Unknown function
SNP_42835B_26040	scaffold236	NW_004515770.1	26040	CC	TT	TT	URR	101488388	Unknown function
SNP_42836B_26718	scaffold236	NW_004515770.1	26718	CC	TT	TT	INTERGENIC		
SNP_42837B_26863	scaffold236	NW_004515770.1	26863	AA	CC	CC	INTERGENIC		
SNP_42838B_26947	scaffold236	NW_004515770.1	26947	AA	GG	GG	INTERGENIC		
SNP_42839B_26954	scaffold236	NW_004515770.1	26954	AA	CC	CC	INTERGENIC		
SNP_42840B_27495	scaffold236	NW_004515770.1	27495	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42841B_27850	scaffold236	NW_004515770.1	27850	GG	AA	AA	INTERGENIC		
SNP_42842B_28804	scaffold236	NW_004515770.1	28804	GG	TT	TT	INTERGENIC		
SNP_42843B_29072	scaffold236	NW_004515770.1	29072	TT	AA	AA	INTERGENIC		
SNP_42844B_29100	scaffold236	NW_004515770.1	29100	GG	AA	AA	INTERGENIC		
SNP_42845B_29128	scaffold236	NW_004515770.1	29128	CC	AA	AA	INTERGENIC		
SNP_42846B_29131	scaffold236	NW_004515770.1	29131	CC	TT	TT	INTERGENIC		
SNP_42847B_29178	scaffold236	NW_004515770.1	29178	TT	AA	AA	INTERGENIC		
SNP_42848B_29243	scaffold236	NW_004515770.1	29243	TT	CC	CC	INTERGENIC		
SNP_42849B_29525	scaffold236	NW_004515770.1	29525	AA	CC	CC	INTERGENIC		
SNP_42850B_29795	scaffold236	NW_004515770.1	29795	CC	TT	TT	INTERGENIC		
SNP_42851B_29836	scaffold236	NW_004515770.1	29836	GG	TT	TT	INTERGENIC		
SNP_42852B_29865	scaffold236	NW_004515770.1	29865	AA	TT	TT	INTERGENIC		
SNP_42853B_30822	scaffold236	NW_004515770.1	30822	CC	AA	AA	INTERGENIC		
SNP_42855B_42201	scaffold236	NW_004515770.1	42201	GG	TT	TT	INTERGENIC		
SNP_42856B_43130	scaffold236	NW_004515770.1	43130	CC	TT	TT	INTERGENIC		
SNP_42857B_43261	scaffold236	NW_004515770.1	43261	GG	AA	AA	INTERGENIC		
SNP_42858B_44905	scaffold236	NW_004515770.1	44905	GG	AA	AA	INTERGENIC		
SNP_42859B_44906	scaffold236	NW_004515770.1	44906	TT	AA	AA	INTERGENIC		
SNP_42860B_45300	scaffold236	NW_004515770.1	45300	GG	CC	CC	INTERGENIC		
SNP_42861B_45597	scaffold236	NW_004515770.1	45597	GG	TT	TT	INTERGENIC		
SNP_42862B_45746	scaffold236	NW_004515770.1	45746	AA	GG	GG	INTERGENIC		
SNP_42863B_51480	scaffold236	NW_004515770.1	51480	TT	GG	GG	INTERGENIC		
SNP_42864B_51701	scaffold236	NW_004515770.1	51701	AA	TT	TT	INTERGENIC		
SNP_42865B_52077	scaffold236	NW_004515770.1	52077	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42866B_52440	scaffold236	NW_004515770.1	52440	CC	TT	TT	INTERGENIC		
SNP_42867B_52519	scaffold236	NW_004515770.1	52519	CC	GG	GG	INTERGENIC		
SNP_42868B_58577	scaffold236	NW_004515770.1	58577	GG	AA	AA	INTERGENIC		
SNP_42869B_59205	scaffold236	NW_004515770.1	59205	TT	CC	CC	INTERGENIC		
SNP_42870B_59223	scaffold236	NW_004515770.1	59223	GG	CC	CC	INTERGENIC		
SNP_42871B_59252	scaffold236	NW_004515770.1	59252	TT	AA	AA	INTERGENIC		
SNP_42872B_59636	scaffold236	NW_004515770.1	59636	CC	GG	GG	INTERGENIC		
SNP_42873B_59731	scaffold236	NW_004515770.1	59731	AA	GG	GG	INTERGENIC		
SNP_42874B_64301	scaffold236	NW_004515770.1	64301	GG	AA	AA	NON_SYNONYMOUS_CODING	101488714	Unknown function
SNP_42875B_64468	scaffold236	NW_004515770.1	64468	CC	TT	TT	SYNONYMOUS_CODING	101488714	Unknown function
SNP_42876B_64503	scaffold236	NW_004515770.1	64503	CC	TT	TT	NON_SYNONYMOUS_CODING	101488714	Unknown function
SNP_42877B_64506	scaffold236	NW_004515770.1	64506	AA	GG	GG	NON_SYNONYMOUS_CODING	101488714	Unknown function
SNP_42878B_57864	scaffold237	NW_004515771.1	57864	GG	AA	AA	INTERGENIC		
SNP_42879B_58051	scaffold237	NW_004515771.1	58051	CC	GG	GG	INTERGENIC		
SNP_42880B_58105	scaffold237	NW_004515771.1	58105	TT	CC	CC	INTERGENIC		
SNP_42881B_61745	scaffold237	NW_004515771.1	61745	AA	CC	CC	INTERGENIC		
SNP_42882B_70746	scaffold237	NW_004515771.1	70746	AA	TT	TT	INTERGENIC		
SNP_42883B_70750	scaffold237	NW_004515771.1	70750	CC	TT	TT	INTERGENIC		
SNP_42884B_70853	scaffold237	NW_004515771.1	70853	TT	AA	AA	INTERGENIC		
SNP_42885B_71142	scaffold237	NW_004515771.1	71142	CC	AA	AA	INTERGENIC		
SNP_42886B_71585	scaffold237	NW_004515771.1	71585	TT	GG	GG	INTERGENIC		
SNP_42887B_71730	scaffold237	NW_004515771.1	71730	TT	AA	AA	INTERGENIC		
SNP_42888B_71751	scaffold237	NW_004515771.1	71751	TT	CC	CC	INTERGENIC		
SNP_42889B_688	scaffold238	NW_004515772.1	688	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42890B_731	scaffold238	NW_004515772.1	731	CC	TT	TT	INTERGENIC		
SNP_42891B_928	scaffold238	NW_004515772.1	928	TT	AA	AA	INTERGENIC		
SNP_42892B_1092	scaffold238	NW_004515772.1	1092	GG	AA	AA	INTERGENIC		
SNP_42893B_1102	scaffold238	NW_004515772.1	1102	TT	GG	GG	INTERGENIC		
SNP_42894B_1111	scaffold238	NW_004515772.1	1111	AA	GG	GG	INTERGENIC		
SNP_42895B_1155	scaffold238	NW_004515772.1	1155	TT	CC	CC	INTERGENIC		
SNP_42896B_1169	scaffold238	NW_004515772.1	1169	TT	CC	CC	INTERGENIC		
SNP_42897B_1259	scaffold238	NW_004515772.1	1259	TT	AA	AA	INTERGENIC		
SNP_42898B_1291	scaffold238	NW_004515772.1	1291	AA	CC	CC	INTERGENIC		
SNP_42899B_1342	scaffold238	NW_004515772.1	1342	CC	TT	TT	INTERGENIC		
SNP_42900B_1430	scaffold238	NW_004515772.1	1430	GG	CC	CC	INTERGENIC		
SNP_42901B_2072	scaffold238	NW_004515772.1	2072	GG	AA	AA	INTERGENIC		
SNP_42902B_2294	scaffold238	NW_004515772.1	2294	AA	TT	TT	INTERGENIC		
SNP_42903B_4408	scaffold238	NW_004515772.1	4408	CC	TT	TT	INTERGENIC		
SNP_42904B_4443	scaffold238	NW_004515772.1	4443	AA	TT	TT	INTERGENIC		
SNP_42905B_19191	scaffold238	NW_004515772.1	19191	TT	AA	AA	INTERGENIC		
SNP_42906B_20604	scaffold238	NW_004515772.1	20604	AA	TT	TT	INTERGENIC		
SNP_42907B_20672	scaffold238	NW_004515772.1	20672	GG	AA	AA	INTERGENIC		
SNP_42908B_20675	scaffold238	NW_004515772.1	20675	AA	CC	CC	INTERGENIC		
SNP_42909B_23823	scaffold238	NW_004515772.1	23823	AA	TT	TT	INTERGENIC		
SNP_42910B_23964	scaffold238	NW_004515772.1	23964	CC	TT	TT	INTERGENIC		
SNP_42911B_24308	scaffold238	NW_004515772.1	24308	AA	TT	TT	INTERGENIC		
SNP_42912B_27371	scaffold238	NW_004515772.1	27371	CC	AA	AA	INTERGENIC		
SNP_42913B_27692	scaffold238	NW_004515772.1	27692	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42914B_27705	scaffold238	NW_004515772.1	27705	TT	CC	CC	INTERGENIC		
SNP_42915B_15254	scaffold239	NW_004515773.1	15254	GG	AA	AA	INTERGENIC		
SNP_42916B_15255	scaffold239	NW_004515773.1	15255	GG	AA	AA	INTERGENIC		
SNP_42917B_49915	scaffold239	NW_004515773.1	49915	CC	TT	TT	INTERGENIC		
SNP_42918B_49921	scaffold239	NW_004515773.1	49921	AA	TT	TT	INTERGENIC		
SNP_42919B_49923	scaffold239	NW_004515773.1	49923	AA	TT	TT	INTERGENIC		
SNP_42920B_49950	scaffold239	NW_004515773.1	49950	AA	GG	GG	INTERGENIC		
SNP_42921B_50057	scaffold239	NW_004515773.1	50057	GG	AA	AA	INTERGENIC		
SNP_42922B_50141	scaffold239	NW_004515773.1	50141	TT	CC	CC	INTERGENIC		
SNP_42923B_50183	scaffold239	NW_004515773.1	50183	AA	TT	TT	INTERGENIC		
SNP_42924B_50184	scaffold239	NW_004515773.1	50184	AA	GG	GG	INTERGENIC		
SNP_42925B_50210	scaffold239	NW_004515773.1	50210	AA	CC	CC	INTERGENIC		
SNP_42926B_50213	scaffold239	NW_004515773.1	50213	TT	AA	AA	INTERGENIC		
SNP_42927B_50221	scaffold239	NW_004515773.1	50221	GG	AA	AA	INTERGENIC		
SNP_42929B_50232	scaffold239	NW_004515773.1	50232	GG	AA	AA	INTERGENIC		
SNP_42930B_50249	scaffold239	NW_004515773.1	50249	AA	CC	CC	INTERGENIC		
SNP_42931B_50581	scaffold239	NW_004515773.1	50581	GG	AA	AA	INTERGENIC		
SNP_42932B_50588	scaffold239	NW_004515773.1	50588	AA	GG	GG	INTERGENIC		
SNP_42933B_54139	scaffold239	NW_004515773.1	54139	CC	TT	TT	INTERGENIC		
SNP_42934B_54148	scaffold239	NW_004515773.1	54148	TT	AA	AA	INTERGENIC		
SNP_42935B_54407	scaffold239	NW_004515773.1	54407	AA	GG	GG	INTERGENIC		
SNP_42936B_54418	scaffold239	NW_004515773.1	54418	GG	AA	AA	INTERGENIC		
SNP_42937B_56891	scaffold239	NW_004515773.1	56891	AA	CC	CC	INTERGENIC		
SNP_42938B_61522	scaffold239	NW_004515773.1	61522	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42939B_61523	scaffold239	NW_004515773.1	61523	CC	AA	AA	INTERGENIC		
SNP_42942B_64861	scaffold239	NW_004515773.1	64861	GG	TT	TT	INTERGENIC		
SNP_42943B_64978	scaffold239	NW_004515773.1	64978	CC	AA	AA	INTERGENIC		
SNP_42944B_80998	scaffold239	NW_004515773.1	80998	GG	CC	CC	INTERGENIC		
SNP_42945B_83787	scaffold239	NW_004515773.1	83787	TT	CC	CC	INTERGENIC		
SNP_42946B_85004	scaffold239	NW_004515773.1	85004	AA	GG	GG	INTERGENIC		
SNP_42947B_89375	scaffold239	NW_004515773.1	89375	GG	TT	TT	INTERGENIC		
SNP_42948B_89387	scaffold239	NW_004515773.1	89387	CC	AA	AA	INTERGENIC		
SNP_42949B_89475	scaffold239	NW_004515773.1	89475	AA	GG	GG	INTERGENIC		
SNP_42950B_89477	scaffold239	NW_004515773.1	89477	GG	CC	CC	INTERGENIC		
SNP_42951B_89484	scaffold239	NW_004515773.1	89484	AA	GG	GG	INTERGENIC		
SNP_42952B_89653	scaffold239	NW_004515773.1	89653	GG	AA	AA	INTERGENIC		
SNP_42953B_89667	scaffold239	NW_004515773.1	89667	TT	CC	CC	INTERGENIC		
SNP_42954B_89681	scaffold239	NW_004515773.1	89681	AA	TT	TT	INTERGENIC		
SNP_42955B_89801	scaffold239	NW_004515773.1	89801	GG	AA	AA	INTERGENIC		
SNP_42956B_89802	scaffold239	NW_004515773.1	89802	GG	AA	AA	INTERGENIC		
SNP_42957B_89892	scaffold239	NW_004515773.1	89892	AA	TT	TT	INTERGENIC		
SNP_42958B_89893	scaffold239	NW_004515773.1	89893	GG	TT	TT	INTERGENIC		
SNP_42959B_89900	scaffold239	NW_004515773.1	89900	TT	AA	AA	INTERGENIC		
SNP_42960B_89948	scaffold239	NW_004515773.1	89948	TT	GG	GG	INTERGENIC		
SNP_42961B_89991	scaffold239	NW_004515773.1	89991	TT	AA	AA	INTERGENIC		
SNP_42962B_90011	scaffold239	NW_004515773.1	90011	CC	AA	AA	INTERGENIC		
SNP_42963B_90023	scaffold239	NW_004515773.1	90023	CC	TT	TT	INTERGENIC		
SNP_42964B_90065	scaffold239	NW_004515773.1	90065	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42965B_90070	scaffold239	NW_004515773.1	90070	CC	TT	TT	INTERGENIC		
SNP_42966B_96778	scaffold239	NW_004515773.1	96778	GG	TT	TT	INTERGENIC		
SNP_42967B_96793	scaffold239	NW_004515773.1	96793	AA	TT	TT	INTERGENIC		
SNP_42968B_97093	scaffold239	NW_004515773.1	97093	AA	GG	GG	INTERGENIC		
SNP_42969B_97493	scaffold239	NW_004515773.1	97493	GG	TT	TT	INTERGENIC		
SNP_42970B_97504	scaffold239	NW_004515773.1	97504	CC	GG	GG	INTERGENIC		
SNP_42971B_97574	scaffold239	NW_004515773.1	97574	CC	TT	TT	INTERGENIC		
SNP_42972B_97611	scaffold239	NW_004515773.1	97611	TT	CC	CC	INTERGENIC		
SNP_42973B_97622	scaffold239	NW_004515773.1	97622	TT	GG	GG	INTERGENIC		
SNP_42974B_97631	scaffold239	NW_004515773.1	97631	AA	CC	CC	INTERGENIC		
SNP_42975B_97638	scaffold239	NW_004515773.1	97638	CC	TT	TT	INTERGENIC		
SNP_42976B_97641	scaffold239	NW_004515773.1	97641	CC	GG	GG	INTERGENIC		
SNP_42977B_97676	scaffold239	NW_004515773.1	97676	TT	CC	CC	INTERGENIC		
SNP_42978B_97712	scaffold239	NW_004515773.1	97712	AA	CC	CC	INTERGENIC		
SNP_42979B_97748	scaffold239	NW_004515773.1	97748	CC	TT	TT	INTERGENIC		
SNP_42980B_97799	scaffold239	NW_004515773.1	97799	GG	TT	TT	INTERGENIC		
SNP_42981B_97962	scaffold239	NW_004515773.1	97962	TT	CC	CC	INTERGENIC		
SNP_42982B_97978	scaffold239	NW_004515773.1	97978	CC	TT	TT	INTERGENIC		
SNP_42983B_98019	scaffold239	NW_004515773.1	98019	TT	AA	AA	INTERGENIC		
SNP_42984B_98034	scaffold239	NW_004515773.1	98034	CC	GG	GG	INTERGENIC		
SNP_42985B_98044	scaffold239	NW_004515773.1	98044	GG	TT	TT	INTERGENIC		
SNP_42986B_98061	scaffold239	NW_004515773.1	98061	TT	AA	AA	INTERGENIC		
SNP_42987B_98087	scaffold239	NW_004515773.1	98087	TT	CC	CC	INTERGENIC		
SNP_42988B_98104	scaffold239	NW_004515773.1	98104	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_42989B_98121	scaffold239	NW_004515773.1	98121	GG	AA	AA	INTERGENIC		
SNP_42990B_98313	scaffold239	NW_004515773.1	98313	CC	TT	TT	INTERGENIC		
SNP_42991B_98339	scaffold239	NW_004515773.1	98339	TT	CC	CC	INTERGENIC		
SNP_42992B_98363	scaffold239	NW_004515773.1	98363	GG	TT	TT	INTERGENIC		
SNP_42993B_98371	scaffold239	NW_004515773.1	98371	TT	GG	GG	INTERGENIC		
SNP_42994B_98372	scaffold239	NW_004515773.1	98372	TT	CC	CC	INTERGENIC		
SNP_42995B_98434	scaffold239	NW_004515773.1	98434	GG	TT	TT	INTERGENIC		
SNP_42996B_108470	scaffold239	NW_004515773.1	108470	TT	CC	CC	INTERGENIC		
SNP_42997B_109035	scaffold239	NW_004515773.1	109035	TT	AA	AA	INTERGENIC		
SNP_43000B_109370	scaffold239	NW_004515773.1	109370	AA	GG	GG	INTERGENIC		
SNP_43001B_109888	scaffold239	NW_004515773.1	109888	GG	TT	TT	INTERGENIC		
SNP_43002B_109954	scaffold239	NW_004515773.1	109954	CC	TT	TT	INTERGENIC		
SNP_43003B_110004	scaffold239	NW_004515773.1	110004	CC	TT	TT	INTERGENIC		
SNP_43004B_4629	scaffold240	NW_004515774.1	4629	CC	TT	TT	INTERGENIC		
SNP_43005B_4645	scaffold240	NW_004515774.1	4645	CC	TT	TT	INTERGENIC		
SNP_43007B_73014	scaffold240	NW_004515774.1	73014	TT	GG	GG	INTERGENIC		
SNP_43008B_73019	scaffold240	NW_004515774.1	73019	GG	AA	AA	INTERGENIC		
SNP_43009B_73052	scaffold240	NW_004515774.1	73052	CC	TT	TT	INTERGENIC		
SNP_43010B_73056	scaffold240	NW_004515774.1	73056	TT	AA	AA	INTERGENIC		
SNP_43011B_73069	scaffold240	NW_004515774.1	73069	TT	AA	AA	INTERGENIC		
SNP_43012B_73119	scaffold240	NW_004515774.1	73119	AA	GG	GG	INTERGENIC		
SNP_43014B_73464	scaffold240	NW_004515774.1	73464	GG	AA	AA	INTERGENIC		
SNP_43015B_73525	scaffold240	NW_004515774.1	73525	AA	CC	CC	INTERGENIC		
SNP_43016B_73530	scaffold240	NW_004515774.1	73530	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43017B_100966	scaffold240	NW_004515774.1	100966	GG	CC	CC	INTERGENIC		
SNP_43018B_139332	scaffold240	NW_004515774.1	139332	AA	GG	GG	DRR	101491008	uncharacterized LOC101491008
SNP_43019B_142277	scaffold240	NW_004515774.1	142277	TT	CC	CC	URR	101491008	uncharacterized LOC101491008
SNP_43020B_142302	scaffold240	NW_004515774.1	142302	TT	AA	AA	URR	101491008	uncharacterized LOC101491008
SNP_43021B_142325	scaffold240	NW_004515774.1	142325	AA	TT	TT	URR	101491008	uncharacterized LOC101491008
SNP_43022B_142329	scaffold240	NW_004515774.1	142329	CC	AA	AA	URR	101491008	uncharacterized LOC101491008
SNP_43023B_142344	scaffold240	NW_004515774.1	142344	TT	GG	GG	URR	101491008	uncharacterized LOC101491008
SNP_43024B_142774	scaffold240	NW_004515774.1	142774	CC	TT	TT	URR	101491008	uncharacterized LOC101491008
SNP_43025B_142776	scaffold240	NW_004515774.1	142776	TT	CC	CC	URR	101491008	uncharacterized LOC101491008
SNP_43026B_142791	scaffold240	NW_004515774.1	142791	CC	TT	TT	URR	101491008	uncharacterized LOC101491008
SNP_43027B_142917	scaffold240	NW_004515774.1	142917	TT	GG	GG	URR	101491008	uncharacterized LOC101491008
SNP_43028B_142920	scaffold240	NW_004515774.1	142920	TT	CC	CC	URR	101491008	uncharacterized LOC101491008
SNP_43029B_142921	scaffold240	NW_004515774.1	142921	GG	AA	AA	URR	101491008	uncharacterized LOC101491008
SNP_43030B_142922	scaffold240	NW_004515774.1	142922	AA	CC	CC	URR	101491008	uncharacterized LOC101491008
SNP_43031B_142944	scaffold240	NW_004515774.1	142944	TT	CC	CC	URR	101491008	uncharacterized LOC101491008
SNP_43032B_143754	scaffold240	NW_004515774.1	143754	TT	AA	AA	INTERGENIC		
SNP_43033B_143768	scaffold240	NW_004515774.1	143768	CC	AA	AA	INTERGENIC		
SNP_43034B_145027	scaffold240	NW_004515774.1	145027	CC	TT	TT	INTERGENIC		
SNP_43035B_145182	scaffold240	NW_004515774.1	145182	CC	TT	TT	URR	101491322	Unknown function
SNP_43036B_145185	scaffold240	NW_004515774.1	145185	TT	GG	GG	URR	101491322	Unknown function
SNP_43037B_147268	scaffold240	NW_004515774.1	147268	AA	GG	GG	INTERGENIC		
SNP_43039B_149727	scaffold240	NW_004515774.1	149727	CC	TT	TT	INTERGENIC		
SNP_43041B_150309	scaffold240	NW_004515774.1	150309	AA	GG	GG	INTERGENIC		
SNP_43043B_151401	scaffold240	NW_004515774.1	151401	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43044B_151905	scaffold240	NW_004515774.1	151905	GG	AA	AA	INTERGENIC		
SNP_43045B_153962	scaffold240	NW_004515774.1	153962	TT	CC	CC	INTERGENIC		
SNP_43046B_155587	scaffold240	NW_004515774.1	155587	CC	TT	TT	INTERGENIC		
SNP_43048B_2817	scaffold242	NW_004515775.1	2817	CC	TT	TT	INTERGENIC		
SNP_43049B_8474	scaffold242	NW_004515775.1	8474	AA	CC	CC	INTERGENIC		
SNP_43050B_9073	scaffold242	NW_004515775.1	9073	TT	CC	CC	INTERGENIC		
SNP_43051B_9302	scaffold242	NW_004515775.1	9302	AA	CC	CC	INTERGENIC		
SNP_43052B_10782	scaffold242	NW_004515775.1	10782	TT	AA	AA	INTERGENIC		
SNP_43053B_19779	scaffold242	NW_004515775.1	19779	AA	TT	TT	INTERGENIC		
SNP_43054B_42110	scaffold242	NW_004515775.1	42110	GG	AA	AA	INTERGENIC		
SNP_43055B_42896	scaffold242	NW_004515775.1	42896	CC	AA	AA	INTERGENIC		
SNP_43056B_44671	scaffold242	NW_004515775.1	44671	CC	GG	GG	INTERGENIC		
SNP_43058B_44837	scaffold242	NW_004515775.1	44837	TT	GG	GG	INTERGENIC		
SNP_43059B_44839	scaffold242	NW_004515775.1	44839	CC	AA	AA	INTERGENIC		
SNP_43060B_44853	scaffold242	NW_004515775.1	44853	CC	AA	AA	INTERGENIC		
SNP_43061B_45094	scaffold242	NW_004515775.1	45094	TT	CC	CC	INTERGENIC		
SNP_43062B_45227	scaffold242	NW_004515775.1	45227	TT	GG	GG	INTERGENIC		
SNP_43063B_45228	scaffold242	NW_004515775.1	45228	AA	GG	GG	INTERGENIC		
SNP_43064B_45243	scaffold242	NW_004515775.1	45243	AA	GG	GG	INTERGENIC		
SNP_43065B_45294	scaffold242	NW_004515775.1	45294	AA	GG	GG	INTERGENIC		
SNP_43066B_45366	scaffold242	NW_004515775.1	45366	TT	CC	CC	INTERGENIC		
SNP_43067B_45468	scaffold242	NW_004515775.1	45468	TT	AA	AA	INTERGENIC		
SNP_43068B_45475	scaffold242	NW_004515775.1	45475	AA	GG	GG	INTERGENIC		
SNP_43069B_45483	scaffold242	NW_004515775.1	45483	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43070B_45485	scaffold242	NW_004515775.1	45485	GG	TT	TT	INTERGENIC		
SNP_43071B_45516	scaffold242	NW_004515775.1	45516	CC	TT	TT	INTERGENIC		
SNP_43072B_49412	scaffold242	NW_004515775.1	49412	GG	AA	AA	INTERGENIC		
SNP_43073B_50294	scaffold242	NW_004515775.1	50294	TT	CC	CC	INTERGENIC		
SNP_43074B_50301	scaffold242	NW_004515775.1	50301	CC	AA	AA	INTERGENIC		
SNP_43075B_50335	scaffold242	NW_004515775.1	50335	AA	GG	GG	INTERGENIC		
SNP_43076B_50356	scaffold242	NW_004515775.1	50356	GG	AA	AA	INTERGENIC		
SNP_43077B_50365	scaffold242	NW_004515775.1	50365	CC	GG	GG	INTERGENIC		
SNP_43078B_50421	scaffold242	NW_004515775.1	50421	AA	GG	GG	INTERGENIC		
SNP_43079B_50426	scaffold242	NW_004515775.1	50426	TT	CC	CC	INTERGENIC		
SNP_43080B_50644	scaffold242	NW_004515775.1	50644	AA	GG	GG	INTERGENIC		
SNP_43081B_50832	scaffold242	NW_004515775.1	50832	AA	GG	GG	INTERGENIC		
SNP_43082B_50861	scaffold242	NW_004515775.1	50861	TT	CC	CC	INTERGENIC		
SNP_43083B_50879	scaffold242	NW_004515775.1	50879	AA	GG	GG	INTERGENIC		
SNP_43084B_51027	scaffold242	NW_004515775.1	51027	TT	CC	CC	INTERGENIC		
SNP_43085B_64397	scaffold242	NW_004515775.1	64397	CC	TT	TT	INTRON	101491645	uncharacterized LOC101491645
SNP_43086B_64740	scaffold242	NW_004515775.1	64740	GG	AA	AA	INTRON	101491645	uncharacterized LOC101491645
SNP_43087B_64769	scaffold242	NW_004515775.1	64769	GG	AA	AA	INTRON	101491645	uncharacterized LOC101491645
SNP_43088B_82394	scaffold242	NW_004515775.1	82394	GG	TT	TT	INTERGENIC		
SNP_43089B_103749	scaffold242	NW_004515775.1	103749	CC	TT	TT	INTERGENIC		
SNP_43090B_103775	scaffold242	NW_004515775.1	103775	CC	TT	TT	INTERGENIC		
SNP_43091B_103779	scaffold242	NW_004515775.1	103779	CC	AA	AA	INTERGENIC		
SNP_43092B_103998	scaffold242	NW_004515775.1	103998	CC	TT	TT	INTERGENIC		
SNP_43093B_104050	scaffold242	NW_004515775.1	104050	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43094B_108197	scaffold242	NW_004515775.1	108197	CC	TT	TT	INTERGENIC		
SNP_43095B_108207	scaffold242	NW_004515775.1	108207	CC	AA	AA	INTERGENIC		
SNP_43096B_116505	scaffold242	NW_004515775.1	116505	GG	AA	AA	INTERGENIC		
SNP_43097B_123010	scaffold242	NW_004515775.1	123010	CC	TT	TT	INTERGENIC		
SNP_43098B_156781	scaffold242	NW_004515775.1	156781	AA	GG	GG	DRR	101492624	polygalacturonase-like
SNP_43099B_169547	scaffold242	NW_004515775.1	169547	CC	TT	TT	INTERGENIC		
SNP_43100B_191552	scaffold242	NW_004515775.1	191552	TT	CC	CC	INTERGENIC		
SNP_43101B_191717	scaffold242	NW_004515775.1	191717	TT	AA	AA	INTERGENIC		
SNP_43102B_211548	scaffold242	NW_004515775.1	211548	AA	GG	GG	INTERGENIC		
SNP_43103B_229265	scaffold242	NW_004515775.1	229265	GG	AA	AA	INTERGENIC		
SNP_43104B_244176	scaffold242	NW_004515775.1	244176	AA	GG	GG	INTERGENIC		
SNP_43105B_254885	scaffold242	NW_004515775.1	254885	TT	CC	CC	INTERGENIC		
SNP_43106B_288374	scaffold242	NW_004515775.1	288374	AA	GG	GG	INTERGENIC		
SNP_43107B_306972	scaffold242	NW_004515775.1	306972	TT	CC	CC	INTERGENIC		
SNP_43109B_309863	scaffold242	NW_004515775.1	309863	AA	GG	GG	INTERGENIC		
SNP_43110B_310194	scaffold242	NW_004515775.1	310194	TT	CC	CC	INTERGENIC		
SNP_43111B_311756	scaffold242	NW_004515775.1	311756	AA	CC	CC	INTERGENIC		
SNP_43112B_313347	scaffold242	NW_004515775.1	313347	TT	CC	CC	INTERGENIC		
SNP_43113B_316002	scaffold242	NW_004515775.1	316002	CC	AA	AA	INTERGENIC		
SNP_43114B_324719	scaffold242	NW_004515775.1	324719	GG	TT	TT	INTERGENIC		
SNP_43115B_334766	scaffold242	NW_004515775.1	334766	CC	TT	TT	INTERGENIC		
SNP_43116B_339146	scaffold242	NW_004515775.1	339146	TT	CC	CC	INTERGENIC		
SNP_43118B_356992	scaffold242	NW_004515775.1	356992	CC	AA	AA	URR	101497709	Unknown function
SNP_43120B_364776	scaffold242	NW_004515775.1	364776	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43122B_372636	scaffold242	NW_004515775.1	372636	TT	AA	AA	INTERGENIC		
SNP_43123B_377509	scaffold242	NW_004515775.1	377509	AA	GG	GG	URR	101498032	Unknown function
SNP_43124B_384574	scaffold242	NW_004515775.1	384574	AA	GG	GG	INTERGENIC		
SNP_43125B_397818	scaffold242	NW_004515775.1	397818	CC	AA	AA	INTERGENIC		
SNP_43126B_405629	scaffold242	NW_004515775.1	405629	GG	AA	AA	INTERGENIC		
SNP_43127B_411892	scaffold242	NW_004515775.1	411892	AA	TT	TT	INTERGENIC		
SNP_43128B_418076	scaffold242	NW_004515775.1	418076	AA	CC	CC	INTERGENIC		
SNP_43129B_431100	scaffold242	NW_004515775.1	431100	AA	CC	CC	INTERGENIC		
SNP_43130B_450810	scaffold242	NW_004515775.1	450810	GG	AA	AA	INTERGENIC		
SNP_43131B_455617	scaffold242	NW_004515775.1	455617	GG	AA	AA	INTERGENIC		
SNP_43132B_460730	scaffold242	NW_004515775.1	460730	AA	TT	TT	INTERGENIC		
SNP_43133B_460731	scaffold242	NW_004515775.1	460731	AA	TT	TT	INTERGENIC		
SNP_43134B_460732	scaffold242	NW_004515775.1	460732	AA	TT	TT	INTERGENIC		
SNP_43135B_460733	scaffold242	NW_004515775.1	460733	AA	TT	TT	INTERGENIC		
SNP_43136B_483329	scaffold242	NW_004515775.1	483329	CC	TT	TT	INTERGENIC		
SNP_43137B_490765	scaffold242	NW_004515775.1	490765	TT	GG	GG	INTERGENIC		
SNP_43138B_518735	scaffold242	NW_004515775.1	518735	TT	CC	CC	INTERGENIC		
SNP_43139B_531999	scaffold242	NW_004515775.1	531999	AA	GG	GG	INTERGENIC		
SNP_43140B_534535	scaffold242	NW_004515775.1	534535	AA	GG	GG	INTERGENIC		
SNP_43141B_534540	scaffold242	NW_004515775.1	534540	GG	AA	AA	INTERGENIC		
SNP_43142B_536902	scaffold242	NW_004515775.1	536902	CC	AA	AA	INTERGENIC		
SNP_43143B_537327	scaffold242	NW_004515775.1	537327	GG	AA	AA	INTERGENIC		
SNP_43144B_537337	scaffold242	NW_004515775.1	537337	CC	TT	TT	INTERGENIC		
SNP_43145B_546056	scaffold242	NW_004515775.1	546056	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43146B_552421	scaffold242	NW_004515775.1	552421	TT	GG	GG	INTERGENIC		
SNP_43147B_552422	scaffold242	NW_004515775.1	552422	TT	CC	CC	INTERGENIC		
SNP_43148B_561694	scaffold242	NW_004515775.1	561694	AA	GG	GG	INTERGENIC		
SNP_43149B_561698	scaffold242	NW_004515775.1	561698	CC	GG	GG	INTERGENIC		
SNP_43151B_562110	scaffold242	NW_004515775.1	562110	TT	CC	CC	INTERGENIC		
SNP_43152B_572448	scaffold242	NW_004515775.1	572448	TT	AA	AA	INTERGENIC		
SNP_43153B_574122	scaffold242	NW_004515775.1	574122	AA	GG	GG	INTERGENIC		
SNP_43156B_598819	scaffold242	NW_004515775.1	598819	TT	AA	AA	INTERGENIC		
SNP_43157B_606374	scaffold242	NW_004515775.1	606374	CC	TT	TT	INTERGENIC		
SNP_43158B_608228	scaffold242	NW_004515775.1	608228	AA	GG	GG	INTERGENIC		
SNP_43159B_610862	scaffold242	NW_004515775.1	610862	CC	TT	TT	INTERGENIC		
SNP_43160B_612678	scaffold242	NW_004515775.1	612678	AA	TT	TT	INTERGENIC		
SNP_43161B_614989	scaffold242	NW_004515775.1	614989	TT	CC	CC	INTERGENIC		
SNP_43162B_618159	scaffold242	NW_004515775.1	618159	AA	GG	GG	INTERGENIC		
SNP_43163B_618328	scaffold242	NW_004515775.1	618328	CC	TT	TT	INTERGENIC		
SNP_43164B_618584	scaffold242	NW_004515775.1	618584	AA	GG	GG	INTERGENIC		
SNP_43165B_620200	scaffold242	NW_004515775.1	620200	CC	TT	TT	INTERGENIC		
SNP_43166B_624581	scaffold242	NW_004515775.1	624581	AA	GG	GG	INTERGENIC		
SNP_43167B_624598	scaffold242	NW_004515775.1	624598	AA	GG	GG	INTERGENIC		
SNP_43168B_624631	scaffold242	NW_004515775.1	624631	AA	GG	GG	INTERGENIC		
SNP_43169B_624901	scaffold242	NW_004515775.1	624901	CC	AA	AA	INTERGENIC		
SNP_43170B_624922	scaffold242	NW_004515775.1	624922	AA	CC	CC	INTERGENIC		
SNP_43171B_624983	scaffold242	NW_004515775.1	624983	TT	CC	CC	INTERGENIC		
SNP_43172B_628308	scaffold242	NW_004515775.1	628308	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43173B_634365	scaffold242	NW_004515775.1	634365	TT	CC	CC	URR	101495199	putative disease resistance protein RGA3
SNP_43174B_653639	scaffold242	NW_004515775.1	653639	GG	AA	AA	INTERGENIC		
SNP_43175B_670917	scaffold242	NW_004515775.1	670917	CC	TT	TT	INTERGENIC		
SNP_43176B_683695	scaffold242	NW_004515775.1	683695	AA	CC	CC	INTERGENIC		
SNP_43177B_684898	scaffold242	NW_004515775.1	684898	CC	TT	TT	INTERGENIC		
SNP_43178B_688249	scaffold242	NW_004515775.1	688249	GG	AA	AA	INTERGENIC		
SNP_43179B_691351	scaffold242	NW_004515775.1	691351	CC	TT	TT	INTERGENIC		
SNP_43181B_700384	scaffold242	NW_004515775.1	700384	TT	CC	CC	INTERGENIC		
SNP_43182B_701350	scaffold242	NW_004515775.1	701350	CC	TT	TT	INTERGENIC		
SNP_43183B_701537	scaffold242	NW_004515775.1	701537	AA	GG	GG	INTERGENIC		
SNP_43184B_701668	scaffold242	NW_004515775.1	701668	CC	TT	TT	INTERGENIC		
SNP_43186B_732589	scaffold242	NW_004515775.1	732589	AA	GG	GG	INTERGENIC		
SNP_43188B_735569	scaffold242	NW_004515775.1	735569	TT	GG	GG	INTERGENIC		
SNP_43189B_735608	scaffold242	NW_004515775.1	735608	AA	CC	CC	INTERGENIC		
SNP_43190B_736024	scaffold242	NW_004515775.1	736024	GG	AA	AA	INTERGENIC		
SNP_43191B_736027	scaffold242	NW_004515775.1	736027	GG	TT	TT	INTERGENIC		
SNP_43192B_737648	scaffold242	NW_004515775.1	737648	TT	GG	GG	INTERGENIC		
SNP_43193B_783434	scaffold242	NW_004515775.1	783434	CC	TT	TT	INTRON	101502208	Unknown function
SNP_43194B_785100	scaffold242	NW_004515775.1	785100	TT	GG	GG	INTRON	101502208	Unknown function
SNP_43195B_786683	scaffold242	NW_004515775.1	786683	TT	CC	CC	INTRON	101502208	Unknown function
SNP_43196B_787576	scaffold242	NW_004515775.1	787576	GG	AA	AA	INTRON	101502208	Unknown function
SNP_43197B_792473	scaffold242	NW_004515775.1	792473	CC	AA	AA	INTERGENIC		
SNP_43198B_792864	scaffold242	NW_004515775.1	792864	GG	TT	TT	INTERGENIC		
SNP_43200B_801960	scaffold242	NW_004515775.1	801960	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43201B_801991	scaffold242	NW_004515775.1	801991	TT	CC	CC	INTERGENIC		
SNP_43202B_803008	scaffold242	NW_004515775.1	803008	GG	AA	AA	INTERGENIC		
SNP_43203B_803019	scaffold242	NW_004515775.1	803019	GG	AA	AA	INTERGENIC		
SNP_43204B_803082	scaffold242	NW_004515775.1	803082	TT	CC	CC	INTERGENIC		
SNP_43205B_803447	scaffold242	NW_004515775.1	803447	AA	TT	TT	INTERGENIC		
SNP_43206B_804360	scaffold242	NW_004515775.1	804360	GG	AA	AA	INTERGENIC		
SNP_43207B_804366	scaffold242	NW_004515775.1	804366	GG	CC	CC	INTERGENIC		
SNP_43208B_810235	scaffold242	NW_004515775.1	810235	CC	TT	TT	INTERGENIC		
SNP_43209B_811165	scaffold242	NW_004515775.1	811165	CC	AA	AA	INTERGENIC		
SNP_43210B_813207	scaffold242	NW_004515775.1	813207	AA	TT	TT	INTERGENIC		
SNP_43211B_14245	scaffold244	NW_004515777.1	14245	TT	CC	CC	INTERGENIC		
SNP_43212B_293	scaffold246	NW_004515778.1	293	GG	AA	AA	INTERGENIC		
SNP_43213B_461	scaffold246	NW_004515778.1	461	GG	TT	TT	INTERGENIC		
SNP_43214B_36001	scaffold246	NW_004515778.1	36001	TT	CC	CC	INTERGENIC		
SNP_43215B_55134	scaffold246	NW_004515778.1	55134	TT	GG	GG	INTERGENIC		
SNP_43216B_55341	scaffold246	NW_004515778.1	55341	TT	AA	AA	INTERGENIC		
SNP_43217B_55471	scaffold246	NW_004515778.1	55471	CC	TT	TT	INTERGENIC		
SNP_43218B_67572	scaffold246	NW_004515778.1	67572	GG	AA	AA	INTERGENIC		
SNP_43219B_67664	scaffold246	NW_004515778.1	67664	TT	CC	CC	INTERGENIC		
SNP_43220B_67896	scaffold246	NW_004515778.1	67896	TT	CC	CC	INTERGENIC		
SNP_43221B_1566	scaffold249	NW_004515779.1	1566	TT	GG	GG	INTERGENIC		
SNP_43222B_1793	scaffold249	NW_004515779.1	1793	GG	AA	AA	INTERGENIC		
SNP_43223B_1831	scaffold249	NW_004515779.1	1831	GG	TT	TT	INTERGENIC		
SNP_43224B_4252	scaffold249	NW_004515779.1	4252	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43225B_4408	scaffold249	NW_004515779.1	4408	CC	TT	TT	INTERGENIC		
SNP_43226B_4447	scaffold249	NW_004515779.1	4447	TT	CC	CC	INTERGENIC		
SNP_43227B_4488	scaffold249	NW_004515779.1	4488	TT	AA	AA	INTERGENIC		
SNP_43228B_18469	scaffold249	NW_004515779.1	18469	GG	TT	TT	INTERGENIC		
SNP_43230B_23864	scaffold249	NW_004515779.1	23864	AA	TT	TT	INTERGENIC		
SNP_43231B_54100	scaffold249	NW_004515779.1	54100	CC	AA	AA	INTERGENIC		
SNP_43232B_54160	scaffold249	NW_004515779.1	54160	AA	CC	CC	INTERGENIC		
SNP_43234B_54166	scaffold249	NW_004515779.1	54166	AA	TT	TT	INTERGENIC		
SNP_43235B_54200	scaffold249	NW_004515779.1	54200	AA	CC	CC	INTERGENIC		
SNP_43236B_54225	scaffold249	NW_004515779.1	54225	TT	GG	GG	INTERGENIC		
SNP_43237B_54338	scaffold249	NW_004515779.1	54338	TT	AA	AA	INTERGENIC		
SNP_43238B_54343	scaffold249	NW_004515779.1	54343	TT	CC	CC	INTERGENIC		
SNP_43239B_54418	scaffold249	NW_004515779.1	54418	AA	GG	GG	INTERGENIC		
SNP_43240B_54447	scaffold249	NW_004515779.1	54447	TT	GG	GG	INTERGENIC		
SNP_43241B_54461	scaffold249	NW_004515779.1	54461	GG	AA	AA	INTERGENIC		
SNP_43242B_54485	scaffold249	NW_004515779.1	54485	TT	AA	AA	INTERGENIC		
SNP_43243B_56993	scaffold249	NW_004515779.1	56993	AA	TT	TT	INTERGENIC		
SNP_43244B_68917	scaffold249	NW_004515779.1	68917	TT	CC	CC	INTERGENIC		
SNP_43245B_73316	scaffold249	NW_004515779.1	73316	AA	GG	GG	INTERGENIC		
SNP_43246B_73317	scaffold249	NW_004515779.1	73317	CC	TT	TT	INTERGENIC		
SNP_43247B_73541	scaffold249	NW_004515779.1	73541	CC	GG	GG	INTERGENIC		
SNP_43248B_73635	scaffold249	NW_004515779.1	73635	GG	AA	AA	INTERGENIC		
SNP_43249B_89471	scaffold249	NW_004515779.1	89471	AA	GG	GG	INTERGENIC		
SNP_43250B_141976	scaffold249	NW_004515779.1	141976	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43251B_142049	scaffold249	NW_004515779.1	142049	TT	AA	AA	INTERGENIC		
SNP_43252B_142136	scaffold249	NW_004515779.1	142136	AA	GG	GG	INTERGENIC		
SNP_43253B_142326	scaffold249	NW_004515779.1	142326	CC	AA	AA	INTERGENIC		
SNP_43255B_144894	scaffold249	NW_004515779.1	144894	AA	TT	TT	INTERGENIC		
SNP_43256B_145053	scaffold249	NW_004515779.1	145053	CC	TT	TT	INTERGENIC		
SNP_43257B_145121	scaffold249	NW_004515779.1	145121	CC	GG	GG	INTERGENIC		
SNP_43258B_145148	scaffold249	NW_004515779.1	145148	GG	CC	CC	INTERGENIC		
SNP_43259B_145171	scaffold249	NW_004515779.1	145171	CC	AA	AA	INTERGENIC		
SNP_43260B_145313	scaffold249	NW_004515779.1	145313	TT	AA	AA	INTERGENIC		
SNP_43261B_145373	scaffold249	NW_004515779.1	145373	TT	AA	AA	INTERGENIC		
SNP_43263B_145507	scaffold249	NW_004515779.1	145507	AA	GG	GG	INTERGENIC		
SNP_43264B_145546	scaffold249	NW_004515779.1	145546	AA	TT	TT	INTERGENIC		
SNP_43265B_145559	scaffold249	NW_004515779.1	145559	AA	TT	TT	INTERGENIC		
SNP_43266B_145652	scaffold249	NW_004515779.1	145652	AA	TT	TT	INTERGENIC		
SNP_43267B_145686	scaffold249	NW_004515779.1	145686	CC	AA	AA	INTERGENIC		
SNP_43268B_145688	scaffold249	NW_004515779.1	145688	AA	CC	CC	INTERGENIC		
SNP_43269B_145689	scaffold249	NW_004515779.1	145689	GG	CC	CC	INTERGENIC		
SNP_43270B_145693	scaffold249	NW_004515779.1	145693	GG	AA	AA	INTERGENIC		
SNP_43271B_145703	scaffold249	NW_004515779.1	145703	TT	CC	CC	INTERGENIC		
SNP_43272B_145713	scaffold249	NW_004515779.1	145713	AA	CC	CC	INTERGENIC		
SNP_43273B_145820	scaffold249	NW_004515779.1	145820	TT	AA	AA	INTERGENIC		
SNP_43274B_152972	scaffold249	NW_004515779.1	152972	AA	GG	GG	INTERGENIC		
SNP_43275B_155183	scaffold249	NW_004515779.1	155183	CC	AA	AA	INTERGENIC		
SNP_43276B_167333	scaffold249	NW_004515779.1	167333	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43277B_169104	scaffold249	NW_004515779.1	169104	TT	AA	AA	INTERGENIC		
SNP_43278B_169126	scaffold249	NW_004515779.1	169126	AA	GG	GG	INTERGENIC		
SNP_43279B_170588	scaffold249	NW_004515779.1	170588	TT	CC	CC	INTERGENIC		
SNP_43280B_170606	scaffold249	NW_004515779.1	170606	CC	TT	TT	INTERGENIC		
SNP_43281B_170676	scaffold249	NW_004515779.1	170676	AA	TT	TT	INTERGENIC		
SNP_43282B_190087	scaffold249	NW_004515779.1	190087	AA	CC	CC	INTERGENIC		
SNP_43283B_190281	scaffold249	NW_004515779.1	190281	TT	GG	GG	INTERGENIC		
SNP_43284B_42295	scaffold250	NW_004515780.1	42295	TT	CC	CC	INTERGENIC		
SNP_43285B_77484	scaffold250	NW_004515780.1	77484	TT	CC	CC	INTERGENIC		
SNP_43286B_77506	scaffold250	NW_004515780.1	77506	AA	GG	GG	INTERGENIC		
SNP_43287B_77709	scaffold250	NW_004515780.1	77709	CC	TT	TT	INTERGENIC		
SNP_43288B_77710	scaffold250	NW_004515780.1	77710	AA	TT	TT	INTERGENIC		
SNP_43289B_77751	scaffold250	NW_004515780.1	77751	TT	CC	CC	INTERGENIC		
SNP_43290B_82172	scaffold250	NW_004515780.1	82172	AA	GG	GG	DRR	101504240	Unknown function
SNP_43291B_82178	scaffold250	NW_004515780.1	82178	CC	AA	AA	DRR	101504240	Unknown function
SNP_43292B_82252	scaffold250	NW_004515780.1	82252	CC	TT	TT	DRR	101504240	Unknown function
SNP_43293B_82612	scaffold250	NW_004515780.1	82612	AA	CC	CC	URR	101503919	uncharacterized LOC101503919
SNP_43295B_91049	scaffold250	NW_004515780.1	91049	GG	AA	AA	INTERGENIC		
SNP_43296B_120862	scaffold250	NW_004515780.1	120862	AA	CC	CC	INTERGENIC		
SNP_43297B_655	scaffold251	NW_004515781.1	655	TT	CC	CC	INTERGENIC		
SNP_43298B_693	scaffold251	NW_004515781.1	693	AA	TT	TT	INTERGENIC		
SNP_43299B_2669	scaffold251	NW_004515781.1	2669	AA	CC	CC	INTERGENIC		
SNP_43300B_8307	scaffold251	NW_004515781.1	8307	CC	TT	TT	INTERGENIC		
SNP_43301B_8917	scaffold255	NW_004515784.1	8917	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43302B_8923	scaffold255	NW_004515784.1	8923	GG	AA	AA	INTERGENIC		
SNP_43303B_8929	scaffold255	NW_004515784.1	8929	AA	GG	GG	INTERGENIC		
SNP_43304B_9263	scaffold255	NW_004515784.1	9263	AA	GG	GG	INTERGENIC		
SNP_43305B_9280	scaffold255	NW_004515784.1	9280	TT	CC	CC	INTERGENIC		
SNP_43306B_9304	scaffold255	NW_004515784.1	9304	TT	GG	GG	INTERGENIC		
SNP_43307B_9347	scaffold255	NW_004515784.1	9347	AA	CC	CC	INTERGENIC		
SNP_43308B_9355	scaffold255	NW_004515784.1	9355	AA	GG	GG	INTERGENIC		
SNP_43309B_9370	scaffold255	NW_004515784.1	9370	TT	GG	GG	INTERGENIC		
SNP_43310B_9383	scaffold255	NW_004515784.1	9383	TT	CC	CC	INTERGENIC		
SNP_43311B_9406	scaffold255	NW_004515784.1	9406	TT	AA	AA	INTERGENIC		
SNP_43312B_9409	scaffold255	NW_004515784.1	9409	AA	GG	GG	INTERGENIC		
SNP_43313B_45931	scaffold255	NW_004515784.1	45931	AA	GG	GG	INTERGENIC		
SNP_43314B_45960	scaffold255	NW_004515784.1	45960	GG	TT	TT	INTERGENIC		
SNP_43315B_46259	scaffold255	NW_004515784.1	46259	TT	AA	AA	INTERGENIC		
SNP_43316B_46279	scaffold255	NW_004515784.1	46279	GG	AA	AA	INTERGENIC		
SNP_43317B_51325	scaffold255	NW_004515784.1	51325	AA	TT	TT	INTERGENIC		
SNP_43318B_70113	scaffold255	NW_004515784.1	70113	TT	CC	CC	INTERGENIC		
SNP_43319B_70327	scaffold255	NW_004515784.1	70327	AA	CC	CC	INTERGENIC		
SNP_43320B_70347	scaffold255	NW_004515784.1	70347	AA	CC	CC	INTERGENIC		
SNP_43321B_70412	scaffold255	NW_004515784.1	70412	CC	TT	TT	INTERGENIC		
SNP_43322B_79358	scaffold255	NW_004515784.1	79358	AA	TT	TT	INTERGENIC		
SNP_43323B_79497	scaffold255	NW_004515784.1	79497	CC	GG	GG	INTERGENIC		
SNP_43324B_79510	scaffold255	NW_004515784.1	79510	TT	GG	GG	INTERGENIC		
SNP_43325B_85719	scaffold255	NW_004515784.1	85719	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43326B_85720	scaffold255	NW_004515784.1	85720	AA	GG	GG	INTERGENIC		
SNP_43327B_2438	scaffold256	NW_004515785.1	2438	AA	TT	TT	INTERGENIC		
SNP_43328B_10550	scaffold256	NW_004515785.1	10550	CC	TT	TT	INTERGENIC		
SNP_43329B_10578	scaffold256	NW_004515785.1	10578	AA	TT	TT	INTERGENIC		
SNP_43330B_10594	scaffold256	NW_004515785.1	10594	TT	CC	CC	INTERGENIC		
SNP_43332B_43641	scaffold256	NW_004515785.1	43641	GG	AA	AA	INTERGENIC		
SNP_43333B_43698	scaffold256	NW_004515785.1	43698	CC	AA	AA	INTERGENIC		
SNP_43334B_43742	scaffold256	NW_004515785.1	43742	GG	AA	AA	INTERGENIC		
SNP_43335B_43760	scaffold256	NW_004515785.1	43760	TT	AA	AA	INTERGENIC		
SNP_43336B_44157	scaffold256	NW_004515785.1	44157	GG	TT	TT	INTERGENIC		
SNP_43337B_44165	scaffold256	NW_004515785.1	44165	GG	AA	AA	INTERGENIC		
SNP_43338B_61884	scaffold256	NW_004515785.1	61884	AA	GG	GG	INTERGENIC		
SNP_43339B_62209	scaffold256	NW_004515785.1	62209	TT	CC	CC	INTERGENIC		
SNP_43340B_62211	scaffold256	NW_004515785.1	62211	TT	GG	GG	INTERGENIC		
SNP_43341B_92137	scaffold256	NW_004515785.1	92137	GG	AA	AA	INTERGENIC		
SNP_43342B_101362	scaffold256	NW_004515785.1	101362	CC	GG	GG	INTERGENIC		
SNP_43343B_101453	scaffold256	NW_004515785.1	101453	TT	AA	AA	INTERGENIC		
SNP_43344B_101455	scaffold256	NW_004515785.1	101455	AA	GG	GG	INTERGENIC		
SNP_43345B_101663	scaffold256	NW_004515785.1	101663	TT	AA	AA	INTERGENIC		
SNP_43346B_101719	scaffold256	NW_004515785.1	101719	AA	TT	TT	INTERGENIC		
SNP_43347B_101724	scaffold256	NW_004515785.1	101724	TT	AA	AA	INTERGENIC		
SNP_43348B_101898	scaffold256	NW_004515785.1	101898	TT	CC	CC	INTERGENIC		
SNP_43349B_171559	scaffold256	NW_004515785.1	171559	TT	CC	CC	INTERGENIC		
SNP_43350B_171861	scaffold256	NW_004515785.1	171861	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43351B_171893	scaffold256	NW_004515785.1	171893	AA	TT	TT	INTERGENIC		
SNP_43352B_171952	scaffold256	NW_004515785.1	171952	CC	TT	TT	INTERGENIC		
SNP_43353B_1628	scaffold260	NW_004515786.1	1628	TT	AA	AA	INTERGENIC		
SNP_43354B_1646	scaffold260	NW_004515786.1	1646	CC	TT	TT	INTERGENIC		
SNP_43356B_1933	scaffold260	NW_004515786.1	1933	TT	CC	CC	INTERGENIC		
SNP_43357B_15986	scaffold260	NW_004515786.1	15986	CC	AA	AA	INTERGENIC		
SNP_43358B_58220	scaffold260	NW_004515786.1	58220	TT	CC	CC	URR	101507164	Unknown function
SNP_43359B_58600	scaffold260	NW_004515786.1	58600	AA	CC	CC	URR	101507164	Unknown function
SNP_43360B_65031	scaffold260	NW_004515786.1	65031	TT	AA	AA	INTERGENIC		
SNP_43361B_65035	scaffold260	NW_004515786.1	65035	AA	TT	TT	INTERGENIC		
SNP_43362B_65048	scaffold260	NW_004515786.1	65048	CC	TT	TT	INTERGENIC		
SNP_43363B_65332	scaffold260	NW_004515786.1	65332	TT	AA	AA	INTERGENIC		
SNP_43364B_75301	scaffold260	NW_004515786.1	75301	CC	TT	TT	INTERGENIC		
SNP_43365B_87518	scaffold260	NW_004515786.1	87518	GG	AA	AA	INTERGENIC		
SNP_43366B_174326	scaffold260	NW_004515786.1	174326	AA	GG	GG	INTERGENIC		
SNP_43367B_210669	scaffold260	NW_004515786.1	210669	GG	AA	AA	INTERGENIC		
SNP_43368B_233674	scaffold260	NW_004515786.1	233674	GG	TT	TT	INTERGENIC		
SNP_43369B_233704	scaffold260	NW_004515786.1	233704	CC	TT	TT	INTERGENIC		
SNP_43370B_237198	scaffold260	NW_004515786.1	237198	TT	CC	CC	INTERGENIC		
SNP_43371B_257318	scaffold260	NW_004515786.1	257318	TT	CC	CC	INTERGENIC		
SNP_43372B_267253	scaffold260	NW_004515786.1	267253	GG	AA	AA	INTERGENIC		
SNP_43373B_354873	scaffold260	NW_004515786.1	354873	CC	TT	TT	INTERGENIC		
SNP_43374B_354876	scaffold260	NW_004515786.1	354876	TT	AA	AA	INTERGENIC		
SNP_43375B_354924	scaffold260	NW_004515786.1	354924	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43376B_354927	scaffold260	NW_004515786.1	354927	AA	GG	GG	INTERGENIC		
SNP_43377B_354944	scaffold260	NW_004515786.1	354944	AA	CC	CC	INTERGENIC		
SNP_43378B_355036	scaffold260	NW_004515786.1	355036	AA	CC	CC	INTERGENIC		
SNP_43380B_355751	scaffold260	NW_004515786.1	355751	AA	GG	GG	INTERGENIC		
SNP_43381B_355757	scaffold260	NW_004515786.1	355757	CC	TT	TT	INTERGENIC		
SNP_43382B_355774	scaffold260	NW_004515786.1	355774	TT	CC	CC	INTERGENIC		
SNP_43383B_356023	scaffold260	NW_004515786.1	356023	GG	AA	AA	INTERGENIC		
SNP_43384B_356191	scaffold260	NW_004515786.1	356191	TT	CC	CC	INTERGENIC		
SNP_43385B_356289	scaffold260	NW_004515786.1	356289	AA	TT	TT	INTERGENIC		
SNP_43386B_356532	scaffold260	NW_004515786.1	356532	AA	GG	GG	INTERGENIC		
SNP_43387B_356544	scaffold260	NW_004515786.1	356544	CC	AA	AA	INTERGENIC		
SNP_43388B_11449	scaffold263	NW_004515788.1	11449	AA	GG	GG	INTERGENIC		
SNP_43389B_20472	scaffold263	NW_004515788.1	20472	AA	TT	TT	INTERGENIC		
SNP_43390B_64724	scaffold263	NW_004515788.1	64724	TT	CC	CC	INTERGENIC		
SNP_43391B_81322	scaffold263	NW_004515788.1	81322	AA	GG	GG	INTERGENIC		
SNP_43392B_165645	scaffold263	NW_004515788.1	165645	AA	GG	GG	INTERGENIC		
SNP_43394B_165880	scaffold263	NW_004515788.1	165880	TT	GG	GG	INTERGENIC		
SNP_43395B_165940	scaffold263	NW_004515788.1	165940	AA	GG	GG	INTERGENIC		
SNP_43396B_165970	scaffold263	NW_004515788.1	165970	TT	CC	CC	INTERGENIC		
SNP_43397B_166352	scaffold263	NW_004515788.1	166352	CC	TT	TT	INTERGENIC		
SNP_43398B_166357	scaffold263	NW_004515788.1	166357	CC	TT	TT	INTERGENIC		
SNP_43399B_166757	scaffold263	NW_004515788.1	166757	GG	AA	AA	INTERGENIC		
SNP_43400B_166772	scaffold263	NW_004515788.1	166772	TT	GG	GG	INTERGENIC		
SNP_43401B_172904	scaffold263	NW_004515788.1	172904	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43402B_174059	scaffold263	NW_004515788.1	174059	GG	AA	AA	INTERGENIC		
SNP_43403B_174169	scaffold263	NW_004515788.1	174169	CC	TT	TT	INTERGENIC		
SNP_43404B_176205	scaffold263	NW_004515788.1	176205	AA	GG	GG	INTERGENIC		
SNP_43405B_176246	scaffold263	NW_004515788.1	176246	AA	TT	TT	INTERGENIC		
SNP_43406B_176269	scaffold263	NW_004515788.1	176269	AA	GG	GG	INTERGENIC		
SNP_43407B_176274	scaffold263	NW_004515788.1	176274	GG	AA	AA	INTERGENIC		
SNP_43408B_176353	scaffold263	NW_004515788.1	176353	GG	TT	TT	INTERGENIC		
SNP_43409B_176623	scaffold263	NW_004515788.1	176623	CC	TT	TT	INTERGENIC		
SNP_43410B_176630	scaffold263	NW_004515788.1	176630	GG	AA	AA	INTERGENIC		
SNP_43411B_176635	scaffold263	NW_004515788.1	176635	CC	TT	TT	INTERGENIC		
SNP_43412B_176655	scaffold263	NW_004515788.1	176655	CC	TT	TT	INTERGENIC		
SNP_43413B_177842	scaffold263	NW_004515788.1	177842	AA	CC	CC	INTERGENIC		
SNP_43414B_177975	scaffold263	NW_004515788.1	177975	TT	AA	AA	INTERGENIC		
SNP_43415B_178162	scaffold263	NW_004515788.1	178162	AA	GG	GG	INTERGENIC		
SNP_43416B_4693	scaffold268	NW_004515790.1	4693	CC	TT	TT	INTERGENIC		
SNP_43417B_13180	scaffold268	NW_004515790.1	13180	CC	AA	AA	INTERGENIC		
SNP_43418B_13200	scaffold268	NW_004515790.1	13200	TT	CC	CC	INTERGENIC		
SNP_43419B_13202	scaffold268	NW_004515790.1	13202	GG	TT	TT	INTERGENIC		
SNP_43420B_13216	scaffold268	NW_004515790.1	13216	TT	CC	CC	INTERGENIC		
SNP_43421B_13223	scaffold268	NW_004515790.1	13223	GG	TT	TT	INTERGENIC		
SNP_43422B_13229	scaffold268	NW_004515790.1	13229	AA	GG	GG	INTERGENIC		
SNP_43423B_13237	scaffold268	NW_004515790.1	13237	CC	AA	AA	INTERGENIC		
SNP_43424B_13359	scaffold268	NW_004515790.1	13359	TT	CC	CC	INTERGENIC		
SNP_43425B_30715	scaffold268	NW_004515790.1	30715	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43426B_34236	scaffold268	NW_004515790.1	34236	AA	TT	TT	INTERGENIC		
SNP_43427B_43077	scaffold268	NW_004515790.1	43077	TT	CC	CC	INTERGENIC		
SNP_43428B_43657	scaffold268	NW_004515790.1	43657	GG	AA	AA	INTERGENIC		
SNP_43429B_43846	scaffold268	NW_004515790.1	43846	AA	GG	GG	INTERGENIC		
SNP_43430B_56160	scaffold268	NW_004515790.1	56160	AA	TT	TT	INTERGENIC		
SNP_43431B_58532	scaffold268	NW_004515790.1	58532	TT	CC	CC	INTERGENIC		
SNP_43432B_3176	scaffold269	NW_004515791.1	3176	GG	AA	AA	INTERGENIC		
SNP_43433B_3193	scaffold269	NW_004515791.1	3193	AA	GG	GG	INTERGENIC		
SNP_43434B_3333	scaffold269	NW_004515791.1	3333	CC	TT	TT	INTERGENIC		
SNP_43435B_3378	scaffold269	NW_004515791.1	3378	TT	CC	CC	INTERGENIC		
SNP_43436B_3398	scaffold269	NW_004515791.1	3398	GG	AA	AA	INTERGENIC		
SNP_43437B_3558	scaffold269	NW_004515791.1	3558	GG	AA	AA	INTERGENIC		
SNP_43438B_3612	scaffold269	NW_004515791.1	3612	AA	CC	CC	INTERGENIC		
SNP_43440B_19539	scaffold271	NW_004515792.1	19539	TT	CC	CC	INTERGENIC		
SNP_43441B_19554	scaffold271	NW_004515792.1	19554	GG	AA	AA	INTERGENIC		
SNP_43442B_19557	scaffold271	NW_004515792.1	19557	TT	CC	CC	INTERGENIC		
SNP_43443B_19564	scaffold271	NW_004515792.1	19564	CC	TT	TT	INTERGENIC		
SNP_43444B_19600	scaffold271	NW_004515792.1	19600	CC	TT	TT	INTERGENIC		
SNP_43445B_19623	scaffold271	NW_004515792.1	19623	AA	CC	CC	INTERGENIC		
SNP_43446B_19690	scaffold271	NW_004515792.1	19690	TT	CC	CC	INTERGENIC		
SNP_43447B_19720	scaffold271	NW_004515792.1	19720	CC	TT	TT	INTERGENIC		
SNP_43448B_19732	scaffold271	NW_004515792.1	19732	TT	CC	CC	INTERGENIC		
SNP_43449B_19756	scaffold271	NW_004515792.1	19756	CC	TT	TT	INTERGENIC		
SNP_43450B_19958	scaffold271	NW_004515792.1	19958	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43451B_20006	scaffold271	NW_004515792.1	20006	AA	GG	GG	INTERGENIC		
SNP_43452B_20015	scaffold271	NW_004515792.1	20015	TT	CC	CC	INTERGENIC		
SNP_43453B_20018	scaffold271	NW_004515792.1	20018	TT	AA	AA	INTERGENIC		
SNP_43454B_20035	scaffold271	NW_004515792.1	20035	GG	AA	AA	INTERGENIC		
SNP_43455B_44094	scaffold271	NW_004515792.1	44094	GG	TT	TT	NON_SYNONYMOUS_CODING	101511304	uncharacterized LOC101511304
SNP_43457B_61483	scaffold271	NW_004515792.1	61483	AA	GG	GG	INTERGENIC		
SNP_43458B_96049	scaffold271	NW_004515792.1	96049	GG	TT	TT	INTERGENIC		
SNP_43459B_204954	scaffold271	NW_004515792.1	204954	GG	AA	AA	INTERGENIC		
SNP_43460B_204988	scaffold271	NW_004515792.1	204988	GG	AA	AA	INTERGENIC		
SNP_43461B_205119	scaffold271	NW_004515792.1	205119	AA	GG	GG	INTERGENIC		
SNP_43462B_205186	scaffold271	NW_004515792.1	205186	GG	CC	CC	INTERGENIC		
SNP_43463B_205308	scaffold271	NW_004515792.1	205308	GG	AA	AA	INTERGENIC		
SNP_43464B_205688	scaffold271	NW_004515792.1	205688	AA	GG	GG	INTERGENIC		
SNP_43466B_205984	scaffold271	NW_004515792.1	205984	CC	TT	TT	INTERGENIC		
SNP_43468B_276872	scaffold271	NW_004515792.1	276872	GG	AA	AA	URR	101511953	uncharacterized LOC101511953
SNP_43469B_277292	scaffold271	NW_004515792.1	277292	GG	AA	AA	URR	101511953	uncharacterized LOC101511953
SNP_43470B_48835	scaffold273	NW_004515793.1	48835	AA	GG	GG	INTERGENIC		
SNP_43471B_50452	scaffold273	NW_004515793.1	50452	AA	GG	GG	INTERGENIC		
SNP_43472B_65451	scaffold273	NW_004515793.1	65451	AA	TT	TT	INTERGENIC		
SNP_43473B_83263	scaffold273	NW_004515793.1	83263	TT	CC	CC	INTERGENIC		
SNP_43474B_83266	scaffold273	NW_004515793.1	83266	AA	GG	GG	INTERGENIC		
SNP_43477B_103969	scaffold273	NW_004515793.1	103969	AA	GG	GG	INTERGENIC		
SNP_43479B_144467	scaffold273	NW_004515793.1	144467	CC	TT	TT	INTERGENIC		
SNP_43480B_144576	scaffold273	NW_004515793.1	144576	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43481B_190296	scaffold273	NW_004515793.1	190296	AA	GG	GG	DRR	101410558	transfer RNA methionine (anticodon CAU)
SNP_43482B_190348	scaffold273	NW_004515793.1	190348	AA	GG	GG	DRR	101410558	transfer RNA methionine (anticodon CAU)
SNP_43483B_190438	scaffold273	NW_004515793.1	190438	TT	CC	CC	DRR	101410558	transfer RNA methionine (anticodon CAU)
SNP_43484B_190486	scaffold273	NW_004515793.1	190486	CC	TT	TT	DRR	101410558	transfer RNA methionine (anticodon CAU)
SNP_43485B_190564	scaffold273	NW_004515793.1	190564	AA	CC	CC	DRR	101410558	transfer RNA methionine (anticodon CAU)
SNP_43486B_190683	scaffold273	NW_004515793.1	190683	GG	TT	TT	DRR	101410558	transfer RNA methionine (anticodon CAU)
SNP_43487B_190691	scaffold273	NW_004515793.1	190691	TT	CC	CC	DRR	101410558	transfer RNA methionine (anticodon CAU)
SNP_43488B_190765	scaffold273	NW_004515793.1	190765	AA	GG	GG	DRR	101410558	transfer RNA methionine (anticodon CAU)
SNP_43489B_190882	scaffold273	NW_004515793.1	190882	TT	CC	CC	DRR	101410558	transfer RNA methionine (anticodon CAU)
SNP_43490B_190905	scaffold273	NW_004515793.1	190905	TT	CC	CC	DRR	101410558	transfer RNA methionine (anticodon CAU)
SNP_43491B_190949	scaffold273	NW_004515793.1	190949	TT	GG	GG	DRR	101410558	transfer RNA methionine (anticodon CAU)
SNP_43492B_191739	scaffold273	NW_004515793.1	191739	TT	CC	CC	URR	101410558	transfer RNA methionine (anticodon CAU)
SNP_43493B_191750	scaffold273	NW_004515793.1	191750	GG	CC	CC	URR	101410558	transfer RNA methionine (anticodon CAU)
SNP_43494B_191760	scaffold273	NW_004515793.1	191760	AA	GG	GG	URR	101410558	transfer RNA methionine (anticodon CAU)
SNP_43496B_191857	scaffold273	NW_004515793.1	191857	AA	GG	GG	URR	101410558	transfer RNA methionine (anticodon CAU)
SNP_43497B_191858	scaffold273	NW_004515793.1	191858	CC	TT	TT	URR	101410558	transfer RNA methionine (anticodon CAU)
SNP_43498B_191870	scaffold273	NW_004515793.1	191870	TT	CC	CC	URR	101410558	transfer RNA methionine (anticodon CAU)
SNP_43499B_209680	scaffold273	NW_004515793.1	209680	AA	CC	CC	URR	101512919	Unknown function
SNP_43500B_209705	scaffold273	NW_004515793.1	209705	TT	GG	GG	URR	101512919	Unknown function
SNP_43501B_209716	scaffold273	NW_004515793.1	209716	AA	GG	GG	URR	101512919	Unknown function
SNP_43502B_7146	scaffold275	NW_004515794.1	7146	CC	GG	GG	INTERGENIC		
SNP_43503B_7147	scaffold275	NW_004515794.1	7147	AA	GG	GG	INTERGENIC		
SNP_43504B_16140	scaffold275	NW_004515794.1	16140	GG	CC	CC	INTERGENIC		
SNP_43505B_16195	scaffold275	NW_004515794.1	16195	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43506B_59502	scaffold275	NW_004515794.1	59502	GG	AA	AA	INTERGENIC		
SNP_43507B_67385	scaffold275	NW_004515794.1	67385	CC	TT	TT	INTERGENIC		
SNP_43508B_112344	scaffold275	NW_004515794.1	112344	AA	GG	GG	URR	101488267	Unknown function
SNP_43509B_142439	scaffold275	NW_004515794.1	142439	GG	TT	TT	INTERGENIC		
SNP_43510B_143089	scaffold275	NW_004515794.1	143089	AA	TT	TT	INTERGENIC		
SNP_43511B_143172	scaffold275	NW_004515794.1	143172	GG	AA	AA	INTERGENIC		
SNP_43512B_143768	scaffold275	NW_004515794.1	143768	AA	TT	TT	INTERGENIC		
SNP_43513B_143781	scaffold275	NW_004515794.1	143781	TT	CC	CC	INTERGENIC		
SNP_43514B_145819	scaffold275	NW_004515794.1	145819	AA	CC	CC	INTERGENIC		
SNP_43515B_146865	scaffold275	NW_004515794.1	146865	AA	GG	GG	INTERGENIC		
SNP_43516B_147129	scaffold275	NW_004515794.1	147129	TT	AA	AA	INTERGENIC		
SNP_43518B_147189	scaffold275	NW_004515794.1	147189	CC	TT	TT	INTERGENIC		
SNP_43519B_148181	scaffold275	NW_004515794.1	148181	GG	TT	TT	INTERGENIC		
SNP_43520B_148399	scaffold275	NW_004515794.1	148399	AA	GG	GG	INTERGENIC		
SNP_43522B_162171	scaffold275	NW_004515794.1	162171	AA	GG	GG	INTERGENIC		
SNP_43524B_162392	scaffold275	NW_004515794.1	162392	TT	AA	AA	INTERGENIC		
SNP_43525B_162473	scaffold275	NW_004515794.1	162473	TT	AA	AA	INTERGENIC		
SNP_43526B_162551	scaffold275	NW_004515794.1	162551	AA	CC	CC	INTERGENIC		
SNP_43527B_162555	scaffold275	NW_004515794.1	162555	GG	TT	TT	INTERGENIC		
SNP_43528B_162607	scaffold275	NW_004515794.1	162607	TT	AA	AA	INTERGENIC		
SNP_43529B_167269	scaffold275	NW_004515794.1	167269	CC	AA	AA	INTERGENIC		
SNP_43530B_167270	scaffold275	NW_004515794.1	167270	AA	CC	CC	INTERGENIC		
SNP_43531B_167275	scaffold275	NW_004515794.1	167275	AA	CC	CC	INTERGENIC		
SNP_43532B_167511	scaffold275	NW_004515794.1	167511	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43534B_167710	scaffold275	NW_004515794.1	167710	TT	CC	CC	INTERGENIC		
SNP_43535B_167746	scaffold275	NW_004515794.1	167746	GG	TT	TT	INTERGENIC		
SNP_43536B_167806	scaffold275	NW_004515794.1	167806	TT	GG	GG	INTERGENIC		
SNP_43537B_208768	scaffold275	NW_004515794.1	208768	AA	GG	GG	INTERGENIC		
SNP_43538B_208793	scaffold275	NW_004515794.1	208793	CC	GG	GG	INTERGENIC		
SNP_43539B_226090	scaffold275	NW_004515794.1	226090	AA	CC	CC	INTERGENIC		
SNP_43540B_226155	scaffold275	NW_004515794.1	226155	CC	TT	TT	INTERGENIC		
SNP_43541B_294527	scaffold275	NW_004515794.1	294527	GG	TT	TT	INTERGENIC		
SNP_43542B_316525	scaffold275	NW_004515794.1	316525	TT	GG	GG	INTERGENIC		
SNP_43546B_403851	scaffold275	NW_004515794.1	403851	TT	CC	CC	INTERGENIC		
SNP_43547B_405066	scaffold275	NW_004515794.1	405066	TT	AA	AA	INTERGENIC		
SNP_43548B_405116	scaffold275	NW_004515794.1	405116	TT	CC	CC	INTERGENIC		
SNP_43549B_405254	scaffold275	NW_004515794.1	405254	AA	CC	CC	INTERGENIC		
SNP_43550B_405263	scaffold275	NW_004515794.1	405263	AA	GG	GG	INTERGENIC		
SNP_43551B_405272	scaffold275	NW_004515794.1	405272	AA	CC	CC	INTERGENIC		
SNP_43552B_405290	scaffold275	NW_004515794.1	405290	CC	TT	TT	INTERGENIC		
SNP_43553B_405291	scaffold275	NW_004515794.1	405291	GG	TT	TT	INTERGENIC		
SNP_43554B_405294	scaffold275	NW_004515794.1	405294	TT	GG	GG	INTERGENIC		
SNP_43555B_405317	scaffold275	NW_004515794.1	405317	CC	TT	TT	INTERGENIC		
SNP_43556B_405320	scaffold275	NW_004515794.1	405320	TT	CC	CC	INTERGENIC		
SNP_43557B_405349	scaffold275	NW_004515794.1	405349	AA	GG	GG	INTERGENIC		
SNP_43558B_448419	scaffold275	NW_004515794.1	448419	GG	AA	AA	INTERGENIC		
SNP_43559B_458243	scaffold275	NW_004515794.1	458243	CC	TT	TT	INTERGENIC		
SNP_43560B_491336	scaffold275	NW_004515794.1	491336	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43561B_491337	scaffold275	NW_004515794.1	491337	CC	AA	AA	INTERGENIC		
SNP_43562B_491432	scaffold275	NW_004515794.1	491432	CC	TT	TT	INTERGENIC		
SNP_43564B_492057	scaffold275	NW_004515794.1	492057	GG	AA	AA	INTERGENIC		
SNP_43565B_492234	scaffold275	NW_004515794.1	492234	CC	AA	AA	INTERGENIC		
SNP_43566B_492290	scaffold275	NW_004515794.1	492290	TT	AA	AA	INTERGENIC		
SNP_43567B_546709	scaffold275	NW_004515794.1	546709	TT	GG	GG	INTRON	101514229	activating signal cointegrator 1 complex subunit 3
SNP_43568B_546901	scaffold275	NW_004515794.1	546901	TT	CC	CC	INTRON	101514229	activating signal cointegrator 1 complex subunit 3
SNP_43569B_607272	scaffold275	NW_004515794.1	607272	TT	CC	CC	INTERGENIC		
SNP_43570B_607336	scaffold275	NW_004515794.1	607336	AA	GG	GG	INTERGENIC		
SNP_43571B_607341	scaffold275	NW_004515794.1	607341	GG	TT	TT	INTERGENIC		
SNP_43572B_624306	scaffold275	NW_004515794.1	624306	TT	AA	AA	INTERGENIC		
SNP_43573B_647956	scaffold275	NW_004515794.1	647956	TT	AA	AA	INTERGENIC		
SNP_43574B_649140	scaffold275	NW_004515794.1	649140	TT	CC	CC	INTERGENIC		
SNP_43575B_656871	scaffold275	NW_004515794.1	656871	GG	TT	TT	INTERGENIC		
SNP_43576B_681340	scaffold275	NW_004515794.1	681340	TT	CC	CC	INTERGENIC		
SNP_43577B_717803	scaffold275	NW_004515794.1	717803	CC	AA	AA	INTERGENIC		
SNP_43578B_749219	scaffold275	NW_004515794.1	749219	GG	AA	AA	INTERGENIC		
SNP_43579B_749222	scaffold275	NW_004515794.1	749222	TT	GG	GG	INTERGENIC		
SNP_43580B_797916	scaffold275	NW_004515794.1	797916	AA	TT	TT	INTERGENIC		
SNP_43581B_798221	scaffold275	NW_004515794.1	798221	AA	GG	GG	INTERGENIC		
SNP_43582B_812186	scaffold275	NW_004515794.1	812186	GG	AA	AA	INTERGENIC		
SNP_43583B_812275	scaffold275	NW_004515794.1	812275	GG	AA	AA	INTERGENIC		
SNP_43584B_812608	scaffold275	NW_004515794.1	812608	CC	TT	TT	INTERGENIC		
SNP_43585B_812688	scaffold275	NW_004515794.1	812688	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43586B_813626	scaffold275	NW_004515794.1	813626	CC	AA	AA	INTERGENIC		
SNP_43587B_813761	scaffold275	NW_004515794.1	813761	CC	AA	AA	INTERGENIC		
SNP_43588B_813787	scaffold275	NW_004515794.1	813787	GG	CC	CC	INTERGENIC		
SNP_43589B_1174	scaffold276	NW_004515795.1	1174	TT	GG	GG	INTERGENIC		
SNP_43590B_21571	scaffold276	NW_004515795.1	21571	TT	CC	CC	INTERGENIC		
SNP_43591B_21827	scaffold276	NW_004515795.1	21827	AA	GG	GG	INTERGENIC		
SNP_43592B_21847	scaffold276	NW_004515795.1	21847	AA	GG	GG	INTERGENIC		
SNP_43593B_53125	scaffold276	NW_004515795.1	53125	AA	CC	CC	INTERGENIC		
SNP_43594B_53418	scaffold276	NW_004515795.1	53418	CC	TT	TT	INTERGENIC		
SNP_43595B_483	scaffold277	NW_004515796.1	483	GG	TT	TT	INTERGENIC		
SNP_43596B_642	scaffold277	NW_004515796.1	642	GG	AA	AA	INTERGENIC		
SNP_43597B_675	scaffold277	NW_004515796.1	675	GG	TT	TT	DRR	101492840	sugar transport protein 10-like
SNP_43598B_729	scaffold277	NW_004515796.1	729	CC	TT	TT	DRR	101492840	sugar transport protein 10-like
SNP_43599B_823	scaffold277	NW_004515796.1	823	TT	GG	GG	DRR	101492840	sugar transport protein 10-like
SNP_43600B_873	scaffold277	NW_004515796.1	873	AA	GG	GG	DRR	101492840	sugar transport protein 10-like
SNP_43601B_879	scaffold277	NW_004515796.1	879	AA	GG	GG	DRR	101492840	sugar transport protein 10-like
SNP_43602B_975	scaffold277	NW_004515796.1	975	TT	CC	CC	DRR	101492840	sugar transport protein 10-like
SNP_43603B_1486	scaffold277	NW_004515796.1	1486	GG	AA	AA	DRR	101492840	sugar transport protein 10-like
SNP_43604B_1514	scaffold277	NW_004515796.1	1514	TT	CC	CC	DRR	101492840	sugar transport protein 10-like
SNP_43605B_1596	scaffold277	NW_004515796.1	1596	AA	CC	CC	DRR	101492840	sugar transport protein 10-like
SNP_43606B_3750	scaffold277	NW_004515796.1	3750	AA	GG	GG	URR	101492840	sugar transport protein 10-like
SNP_43607B_4322	scaffold277	NW_004515796.1	4322	AA	GG	GG	URR	101492840	sugar transport protein 10-like
SNP_43609B_4504	scaffold277	NW_004515796.1	4504	GG	AA	AA	URR	101492840	sugar transport protein 10-like
SNP_43610B_4612	scaffold277	NW_004515796.1	4612	AA	TT	TT	URR	101492840	sugar transport protein 10-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43612B_4929	scaffold277	NW_004515796.1	4929	CC	GG	GG	URR	101492840	sugar transport protein 10-like
SNP_43613B_5231	scaffold277	NW_004515796.1	5231	CC	GG	GG	URR	101492840	sugar transport protein 10-like
SNP_43614B_5290	scaffold277	NW_004515796.1	5290	AA	GG	GG	URR	101492840	sugar transport protein 10-like
SNP_43615B_5326	scaffold277	NW_004515796.1	5326	GG	AA	AA	URR	101492840	sugar transport protein 10-like
SNP_43616B_5363	scaffold277	NW_004515796.1	5363	AA	TT	TT	URR	101492840	sugar transport protein 10-like
SNP_43617B_5367	scaffold277	NW_004515796.1	5367	AA	TT	TT	URR	101492840	sugar transport protein 10-like
SNP_43618B_5419	scaffold277	NW_004515796.1	5419	TT	CC	CC	INTERGENIC		
SNP_43619B_5502	scaffold277	NW_004515796.1	5502	GG	AA	AA	INTERGENIC		
SNP_43620B_5579	scaffold277	NW_004515796.1	5579	TT	CC	CC	INTERGENIC		
SNP_43621B_60497	scaffold277	NW_004515796.1	60497	TT	CC	CC	INTERGENIC		
SNP_43622B_79398	scaffold277	NW_004515796.1	79398	GG	AA	AA	INTERGENIC		
SNP_43623B_79559	scaffold277	NW_004515796.1	79559	GG	TT	TT	INTERGENIC		
SNP_43624B_79999	scaffold277	NW_004515796.1	79999	AA	GG	GG	INTERGENIC		
SNP_43625B_132391	scaffold277	NW_004515796.1	132391	TT	CC	CC	INTERGENIC		
SNP_43626B_165709	scaffold277	NW_004515796.1	165709	CC	AA	AA	INTERGENIC		
SNP_43627B_165750	scaffold277	NW_004515796.1	165750	GG	TT	TT	INTERGENIC		
SNP_43628B_165825	scaffold277	NW_004515796.1	165825	GG	TT	TT	INTERGENIC		
SNP_43629B_165979	scaffold277	NW_004515796.1	165979	TT	GG	GG	INTERGENIC		
SNP_43630B_168587	scaffold277	NW_004515796.1	168587	TT	AA	AA	INTERGENIC		
SNP_43632B_185172	scaffold277	NW_004515796.1	185172	AA	GG	GG	INTERGENIC		
SNP_43633B_185183	scaffold277	NW_004515796.1	185183	TT	GG	GG	INTERGENIC		
SNP_43634B_188835	scaffold277	NW_004515796.1	188835	CC	AA	AA	INTERGENIC		
SNP_43635B_189067	scaffold277	NW_004515796.1	189067	GG	AA	AA	INTERGENIC		
SNP_43636B_189127	scaffold277	NW_004515796.1	189127	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43637B_189170	scaffold277	NW_004515796.1	189170	GG	AA	AA	INTERGENIC		
SNP_43638B_201866	scaffold277	NW_004515796.1	201866	CC	TT	TT	INTERGENIC		
SNP_43639B_201940	scaffold277	NW_004515796.1	201940	AA	GG	GG	INTERGENIC		
SNP_43640B_202226	scaffold277	NW_004515796.1	202226	GG	AA	AA	INTERGENIC		
SNP_43641B_202464	scaffold277	NW_004515796.1	202464	CC	TT	TT	INTERGENIC		
SNP_43642B_202501	scaffold277	NW_004515796.1	202501	TT	GG	GG	INTERGENIC		
SNP_43643B_202502	scaffold277	NW_004515796.1	202502	GG	AA	AA	INTERGENIC		
SNP_43644B_202504	scaffold277	NW_004515796.1	202504	CC	TT	TT	INTERGENIC		
SNP_43645B_202539	scaffold277	NW_004515796.1	202539	AA	GG	GG	INTERGENIC		
SNP_43646B_202794	scaffold277	NW_004515796.1	202794	GG	AA	AA	INTERGENIC		
SNP_43647B_202796	scaffold277	NW_004515796.1	202796	AA	GG	GG	INTERGENIC		
SNP_43648B_202812	scaffold277	NW_004515796.1	202812	AA	GG	GG	INTERGENIC		
SNP_43649B_202839	scaffold277	NW_004515796.1	202839	AA	GG	GG	INTERGENIC		
SNP_43650B_205116	scaffold277	NW_004515796.1	205116	TT	CC	CC	INTERGENIC		
SNP_43651B_205166	scaffold277	NW_004515796.1	205166	GG	TT	TT	INTERGENIC		
SNP_43652B_205179	scaffold277	NW_004515796.1	205179	AA	GG	GG	INTERGENIC		
SNP_43653B_205331	scaffold277	NW_004515796.1	205331	TT	CC	CC	INTERGENIC		
SNP_43654B_205337	scaffold277	NW_004515796.1	205337	TT	CC	CC	INTERGENIC		
SNP_43655B_205353	scaffold277	NW_004515796.1	205353	CC	TT	TT	INTERGENIC		
SNP_43656B_205416	scaffold277	NW_004515796.1	205416	TT	CC	CC	INTERGENIC		
SNP_43658B_218538	scaffold277	NW_004515796.1	218538	AA	CC	CC	INTERGENIC		
SNP_43659B_218582	scaffold277	NW_004515796.1	218582	AA	GG	GG	INTERGENIC		
SNP_43660B_218598	scaffold277	NW_004515796.1	218598	AA	TT	TT	INTERGENIC		
SNP_43661B_218762	scaffold277	NW_004515796.1	218762	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43662B_219186	scaffold277	NW_004515796.1	219186	AA	CC	CC	INTERGENIC		
SNP_43663B_229512	scaffold277	NW_004515796.1	229512	CC	TT	TT	INTERGENIC		
SNP_43664B_247438	scaffold277	NW_004515796.1	247438	AA	TT	TT	INTERGENIC		
SNP_43665B_247474	scaffold277	NW_004515796.1	247474	CC	AA	AA	INTERGENIC		
SNP_43666B_247483	scaffold277	NW_004515796.1	247483	GG	TT	TT	INTERGENIC		
SNP_43667B_252022	scaffold277	NW_004515796.1	252022	TT	CC	CC	INTERGENIC		
SNP_43668B_252147	scaffold277	NW_004515796.1	252147	TT	AA	AA	INTERGENIC		
SNP_43669B_252220	scaffold277	NW_004515796.1	252220	CC	AA	AA	INTERGENIC		
SNP_43670B_252352	scaffold277	NW_004515796.1	252352	AA	GG	GG	INTERGENIC		
SNP_43672B_252496	scaffold277	NW_004515796.1	252496	AA	GG	GG	INTERGENIC		
SNP_43673B_523	scaffold280	NW_004515797.1	523	GG	TT	TT	INTERGENIC		
SNP_43674B_4903	scaffold280	NW_004515797.1	4903	AA	TT	TT	INTERGENIC		
SNP_43675B_5203	scaffold280	NW_004515797.1	5203	CC	AA	AA	INTERGENIC		
SNP_43676B_6449	scaffold280	NW_004515797.1	6449	CC	TT	TT	INTERGENIC		
SNP_43677B_10581	scaffold280	NW_004515797.1	10581	AA	CC	CC	INTERGENIC		
SNP_43678B_10664	scaffold280	NW_004515797.1	10664	TT	CC	CC	INTERGENIC		
SNP_43679B_15044	scaffold280	NW_004515797.1	15044	AA	CC	CC	INTERGENIC		
SNP_43680B_15581	scaffold280	NW_004515797.1	15581	CC	AA	AA	INTERGENIC		
SNP_43681B_17697	scaffold280	NW_004515797.1	17697	TT	GG	GG	INTERGENIC		
SNP_43682B_17755	scaffold280	NW_004515797.1	17755	AA	GG	GG	INTERGENIC		
SNP_43683B_17976	scaffold280	NW_004515797.1	17976	CC	AA	AA	INTERGENIC		
SNP_43684B_17984	scaffold280	NW_004515797.1	17984	AA	GG	GG	INTERGENIC		
SNP_43685B_23337	scaffold280	NW_004515797.1	23337	GG	AA	AA	INTERGENIC		
SNP_43686B_35056	scaffold280	NW_004515797.1	35056	AA	GG	GG	URR	101495419	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43687B_35138	scaffold280	NW_004515797.1	35138	GG	AA	AA	URR	101495419	Unknown function
SNP_43688B_35318	scaffold280	NW_004515797.1	35318	AA	TT	TT	INTERGENIC		
SNP_43690B_61287	scaffold280	NW_004515797.1	61287	AA	CC	CC	INTERGENIC		
SNP_43691B_61291	scaffold280	NW_004515797.1	61291	TT	CC	CC	INTERGENIC		
SNP_43692B_61294	scaffold280	NW_004515797.1	61294	AA	TT	TT	INTERGENIC		
SNP_43693B_62526	scaffold280	NW_004515797.1	62526	CC	AA	AA	INTERGENIC		
SNP_43694B_73675	scaffold280	NW_004515797.1	73675	GG	CC	CC	INTERGENIC		
SNP_43695B_73740	scaffold280	NW_004515797.1	73740	CC	TT	TT	INTERGENIC		
SNP_43696B_73775	scaffold280	NW_004515797.1	73775	TT	CC	CC	INTERGENIC		
SNP_43697B_74198	scaffold280	NW_004515797.1	74198	TT	CC	CC	INTERGENIC		
SNP_43698B_74205	scaffold280	NW_004515797.1	74205	TT	CC	CC	INTERGENIC		
SNP_43699B_74222	scaffold280	NW_004515797.1	74222	CC	AA	AA	INTERGENIC		
SNP_43700B_74232	scaffold280	NW_004515797.1	74232	AA	GG	GG	INTERGENIC		
SNP_43701B_74248	scaffold280	NW_004515797.1	74248	TT	CC	CC	INTERGENIC		
SNP_43702B_83350	scaffold280	NW_004515797.1	83350	CC	AA	AA	INTERGENIC		
SNP_43703B_83355	scaffold280	NW_004515797.1	83355	TT	AA	AA	INTERGENIC		
SNP_43704B_83437	scaffold280	NW_004515797.1	83437	AA	CC	CC	INTERGENIC		
SNP_43705B_93852	scaffold280	NW_004515797.1	93852	CC	TT	TT	INTERGENIC		
SNP_43706B_97959	scaffold280	NW_004515797.1	97959	TT	GG	GG	NON_SYNONYMOUS_CODING	101494761	uncharacterized LOC101494761
SNP_43707B_97995	scaffold280	NW_004515797.1	97995	TT	CC	CC	INTRON	101494761	uncharacterized LOC101494761
SNP_43708B_98554	scaffold280	NW_004515797.1	98554	AA	GG	GG	SYNONYMOUS_CODING	101494761	uncharacterized LOC101494761
SNP_43709B_105598	scaffold280	NW_004515797.1	105598	TT	CC	CC	INTERGENIC		
SNP_43710B_105602	scaffold280	NW_004515797.1	105602	AA	GG	GG	INTERGENIC		
SNP_43711B_106204	scaffold280	NW_004515797.1	106204	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43712B_106224	scaffold280	NW_004515797.1	106224	AA	GG	GG	INTERGENIC		
SNP_43713B_106241	scaffold280	NW_004515797.1	106241	AA	GG	GG	INTERGENIC		
SNP_43714B_106581	scaffold280	NW_004515797.1	106581	TT	CC	CC	INTERGENIC		
SNP_43716B_107588	scaffold280	NW_004515797.1	107588	AA	GG	GG	INTERGENIC		
SNP_43717B_107713	scaffold280	NW_004515797.1	107713	TT	GG	GG	INTERGENIC		
SNP_43718B_107734	scaffold280	NW_004515797.1	107734	AA	CC	CC	INTERGENIC		
SNP_43719B_107758	scaffold280	NW_004515797.1	107758	AA	GG	GG	INTERGENIC		
SNP_43720B_107794	scaffold280	NW_004515797.1	107794	TT	CC	CC	INTERGENIC		
SNP_43721B_107965	scaffold280	NW_004515797.1	107965	AA	CC	CC	INTERGENIC		
SNP_43722B_107979	scaffold280	NW_004515797.1	107979	TT	GG	GG	INTERGENIC		
SNP_43723B_108030	scaffold280	NW_004515797.1	108030	AA	TT	TT	INTERGENIC		
SNP_43724B_108043	scaffold280	NW_004515797.1	108043	AA	GG	GG	INTERGENIC		
SNP_43725B_108048	scaffold280	NW_004515797.1	108048	AA	CC	CC	INTERGENIC		
SNP_43726B_108109	scaffold280	NW_004515797.1	108109	AA	GG	GG	INTERGENIC		
SNP_43727B_108185	scaffold280	NW_004515797.1	108185	GG	CC	CC	INTERGENIC		
SNP_43728B_108212	scaffold280	NW_004515797.1	108212	TT	CC	CC	INTERGENIC		
SNP_43729B_110262	scaffold280	NW_004515797.1	110262	AA	GG	GG	NON_SYNONYMOUS_CODING	101495089	Unknown function
SNP_43730B_110356	scaffold280	NW_004515797.1	110356	TT	CC	CC	SYNONYMOUS_CODING	101495089	Unknown function
SNP_43731B_112047	scaffold280	NW_004515797.1	112047	AA	GG	GG	URR	101495089	Unknown function
SNP_43732B_112072	scaffold280	NW_004515797.1	112072	CC	AA	AA	URR	101495089	Unknown function
SNP_43733B_112145	scaffold280	NW_004515797.1	112145	AA	GG	GG	URR	101495089	Unknown function
SNP_43734B_113381	scaffold280	NW_004515797.1	113381	AA	TT	TT	URR	101495089	Unknown function
SNP_43735B_113385	scaffold280	NW_004515797.1	113385	TT	GG	GG	URR	101495089	Unknown function
SNP_43736B_113428	scaffold280	NW_004515797.1	113428	GG	TT	TT	URR	101495089	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43737B_113440	scaffold280	NW_004515797.1	113440	TT	GG	GG	URR	101495089	Unknown function
SNP_43738B_113463	scaffold280	NW_004515797.1	113463	AA	GG	GG	URR	101495089	Unknown function
SNP_43739B_113514	scaffold280	NW_004515797.1	113514	TT	GG	GG	URR	101495089	Unknown function
SNP_43740B_113527	scaffold280	NW_004515797.1	113527	AA	CC	CC	URR	101495089	Unknown function
SNP_43741B_113567	scaffold280	NW_004515797.1	113567	CC	GG	GG	INTERGENIC		
SNP_43742B_113783	scaffold280	NW_004515797.1	113783	AA	GG	GG	INTERGENIC		
SNP_43743B_113826	scaffold280	NW_004515797.1	113826	AA	GG	GG	INTERGENIC		
SNP_43744B_113883	scaffold280	NW_004515797.1	113883	AA	GG	GG	INTERGENIC		
SNP_43745B_114036	scaffold280	NW_004515797.1	114036	AA	GG	GG	INTERGENIC		
SNP_43746B_114122	scaffold280	NW_004515797.1	114122	GG	TT	TT	INTERGENIC		
SNP_43747B_114134	scaffold280	NW_004515797.1	114134	CC	GG	GG	INTERGENIC		
SNP_43748B_114202	scaffold280	NW_004515797.1	114202	AA	GG	GG	INTERGENIC		
SNP_43749B_114840	scaffold280	NW_004515797.1	114840	AA	GG	GG	INTERGENIC		
SNP_43750B_114882	scaffold280	NW_004515797.1	114882	TT	CC	CC	INTERGENIC		
SNP_43751B_114920	scaffold280	NW_004515797.1	114920	TT	CC	CC	INTERGENIC		
SNP_43752B_116800	scaffold280	NW_004515797.1	116800	TT	CC	CC	DRR	101410595	transfer RNA tryptophan (anticodon CCA)
SNP_43753B_116803	scaffold280	NW_004515797.1	116803	AA	GG	GG	DRR	101410595	transfer RNA tryptophan (anticodon CCA)
SNP_43754B_116899	scaffold280	NW_004515797.1	116899	AA	CC	CC	DRR	101410595	transfer RNA tryptophan (anticodon CCA)
SNP_43755B_116904	scaffold280	NW_004515797.1	116904	TT	CC	CC	DRR	101410595	transfer RNA tryptophan (anticodon CCA)
SNP_43756B_116930	scaffold280	NW_004515797.1	116930	AA	GG	GG	DRR	101410595	transfer RNA tryptophan (anticodon CCA)
SNP_43757B_118402	scaffold280	NW_004515797.1	118402	AA	GG	GG	URR	101410595	transfer RNA tryptophan (anticodon CCA)
SNP_43758B_118610	scaffold280	NW_004515797.1	118610	AA	CC	CC	URR	101410595	transfer RNA tryptophan (anticodon CCA)
SNP_43759B_118782	scaffold280	NW_004515797.1	118782	TT	CC	CC	URR	101410595	transfer RNA tryptophan (anticodon CCA)
SNP_43760B_118823	scaffold280	NW_004515797.1	118823	AA	GG	GG	URR	101410595	transfer RNA tryptophan (anticodon CCA)

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43761B_118904	scaffold280	NW_004515797.1	118904	TT	CC	CC	URR	101410595	transfer RNA tryptophan (anticodon CCA)
SNP_43762B_118947	scaffold280	NW_004515797.1	118947	AA	CC	CC	URR	101410595	transfer RNA tryptophan (anticodon CCA)
SNP_43763B_119037	scaffold280	NW_004515797.1	119037	GG	CC	CC	URR	101410595	transfer RNA tryptophan (anticodon CCA)
SNP_43764B_119045	scaffold280	NW_004515797.1	119045	AA	GG	GG	URR	101410595	transfer RNA tryptophan (anticodon CCA)
SNP_43765B_119079	scaffold280	NW_004515797.1	119079	TT	GG	GG	URR	101410595	transfer RNA tryptophan (anticodon CCA)
SNP_43766B_119080	scaffold280	NW_004515797.1	119080	AA	TT	TT	URR	101410595	transfer RNA tryptophan (anticodon CCA)
SNP_43767B_119194	scaffold280	NW_004515797.1	119194	GG	TT	TT	URR	101410595	transfer RNA tryptophan (anticodon CCA)
SNP_43768B_119218	scaffold280	NW_004515797.1	119218	TT	CC	CC	URR	101410595	transfer RNA tryptophan (anticodon CCA)
SNP_43769B_119247	scaffold280	NW_004515797.1	119247	AA	CC	CC	URR	101410595	transfer RNA tryptophan (anticodon CCA)
SNP_43770B_119310	scaffold280	NW_004515797.1	119310	AA	CC	CC	URR	101410595	transfer RNA tryptophan (anticodon CCA)
SNP_43771B_119320	scaffold280	NW_004515797.1	119320	TT	CC	CC	URR	101410595	transfer RNA tryptophan (anticodon CCA)
SNP_43772B_119333	scaffold280	NW_004515797.1	119333	CC	TT	TT	URR	101410595	transfer RNA tryptophan (anticodon CCA)
SNP_43773B_119412	scaffold280	NW_004515797.1	119412	AA	CC	CC	URR	101410595	transfer RNA tryptophan (anticodon CCA)
SNP_43774B_119422	scaffold280	NW_004515797.1	119422	AA	GG	GG	URR	101410595	transfer RNA tryptophan (anticodon CCA)
SNP_43775B_128684	scaffold280	NW_004515797.1	128684	AA	CC	CC	INTERGENIC		
SNP_43777B_138786	scaffold280	NW_004515797.1	138786	TT	GG	GG	INTERGENIC		
SNP_43778B_138940	scaffold280	NW_004515797.1	138940	TT	GG	GG	INTERGENIC		
SNP_43779B_159956	scaffold280	NW_004515797.1	159956	TT	AA	AA	INTERGENIC		
SNP_43780B_159980	scaffold280	NW_004515797.1	159980	CC	AA	AA	INTERGENIC		
SNP_43781B_160335	scaffold280	NW_004515797.1	160335	GG	AA	AA	INTERGENIC		
SNP_43782B_166230	scaffold280	NW_004515797.1	166230	CC	TT	TT	INTERGENIC		
SNP_43783B_166308	scaffold280	NW_004515797.1	166308	CC	AA	AA	INTERGENIC		
SNP_43784B_166500	scaffold280	NW_004515797.1	166500	GG	AA	AA	INTERGENIC		
SNP_43785B_166547	scaffold280	NW_004515797.1	166547	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43786B_166564	scaffold280	NW_004515797.1	166564	AA	TT	TT	INTERGENIC		
SNP_43787B_166664	scaffold280	NW_004515797.1	166664	AA	CC	CC	INTERGENIC		
SNP_43788B_177855	scaffold280	NW_004515797.1	177855	TT	CC	CC	INTERGENIC		
SNP_43789B_177856	scaffold280	NW_004515797.1	177856	AA	CC	CC	INTERGENIC		
SNP_43790B_206063	scaffold280	NW_004515797.1	206063	AA	GG	GG	INTERGENIC		
SNP_43791B_206136	scaffold280	NW_004515797.1	206136	CC	GG	GG	INTERGENIC		
SNP_43792B_206234	scaffold280	NW_004515797.1	206234	TT	CC	CC	INTERGENIC		
SNP_43793B_225989	scaffold280	NW_004515797.1	225989	TT	GG	GG	INTERGENIC		
SNP_43794B_240018	scaffold280	NW_004515797.1	240018	CC	AA	AA	INTERGENIC		
SNP_43795B_240106	scaffold280	NW_004515797.1	240106	AA	GG	GG	INTERGENIC		
SNP_43796B_240143	scaffold280	NW_004515797.1	240143	TT	CC	CC	INTERGENIC		
SNP_43797B_240144	scaffold280	NW_004515797.1	240144	GG	AA	AA	INTERGENIC		
SNP_43798B_294604	scaffold280	NW_004515797.1	294604	CC	TT	TT	INTERGENIC		
SNP_43800B_302201	scaffold280	NW_004515797.1	302201	GG	AA	AA	INTERGENIC		
SNP_43801B_302535	scaffold280	NW_004515797.1	302535	AA	CC	CC	INTERGENIC		
SNP_43802B_305277	scaffold280	NW_004515797.1	305277	TT	CC	CC	INTERGENIC		
SNP_43803B_319573	scaffold280	NW_004515797.1	319573	TT	GG	GG	INTERGENIC		
SNP_43804B_319835	scaffold280	NW_004515797.1	319835	TT	GG	GG	INTERGENIC		
SNP_43806B_320022	scaffold280	NW_004515797.1	320022	TT	AA	AA	INTERGENIC		
SNP_43807B_320172	scaffold280	NW_004515797.1	320172	TT	CC	CC	INTERGENIC		
SNP_43808B_324390	scaffold280	NW_004515797.1	324390	TT	GG	GG	INTERGENIC		
SNP_43809B_324426	scaffold280	NW_004515797.1	324426	CC	TT	TT	INTERGENIC		
SNP_43810B_324466	scaffold280	NW_004515797.1	324466	AA	CC	CC	INTERGENIC		
SNP_43811B_324472	scaffold280	NW_004515797.1	324472	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43812B_335237	scaffold280	NW_004515797.1	335237	TT	CC	CC	INTERGENIC		
SNP_43813B_352432	scaffold280	NW_004515797.1	352432	CC	AA	AA	INTERGENIC		
SNP_43814B_352450	scaffold280	NW_004515797.1	352450	TT	CC	CC	INTERGENIC		
SNP_43815B_352542	scaffold280	NW_004515797.1	352542	TT	CC	CC	INTERGENIC		
SNP_43816B_373494	scaffold280	NW_004515797.1	373494	GG	AA	AA	URR	101495750	Unknown function
SNP_43817B_373604	scaffold280	NW_004515797.1	373604	GG	TT	TT	URR	101495750	Unknown function
SNP_43818B_373644	scaffold280	NW_004515797.1	373644	TT	CC	CC	URR	101495750	Unknown function
SNP_43819B_373926	scaffold280	NW_004515797.1	373926	CC	TT	TT	URR	101495750	Unknown function
SNP_43820B_373945	scaffold280	NW_004515797.1	373945	AA	CC	CC	URR	101495750	Unknown function
SNP_43821B_373950	scaffold280	NW_004515797.1	373950	GG	AA	AA	URR	101495750	Unknown function
SNP_43822B_374646	scaffold280	NW_004515797.1	374646	AA	GG	GG	INTERGENIC		
SNP_43823B_374811	scaffold280	NW_004515797.1	374811	AA	GG	GG	INTERGENIC		
SNP_43824B_374890	scaffold280	NW_004515797.1	374890	TT	CC	CC	INTERGENIC		
SNP_43825B_375152	scaffold280	NW_004515797.1	375152	AA	GG	GG	INTERGENIC		
SNP_43826B_378479	scaffold280	NW_004515797.1	378479	GG	AA	AA	INTERGENIC		
SNP_43827B_378651	scaffold280	NW_004515797.1	378651	GG	AA	AA	INTERGENIC		
SNP_43828B_378853	scaffold280	NW_004515797.1	378853	CC	AA	AA	INTERGENIC		
SNP_43829B_378885	scaffold280	NW_004515797.1	378885	TT	AA	AA	INTERGENIC		
SNP_43830B_378934	scaffold280	NW_004515797.1	378934	TT	CC	CC	INTERGENIC		
SNP_43831B_379148	scaffold280	NW_004515797.1	379148	AA	CC	CC	INTERGENIC		
SNP_43832B_379569	scaffold280	NW_004515797.1	379569	AA	GG	GG	INTERGENIC		
SNP_43833B_381835	scaffold280	NW_004515797.1	381835	TT	GG	GG	INTERGENIC		
SNP_43834B_381909	scaffold280	NW_004515797.1	381909	GG	AA	AA	INTERGENIC		
SNP_43835B_382196	scaffold280	NW_004515797.1	382196	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43836B_387229	scaffold280	NW_004515797.1	387229	TT	CC	CC	INTERGENIC		
SNP_43837B_392558	scaffold280	NW_004515797.1	392558	CC	TT	TT	INTERGENIC		
SNP_43838B_626	scaffold281	NW_004515798.1	626	TT	CC	CC	INTERGENIC		
SNP_43839B_629	scaffold281	NW_004515798.1	629	CC	TT	TT	INTERGENIC		
SNP_43840B_699	scaffold281	NW_004515798.1	699	AA	GG	GG	INTERGENIC		
SNP_43841B_739	scaffold281	NW_004515798.1	739	AA	TT	TT	INTERGENIC		
SNP_43842B_791	scaffold281	NW_004515798.1	791	GG	AA	AA	INTERGENIC		
SNP_43843B_793	scaffold281	NW_004515798.1	793	GG	AA	AA	INTERGENIC		
SNP_43844B_802	scaffold281	NW_004515798.1	802	AA	GG	GG	INTERGENIC		
SNP_43845B_817	scaffold281	NW_004515798.1	817	CC	GG	GG	INTERGENIC		
SNP_43846B_857	scaffold281	NW_004515798.1	857	GG	AA	AA	INTERGENIC		
SNP_43847B_910	scaffold281	NW_004515798.1	910	TT	CC	CC	INTERGENIC		
SNP_43848B_930	scaffold281	NW_004515798.1	930	GG	AA	AA	INTERGENIC		
SNP_43849B_1143	scaffold281	NW_004515798.1	1143	AA	GG	GG	INTERGENIC		
SNP_43850B_1170	scaffold281	NW_004515798.1	1170	CC	TT	TT	INTERGENIC		
SNP_43851B_1195	scaffold281	NW_004515798.1	1195	CC	TT	TT	INTERGENIC		
SNP_43852B_1217	scaffold281	NW_004515798.1	1217	GG	TT	TT	INTERGENIC		
SNP_43853B_1251	scaffold281	NW_004515798.1	1251	AA	GG	GG	INTERGENIC		
SNP_43855B_1322	scaffold281	NW_004515798.1	1322	TT	CC	CC	INTERGENIC		
SNP_43858B_1547	scaffold281	NW_004515798.1	1547	TT	CC	CC	INTERGENIC		
SNP_43859B_1575	scaffold281	NW_004515798.1	1575	CC	TT	TT	INTERGENIC		
SNP_43860B_1618	scaffold281	NW_004515798.1	1618	GG	TT	TT	INTERGENIC		
SNP_43861B_1652	scaffold281	NW_004515798.1	1652	TT	AA	AA	INTERGENIC		
SNP_43862B_1653	scaffold281	NW_004515798.1	1653	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43863B_1657	scaffold281	NW_004515798.1	1657	TT	CC	CC	INTERGENIC		
SNP_43864B_1661	scaffold281	NW_004515798.1	1661	TT	CC	CC	INTERGENIC		
SNP_43865B_1711	scaffold281	NW_004515798.1	1711	AA	GG	GG	INTERGENIC		
SNP_43866B_1721	scaffold281	NW_004515798.1	1721	TT	AA	AA	INTERGENIC		
SNP_43867B_1755	scaffold281	NW_004515798.1	1755	CC	TT	TT	INTERGENIC		
SNP_43868B_1775	scaffold281	NW_004515798.1	1775	AA	GG	GG	INTERGENIC		
SNP_43869B_1779	scaffold281	NW_004515798.1	1779	AA	GG	GG	INTERGENIC		
SNP_43870B_1782	scaffold281	NW_004515798.1	1782	GG	AA	AA	INTERGENIC		
SNP_43871B_2138	scaffold281	NW_004515798.1	2138	AA	GG	GG	INTERGENIC		
SNP_43872B_2159	scaffold281	NW_004515798.1	2159	GG	CC	CC	INTERGENIC		
SNP_43874B_2268	scaffold281	NW_004515798.1	2268	CC	TT	TT	INTERGENIC		
SNP_43875B_2273	scaffold281	NW_004515798.1	2273	CC	TT	TT	INTERGENIC		
SNP_43876B_2278	scaffold281	NW_004515798.1	2278	TT	CC	CC	INTERGENIC		
SNP_43877B_2286	scaffold281	NW_004515798.1	2286	AA	TT	TT	INTERGENIC		
SNP_43878B_2622	scaffold281	NW_004515798.1	2622	CC	TT	TT	INTERGENIC		
SNP_43879B_2624	scaffold281	NW_004515798.1	2624	TT	CC	CC	INTERGENIC		
SNP_43880B_2625	scaffold281	NW_004515798.1	2625	TT	GG	GG	INTERGENIC		
SNP_43881B_2831	scaffold281	NW_004515798.1	2831	CC	TT	TT	INTERGENIC		
SNP_43882B_2911	scaffold281	NW_004515798.1	2911	TT	AA	AA	INTERGENIC		
SNP_43883B_2935	scaffold281	NW_004515798.1	2935	GG	TT	TT	INTERGENIC		
SNP_43885B_3034	scaffold281	NW_004515798.1	3034	CC	TT	TT	INTERGENIC		
SNP_43887B_3141	scaffold281	NW_004515798.1	3141	AA	CC	CC	INTERGENIC		
SNP_43888B_3256	scaffold281	NW_004515798.1	3256	TT	CC	CC	INTERGENIC		
SNP_43889B_3274	scaffold281	NW_004515798.1	3274	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43890B_3362	scaffold281	NW_004515798.1	3362	CC	AA	AA	INTERGENIC		
SNP_43892B_3433	scaffold281	NW_004515798.1	3433	TT	AA	AA	INTERGENIC		
SNP_43893B_3439	scaffold281	NW_004515798.1	3439	GG	AA	AA	INTERGENIC		
SNP_43894B_3442	scaffold281	NW_004515798.1	3442	GG	CC	CC	INTERGENIC		
SNP_43895B_3480	scaffold281	NW_004515798.1	3480	CC	GG	GG	INTERGENIC		
SNP_43896B_3510	scaffold281	NW_004515798.1	3510	TT	CC	CC	INTERGENIC		
SNP_43897B_3561	scaffold281	NW_004515798.1	3561	AA	TT	TT	INTERGENIC		
SNP_43898B_3603	scaffold281	NW_004515798.1	3603	AA	GG	GG	INTERGENIC		
SNP_43899B_3648	scaffold281	NW_004515798.1	3648	AA	GG	GG	INTERGENIC		
SNP_43900B_3651	scaffold281	NW_004515798.1	3651	TT	CC	CC	INTERGENIC		
SNP_43901B_3694	scaffold281	NW_004515798.1	3694	TT	CC	CC	INTERGENIC		
SNP_43902B_3719	scaffold281	NW_004515798.1	3719	CC	TT	TT	INTERGENIC		
SNP_43904B_3757	scaffold281	NW_004515798.1	3757	CC	TT	TT	INTERGENIC		
SNP_43905B_3810	scaffold281	NW_004515798.1	3810	GG	CC	CC	INTERGENIC		
SNP_43906B_3880	scaffold281	NW_004515798.1	3880	AA	GG	GG	INTERGENIC		
SNP_43907B_3908	scaffold281	NW_004515798.1	3908	AA	CC	CC	INTERGENIC		
SNP_43908B_4031	scaffold281	NW_004515798.1	4031	AA	CC	CC	INTERGENIC		
SNP_43909B_4093	scaffold281	NW_004515798.1	4093	TT	AA	AA	INTERGENIC		
SNP_43911B_4173	scaffold281	NW_004515798.1	4173	AA	GG	GG	INTERGENIC		
SNP_43913B_4234	scaffold281	NW_004515798.1	4234	TT	CC	CC	INTERGENIC		
SNP_43914B_4248	scaffold281	NW_004515798.1	4248	TT	CC	CC	INTERGENIC		
SNP_43915B_4347	scaffold281	NW_004515798.1	4347	TT	AA	AA	INTERGENIC		
SNP_43916B_4807	scaffold281	NW_004515798.1	4807	GG	TT	TT	INTERGENIC		
SNP_43918B_4976	scaffold281	NW_004515798.1	4976	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43920B_5149	scaffold281	NW_004515798.1	5149	TT	CC	CC	INTERGENIC		
SNP_43921B_5157	scaffold281	NW_004515798.1	5157	CC	TT	TT	INTERGENIC		
SNP_43922B_5168	scaffold281	NW_004515798.1	5168	TT	CC	CC	INTERGENIC		
SNP_43923B_5181	scaffold281	NW_004515798.1	5181	TT	AA	AA	INTERGENIC		
SNP_43924B_5182	scaffold281	NW_004515798.1	5182	AA	CC	CC	INTERGENIC		
SNP_43925B_5199	scaffold281	NW_004515798.1	5199	GG	AA	AA	INTERGENIC		
SNP_43926B_5200	scaffold281	NW_004515798.1	5200	CC	TT	TT	INTERGENIC		
SNP_43927B_5345	scaffold281	NW_004515798.1	5345	TT	CC	CC	INTERGENIC		
SNP_43928B_5362	scaffold281	NW_004515798.1	5362	AA	GG	GG	INTERGENIC		
SNP_43929B_5363	scaffold281	NW_004515798.1	5363	CC	GG	GG	INTERGENIC		
SNP_43930B_5400	scaffold281	NW_004515798.1	5400	GG	CC	CC	INTERGENIC		
SNP_43931B_5401	scaffold281	NW_004515798.1	5401	CC	GG	GG	INTERGENIC		
SNP_43932B_5406	scaffold281	NW_004515798.1	5406	CC	TT	TT	INTERGENIC		
SNP_43933B_6621	scaffold281	NW_004515798.1	6621	CC	GG	GG	INTERGENIC		
SNP_43934B_6999	scaffold281	NW_004515798.1	6999	AA	GG	GG	INTERGENIC		
SNP_43935B_7051	scaffold281	NW_004515798.1	7051	GG	AA	AA	INTERGENIC		
SNP_43936B_8871	scaffold281	NW_004515798.1	8871	GG	AA	AA	INTERGENIC		
SNP_43937B_9266	scaffold281	NW_004515798.1	9266	TT	CC	CC	INTERGENIC		
SNP_43938B_9277	scaffold281	NW_004515798.1	9277	GG	CC	CC	INTERGENIC		
SNP_43939B_9321	scaffold281	NW_004515798.1	9321	CC	AA	AA	INTERGENIC		
SNP_43940B_9337	scaffold281	NW_004515798.1	9337	CC	TT	TT	INTERGENIC		
SNP_43941B_9343	scaffold281	NW_004515798.1	9343	GG	CC	CC	INTERGENIC		
SNP_43942B_9372	scaffold281	NW_004515798.1	9372	TT	CC	CC	INTERGENIC		
SNP_43943B_27037	scaffold281	NW_004515798.1	27037	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43944B_27223	scaffold281	NW_004515798.1	27223	CC	TT	TT	INTERGENIC		
SNP_43946B_27245	scaffold281	NW_004515798.1	27245	AA	GG	GG	INTERGENIC		
SNP_43947B_27248	scaffold281	NW_004515798.1	27248	AA	GG	GG	INTERGENIC		
SNP_43948B_27249	scaffold281	NW_004515798.1	27249	TT	GG	GG	INTERGENIC		
SNP_43949B_27268	scaffold281	NW_004515798.1	27268	AA	GG	GG	INTERGENIC		
SNP_43950B_27314	scaffold281	NW_004515798.1	27314	AA	GG	GG	INTERGENIC		
SNP_43951B_27317	scaffold281	NW_004515798.1	27317	AA	GG	GG	INTERGENIC		
SNP_43952B_27338	scaffold281	NW_004515798.1	27338	AA	GG	GG	INTERGENIC		
SNP_43953B_27349	scaffold281	NW_004515798.1	27349	GG	AA	AA	INTERGENIC		
SNP_43954B_27359	scaffold281	NW_004515798.1	27359	TT	GG	GG	INTERGENIC		
SNP_43955B_27394	scaffold281	NW_004515798.1	27394	AA	TT	TT	INTERGENIC		
SNP_43956B_27396	scaffold281	NW_004515798.1	27396	AA	TT	TT	INTERGENIC		
SNP_43957B_38127	scaffold282	NW_004515799.1	38127	AA	GG	GG	INTERGENIC		
SNP_43958B_38197	scaffold282	NW_004515799.1	38197	TT	GG	GG	INTERGENIC		
SNP_43959B_39573	scaffold282	NW_004515799.1	39573	CC	TT	TT	INTERGENIC		
SNP_43960B_39578	scaffold282	NW_004515799.1	39578	CC	TT	TT	INTERGENIC		
SNP_43961B_39692	scaffold282	NW_004515799.1	39692	GG	AA	AA	INTERGENIC		
SNP_43962B_39717	scaffold282	NW_004515799.1	39717	GG	CC	CC	INTERGENIC		
SNP_43963B_39728	scaffold282	NW_004515799.1	39728	CC	TT	TT	INTERGENIC		
SNP_43964B_39732	scaffold282	NW_004515799.1	39732	GG	CC	CC	INTERGENIC		
SNP_43965B_39921	scaffold282	NW_004515799.1	39921	CC	TT	TT	INTERGENIC		
SNP_43966B_39925	scaffold282	NW_004515799.1	39925	TT	CC	CC	INTERGENIC		
SNP_43967B_39947	scaffold282	NW_004515799.1	39947	GG	AA	AA	INTERGENIC		
SNP_43968B_40119	scaffold282	NW_004515799.1	40119	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43969B_40120	scaffold282	NW_004515799.1	40120	TT	CC	CC	INTERGENIC		
SNP_43970B_40156	scaffold282	NW_004515799.1	40156	AA	GG	GG	INTERGENIC		
SNP_43971B_75311	scaffold282	NW_004515799.1	75311	AA	GG	GG	INTERGENIC		
SNP_43972B_75387	scaffold282	NW_004515799.1	75387	CC	TT	TT	INTERGENIC		
SNP_43973B_2305	scaffold283	NW_004515800.1	2305	CC	AA	AA	INTERGENIC		
SNP_43974B_5429	scaffold283	NW_004515800.1	5429	TT	CC	CC	INTERGENIC		
SNP_43975B_16431	scaffold283	NW_004515800.1	16431	AA	GG	GG	INTERGENIC		
SNP_43976B_16463	scaffold283	NW_004515800.1	16463	GG	CC	CC	INTERGENIC		
SNP_43977B_16513	scaffold283	NW_004515800.1	16513	TT	CC	CC	INTERGENIC		
SNP_43978B_25928	scaffold283	NW_004515800.1	25928	CC	TT	TT	INTERGENIC		
SNP_43979B_26213	scaffold283	NW_004515800.1	26213	GG	TT	TT	INTERGENIC		
SNP_43980B_29440	scaffold283	NW_004515800.1	29440	GG	AA	AA	INTERGENIC		
SNP_43981B_29502	scaffold283	NW_004515800.1	29502	CC	AA	AA	INTERGENIC		
SNP_43982B_29924	scaffold283	NW_004515800.1	29924	AA	GG	GG	INTERGENIC		
SNP_43983B_95255	scaffold283	NW_004515800.1	95255	AA	TT	TT	INTERGENIC		
SNP_43984B_95306	scaffold283	NW_004515800.1	95306	AA	TT	TT	INTERGENIC		
SNP_43985B_95580	scaffold283	NW_004515800.1	95580	TT	AA	AA	INTERGENIC		
SNP_43986B_95602	scaffold283	NW_004515800.1	95602	CC	TT	TT	INTERGENIC		
SNP_43989B_4740	scaffold284	NW_004515801.1	4740	TT	CC	CC	INTERGENIC		
SNP_43990B_4815	scaffold284	NW_004515801.1	4815	CC	GG	GG	INTERGENIC		
SNP_43991B_4950	scaffold284	NW_004515801.1	4950	TT	CC	CC	INTERGENIC		
SNP_43992B_5785	scaffold284	NW_004515801.1	5785	TT	CC	CC	INTERGENIC		
SNP_43993B_6487	scaffold284	NW_004515801.1	6487	AA	GG	GG	INTERGENIC		
SNP_43994B_7270	scaffold284	NW_004515801.1	7270	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_43995B_7600	scaffold284	NW_004515801.1	7600	GG	AA	AA	INTERGENIC		
SNP_43996B_10453	scaffold284	NW_004515801.1	10453	CC	AA	AA	INTERGENIC		
SNP_43997B_10799	scaffold284	NW_004515801.1	10799	GG	AA	AA	INTERGENIC		
SNP_43998B_10820	scaffold284	NW_004515801.1	10820	GG	AA	AA	INTERGENIC		
SNP_43999B_12292	scaffold284	NW_004515801.1	12292	TT	AA	AA	INTERGENIC		
SNP_44000B_12378	scaffold284	NW_004515801.1	12378	CC	AA	AA	INTERGENIC		
SNP_44001B_13103	scaffold284	NW_004515801.1	13103	GG	TT	TT	INTERGENIC		
SNP_44002B_14900	scaffold284	NW_004515801.1	14900	AA	TT	TT	INTERGENIC		
SNP_44003B_15004	scaffold284	NW_004515801.1	15004	GG	TT	TT	INTERGENIC		
SNP_44004B_15536	scaffold284	NW_004515801.1	15536	TT	AA	AA	INTERGENIC		
SNP_44005B_16966	scaffold284	NW_004515801.1	16966	GG	AA	AA	INTERGENIC		
SNP_44006B_17371	scaffold284	NW_004515801.1	17371	CC	TT	TT	INTERGENIC		
SNP_44008B_21742	scaffold284	NW_004515801.1	21742	GG	AA	AA	INTERGENIC		
SNP_44009B_21839	scaffold284	NW_004515801.1	21839	AA	CC	CC	INTERGENIC		
SNP_44010B_21866	scaffold284	NW_004515801.1	21866	AA	GG	GG	INTERGENIC		
SNP_44011B_21868	scaffold284	NW_004515801.1	21868	AA	TT	TT	INTERGENIC		
SNP_44012B_21880	scaffold284	NW_004515801.1	21880	TT	CC	CC	INTERGENIC		
SNP_44013B_22131	scaffold284	NW_004515801.1	22131	CC	TT	TT	INTERGENIC		
SNP_44014B_22219	scaffold284	NW_004515801.1	22219	TT	AA	AA	INTERGENIC		
SNP_44015B_40738	scaffold284	NW_004515801.1	40738	TT	CC	CC	INTERGENIC		
SNP_44016B_40748	scaffold284	NW_004515801.1	40748	CC	TT	TT	INTERGENIC		
SNP_44017B_40750	scaffold284	NW_004515801.1	40750	GG	AA	AA	INTERGENIC		
SNP_44018B_40751	scaffold284	NW_004515801.1	40751	CC	AA	AA	INTERGENIC		
SNP_44019B_40767	scaffold284	NW_004515801.1	40767	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44020B_40773	scaffold284	NW_004515801.1	40773	CC	AA	AA	INTERGENIC		
SNP_44021B_40779	scaffold284	NW_004515801.1	40779	AA	TT	TT	INTERGENIC		
SNP_44022B_40984	scaffold284	NW_004515801.1	40984	AA	TT	TT	DRR	101500188	Unknown function
SNP_44023B_41008	scaffold284	NW_004515801.1	41008	AA	GG	GG	DRR	101500188	Unknown function
SNP_44024B_49893	scaffold284	NW_004515801.1	49893	TT	GG	GG	INTERGENIC		
SNP_44025B_49916	scaffold284	NW_004515801.1	49916	GG	CC	CC	INTERGENIC		
SNP_44026B_50028	scaffold284	NW_004515801.1	50028	CC	TT	TT	INTERGENIC		
SNP_44027B_50076	scaffold284	NW_004515801.1	50076	TT	AA	AA	INTERGENIC		
SNP_44028B_50099	scaffold284	NW_004515801.1	50099	AA	TT	TT	INTERGENIC		
SNP_44029B_50111	scaffold284	NW_004515801.1	50111	GG	AA	AA	INTERGENIC		
SNP_44030B_50116	scaffold284	NW_004515801.1	50116	TT	GG	GG	INTERGENIC		
SNP_44031B_50148	scaffold284	NW_004515801.1	50148	TT	AA	AA	INTERGENIC		
SNP_44032B_50302	scaffold284	NW_004515801.1	50302	TT	AA	AA	INTERGENIC		
SNP_44033B_84510	scaffold284	NW_004515801.1	84510	GG	AA	AA	INTERGENIC		
SNP_44034B_84796	scaffold284	NW_004515801.1	84796	TT	AA	AA	INTERGENIC		
SNP_44035B_104533	scaffold284	NW_004515801.1	104533	CC	TT	TT	INTERGENIC		
SNP_44036B_206950	scaffold284	NW_004515801.1	206950	TT	GG	GG	INTERGENIC		
SNP_44037B_253014	scaffold284	NW_004515801.1	253014	TT	CC	CC	INTERGENIC		
SNP_44038B_257170	scaffold284	NW_004515801.1	257170	CC	AA	AA	INTERGENIC		
SNP_44039B_257181	scaffold284	NW_004515801.1	257181	TT	CC	CC	INTERGENIC		
SNP_44040B_257184	scaffold284	NW_004515801.1	257184	AA	TT	TT	INTERGENIC		
SNP_44041B_257186	scaffold284	NW_004515801.1	257186	AA	GG	GG	INTERGENIC		
SNP_44042B_257246	scaffold284	NW_004515801.1	257246	CC	TT	TT	INTERGENIC		
SNP_44043B_257435	scaffold284	NW_004515801.1	257435	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44044B_257557	scaffold284	NW_004515801.1	257557	GG	TT	TT	INTERGENIC		
SNP_44045B_257560	scaffold284	NW_004515801.1	257560	AA	GG	GG	INTERGENIC		
SNP_44046B_352335	scaffold284	NW_004515801.1	352335	AA	GG	GG	INTERGENIC		
SNP_44047B_352672	scaffold284	NW_004515801.1	352672	AA	GG	GG	INTERGENIC		
SNP_44048B_352945	scaffold284	NW_004515801.1	352945	AA	GG	GG	INTERGENIC		
SNP_44049B_353197	scaffold284	NW_004515801.1	353197	GG	AA	AA	INTERGENIC		
SNP_44050B_353392	scaffold284	NW_004515801.1	353392	TT	CC	CC	INTERGENIC		
SNP_44051B_365922	scaffold284	NW_004515801.1	365922	TT	CC	CC	INTERGENIC		
SNP_44052B_463252	scaffold284	NW_004515801.1	463252	CC	TT	TT	INTERGENIC		
SNP_44053B_463254	scaffold284	NW_004515801.1	463254	TT	GG	GG	INTERGENIC		
SNP_44054B_472743	scaffold284	NW_004515801.1	472743	CC	TT	TT	INTERGENIC		
SNP_44055B_472972	scaffold284	NW_004515801.1	472972	AA	GG	GG	INTERGENIC		
SNP_44056B_472973	scaffold284	NW_004515801.1	472973	TT	CC	CC	INTERGENIC		
SNP_44057B_472990	scaffold284	NW_004515801.1	472990	AA	GG	GG	INTERGENIC		
SNP_44058B_472992	scaffold284	NW_004515801.1	472992	CC	AA	AA	INTERGENIC		
SNP_44059B_473093	scaffold284	NW_004515801.1	473093	AA	GG	GG	INTERGENIC		
SNP_44061B_531572	scaffold284	NW_004515801.1	531572	AA	GG	GG	INTERGENIC		
SNP_44063B_748011	scaffold284	NW_004515801.1	748011	CC	AA	AA	INTERGENIC		
SNP_44064B_766553	scaffold284	NW_004515801.1	766553	CC	TT	TT	INTERGENIC		
SNP_44065B_803441	scaffold284	NW_004515801.1	803441	TT	GG	GG	INTERGENIC		
SNP_44066B_803445	scaffold284	NW_004515801.1	803445	GG	TT	TT	INTERGENIC		
SNP_44067B_861402	scaffold284	NW_004515801.1	861402	CC	GG	GG	INTERGENIC		
SNP_44068B_902108	scaffold284	NW_004515801.1	902108	TT	CC	CC	INTERGENIC		
SNP_44069B_915266	scaffold284	NW_004515801.1	915266	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44070B_915398	scaffold284	NW_004515801.1	915398	AA	GG	GG	INTERGENIC		
SNP_44071B_915520	scaffold284	NW_004515801.1	915520	GG	AA	AA	INTERGENIC		
SNP_44072B_18511	scaffold287	NW_004515803.1	18511	AA	TT	TT	URR	101505749	Unknown function
SNP_44073B_18542	scaffold287	NW_004515803.1	18542	GG	AA	AA	URR	101505749	Unknown function
SNP_44074B_18551	scaffold287	NW_004515803.1	18551	GG	TT	TT	URR	101505749	Unknown function
SNP_44075B_19184	scaffold287	NW_004515803.1	19184	CC	AA	AA	URR	101505749	Unknown function
SNP_44076B_19223	scaffold287	NW_004515803.1	19223	GG	CC	CC	URR	101505749	Unknown function
SNP_44077B_19253	scaffold287	NW_004515803.1	19253	AA	TT	TT	URR	101505749	Unknown function
SNP_44078B_19257	scaffold287	NW_004515803.1	19257	TT	GG	GG	URR	101505749	Unknown function
SNP_44079B_19306	scaffold287	NW_004515803.1	19306	TT	GG	GG	URR	101505749	Unknown function
SNP_44080B_19334	scaffold287	NW_004515803.1	19334	TT	GG	GG	URR	101505749	Unknown function
SNP_44081B_19358	scaffold287	NW_004515803.1	19358	AA	TT	TT	URR	101505749	Unknown function
SNP_44082B_19429	scaffold287	NW_004515803.1	19429	AA	TT	TT	URR	101505749	Unknown function
SNP_44083B_19462	scaffold287	NW_004515803.1	19462	TT	GG	GG	URR	101505749	Unknown function
SNP_44084B_19499	scaffold287	NW_004515803.1	19499	GG	AA	AA	URR	101505749	Unknown function
SNP_44085B_19513	scaffold287	NW_004515803.1	19513	TT	AA	AA	URR	101505749	Unknown function
SNP_44086B_19519	scaffold287	NW_004515803.1	19519	TT	AA	AA	URR	101505749	Unknown function
SNP_44087B_19534	scaffold287	NW_004515803.1	19534	TT	CC	CC	URR	101505749	Unknown function
SNP_44088B_19565	scaffold287	NW_004515803.1	19565	TT	GG	GG	URR	101505749	Unknown function
SNP_44089B_19571	scaffold287	NW_004515803.1	19571	AA	CC	CC	URR	101505749	Unknown function
SNP_44090B_19637	scaffold287	NW_004515803.1	19637	AA	GG	GG	URR	101505749	Unknown function
SNP_44091B_21483	scaffold287	NW_004515803.1	21483	CC	GG	GG	DRR	101506068	uncharacterized LOC101506068
SNP_44092B_21487	scaffold287	NW_004515803.1	21487	TT	GG	GG	DRR	101506068	uncharacterized LOC101506068
SNP_44093B_21495	scaffold287	NW_004515803.1	21495	CC	GG	GG	DRR	101506068	uncharacterized LOC101506068

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44094B_22251	scaffold287	NW_004515803.1	22251	TT	GG	GG	DRR	101508315	uncharacterized LOC101508315
SNP_44095B_22268	scaffold287	NW_004515803.1	22268	GG	TT	TT	DRR	101508315	uncharacterized LOC101508315
SNP_44096B_22419	scaffold287	NW_004515803.1	22419	CC	TT	TT	DRR	101508315	uncharacterized LOC101508315
SNP_44098B_22669	scaffold287	NW_004515803.1	22669	TT	CC	CC	DRR	101508315	uncharacterized LOC101508315
SNP_44099B_22725	scaffold287	NW_004515803.1	22725	AA	GG	GG	URR	101506068	uncharacterized LOC101506068
SNP_44100B_22732	scaffold287	NW_004515803.1	22732	GG	AA	AA	URR	101506068	uncharacterized LOC101506068
SNP_44101B_22752	scaffold287	NW_004515803.1	22752	AA	GG	GG	URR	101506068	uncharacterized LOC101506068
SNP_44102B_22759	scaffold287	NW_004515803.1	22759	GG	CC	CC	URR	101506068	uncharacterized LOC101506068
SNP_44103B_22971	scaffold287	NW_004515803.1	22971	GG	TT	TT	URR	101506068	uncharacterized LOC101506068
SNP_44104B_25494	scaffold287	NW_004515803.1	25494	TT	CC	CC	DRR	101506384	uncharacterized LOC101506384
SNP_44105B_25502	scaffold287	NW_004515803.1	25502	CC	AA	AA	DRR	101506384	uncharacterized LOC101506384
SNP_44106B_25547	scaffold287	NW_004515803.1	25547	AA	GG	GG	DRR	101506384	uncharacterized LOC101506384
SNP_44107B_27552	scaffold287	NW_004515803.1	27552	AA	GG	GG	URR	101506384	uncharacterized LOC101506384
SNP_44108B_86438	scaffold287	NW_004515803.1	86438	AA	GG	GG	INTERGENIC		
SNP_44109B_119205	scaffold287	NW_004515803.1	119205	TT	AA	AA	INTERGENIC		
SNP_44110B_137477	scaffold287	NW_004515803.1	137477	TT	AA	AA	INTERGENIC		
SNP_44111B_137484	scaffold287	NW_004515803.1	137484	GG	TT	TT	INTERGENIC		
SNP_44112B_170444	scaffold287	NW_004515803.1	170444	GG	TT	TT	INTERGENIC		
SNP_44113B_170765	scaffold287	NW_004515803.1	170765	TT	AA	AA	INTERGENIC		
SNP_44114B_182599	scaffold287	NW_004515803.1	182599	CC	TT	TT	INTERGENIC		
SNP_44115B_182603	scaffold287	NW_004515803.1	182603	AA	GG	GG	INTERGENIC		
SNP_44116B_185637	scaffold287	NW_004515803.1	185637	AA	TT	TT	INTERGENIC		
SNP_44117B_269852	scaffold287	NW_004515803.1	269852	TT	CC	CC	INTERGENIC		
SNP_44118B_330393	scaffold287	NW_004515803.1	330393	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44119B_8922	scaffold290	NW_004515805.1	8922	TT	CC	CC	INTERGENIC		
SNP_44120B_13931	scaffold290	NW_004515805.1	13931	CC	TT	TT	INTERGENIC		
SNP_44121B_14075	scaffold290	NW_004515805.1	14075	CC	AA	AA	INTERGENIC		
SNP_44122B_14110	scaffold290	NW_004515805.1	14110	CC	AA	AA	INTERGENIC		
SNP_44123B_41493	scaffold290	NW_004515805.1	41493	CC	TT	TT	INTRON	101514544	uncharacterized LOC101514544
SNP_44124B_42073	scaffold290	NW_004515805.1	42073	CC	GG	GG	INTRON	101514544	uncharacterized LOC101514544
SNP_44125B_44938	scaffold290	NW_004515805.1	44938	CC	TT	TT	INTRON	101514544	uncharacterized LOC101514544
SNP_44126B_99278	scaffold290	NW_004515805.1	99278	CC	TT	TT	INTERGENIC		
SNP_44127B_109951	scaffold290	NW_004515805.1	109951	GG	TT	TT	INTRON	101511523	gibberellin-regulated protein 14-like
SNP_44128B_112788	scaffold290	NW_004515805.1	112788	GG	CC	CC	URR	101511523	gibberellin-regulated protein 14-like
SNP_44129B_112857	scaffold290	NW_004515805.1	112857	GG	AA	AA	URR	101511523	gibberellin-regulated protein 14-like
SNP_44130B_113793	scaffold290	NW_004515805.1	113793	GG	TT	TT	INTERGENIC		
SNP_44131B_113849	scaffold290	NW_004515805.1	113849	GG	AA	AA	INTERGENIC		
SNP_44132B_117835	scaffold290	NW_004515805.1	117835	AA	CC	CC	INTERGENIC		
SNP_44133B_140019	scaffold290	NW_004515805.1	140019	GG	AA	AA	INTERGENIC		
SNP_44134B_153693	scaffold290	NW_004515805.1	153693	TT	GG	GG	INTERGENIC		
SNP_44135B_166515	scaffold290	NW_004515805.1	166515	CC	TT	TT	INTERGENIC		
SNP_44136B_188037	scaffold290	NW_004515805.1	188037	CC	TT	TT	INTERGENIC		
SNP_44137B_188435	scaffold290	NW_004515805.1	188435	TT	CC	CC	INTERGENIC		
SNP_44139B_210823	scaffold290	NW_004515805.1	210823	GG	TT	TT	INTERGENIC		
SNP_44140B_213020	scaffold290	NW_004515805.1	213020	CC	GG	GG	INTERGENIC		
SNP_44141B_233710	scaffold290	NW_004515805.1	233710	GG	TT	TT	DRR	101512162	villin-3-like
SNP_44142B_250707	scaffold290	NW_004515805.1	250707	TT	GG	GG	INTRON	101512162	villin-3-like
SNP_44143B_250847	scaffold290	NW_004515805.1	250847	TT	CC	CC	INTRON	101512162	villin-3-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44144B_250893	scaffold290	NW_004515805.1	250893	CC	TT	TT	INTRON	101512162	villin-3-like
SNP_44145B_250951	scaffold290	NW_004515805.1	250951	TT	CC	CC	INTRON	101512162	villin-3-like
SNP_44146B_251390	scaffold290	NW_004515805.1	251390	GG	AA	AA	INTRON	101512162	villin-3-like
SNP_44147B_251400	scaffold290	NW_004515805.1	251400	GG	AA	AA	INTRON	101512162	villin-3-like
SNP_44148B_251412	scaffold290	NW_004515805.1	251412	GG	AA	AA	INTRON	101512162	villin-3-like
SNP_44149B_251415	scaffold290	NW_004515805.1	251415	AA	GG	GG	INTRON	101512162	villin-3-like
SNP_44150B_252152	scaffold290	NW_004515805.1	252152	TT	CC	CC	INTRON	101512162	villin-3-like
SNP_44151B_252509	scaffold290	NW_004515805.1	252509	CC	TT	TT	INTRON	101512162	villin-3-like
SNP_44152B_252529	scaffold290	NW_004515805.1	252529	CC	GG	GG	INTRON	101512162	villin-3-like
SNP_44153B_253005	scaffold290	NW_004515805.1	253005	GG	AA	AA	INTRON	101512162	villin-3-like
SNP_44154B_271108	scaffold290	NW_004515805.1	271108	TT	CC	CC	INTERGENIC		
SNP_44156B_298325	scaffold290	NW_004515805.1	298325	CC	TT	TT	INTERGENIC		
SNP_44157B_300670	scaffold290	NW_004515805.1	300670	AA	TT	TT	INTERGENIC		
SNP_44158B_307018	scaffold290	NW_004515805.1	307018	CC	TT	TT	INTERGENIC		
SNP_44159B_312357	scaffold290	NW_004515805.1	312357	GG	AA	AA	INTERGENIC		
SNP_44160B_312638	scaffold290	NW_004515805.1	312638	GG	AA	AA	INTERGENIC		
SNP_44161B_314947	scaffold290	NW_004515805.1	314947	AA	TT	TT	INTERGENIC		
SNP_44162B_317167	scaffold290	NW_004515805.1	317167	GG	AA	AA	INTERGENIC		
SNP_44163B_337017	scaffold290	NW_004515805.1	337017	CC	TT	TT	URR	101488599	Unknown function
SNP_44164B_339888	scaffold290	NW_004515805.1	339888	CC	GG	GG	INTERGENIC		
SNP_44166B_398570	scaffold290	NW_004515805.1	398570	AA	GG	GG	INTERGENIC		
SNP_44168B_400935	scaffold290	NW_004515805.1	400935	AA	TT	TT	INTERGENIC		
SNP_44169B_416723	scaffold290	NW_004515805.1	416723	AA	TT	TT	INTERGENIC		
SNP_44171B_491243	scaffold290	NW_004515805.1	491243	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44172B_499430	scaffold290	NW_004515805.1	499430	GG	TT	TT	INTERGENIC		
SNP_44173B_499851	scaffold290	NW_004515805.1	499851	GG	AA	AA	INTERGENIC		
SNP_44174B_499954	scaffold290	NW_004515805.1	499954	CC	TT	TT	INTERGENIC		
SNP_44175B_500014	scaffold290	NW_004515805.1	500014	AA	GG	GG	INTERGENIC		
SNP_44176B_500017	scaffold290	NW_004515805.1	500017	AA	GG	GG	INTERGENIC		
SNP_44177B_500031	scaffold290	NW_004515805.1	500031	CC	TT	TT	INTERGENIC		
SNP_44178B_500380	scaffold290	NW_004515805.1	500380	TT	CC	CC	INTERGENIC		
SNP_44179B_500382	scaffold290	NW_004515805.1	500382	TT	CC	CC	INTERGENIC		
SNP_44180B_500418	scaffold290	NW_004515805.1	500418	GG	AA	AA	INTERGENIC		
SNP_44181B_500438	scaffold290	NW_004515805.1	500438	TT	CC	CC	INTERGENIC		
SNP_44182B_502939	scaffold290	NW_004515805.1	502939	TT	CC	CC	INTERGENIC		
SNP_44183B_505589	scaffold290	NW_004515805.1	505589	AA	TT	TT	INTERGENIC		
SNP_44184B_506207	scaffold290	NW_004515805.1	506207	CC	AA	AA	INTERGENIC		
SNP_44185B_544517	scaffold290	NW_004515805.1	544517	TT	CC	CC	INTERGENIC		
SNP_44186B_544533	scaffold290	NW_004515805.1	544533	CC	AA	AA	INTERGENIC		
SNP_44187B_544623	scaffold290	NW_004515805.1	544623	AA	GG	GG	INTERGENIC		
SNP_44188B_544653	scaffold290	NW_004515805.1	544653	AA	GG	GG	INTERGENIC		
SNP_44189B_544850	scaffold290	NW_004515805.1	544850	CC	TT	TT	INTERGENIC		
SNP_44190B_544858	scaffold290	NW_004515805.1	544858	GG	AA	AA	INTERGENIC		
SNP_44191B_544873	scaffold290	NW_004515805.1	544873	TT	GG	GG	INTERGENIC		
SNP_44192B_544878	scaffold290	NW_004515805.1	544878	GG	AA	AA	INTERGENIC		
SNP_44193B_552789	scaffold290	NW_004515805.1	552789	GG	AA	AA	INTERGENIC		
SNP_44194B_557805	scaffold290	NW_004515805.1	557805	CC	TT	TT	INTERGENIC		
SNP_44195B_561135	scaffold290	NW_004515805.1	561135	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44196B_561500	scaffold290	NW_004515805.1	561500	TT	CC	CC	INTERGENIC		
SNP_44197B_561511	scaffold290	NW_004515805.1	561511	GG	TT	TT	INTERGENIC		
SNP_44198B_561837	scaffold290	NW_004515805.1	561837	TT	AA	AA	INTERGENIC		
SNP_44199B_561843	scaffold290	NW_004515805.1	561843	GG	AA	AA	INTERGENIC		
SNP_44200B_571682	scaffold290	NW_004515805.1	571682	CC	AA	AA	INTERGENIC		
SNP_44201B_571699	scaffold290	NW_004515805.1	571699	AA	GG	GG	INTERGENIC		
SNP_44202B_571709	scaffold290	NW_004515805.1	571709	AA	GG	GG	INTERGENIC		
SNP_44203B_571717	scaffold290	NW_004515805.1	571717	TT	CC	CC	INTERGENIC		
SNP_44204B_571963	scaffold290	NW_004515805.1	571963	TT	CC	CC	INTERGENIC		
SNP_44205B_572089	scaffold290	NW_004515805.1	572089	CC	TT	TT	INTERGENIC		
SNP_44206B_572090	scaffold290	NW_004515805.1	572090	AA	CC	CC	INTERGENIC		
SNP_44208B_572100	scaffold290	NW_004515805.1	572100	TT	CC	CC	INTERGENIC		
SNP_44209B_572229	scaffold290	NW_004515805.1	572229	GG	AA	AA	INTERGENIC		
SNP_44210B_572231	scaffold290	NW_004515805.1	572231	TT	CC	CC	INTERGENIC		
SNP_44211B_572249	scaffold290	NW_004515805.1	572249	AA	GG	GG	INTERGENIC		
SNP_44212B_572275	scaffold290	NW_004515805.1	572275	AA	TT	TT	INTERGENIC		
SNP_44214B_615997	scaffold290	NW_004515805.1	615997	TT	GG	GG	URR	101492510	Unknown function
SNP_44215B_639631	scaffold290	NW_004515805.1	639631	AA	GG	GG	INTERGENIC		
SNP_44216B_640921	scaffold290	NW_004515805.1	640921	TT	AA	AA	INTERGENIC		
SNP_44217B_641104	scaffold290	NW_004515805.1	641104	CC	TT	TT	INTERGENIC		
SNP_44218B_648023	scaffold290	NW_004515805.1	648023	AA	GG	GG	INTERGENIC		
SNP_44219B_660228	scaffold290	NW_004515805.1	660228	AA	GG	GG	INTERGENIC		
SNP_44220B_670685	scaffold290	NW_004515805.1	670685	TT	CC	CC	INTERGENIC		
SNP_44221B_702131	scaffold290	NW_004515805.1	702131	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44222B_709724	scaffold290	NW_004515805.1	709724	CC	GG	GG	INTERGENIC		
SNP_44223B_709773	scaffold290	NW_004515805.1	709773	GG	AA	AA	INTERGENIC		
SNP_44224B_710148	scaffold290	NW_004515805.1	710148	CC	AA	AA	INTERGENIC		
SNP_44225B_731850	scaffold290	NW_004515805.1	731850	TT	AA	AA	URR	101492842	Unknown function
SNP_44226B_731940	scaffold290	NW_004515805.1	731940	AA	GG	GG	URR	101492842	Unknown function
SNP_44227B_744858	scaffold290	NW_004515805.1	744858	AA	GG	GG	INTERGENIC		
SNP_44228B_745535	scaffold290	NW_004515805.1	745535	CC	TT	TT	INTERGENIC		
SNP_44229B_750069	scaffold290	NW_004515805.1	750069	GG	AA	AA	INTERGENIC		
SNP_44230B_757675	scaffold290	NW_004515805.1	757675	CC	TT	TT	INTERGENIC		
SNP_44231B_760414	scaffold290	NW_004515805.1	760414	AA	CC	CC	INTERGENIC		
SNP_44232B_777912	scaffold290	NW_004515805.1	777912	TT	CC	CC	INTERGENIC		
SNP_44233B_797422	scaffold290	NW_004515805.1	797422	GG	CC	CC	INTERGENIC		
SNP_44234B_797438	scaffold290	NW_004515805.1	797438	AA	GG	GG	INTERGENIC		
SNP_44235B_797450	scaffold290	NW_004515805.1	797450	TT	CC	CC	INTERGENIC		
SNP_44236B_797715	scaffold290	NW_004515805.1	797715	GG	AA	AA	INTERGENIC		
SNP_44237B_798289	scaffold290	NW_004515805.1	798289	CC	TT	TT	INTERGENIC		
SNP_44238B_813710	scaffold290	NW_004515805.1	813710	TT	CC	CC	INTERGENIC		
SNP_44239B_813716	scaffold290	NW_004515805.1	813716	CC	TT	TT	INTERGENIC		
SNP_44240B_813722	scaffold290	NW_004515805.1	813722	TT	CC	CC	INTERGENIC		
SNP_44241B_813749	scaffold290	NW_004515805.1	813749	AA	GG	GG	INTERGENIC		
SNP_44242B_813788	scaffold290	NW_004515805.1	813788	TT	GG	GG	INTERGENIC		
SNP_44243B_815082	scaffold290	NW_004515805.1	815082	TT	CC	CC	INTERGENIC		
SNP_44244B_816219	scaffold290	NW_004515805.1	816219	AA	CC	CC	INTERGENIC		
SNP_44245B_817373	scaffold290	NW_004515805.1	817373	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44246B_817702	scaffold290	NW_004515805.1	817702	TT	GG	GG	INTERGENIC		
SNP_44247B_818291	scaffold290	NW_004515805.1	818291	AA	CC	CC	INTERGENIC		
SNP_44249B_818508	scaffold290	NW_004515805.1	818508	TT	AA	AA	INTERGENIC		
SNP_44251B_823863	scaffold290	NW_004515805.1	823863	TT	CC	CC	INTERGENIC		
SNP_44252B_829363	scaffold290	NW_004515805.1	829363	TT	GG	GG	INTERGENIC		
SNP_44253B_838281	scaffold290	NW_004515805.1	838281	CC	AA	AA	INTERGENIC		
SNP_44254B_848944	scaffold290	NW_004515805.1	848944	GG	TT	TT	INTERGENIC		
SNP_44255B_848951	scaffold290	NW_004515805.1	848951	TT	AA	AA	INTERGENIC		
SNP_44256B_859879	scaffold290	NW_004515805.1	859879	GG	AA	AA	URR	101513885	agamous-like MADS-box protein AGL18
SNP_44257B_874452	scaffold290	NW_004515805.1	874452	AA	GG	GG	NON_SYNONYMOUS_CODING	101493172	uncharacterized LOC101493172
SNP_44258B_874460	scaffold290	NW_004515805.1	874460	AA	GG	GG	NON_SYNONYMOUS_CODING	101493172	uncharacterized LOC101493172
SNP_44259B_874817	scaffold290	NW_004515805.1	874817	TT	CC	CC	INTRON	101493172	uncharacterized LOC101493172
SNP_44260B_879542	scaffold290	NW_004515805.1	879542	AA	CC	CC	INTERGENIC		
SNP_44261B_887543	scaffold290	NW_004515805.1	887543	CC	TT	TT	INTERGENIC		
SNP_44263B_899619	scaffold290	NW_004515805.1	899619	CC	TT	TT	INTERGENIC		
SNP_44264B_907159	scaffold290	NW_004515805.1	907159	TT	CC	CC	INTERGENIC		
SNP_44265B_2156	scaffold292	NW_004515806.1	2156	GG	CC	CC	INTERGENIC		
SNP_44266B_5290	scaffold292	NW_004515806.1	5290	AA	CC	CC	INTERGENIC		
SNP_44267B_5295	scaffold292	NW_004515806.1	5295	AA	TT	TT	INTERGENIC		
SNP_44269B_5498	scaffold292	NW_004515806.1	5498	AA	CC	CC	INTERGENIC		
SNP_44270B_6455	scaffold293	NW_004515807.1	6455	CC	TT	TT	INTERGENIC		
SNP_44271B_11176	scaffold293	NW_004515807.1	11176	AA	GG	GG	INTERGENIC		
SNP_44272B_12938	scaffold293	NW_004515807.1	12938	CC	TT	TT	INTERGENIC		
SNP_44273B_12976	scaffold293	NW_004515807.1	12976	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44274B_12983	scaffold293	NW_004515807.1	12983	TT	AA	AA	INTERGENIC		
SNP_44275B_12997	scaffold293	NW_004515807.1	12997	TT	CC	CC	INTERGENIC		
SNP_44276B_13006	scaffold293	NW_004515807.1	13006	TT	CC	CC	INTERGENIC		
SNP_44277B_13007	scaffold293	NW_004515807.1	13007	CC	TT	TT	INTERGENIC		
SNP_44278B_13030	scaffold293	NW_004515807.1	13030	CC	TT	TT	INTERGENIC		
SNP_44279B_19977	scaffold293	NW_004515807.1	19977	AA	CC	CC	INTERGENIC		
SNP_44280B_23830	scaffold293	NW_004515807.1	23830	GG	AA	AA	INTERGENIC		
SNP_44281B_30395	scaffold293	NW_004515807.1	30395	AA	GG	GG	INTERGENIC		
SNP_44282B_30428	scaffold293	NW_004515807.1	30428	AA	GG	GG	INTERGENIC		
SNP_44284B_30457	scaffold293	NW_004515807.1	30457	TT	CC	CC	INTERGENIC		
SNP_44285B_30467	scaffold293	NW_004515807.1	30467	TT	CC	CC	INTERGENIC		
SNP_44286B_30632	scaffold293	NW_004515807.1	30632	TT	CC	CC	INTERGENIC		
SNP_44287B_33685	scaffold293	NW_004515807.1	33685	AA	GG	GG	INTERGENIC		
SNP_44288B_35422	scaffold293	NW_004515807.1	35422	TT	AA	AA	INTERGENIC		
SNP_44289B_45782	scaffold293	NW_004515807.1	45782	TT	AA	AA	INTERGENIC		
SNP_44290B_239	scaffold295	NW_004515808.1	239	AA	GG	GG	INTERGENIC		
SNP_44291B_245	scaffold295	NW_004515808.1	245	CC	AA	AA	INTERGENIC		
SNP_44292B_363	scaffold295	NW_004515808.1	363	TT	GG	GG	INTERGENIC		
SNP_44293B_368	scaffold295	NW_004515808.1	368	TT	AA	AA	INTERGENIC		
SNP_44294B_379	scaffold295	NW_004515808.1	379	AA	TT	TT	INTERGENIC		
SNP_44295B_617	scaffold295	NW_004515808.1	617	TT	AA	AA	INTERGENIC		
SNP_44296B_703	scaffold295	NW_004515808.1	703	TT	CC	CC	INTERGENIC		
SNP_44297B_723	scaffold295	NW_004515808.1	723	TT	CC	CC	INTERGENIC		
SNP_44298B_763	scaffold295	NW_004515808.1	763	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44299B_844	scaffold295	NW_004515808.1	844	GG	CC	CC	INTERGENIC		
SNP_44300B_8310	scaffold295	NW_004515808.1	8310	GG	TT	TT	INTERGENIC		
SNP_44301B_418	scaffold296	NW_004515809.1	418	AA	GG	GG	INTERGENIC		
SNP_44302B_10205	scaffold296	NW_004515809.1	10205	GG	CC	CC	INTERGENIC		
SNP_44303B_10230	scaffold296	NW_004515809.1	10230	CC	TT	TT	INTERGENIC		
SNP_44304B_10401	scaffold296	NW_004515809.1	10401	TT	CC	CC	INTERGENIC		
SNP_44305B_10422	scaffold296	NW_004515809.1	10422	CC	AA	AA	INTERGENIC		
SNP_44306B_10592	scaffold296	NW_004515809.1	10592	GG	AA	AA	INTERGENIC		
SNP_44307B_10630	scaffold296	NW_004515809.1	10630	GG	TT	TT	INTERGENIC		
SNP_44308B_10685	scaffold296	NW_004515809.1	10685	CC	TT	TT	INTERGENIC		
SNP_44310B_11152	scaffold296	NW_004515809.1	11152	GG	TT	TT	INTERGENIC		
SNP_44311B_11193	scaffold296	NW_004515809.1	11193	GG	AA	AA	INTERGENIC		
SNP_44313B_11376	scaffold296	NW_004515809.1	11376	CC	TT	TT	INTERGENIC		
SNP_44314B_11829	scaffold296	NW_004515809.1	11829	CC	TT	TT	INTERGENIC		
SNP_44315B_14275	scaffold296	NW_004515809.1	14275	TT	AA	AA	INTERGENIC		
SNP_44316B_14473	scaffold296	NW_004515809.1	14473	CC	TT	TT	INTERGENIC		
SNP_44317B_14800	scaffold296	NW_004515809.1	14800	GG	AA	AA	INTERGENIC		
SNP_44318B_14809	scaffold296	NW_004515809.1	14809	CC	AA	AA	INTERGENIC		
SNP_44319B_14960	scaffold296	NW_004515809.1	14960	GG	AA	AA	INTERGENIC		
SNP_44320B_15029	scaffold296	NW_004515809.1	15029	TT	CC	CC	INTERGENIC		
SNP_44321B_15212	scaffold296	NW_004515809.1	15212	TT	CC	CC	INTERGENIC		
SNP_44322B_15232	scaffold296	NW_004515809.1	15232	TT	CC	CC	INTERGENIC		
SNP_44323B_15250	scaffold296	NW_004515809.1	15250	AA	CC	CC	INTERGENIC		
SNP_44324B_15253	scaffold296	NW_004515809.1	15253	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44325B_15320	scaffold296	NW_004515809.1	15320	CC	TT	TT	INTERGENIC		
SNP_44326B_15377	scaffold296	NW_004515809.1	15377	TT	CC	CC	INTERGENIC		
SNP_44327B_15419	scaffold296	NW_004515809.1	15419	AA	TT	TT	INTERGENIC		
SNP_44328B_15424	scaffold296	NW_004515809.1	15424	GG	AA	AA	INTERGENIC		
SNP_44329B_15458	scaffold296	NW_004515809.1	15458	GG	AA	AA	INTERGENIC		
SNP_44330B_15460	scaffold296	NW_004515809.1	15460	CC	TT	TT	INTERGENIC		
SNP_44331B_15486	scaffold296	NW_004515809.1	15486	GG	AA	AA	INTERGENIC		
SNP_44332B_15507	scaffold296	NW_004515809.1	15507	TT	CC	CC	INTERGENIC		
SNP_44333B_15519	scaffold296	NW_004515809.1	15519	AA	GG	GG	INTERGENIC		
SNP_44334B_15523	scaffold296	NW_004515809.1	15523	TT	AA	AA	INTERGENIC		
SNP_44335B_15540	scaffold296	NW_004515809.1	15540	CC	AA	AA	INTERGENIC		
SNP_44336B_15572	scaffold296	NW_004515809.1	15572	GG	AA	AA	INTERGENIC		
SNP_44337B_15596	scaffold296	NW_004515809.1	15596	CC	TT	TT	INTERGENIC		
SNP_44338B_15625	scaffold296	NW_004515809.1	15625	TT	CC	CC	INTERGENIC		
SNP_44339B_15641	scaffold296	NW_004515809.1	15641	AA	CC	CC	INTERGENIC		
SNP_44340B_15645	scaffold296	NW_004515809.1	15645	CC	AA	AA	INTERGENIC		
SNP_44341B_15744	scaffold296	NW_004515809.1	15744	TT	GG	GG	INTERGENIC		
SNP_44342B_15769	scaffold296	NW_004515809.1	15769	AA	GG	GG	INTERGENIC		
SNP_44343B_15770	scaffold296	NW_004515809.1	15770	GG	AA	AA	INTERGENIC		
SNP_44344B_15787	scaffold296	NW_004515809.1	15787	CC	GG	GG	INTERGENIC		
SNP_44345B_15789	scaffold296	NW_004515809.1	15789	GG	AA	AA	INTERGENIC		
SNP_44346B_15791	scaffold296	NW_004515809.1	15791	AA	CC	CC	INTERGENIC		
SNP_44347B_15802	scaffold296	NW_004515809.1	15802	CC	TT	TT	INTERGENIC		
SNP_44348B_15823	scaffold296	NW_004515809.1	15823	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44349B_15835	scaffold296	NW_004515809.1	15835	GG	AA	AA	INTERGENIC		
SNP_44350B_15861	scaffold296	NW_004515809.1	15861	TT	GG	GG	INTERGENIC		
SNP_44351B_15872	scaffold296	NW_004515809.1	15872	GG	AA	AA	INTERGENIC		
SNP_44352B_15882	scaffold296	NW_004515809.1	15882	CC	AA	AA	INTERGENIC		
SNP_44353B_15928	scaffold296	NW_004515809.1	15928	AA	CC	CC	INTERGENIC		
SNP_44354B_15992	scaffold296	NW_004515809.1	15992	CC	AA	AA	INTERGENIC		
SNP_44355B_16152	scaffold296	NW_004515809.1	16152	AA	CC	CC	INTERGENIC		
SNP_44356B_16313	scaffold296	NW_004515809.1	16313	GG	CC	CC	INTERGENIC		
SNP_44357B_16328	scaffold296	NW_004515809.1	16328	CC	AA	AA	INTERGENIC		
SNP_44358B_16336	scaffold296	NW_004515809.1	16336	CC	TT	TT	INTERGENIC		
SNP_44359B_16351	scaffold296	NW_004515809.1	16351	CC	TT	TT	INTERGENIC		
SNP_44360B_16354	scaffold296	NW_004515809.1	16354	AA	GG	GG	INTERGENIC		
SNP_44361B_16380	scaffold296	NW_004515809.1	16380	TT	GG	GG	INTERGENIC		
SNP_44362B_16409	scaffold296	NW_004515809.1	16409	TT	CC	CC	INTERGENIC		
SNP_44363B_16454	scaffold296	NW_004515809.1	16454	TT	CC	CC	INTERGENIC		
SNP_44364B_16456	scaffold296	NW_004515809.1	16456	GG	AA	AA	INTERGENIC		
SNP_44365B_16472	scaffold296	NW_004515809.1	16472	TT	GG	GG	INTERGENIC		
SNP_44366B_16496	scaffold296	NW_004515809.1	16496	TT	CC	CC	INTERGENIC		
SNP_44367B_16564	scaffold296	NW_004515809.1	16564	AA	GG	GG	INTERGENIC		
SNP_44368B_16589	scaffold296	NW_004515809.1	16589	CC	TT	TT	INTERGENIC		
SNP_44369B_16594	scaffold296	NW_004515809.1	16594	AA	GG	GG	INTERGENIC		
SNP_44370B_16637	scaffold296	NW_004515809.1	16637	CC	TT	TT	INTERGENIC		
SNP_44371B_16646	scaffold296	NW_004515809.1	16646	AA	GG	GG	INTERGENIC		
SNP_44372B_16693	scaffold296	NW_004515809.1	16693	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44373B_16703	scaffold296	NW_004515809.1	16703	AA	GG	GG	INTERGENIC		
SNP_44374B_16730	scaffold296	NW_004515809.1	16730	GG	TT	TT	INTERGENIC		
SNP_44375B_16747	scaffold296	NW_004515809.1	16747	AA	CC	CC	INTERGENIC		
SNP_44376B_16798	scaffold296	NW_004515809.1	16798	TT	CC	CC	INTERGENIC		
SNP_44377B_16813	scaffold296	NW_004515809.1	16813	CC	TT	TT	INTERGENIC		
SNP_44378B_16856	scaffold296	NW_004515809.1	16856	GG	AA	AA	INTERGENIC		
SNP_44379B_16867	scaffold296	NW_004515809.1	16867	AA	TT	TT	INTERGENIC		
SNP_44380B_16874	scaffold296	NW_004515809.1	16874	TT	CC	CC	INTERGENIC		
SNP_44383B_78724	scaffold296	NW_004515809.1	78724	GG	AA	AA	INTERGENIC		
SNP_44384B_78771	scaffold296	NW_004515809.1	78771	AA	GG	GG	INTERGENIC		
SNP_44385B_78783	scaffold296	NW_004515809.1	78783	GG	TT	TT	INTERGENIC		
SNP_44386B_78799	scaffold296	NW_004515809.1	78799	AA	GG	GG	INTERGENIC		
SNP_44387B_78816	scaffold296	NW_004515809.1	78816	GG	AA	AA	INTERGENIC		
SNP_44388B_79092	scaffold296	NW_004515809.1	79092	TT	GG	GG	INTERGENIC		
SNP_44389B_140242	scaffold296	NW_004515809.1	140242	AA	CC	CC	INTRON	101500503	probable WRKY transcription factor 31
SNP_44390B_225117	scaffold296	NW_004515809.1	225117	CC	AA	AA	INTRON	101497043	uncharacterized LOC101497043
SNP_44391B_225127	scaffold296	NW_004515809.1	225127	GG	AA	AA	INTRON	101497043	uncharacterized LOC101497043
SNP_44392B_225140	scaffold296	NW_004515809.1	225140	TT	AA	AA	INTRON	101497043	uncharacterized LOC101497043
SNP_44393B_225151	scaffold296	NW_004515809.1	225151	GG	CC	CC	INTRON	101497043	uncharacterized LOC101497043
SNP_44394B_225152	scaffold296	NW_004515809.1	225152	AA	GG	GG	INTRON	101497043	uncharacterized LOC101497043
SNP_44396B_259037	scaffold296	NW_004515809.1	259037	GG	AA	AA	INTERGENIC		
SNP_44397B_259141	scaffold296	NW_004515809.1	259141	TT	AA	AA	INTERGENIC		
SNP_44398B_259200	scaffold296	NW_004515809.1	259200	AA	TT	TT	INTERGENIC		
SNP_44399B_259221	scaffold296	NW_004515809.1	259221	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44400B_259230	scaffold296	NW_004515809.1	259230	AA	TT	TT	INTERGENIC		
SNP_44401B_259246	scaffold296	NW_004515809.1	259246	TT	CC	CC	INTERGENIC		
SNP_44402B_259341	scaffold296	NW_004515809.1	259341	GG	AA	AA	INTERGENIC		
SNP_44403B_260822	scaffold296	NW_004515809.1	260822	TT	AA	AA	INTERGENIC		
SNP_44404B_260846	scaffold296	NW_004515809.1	260846	TT	CC	CC	INTERGENIC		
SNP_44405B_260876	scaffold296	NW_004515809.1	260876	TT	CC	CC	INTERGENIC		
SNP_44406B_260896	scaffold296	NW_004515809.1	260896	TT	AA	AA	INTERGENIC		
SNP_44407B_261137	scaffold296	NW_004515809.1	261137	GG	AA	AA	INTERGENIC		
SNP_44408B_261173	scaffold296	NW_004515809.1	261173	AA	GG	GG	INTERGENIC		
SNP_44409B_261194	scaffold296	NW_004515809.1	261194	AA	GG	GG	INTERGENIC		
SNP_44410B_261254	scaffold296	NW_004515809.1	261254	AA	GG	GG	INTERGENIC		
SNP_44411B_261259	scaffold296	NW_004515809.1	261259	TT	CC	CC	INTERGENIC		
SNP_44412B_261290	scaffold296	NW_004515809.1	261290	TT	CC	CC	INTERGENIC		
SNP_44413B_261332	scaffold296	NW_004515809.1	261332	GG	AA	AA	INTERGENIC		
SNP_44414B_261347	scaffold296	NW_004515809.1	261347	AA	GG	GG	INTERGENIC		
SNP_44415B_261476	scaffold296	NW_004515809.1	261476	CC	TT	TT	INTERGENIC		
SNP_44416B_261535	scaffold296	NW_004515809.1	261535	TT	AA	AA	INTERGENIC		
SNP_44417B_261545	scaffold296	NW_004515809.1	261545	AA	TT	TT	INTERGENIC		
SNP_44418B_261546	scaffold296	NW_004515809.1	261546	AA	GG	GG	INTERGENIC		
SNP_44419B_261564	scaffold296	NW_004515809.1	261564	TT	CC	CC	INTERGENIC		
SNP_44422B_262028	scaffold296	NW_004515809.1	262028	CC	TT	TT	INTERGENIC		
SNP_44423B_262730	scaffold296	NW_004515809.1	262730	CC	GG	GG	INTERGENIC		
SNP_44424B_262755	scaffold296	NW_004515809.1	262755	GG	AA	AA	INTERGENIC		
SNP_44425B_262803	scaffold296	NW_004515809.1	262803	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44427B_262852	scaffold296	NW_004515809.1	262852	AA	GG	GG	INTERGENIC		
SNP_44428B_264864	scaffold296	NW_004515809.1	264864	AA	TT	TT	INTERGENIC		
SNP_44429B_264867	scaffold296	NW_004515809.1	264867	AA	CC	CC	INTERGENIC		
SNP_44430B_265058	scaffold296	NW_004515809.1	265058	GG	CC	CC	INTERGENIC		
SNP_44431B_265145	scaffold296	NW_004515809.1	265145	TT	AA	AA	INTERGENIC		
SNP_44432B_265183	scaffold296	NW_004515809.1	265183	GG	TT	TT	INTERGENIC		
SNP_44433B_265208	scaffold296	NW_004515809.1	265208	GG	CC	CC	INTERGENIC		
SNP_44434B_265378	scaffold296	NW_004515809.1	265378	TT	CC	CC	INTERGENIC		
SNP_44435B_265435	scaffold296	NW_004515809.1	265435	GG	TT	TT	INTERGENIC		
SNP_44436B_265458	scaffold296	NW_004515809.1	265458	TT	CC	CC	INTERGENIC		
SNP_44437B_265518	scaffold296	NW_004515809.1	265518	GG	CC	CC	INTERGENIC		
SNP_44438B_265530	scaffold296	NW_004515809.1	265530	AA	GG	GG	INTERGENIC		
SNP_44439B_265584	scaffold296	NW_004515809.1	265584	TT	CC	CC	INTERGENIC		
SNP_44440B_266216	scaffold296	NW_004515809.1	266216	AA	TT	TT	INTERGENIC		
SNP_44442B_406920	scaffold296	NW_004515809.1	406920	CC	GG	GG	INTERGENIC		
SNP_44443B_427492	scaffold296	NW_004515809.1	427492	TT	CC	CC	INTERGENIC		
SNP_44444B_1493	scaffold298	NW_004515810.1	1493	AA	TT	TT	INTERGENIC		
SNP_44445B_1575	scaffold298	NW_004515810.1	1575	AA	GG	GG	INTERGENIC		
SNP_44446B_2591	scaffold298	NW_004515810.1	2591	TT	AA	AA	INTERGENIC		
SNP_44447B_2594	scaffold298	NW_004515810.1	2594	AA	TT	TT	INTERGENIC		
SNP_44448B_2686	scaffold298	NW_004515810.1	2686	TT	CC	CC	INTERGENIC		
SNP_44449B_2712	scaffold298	NW_004515810.1	2712	CC	TT	TT	INTERGENIC		
SNP_44450B_2937	scaffold298	NW_004515810.1	2937	AA	TT	TT	INTERGENIC		
SNP_44451B_2938	scaffold298	NW_004515810.1	2938	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44452B_3751	scaffold298	NW_004515810.1	3751	TT	CC	CC	INTERGENIC		
SNP_44453B_3768	scaffold298	NW_004515810.1	3768	GG	CC	CC	INTERGENIC		
SNP_44454B_3773	scaffold298	NW_004515810.1	3773	CC	TT	TT	INTERGENIC		
SNP_44455B_3777	scaffold298	NW_004515810.1	3777	GG	AA	AA	INTERGENIC		
SNP_44456B_3784	scaffold298	NW_004515810.1	3784	CC	AA	AA	INTERGENIC		
SNP_44457B_3830	scaffold298	NW_004515810.1	3830	CC	TT	TT	INTERGENIC		
SNP_44458B_4119	scaffold298	NW_004515810.1	4119	AA	CC	CC	INTERGENIC		
SNP_44459B_5342	scaffold298	NW_004515810.1	5342	CC	TT	TT	INTERGENIC		
SNP_44460B_7987	scaffold298	NW_004515810.1	7987	AA	TT	TT	URR	101502315	uncharacterized LOC101502315
SNP_44462B_8261	scaffold298	NW_004515810.1	8261	TT	GG	GG	URR	101502315	uncharacterized LOC101502315
SNP_44463B_8429	scaffold298	NW_004515810.1	8429	AA	TT	TT	URR	101502315	uncharacterized LOC101502315
SNP_44464B_8578	scaffold298	NW_004515810.1	8578	CC	TT	TT	URR	101502315	uncharacterized LOC101502315
SNP_44465B_8788	scaffold298	NW_004515810.1	8788	CC	AA	AA	URR	101502315	uncharacterized LOC101502315
SNP_44467B_9117	scaffold298	NW_004515810.1	9117	TT	CC	CC	URR	101502315	uncharacterized LOC101502315
SNP_44468B_9448	scaffold298	NW_004515810.1	9448	TT	GG	GG	INTERGENIC		
SNP_44469B_9452	scaffold298	NW_004515810.1	9452	TT	GG	GG	INTERGENIC		
SNP_44470B_9494	scaffold298	NW_004515810.1	9494	AA	TT	TT	INTERGENIC		
SNP_44471B_9709	scaffold298	NW_004515810.1	9709	TT	AA	AA	INTERGENIC		
SNP_44472B_9748	scaffold298	NW_004515810.1	9748	TT	CC	CC	INTERGENIC		
SNP_44473B_9802	scaffold298	NW_004515810.1	9802	TT	CC	CC	INTERGENIC		
SNP_44474B_10034	scaffold298	NW_004515810.1	10034	TT	CC	CC	INTERGENIC		
SNP_44475B_10039	scaffold298	NW_004515810.1	10039	TT	GG	GG	INTERGENIC		
SNP_44476B_10174	scaffold298	NW_004515810.1	10174	TT	CC	CC	INTERGENIC		
SNP_44477B_14059	scaffold298	NW_004515810.1	14059	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44478B_14212	scaffold298	NW_004515810.1	14212	CC	AA	AA	INTERGENIC		
SNP_44479B_14392	scaffold298	NW_004515810.1	14392	AA	CC	CC	INTERGENIC		
SNP_44481B_85626	scaffold298	NW_004515810.1	85626	CC	TT	TT	INTERGENIC		
SNP_44482B_98344	scaffold298	NW_004515810.1	98344	CC	TT	TT	INTERGENIC		
SNP_44483B_106497	scaffold298	NW_004515810.1	106497	TT	CC	CC	INTERGENIC		
SNP_44484B_127141	scaffold298	NW_004515810.1	127141	CC	GG	GG	INTERGENIC		
SNP_44485B_127511	scaffold298	NW_004515810.1	127511	AA	CC	CC	INTERGENIC		
SNP_44486B_127515	scaffold298	NW_004515810.1	127515	AA	CC	CC	INTERGENIC		
SNP_44487B_127526	scaffold298	NW_004515810.1	127526	TT	CC	CC	INTERGENIC		
SNP_44488B_147749	scaffold298	NW_004515810.1	147749	GG	CC	CC	INTERGENIC		
SNP_44489B_155330	scaffold298	NW_004515810.1	155330	AA	GG	GG	INTERGENIC		
SNP_44490B_155336	scaffold298	NW_004515810.1	155336	GG	TT	TT	INTERGENIC		
SNP_44491B_155370	scaffold298	NW_004515810.1	155370	AA	GG	GG	INTERGENIC		
SNP_44492B_155513	scaffold298	NW_004515810.1	155513	CC	TT	TT	INTERGENIC		
SNP_44493B_155679	scaffold298	NW_004515810.1	155679	CC	TT	TT	INTERGENIC		
SNP_44494B_155700	scaffold298	NW_004515810.1	155700	GG	AA	AA	INTERGENIC		
SNP_44496B_193600	scaffold298	NW_004515810.1	193600	AA	CC	CC	INTERGENIC		
SNP_44497B_193658	scaffold298	NW_004515810.1	193658	GG	AA	AA	INTERGENIC		
SNP_44498B_202059	scaffold298	NW_004515810.1	202059	AA	GG	GG	INTERGENIC		
SNP_44499B_202091	scaffold298	NW_004515810.1	202091	AA	GG	GG	INTERGENIC		
SNP_44500B_204962	scaffold298	NW_004515810.1	204962	TT	CC	CC	INTERGENIC		
SNP_44501B_207801	scaffold298	NW_004515810.1	207801	TT	AA	AA	INTERGENIC		
SNP_44502B_207852	scaffold298	NW_004515810.1	207852	TT	GG	GG	INTERGENIC		
SNP_44503B_207915	scaffold298	NW_004515810.1	207915	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44504B_207966	scaffold298	NW_004515810.1	207966	GG	TT	TT	INTERGENIC		
SNP_44505B_208055	scaffold298	NW_004515810.1	208055	GG	AA	AA	INTERGENIC		
SNP_44506B_208076	scaffold298	NW_004515810.1	208076	AA	GG	GG	INTERGENIC		
SNP_44509B_208249	scaffold298	NW_004515810.1	208249	CC	TT	TT	INTERGENIC		
SNP_44510B_208347	scaffold298	NW_004515810.1	208347	AA	GG	GG	INTERGENIC		
SNP_44511B_208376	scaffold298	NW_004515810.1	208376	CC	GG	GG	INTERGENIC		
SNP_44512B_208381	scaffold298	NW_004515810.1	208381	GG	AA	AA	INTERGENIC		
SNP_44513B_208490	scaffold298	NW_004515810.1	208490	GG	AA	AA	INTERGENIC		
SNP_44514B_208502	scaffold298	NW_004515810.1	208502	GG	AA	AA	INTERGENIC		
SNP_44515B_208619	scaffold298	NW_004515810.1	208619	TT	AA	AA	INTERGENIC		
SNP_44516B_208620	scaffold298	NW_004515810.1	208620	AA	TT	TT	INTERGENIC		
SNP_44517B_208664	scaffold298	NW_004515810.1	208664	AA	GG	GG	INTERGENIC		
SNP_44518B_210715	scaffold298	NW_004515810.1	210715	GG	AA	AA	INTERGENIC		
SNP_44519B_211731	scaffold298	NW_004515810.1	211731	AA	CC	CC	INTERGENIC		
SNP_44520B_211739	scaffold298	NW_004515810.1	211739	GG	TT	TT	INTERGENIC		
SNP_44521B_211963	scaffold298	NW_004515810.1	211963	AA	TT	TT	INTERGENIC		
SNP_44523B_212157	scaffold298	NW_004515810.1	212157	GG	TT	TT	INTERGENIC		
SNP_44524B_212176	scaffold298	NW_004515810.1	212176	AA	TT	TT	INTERGENIC		
SNP_44525B_212739	scaffold298	NW_004515810.1	212739	AA	TT	TT	INTERGENIC		
SNP_44526B_10979	scaffold299	NW_004515811.1	10979	TT	CC	CC	INTERGENIC		
SNP_44527B_10993	scaffold299	NW_004515811.1	10993	AA	TT	TT	INTERGENIC		
SNP_44528B_10994	scaffold299	NW_004515811.1	10994	GG	AA	AA	INTERGENIC		
SNP_44529B_11001	scaffold299	NW_004515811.1	11001	TT	GG	GG	INTERGENIC		
SNP_44530B_36460	scaffold299	NW_004515811.1	36460	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44531B_36520	scaffold299	NW_004515811.1	36520	AA	GG	GG	INTERGENIC		
SNP_44532B_36526	scaffold299	NW_004515811.1	36526	GG	TT	TT	INTERGENIC		
SNP_44533B_52696	scaffold299	NW_004515811.1	52696	TT	GG	GG	INTERGENIC		
SNP_44535B_66427	scaffold299	NW_004515811.1	66427	GG	CC	CC	DRR	101502946	uncharacterized LOC101502946
SNP_44536B_112803	scaffold299	NW_004515811.1	112803	AA	GG	GG	INTERGENIC		
SNP_44537B_121209	scaffold299	NW_004515811.1	121209	TT	GG	GG	INTERGENIC		
SNP_44538B_135144	scaffold299	NW_004515811.1	135144	AA	CC	CC	INTRON	101503158	pescadillo homolog
SNP_44539B_153177	scaffold299	NW_004515811.1	153177	AA	GG	GG	INTERGENIC		
SNP_44540B_153219	scaffold299	NW_004515811.1	153219	AA	GG	GG	INTERGENIC		
SNP_44541B_158540	scaffold299	NW_004515811.1	158540	AA	TT	TT	URR	101504679	probable UDP-arabinopyranose mutase 5
SNP_44542B_158625	scaffold299	NW_004515811.1	158625	AA	GG	GG	URR	101504679	probable UDP-arabinopyranose mutase 5
SNP_44543B_158654	scaffold299	NW_004515811.1	158654	AA	GG	GG	URR	101504679	probable UDP-arabinopyranose mutase 5
SNP_44544B_158693	scaffold299	NW_004515811.1	158693	TT	GG	GG	URR	101504679	probable UDP-arabinopyranose mutase 5
SNP_44545B_158720	scaffold299	NW_004515811.1	158720	GG	AA	AA	URR	101504679	probable UDP-arabinopyranose mutase 5
SNP_44546B_158734	scaffold299	NW_004515811.1	158734	CC	TT	TT	URR	101504679	probable UDP-arabinopyranose mutase 5
SNP_44547B_158948	scaffold299	NW_004515811.1	158948	AA	GG	GG	URR	101504679	probable UDP-arabinopyranose mutase 5
SNP_44549B_158966	scaffold299	NW_004515811.1	158966	AA	CC	CC	URR	101504679	probable UDP-arabinopyranose mutase 5
SNP_44550B_205981	scaffold299	NW_004515811.1	205981	GG	CC	CC	INTERGENIC		
SNP_44551B_206110	scaffold299	NW_004515811.1	206110	TT	GG	GG	INTERGENIC		
SNP_44552B_206172	scaffold299	NW_004515811.1	206172	CC	TT	TT	INTERGENIC		
SNP_44553B_206216	scaffold299	NW_004515811.1	206216	AA	GG	GG	INTERGENIC		
SNP_44554B_206416	scaffold299	NW_004515811.1	206416	AA	CC	CC	INTERGENIC		
SNP_44555B_206471	scaffold299	NW_004515811.1	206471	AA	GG	GG	INTERGENIC		
SNP_44556B_206535	scaffold299	NW_004515811.1	206535	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44557B_213277	scaffold299	NW_004515811.1	213277	AA	GG	GG	INTERGENIC		
SNP_44558B_213617	scaffold299	NW_004515811.1	213617	CC	TT	TT	INTERGENIC		
SNP_44559B_213653	scaffold299	NW_004515811.1	213653	AA	TT	TT	INTERGENIC		
SNP_44560B_213801	scaffold299	NW_004515811.1	213801	TT	CC	CC	INTERGENIC		
SNP_44561B_6570	scaffold300	NW_004515812.1	6570	TT	AA	AA	INTERGENIC		
SNP_44562B_8004	scaffold300	NW_004515812.1	8004	TT	GG	GG	INTERGENIC		
SNP_44563B_12567	scaffold300	NW_004515812.1	12567	AA	TT	TT	INTERGENIC		
SNP_44564B_23961	scaffold300	NW_004515812.1	23961	TT	AA	AA	INTERGENIC		
SNP_44565B_28290	scaffold300	NW_004515812.1	28290	CC	AA	AA	INTERGENIC		
SNP_44566B_31641	scaffold300	NW_004515812.1	31641	CC	TT	TT	INTERGENIC		
SNP_44567B_31644	scaffold300	NW_004515812.1	31644	CC	GG	GG	INTERGENIC		
SNP_44568B_32774	scaffold300	NW_004515812.1	32774	CC	GG	GG	INTERGENIC		
SNP_44569B_41063	scaffold300	NW_004515812.1	41063	AA	GG	GG	INTERGENIC		
SNP_44570B_41064	scaffold300	NW_004515812.1	41064	CC	GG	GG	INTERGENIC		
SNP_44571B_45448	scaffold300	NW_004515812.1	45448	AA	GG	GG	INTERGENIC		
SNP_44572B_57867	scaffold300	NW_004515812.1	57867	CC	TT	TT	INTERGENIC		
SNP_44574B_101023	scaffold300	NW_004515812.1	101023	TT	CC	CC	INTERGENIC		
SNP_44575B_101412	scaffold300	NW_004515812.1	101412	AA	CC	CC	INTERGENIC		
SNP_44576B_101452	scaffold300	NW_004515812.1	101452	AA	GG	GG	INTERGENIC		
SNP_44577B_101495	scaffold300	NW_004515812.1	101495	TT	GG	GG	INTERGENIC		
SNP_44578B_101536	scaffold300	NW_004515812.1	101536	CC	GG	GG	INTERGENIC		
SNP_44579B_101540	scaffold300	NW_004515812.1	101540	CC	GG	GG	INTERGENIC		
SNP_44580B_101541	scaffold300	NW_004515812.1	101541	AA	TT	TT	INTERGENIC		
SNP_44581B_101599	scaffold300	NW_004515812.1	101599	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44582B_101634	scaffold300	NW_004515812.1	101634	AA	CC	CC	INTERGENIC		
SNP_44583B_5233	scaffold303	NW_004515814.1	5233	TT	CC	CC	INTERGENIC		
SNP_44584B_9923	scaffold303	NW_004515814.1	9923	CC	TT	TT	INTERGENIC		
SNP_44585B_9933	scaffold303	NW_004515814.1	9933	TT	AA	AA	INTERGENIC		
SNP_44586B_9944	scaffold303	NW_004515814.1	9944	TT	GG	GG	INTERGENIC		
SNP_44587B_29830	scaffold303	NW_004515814.1	29830	AA	CC	CC	INTERGENIC		
SNP_44588B_30257	scaffold303	NW_004515814.1	30257	GG	TT	TT	INTERGENIC		
SNP_44589B_89526	scaffold303	NW_004515814.1	89526	AA	GG	GG	INTERGENIC		
SNP_44590B_120605	scaffold303	NW_004515814.1	120605	GG	TT	TT	INTERGENIC		
SNP_44591B_120655	scaffold303	NW_004515814.1	120655	TT	CC	CC	INTERGENIC		
SNP_44593B_648	scaffold304	NW_004515815.1	648	TT	AA	AA	INTERGENIC		
SNP_44594B_649	scaffold304	NW_004515815.1	649	AA	TT	TT	INTERGENIC		
SNP_44595B_868	scaffold304	NW_004515815.1	868	GG	AA	AA	INTERGENIC		
SNP_44596B_2106	scaffold305	NW_004515816.1	2106	TT	CC	CC	INTERGENIC		
SNP_44597B_2107	scaffold305	NW_004515816.1	2107	AA	TT	TT	INTERGENIC		
SNP_44598B_3942	scaffold305	NW_004515816.1	3942	CC	AA	AA	INTERGENIC		
SNP_44599B_3954	scaffold305	NW_004515816.1	3954	TT	GG	GG	INTERGENIC		
SNP_44600B_4072	scaffold305	NW_004515816.1	4072	TT	CC	CC	INTERGENIC		
SNP_44601B_30042	scaffold305	NW_004515816.1	30042	AA	GG	GG	INTERGENIC		
SNP_44602B_30364	scaffold305	NW_004515816.1	30364	GG	CC	CC	DRR	101506938	uncharacterized LOC101506938
SNP_44603B_30370	scaffold305	NW_004515816.1	30370	CC	TT	TT	DRR	101506938	uncharacterized LOC101506938
SNP_44604B_30388	scaffold305	NW_004515816.1	30388	AA	GG	GG	DRR	101506938	uncharacterized LOC101506938
SNP_44605B_30413	scaffold305	NW_004515816.1	30413	TT	CC	CC	DRR	101506938	uncharacterized LOC101506938
SNP_44606B_30424	scaffold305	NW_004515816.1	30424	AA	GG	GG	DRR	101506938	uncharacterized LOC101506938

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44607B_31562	scaffold305	NW_004515816.1	31562	TT	GG	GG	INTERGENIC		
SNP_44608B_31568	scaffold305	NW_004515816.1	31568	TT	AA	AA	INTERGENIC		
SNP_44609B_31578	scaffold305	NW_004515816.1	31578	GG	AA	AA	INTERGENIC		
SNP_44610B_31633	scaffold305	NW_004515816.1	31633	TT	CC	CC	INTERGENIC		
SNP_44611B_31679	scaffold305	NW_004515816.1	31679	TT	CC	CC	INTERGENIC		
SNP_44612B_31771	scaffold305	NW_004515816.1	31771	TT	GG	GG	INTERGENIC		
SNP_44613B_31781	scaffold305	NW_004515816.1	31781	TT	CC	CC	INTERGENIC		
SNP_44614B_31927	scaffold305	NW_004515816.1	31927	CC	TT	TT	INTERGENIC		
SNP_44615B_31948	scaffold305	NW_004515816.1	31948	AA	GG	GG	INTERGENIC		
SNP_44616B_31958	scaffold305	NW_004515816.1	31958	CC	TT	TT	INTERGENIC		
SNP_44617B_31967	scaffold305	NW_004515816.1	31967	TT	CC	CC	INTERGENIC		
SNP_44618B_31994	scaffold305	NW_004515816.1	31994	GG	AA	AA	INTERGENIC		
SNP_44619B_32054	scaffold305	NW_004515816.1	32054	CC	TT	TT	INTERGENIC		
SNP_44620B_99787	scaffold305	NW_004515816.1	99787	GG	TT	TT	INTERGENIC		
SNP_44621B_99805	scaffold305	NW_004515816.1	99805	GG	TT	TT	INTERGENIC		
SNP_44622B_124800	scaffold305	NW_004515816.1	124800	CC	AA	AA	INTERGENIC		
SNP_44623B_124816	scaffold305	NW_004515816.1	124816	TT	CC	CC	INTERGENIC		
SNP_44624B_124848	scaffold305	NW_004515816.1	124848	GG	TT	TT	INTERGENIC		
SNP_44625B_193196	scaffold305	NW_004515816.1	193196	AA	GG	GG	INTERGENIC		
SNP_44626B_205093	scaffold305	NW_004515816.1	205093	CC	TT	TT	INTERGENIC		
SNP_44627B_205131	scaffold305	NW_004515816.1	205131	CC	AA	AA	INTERGENIC		
SNP_44628B_205461	scaffold305	NW_004515816.1	205461	AA	TT	TT	INTERGENIC		
SNP_44629B_44853	scaffold306	NW_004515817.1	44853	AA	GG	GG	INTERGENIC		
SNP_44630B_45891	scaffold306	NW_004515817.1	45891	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44631B_58898	scaffold306	NW_004515817.1	58898	TT	AA	AA	INTERGENIC		
SNP_44632B_88789	scaffold306	NW_004515817.1	88789	CC	AA	AA	INTERGENIC		
SNP_44633B_95819	scaffold306	NW_004515817.1	95819	CC	AA	AA	URR	101513887	methanol O-anthraniloyltransferase-like
SNP_44634B_96395	scaffold306	NW_004515817.1	96395	TT	GG	GG	URR	101513887	methanol O-anthraniloyltransferase-like
SNP_44635B_97702	scaffold306	NW_004515817.1	97702	CC	TT	TT	INTERGENIC		
SNP_44636B_100687	scaffold306	NW_004515817.1	100687	AA	TT	TT	INTERGENIC		
SNP_44637B_106003	scaffold306	NW_004515817.1	106003	CC	TT	TT	INTERGENIC		
SNP_44638B_126581	scaffold306	NW_004515817.1	126581	CC	TT	TT	INTRON	101514232	13-hydroxylupanine O-tigloyltransferase-like
SNP_44639B_127489	scaffold306	NW_004515817.1	127489	AA	TT	TT	INTRON	101514232	13-hydroxylupanine O-tigloyltransferase-like
SNP_44640B_127671	scaffold306	NW_004515817.1	127671	AA	GG	GG	INTRON	101514232	13-hydroxylupanine O-tigloyltransferase-like
SNP_44641B_127679	scaffold306	NW_004515817.1	127679	CC	TT	TT	INTRON	101514232	13-hydroxylupanine O-tigloyltransferase-like
SNP_44642B_127822	scaffold306	NW_004515817.1	127822	CC	GG	GG	INTRON	101514232	13-hydroxylupanine O-tigloyltransferase-like
SNP_44643B_128122	scaffold306	NW_004515817.1	128122	CC	TT	TT	INTRON	101514232	13-hydroxylupanine O-tigloyltransferase-like
SNP_44644B_128171	scaffold306	NW_004515817.1	128171	TT	AA	AA	INTRON	101514232	13-hydroxylupanine O-tigloyltransferase-like
SNP_44645B_128173	scaffold306	NW_004515817.1	128173	AA	TT	TT	INTRON	101514232	13-hydroxylupanine O-tigloyltransferase-like
SNP_44647B_128619	scaffold306	NW_004515817.1	128619	GG	AA	AA	INTRON	101514232	13-hydroxylupanine O-tigloyltransferase-like
SNP_44648B_128864	scaffold306	NW_004515817.1	128864	AA	GG	GG	INTRON	101514232	13-hydroxylupanine O-tigloyltransferase-like
SNP_44649B_130338	scaffold306	NW_004515817.1	130338	GG	AA	AA	INTRON	101514232	13-hydroxylupanine O-tigloyltransferase-like
SNP_44650B_130525	scaffold306	NW_004515817.1	130525	CC	TT	TT	INTRON	101514232	13-hydroxylupanine O-tigloyltransferase-like
SNP_44651B_130666	scaffold306	NW_004515817.1	130666	TT	GG	GG	INTRON	101514232	13-hydroxylupanine O-tigloyltransferase-like
SNP_44652B_130767	scaffold306	NW_004515817.1	130767	AA	CC	CC	INTRON	101514232	13-hydroxylupanine O-tigloyltransferase-like
SNP_44653B_131271	scaffold306	NW_004515817.1	131271	AA	TT	TT	INTRON	101514232	13-hydroxylupanine O-tigloyltransferase-like
SNP_44654B_131368	scaffold306	NW_004515817.1	131368	TT	CC	CC	INTRON	101514232	13-hydroxylupanine O-tigloyltransferase-like
SNP_44655B_131508	scaffold306	NW_004515817.1	131508	AA	GG	GG	INTRON	101514232	13-hydroxylupanine O-tigloyltransferase-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44656B_131708	scaffold306	NW_004515817.1	131708	AA	GG	GG	INTRON	101514232	13-hydroxylupanine O-tigloyltransferase-like
SNP_44657B_146596	scaffold306	NW_004515817.1	146596	TT	CC	CC	INTERGENIC		
SNP_44658B_146626	scaffold306	NW_004515817.1	146626	GG	AA	AA	INTERGENIC		
SNP_44659B_149245	scaffold306	NW_004515817.1	149245	TT	GG	GG	INTERGENIC		
SNP_44660B_162934	scaffold306	NW_004515817.1	162934	TT	GG	GG	INTERGENIC		
SNP_44662B_166464	scaffold306	NW_004515817.1	166464	AA	TT	TT	INTERGENIC		
SNP_44663B_166472	scaffold306	NW_004515817.1	166472	AA	GG	GG	INTERGENIC		
SNP_44664B_166670	scaffold306	NW_004515817.1	166670	CC	GG	GG	INTERGENIC		
SNP_44665B_166867	scaffold306	NW_004515817.1	166867	AA	GG	GG	INTERGENIC		
SNP_44666B_186590	scaffold306	NW_004515817.1	186590	TT	AA	AA	INTRON	101511955	13-hydroxylupanine O-tigloyltransferase-like
SNP_44667B_197432	scaffold306	NW_004515817.1	197432	TT	AA	AA	NON_SYNONYMOUS_CODING	101511955	13-hydroxylupanine O-tigloyltransferase-like
SNP_44668B_203336	scaffold306	NW_004515817.1	203336	CC	TT	TT	INTERGENIC		
SNP_44669B_203645	scaffold306	NW_004515817.1	203645	TT	GG	GG	INTERGENIC		
SNP_44670B_208200	scaffold306	NW_004515817.1	208200	CC	AA	AA	INTERGENIC		
SNP_44671B_213227	scaffold306	NW_004515817.1	213227	TT	CC	CC	INTERGENIC		
SNP_44672B_213229	scaffold306	NW_004515817.1	213229	GG	AA	AA	INTERGENIC		
SNP_44673B_214855	scaffold306	NW_004515817.1	214855	AA	CC	CC	DRR	101514546	uncharacterized LOC101514546
SNP_44674B_214919	scaffold306	NW_004515817.1	214919	CC	TT	TT	NON_SYNONYMOUS_CODING	101514546	uncharacterized LOC101514546
SNP_44675B_214984	scaffold306	NW_004515817.1	214984	AA	GG	GG	NON_SYNONYMOUS_CODING	101514546	uncharacterized LOC101514546
SNP_44676B_214988	scaffold306	NW_004515817.1	214988	AA	CC	CC	NON_SYNONYMOUS_CODING	101514546	uncharacterized LOC101514546
SNP_44677B_215293	scaffold306	NW_004515817.1	215293	TT	GG	GG	NON_SYNONYMOUS_CODING	101514546	uncharacterized LOC101514546
SNP_44678B_215300	scaffold306	NW_004515817.1	215300	AA	CC	CC	NON_SYNONYMOUS_CODING	101514546	uncharacterized LOC101514546
SNP_44679B_216430	scaffold306	NW_004515817.1	216430	TT	GG	GG	URR	101514546	uncharacterized LOC101514546
SNP_44680B_219494	scaffold306	NW_004515817.1	219494	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44681B_221630	scaffold306	NW_004515817.1	221630	GG	CC	CC	INTERGENIC		
SNP_44682B_269242	scaffold306	NW_004515817.1	269242	GG	CC	CC	INTRON	101512283	13-hydroxylupanine O-tigloyltransferase-like
SNP_44683B_270236	scaffold306	NW_004515817.1	270236	TT	CC	CC	SYNONYMOUS_CODING	101512283	13-hydroxylupanine O-tigloyltransferase-like
SNP_44684B_280297	scaffold306	NW_004515817.1	280297	GG	CC	CC	INTERGENIC		
SNP_44685B_302242	scaffold306	NW_004515817.1	302242	AA	GG	GG	INTERGENIC		
SNP_44686B_334394	scaffold306	NW_004515817.1	334394	GG	TT	TT	INTERGENIC		
SNP_44687B_371586	scaffold306	NW_004515817.1	371586	TT	CC	CC	INTERGENIC		
SNP_44688B_418278	scaffold306	NW_004515817.1	418278	AA	GG	GG	INTERGENIC		
SNP_44689B_418287	scaffold306	NW_004515817.1	418287	AA	TT	TT	INTERGENIC		
SNP_44690B_418509	scaffold306	NW_004515817.1	418509	CC	AA	AA	INTERGENIC		
SNP_44691B_418614	scaffold306	NW_004515817.1	418614	AA	CC	CC	INTERGENIC		
SNP_44692B_424731	scaffold306	NW_004515817.1	424731	CC	AA	AA	DRR	101513577	13-hydroxylupanine O-tigloyltransferase-like
SNP_44693B_445440	scaffold306	NW_004515817.1	445440	AA	GG	GG	INTERGENIC		
SNP_44694B_447316	scaffold306	NW_004515817.1	447316	TT	CC	CC	INTERGENIC		
SNP_44695B_449488	scaffold306	NW_004515817.1	449488	TT	CC	CC	DRR	101488270	Unknown function
SNP_44696B_464354	scaffold306	NW_004515817.1	464354	GG	TT	TT	INTERGENIC		
SNP_44697B_464470	scaffold306	NW_004515817.1	464470	CC	TT	TT	INTERGENIC		
SNP_44698B_464755	scaffold306	NW_004515817.1	464755	AA	GG	GG	INTERGENIC		
SNP_44699B_467890	scaffold306	NW_004515817.1	467890	GG	TT	TT	INTERGENIC		
SNP_44700B_467940	scaffold306	NW_004515817.1	467940	TT	CC	CC	INTERGENIC		
SNP_44701B_483523	scaffold306	NW_004515817.1	483523	TT	CC	CC	INTERGENIC		
SNP_44702B_69929	scaffold308_2	NW_004515818.1	69929	GG	AA	AA	INTERGENIC		
SNP_44703B_69960	scaffold308_2	NW_004515818.1	69960	TT	GG	GG	INTERGENIC		
SNP_44704B_76110	scaffold308_2	NW_004515818.1	76110	CC	TT	TT	URR	101493714	sucrose synthase 6-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44705B_76267	scaffold308_2	NW_004515818.1	76267	AA	GG	GG	URR	101493714	sucrose synthase 6-like
SNP_44707B_79711	scaffold308_2	NW_004515818.1	79711	CC	GG	GG	URR	101494034	sucrose synthase 5-like
SNP_44708B_79713	scaffold308_2	NW_004515818.1	79713	AA	GG	GG	URR	101494034	sucrose synthase 5-like
SNP_44709B_79756	scaffold308_2	NW_004515818.1	79756	CC	TT	TT	URR	101494034	sucrose synthase 5-like
SNP_44710B_84021	scaffold308_2	NW_004515818.1	84021	CC	AA	AA	URR	101494350	sucrose synthase 6-like
SNP_44711B_84096	scaffold308_2	NW_004515818.1	84096	AA	GG	GG	URR	101494350	sucrose synthase 6-like
SNP_44712B_84675	scaffold308_2	NW_004515818.1	84675	CC	TT	TT	URR	101494350	sucrose synthase 6-like
SNP_44713B_84683	scaffold308_2	NW_004515818.1	84683	GG	AA	AA	URR	101494350	sucrose synthase 6-like
SNP_44714B_84767	scaffold308_2	NW_004515818.1	84767	TT	CC	CC	URR	101494350	sucrose synthase 6-like
SNP_44715B_84848	scaffold308_2	NW_004515818.1	84848	AA	GG	GG	URR	101494350	sucrose synthase 6-like
SNP_44716B_84889	scaffold308_2	NW_004515818.1	84889	TT	AA	AA	URR	101494350	sucrose synthase 6-like
SNP_44717B_85042	scaffold308_2	NW_004515818.1	85042	GG	AA	AA	URR	101494350	sucrose synthase 6-like
SNP_44719B_85441	scaffold308_2	NW_004515818.1	85441	TT	AA	AA	INTERGENIC		
SNP_44720B_85514	scaffold308_2	NW_004515818.1	85514	TT	AA	AA	INTERGENIC		
SNP_44721B_173909	scaffold308_2	NW_004515818.1	173909	AA	GG	GG	INTERGENIC		
SNP_44722B_174292	scaffold308_2	NW_004515818.1	174292	AA	GG	GG	INTERGENIC		
SNP_44723B_262432	scaffold308_2	NW_004515818.1	262432	GG	TT	TT	DRR	101491428	photosystem II reaction center protein K-like
SNP_44724B_262469	scaffold308_2	NW_004515818.1	262469	AA	GG	GG	DRR	101491428	photosystem II reaction center protein K-like
SNP_44726B_263428	scaffold308_2	NW_004515818.1	263428	AA	GG	GG	URR	101491428	photosystem II reaction center protein K-like
SNP_44727B_263534	scaffold308_2	NW_004515818.1	263534	GG	CC	CC	URR	101491428	photosystem II reaction center protein K-like
SNP_44728B_263546	scaffold308_2	NW_004515818.1	263546	CC	TT	TT	URR	101491428	photosystem II reaction center protein K-like
SNP_44729B_263580	scaffold308_2	NW_004515818.1	263580	AA	GG	GG	URR	101491428	photosystem II reaction center protein K-like
SNP_44730B_263596	scaffold308_2	NW_004515818.1	263596	TT	CC	CC	URR	101491428	photosystem II reaction center protein K-like
SNP_44731B_263630	scaffold308_2	NW_004515818.1	263630	CC	GG	GG	URR	101491428	photosystem II reaction center protein K-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44732B_263639	scaffold308_2	NW_004515818.1	263639	GG	AA	AA	URR	101491428	photosystem II reaction center protein K-like
SNP_44733B_263649	scaffold308_2	NW_004515818.1	263649	CC	AA	AA	URR	101491428	photosystem II reaction center protein K-like
SNP_44734B_263650	scaffold308_2	NW_004515818.1	263650	TT	CC	CC	URR	101491428	photosystem II reaction center protein K-like
SNP_44735B_264340	scaffold308_2	NW_004515818.1	264340	AA	GG	GG	URR	101491428	photosystem II reaction center protein K-like
SNP_44736B_264341	scaffold308_2	NW_004515818.1	264341	CC	AA	AA	URR	101491428	photosystem II reaction center protein K-like
SNP_44738B_264371	scaffold308_2	NW_004515818.1	264371	GG	TT	TT	URR	101491428	photosystem II reaction center protein K-like
SNP_44740B_264419	scaffold308_2	NW_004515818.1	264419	AA	GG	GG	URR	101491428	photosystem II reaction center protein K-like
SNP_44741B_264472	scaffold308_2	NW_004515818.1	264472	AA	TT	TT	URR	101491428	photosystem II reaction center protein K-like
SNP_44742B_264499	scaffold308_2	NW_004515818.1	264499	GG	CC	CC	URR	101491428	photosystem II reaction center protein K-like
SNP_44744B_264557	scaffold308_2	NW_004515818.1	264557	AA	GG	GG	URR	101491428	photosystem II reaction center protein K-like
SNP_44745B_264589	scaffold308_2	NW_004515818.1	264589	TT	AA	AA	URR	101491428	photosystem II reaction center protein K-like
SNP_44746B_264602	scaffold308_2	NW_004515818.1	264602	AA	GG	GG	URR	101491428	photosystem II reaction center protein K-like
SNP_44748B_264880	scaffold308_2	NW_004515818.1	264880	CC	AA	AA	URR	101491428	photosystem II reaction center protein K-like
SNP_44749B_264885	scaffold308_2	NW_004515818.1	264885	TT	AA	AA	URR	101491428	photosystem II reaction center protein K-like
SNP_44750B_264912	scaffold308_2	NW_004515818.1	264912	TT	CC	CC	URR	101491428	photosystem II reaction center protein K-like
SNP_44751B_264956	scaffold308_2	NW_004515818.1	264956	AA	GG	GG	URR	101491428	photosystem II reaction center protein K-like
SNP_44752B_265008	scaffold308_2	NW_004515818.1	265008	TT	CC	CC	URR	101491428	photosystem II reaction center protein K-like
SNP_44753B_265368	scaffold308_2	NW_004515818.1	265368	GG	AA	AA	URR	101491741	photosystem II reaction center protein I-like
SNP_44754B_265395	scaffold308_2	NW_004515818.1	265395	TT	CC	CC	URR	101491741	photosystem II reaction center protein I-like
SNP_44755B_265423	scaffold308_2	NW_004515818.1	265423	AA	GG	GG	URR	101491741	photosystem II reaction center protein I-like
SNP_44757B_265767	scaffold308_2	NW_004515818.1	265767	TT	CC	CC	URR	101491741	photosystem II reaction center protein I-like
SNP_44758B_265820	scaffold308_2	NW_004515818.1	265820	TT	AA	AA	URR	101491741	photosystem II reaction center protein I-like
SNP_44759B_265837	scaffold308_2	NW_004515818.1	265837	TT	CC	CC	URR	101491741	photosystem II reaction center protein I-like
SNP_44760B_266021	scaffold308_2	NW_004515818.1	266021	TT	CC	CC	URR	101491741	photosystem II reaction center protein I-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44761B_266366	scaffold308_2	NW_004515818.1	266366	AA	GG	GG	INTERGENIC		
SNP_44762B_266372	scaffold308_2	NW_004515818.1	266372	TT	AA	AA	INTERGENIC		
SNP_44763B_266380	scaffold308_2	NW_004515818.1	266380	TT	CC	CC	INTERGENIC		
SNP_44764B_267031	scaffold308_2	NW_004515818.1	267031	AA	GG	GG	URR	101495957	Unknown function
SNP_44765B_267037	scaffold308_2	NW_004515818.1	267037	TT	CC	CC	URR	101495957	Unknown function
SNP_44766B_320736	scaffold308_2	NW_004515818.1	320736	AA	GG	GG	INTERGENIC		
SNP_44767B_325474	scaffold308_2	NW_004515818.1	325474	TT	AA	AA	INTERGENIC		
SNP_44768B_325584	scaffold308_2	NW_004515818.1	325584	CC	TT	TT	INTERGENIC		
SNP_44769B_6792	scaffold310	NW_004515819.1	6792	TT	CC	CC	INTERGENIC		
SNP_44770B_7429	scaffold310	NW_004515819.1	7429	CC	TT	TT	INTERGENIC		
SNP_44771B_7456	scaffold310	NW_004515819.1	7456	TT	CC	CC	INTERGENIC		
SNP_44772B_7857	scaffold310	NW_004515819.1	7857	GG	CC	CC	INTERGENIC		
SNP_44773B_12364	scaffold310	NW_004515819.1	12364	GG	TT	TT	INTERGENIC		
SNP_44774B_12478	scaffold310	NW_004515819.1	12478	GG	AA	AA	INTERGENIC		
SNP_44775B_24047	scaffold310	NW_004515819.1	24047	TT	AA	AA	INTERGENIC		
SNP_44776B_24101	scaffold310	NW_004515819.1	24101	AA	TT	TT	INTERGENIC		
SNP_44777B_24201	scaffold310	NW_004515819.1	24201	GG	AA	AA	INTERGENIC		
SNP_44778B_25854	scaffold310	NW_004515819.1	25854	AA	GG	GG	INTERGENIC		
SNP_44779B_26214	scaffold310	NW_004515819.1	26214	CC	TT	TT	INTERGENIC		
SNP_44781B_26294	scaffold310	NW_004515819.1	26294	GG	AA	AA	INTERGENIC		
SNP_44782B_34773	scaffold310	NW_004515819.1	34773	AA	GG	GG	INTERGENIC		
SNP_44783B_37948	scaffold310	NW_004515819.1	37948	TT	AA	AA	INTERGENIC		
SNP_44784B_38250	scaffold310	NW_004515819.1	38250	TT	AA	AA	INTERGENIC		
SNP_44785B_38268	scaffold310	NW_004515819.1	38268	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44786B_39835	scaffold310	NW_004515819.1	39835	TT	AA	AA	INTERGENIC		
SNP_44787B_4226	scaffold311	NW_004515820.1	4226	AA	GG	GG	INTERGENIC		
SNP_44788B_9868	scaffold311	NW_004515820.1	9868	GG	AA	AA	INTERGENIC		
SNP_44789B_9894	scaffold311	NW_004515820.1	9894	AA	TT	TT	INTERGENIC		
SNP_44790B_19247	scaffold311	NW_004515820.1	19247	TT	GG	GG	INTERGENIC		
SNP_44791B_21237	scaffold311	NW_004515820.1	21237	GG	AA	AA	INTERGENIC		
SNP_44792B_21358	scaffold311	NW_004515820.1	21358	TT	CC	CC	INTERGENIC		
SNP_44793B_21367	scaffold311	NW_004515820.1	21367	AA	CC	CC	INTERGENIC		
SNP_44794B_22771	scaffold311	NW_004515820.1	22771	AA	TT	TT	INTERGENIC		
SNP_44796B_24003	scaffold311	NW_004515820.1	24003	GG	CC	CC	INTERGENIC		
SNP_44797B_24400	scaffold311	NW_004515820.1	24400	TT	CC	CC	INTERGENIC		
SNP_44798B_24533	scaffold311	NW_004515820.1	24533	TT	GG	GG	INTERGENIC		
SNP_44799B_24864	scaffold311	NW_004515820.1	24864	AA	GG	GG	INTERGENIC		
SNP_44800B_24921	scaffold311	NW_004515820.1	24921	GG	AA	AA	INTERGENIC		
SNP_44801B_25197	scaffold311	NW_004515820.1	25197	CC	GG	GG	INTERGENIC		
SNP_44802B_43377	scaffold311	NW_004515820.1	43377	AA	TT	TT	INTERGENIC		
SNP_44803B_43475	scaffold311	NW_004515820.1	43475	GG	AA	AA	INTERGENIC		
SNP_44804B_43689	scaffold311	NW_004515820.1	43689	AA	CC	CC	INTERGENIC		
SNP_44805B_43722	scaffold311	NW_004515820.1	43722	AA	GG	GG	INTERGENIC		
SNP_44806B_60618	scaffold311	NW_004515820.1	60618	AA	CC	CC	INTERGENIC		
SNP_44807B_90583	scaffold311	NW_004515820.1	90583	GG	TT	TT	INTERGENIC		
SNP_44808B_91595	scaffold311	NW_004515820.1	91595	GG	AA	AA	INTERGENIC		
SNP_44809B_91626	scaffold311	NW_004515820.1	91626	GG	TT	TT	INTERGENIC		
SNP_44810B_91629	scaffold311	NW_004515820.1	91629	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44812B_98091	scaffold311	NW_004515820.1	98091	AA	GG	GG	INTERGENIC		
SNP_44813B_98102	scaffold311	NW_004515820.1	98102	TT	CC	CC	INTERGENIC		
SNP_44814B_98103	scaffold311	NW_004515820.1	98103	CC	GG	GG	INTERGENIC		
SNP_44815B_98107	scaffold311	NW_004515820.1	98107	TT	AA	AA	INTERGENIC		
SNP_44816B_98112	scaffold311	NW_004515820.1	98112	AA	TT	TT	INTERGENIC		
SNP_44817B_98118	scaffold311	NW_004515820.1	98118	TT	AA	AA	INTERGENIC		
SNP_44818B_98143	scaffold311	NW_004515820.1	98143	GG	TT	TT	INTERGENIC		
SNP_44819B_102424	scaffold311	NW_004515820.1	102424	AA	CC	CC	INTERGENIC		
SNP_44820B_102433	scaffold311	NW_004515820.1	102433	AA	TT	TT	INTERGENIC		
SNP_44821B_123354	scaffold311	NW_004515820.1	123354	AA	TT	TT	INTERGENIC		
SNP_44822B_123536	scaffold311	NW_004515820.1	123536	AA	TT	TT	INTERGENIC		
SNP_44823B_123575	scaffold311	NW_004515820.1	123575	TT	CC	CC	INTERGENIC		
SNP_44824B_123601	scaffold311	NW_004515820.1	123601	AA	TT	TT	INTERGENIC		
SNP_44825B_123603	scaffold311	NW_004515820.1	123603	AA	CC	CC	INTERGENIC		
SNP_44826B_123609	scaffold311	NW_004515820.1	123609	TT	CC	CC	INTERGENIC		
SNP_44827B_123694	scaffold311	NW_004515820.1	123694	GG	AA	AA	INTERGENIC		
SNP_44828B_129354	scaffold311	NW_004515820.1	129354	TT	CC	CC	INTERGENIC		
SNP_44829B_129706	scaffold311	NW_004515820.1	129706	CC	TT	TT	INTERGENIC		
SNP_44830B_131355	scaffold311	NW_004515820.1	131355	GG	CC	CC	INTERGENIC		
SNP_44832B_135019	scaffold311	NW_004515820.1	135019	AA	CC	CC	INTERGENIC		
SNP_44833B_160278	scaffold311	NW_004515820.1	160278	AA	CC	CC	INTERGENIC		
SNP_44834B_160279	scaffold311	NW_004515820.1	160279	CC	AA	AA	INTERGENIC		
SNP_44835B_160324	scaffold311	NW_004515820.1	160324	CC	TT	TT	INTERGENIC		
SNP_44836B_160979	scaffold311	NW_004515820.1	160979	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44837B_169908	scaffold311	NW_004515820.1	169908	GG	AA	AA	INTERGENIC		
SNP_44838B_169970	scaffold311	NW_004515820.1	169970	TT	CC	CC	INTERGENIC		
SNP_44839B_180563	scaffold311	NW_004515820.1	180563	TT	GG	GG	INTERGENIC		
SNP_44840B_180656	scaffold311	NW_004515820.1	180656	AA	GG	GG	INTERGENIC		
SNP_44841B_180742	scaffold311	NW_004515820.1	180742	TT	CC	CC	INTERGENIC		
SNP_44842B_180906	scaffold311	NW_004515820.1	180906	GG	AA	AA	INTERGENIC		
SNP_44843B_180936	scaffold311	NW_004515820.1	180936	TT	CC	CC	INTERGENIC		
SNP_44844B_180937	scaffold311	NW_004515820.1	180937	GG	AA	AA	INTERGENIC		
SNP_44845B_180966	scaffold311	NW_004515820.1	180966	CC	TT	TT	INTERGENIC		
SNP_44846B_180997	scaffold311	NW_004515820.1	180997	AA	TT	TT	INTERGENIC		
SNP_44847B_181014	scaffold311	NW_004515820.1	181014	GG	AA	AA	INTERGENIC		
SNP_44848B_181017	scaffold311	NW_004515820.1	181017	CC	TT	TT	INTERGENIC		
SNP_44849B_181029	scaffold311	NW_004515820.1	181029	AA	GG	GG	INTERGENIC		
SNP_44850B_181049	scaffold311	NW_004515820.1	181049	GG	AA	AA	INTERGENIC		
SNP_44851B_181081	scaffold311	NW_004515820.1	181081	TT	CC	CC	INTERGENIC		
SNP_44852B_205852	scaffold311	NW_004515820.1	205852	TT	CC	CC	INTERGENIC		
SNP_44853B_205874	scaffold311	NW_004515820.1	205874	TT	AA	AA	INTERGENIC		
SNP_44855B_6274	scaffold313	NW_004515822.1	6274	CC	GG	GG	INTERGENIC		
SNP_44856B_6446	scaffold313	NW_004515822.1	6446	AA	TT	TT	INTERGENIC		
SNP_44857B_6447	scaffold313	NW_004515822.1	6447	CC	AA	AA	INTERGENIC		
SNP_44858B_6575	scaffold313	NW_004515822.1	6575	TT	GG	GG	INTERGENIC		
SNP_44859B_6723	scaffold313	NW_004515822.1	6723	AA	CC	CC	INTERGENIC		
SNP_44860B_6733	scaffold313	NW_004515822.1	6733	CC	TT	TT	INTERGENIC		
SNP_44861B_6774	scaffold313	NW_004515822.1	6774	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44862B_7441	scaffold313	NW_004515822.1	7441	AA	GG	GG	INTERGENIC		
SNP_44864B_22645	scaffold314	NW_004515823.1	22645	AA	GG	GG	INTERGENIC		
SNP_44865B_22686	scaffold314	NW_004515823.1	22686	AA	GG	GG	INTERGENIC		
SNP_44866B_22699	scaffold314	NW_004515823.1	22699	TT	CC	CC	INTERGENIC		
SNP_44867B_22706	scaffold314	NW_004515823.1	22706	CC	AA	AA	INTERGENIC		
SNP_44868B_22723	scaffold314	NW_004515823.1	22723	GG	AA	AA	INTERGENIC		
SNP_44869B_22765	scaffold314	NW_004515823.1	22765	TT	CC	CC	INTERGENIC		
SNP_44870B_22858	scaffold314	NW_004515823.1	22858	AA	GG	GG	INTERGENIC		
SNP_44871B_22880	scaffold314	NW_004515823.1	22880	CC	GG	GG	INTERGENIC		
SNP_44872B_22890	scaffold314	NW_004515823.1	22890	CC	TT	TT	INTERGENIC		
SNP_44873B_22918	scaffold314	NW_004515823.1	22918	AA	GG	GG	INTERGENIC		
SNP_44874B_23037	scaffold314	NW_004515823.1	23037	AA	GG	GG	INTERGENIC		
SNP_44875B_23164	scaffold314	NW_004515823.1	23164	CC	TT	TT	INTERGENIC		
SNP_44876B_23196	scaffold314	NW_004515823.1	23196	GG	TT	TT	INTERGENIC		
SNP_44877B_23218	scaffold314	NW_004515823.1	23218	GG	AA	AA	INTERGENIC		
SNP_44878B_23241	scaffold314	NW_004515823.1	23241	TT	GG	GG	INTERGENIC		
SNP_44879B_23297	scaffold314	NW_004515823.1	23297	AA	GG	GG	INTERGENIC		
SNP_44880B_23321	scaffold314	NW_004515823.1	23321	AA	GG	GG	INTERGENIC		
SNP_44881B_113458	scaffold314	NW_004515823.1	113458	GG	AA	AA	INTERGENIC		
SNP_44882B_189248	scaffold314	NW_004515823.1	189248	AA	GG	GG	INTERGENIC		
SNP_44883B_222657	scaffold314	NW_004515823.1	222657	CC	TT	TT	INTERGENIC		
SNP_44884B_222730	scaffold314	NW_004515823.1	222730	CC	TT	TT	INTERGENIC		
SNP_44885B_223479	scaffold314	NW_004515823.1	223479	GG	AA	AA	INTERGENIC		
SNP_44886B_223938	scaffold314	NW_004515823.1	223938	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44887B_224056	scaffold314	NW_004515823.1	224056	TT	CC	CC	INTERGENIC		
SNP_44888B_224324	scaffold314	NW_004515823.1	224324	CC	TT	TT	INTERGENIC		
SNP_44889B_224500	scaffold314	NW_004515823.1	224500	TT	GG	GG	INTERGENIC		
SNP_44890B_231751	scaffold314	NW_004515823.1	231751	GG	AA	AA	INTERGENIC		
SNP_44891B_232451	scaffold314	NW_004515823.1	232451	TT	GG	GG	INTERGENIC		
SNP_44892B_273754	scaffold314	NW_004515823.1	273754	TT	GG	GG	INTERGENIC		
SNP_44893B_275361	scaffold314	NW_004515823.1	275361	GG	CC	CC	INTERGENIC		
SNP_44894B_275416	scaffold314	NW_004515823.1	275416	AA	CC	CC	INTERGENIC		
SNP_44895B_275550	scaffold314	NW_004515823.1	275550	AA	GG	GG	INTERGENIC		
SNP_44896B_275619	scaffold314	NW_004515823.1	275619	TT	CC	CC	INTERGENIC		
SNP_44897B_275659	scaffold314	NW_004515823.1	275659	GG	TT	TT	INTERGENIC		
SNP_44898B_308207	scaffold314	NW_004515823.1	308207	TT	CC	CC	INTERGENIC		
SNP_44899B_316327	scaffold314	NW_004515823.1	316327	TT	GG	GG	INTERGENIC		
SNP_44900B_316627	scaffold314	NW_004515823.1	316627	AA	GG	GG	INTERGENIC		
SNP_44901B_378504	scaffold314	NW_004515823.1	378504	AA	GG	GG	INTERGENIC		
SNP_44902B_380896	scaffold314	NW_004515823.1	380896	TT	CC	CC	INTERGENIC		
SNP_44904B_629435	scaffold314	NW_004515823.1	629435	AA	GG	GG	INTERGENIC		
SNP_44905B_740745	scaffold314	NW_004515823.1	740745	TT	AA	AA	INTERGENIC		
SNP_44906B_740808	scaffold314	NW_004515823.1	740808	CC	TT	TT	INTERGENIC		
SNP_44907B_759737	scaffold314	NW_004515823.1	759737	AA	TT	TT	INTERGENIC		
SNP_44908B_760045	scaffold314	NW_004515823.1	760045	TT	CC	CC	INTERGENIC		
SNP_44909B_1020	scaffold315	NW_004515824.1	1020	GG	CC	CC	INTERGENIC		
SNP_44910B_308	scaffold317	NW_004515825.1	308	GG	AA	AA	INTERGENIC		
SNP_44911B_685	scaffold317	NW_004515825.1	685	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44912B_6490	scaffold317	NW_004515825.1	6490	CC	TT	TT	INTERGENIC		
SNP_44913B_46388	scaffold317	NW_004515825.1	46388	CC	TT	TT	INTERGENIC		
SNP_44914B_46476	scaffold317	NW_004515825.1	46476	AA	GG	GG	INTERGENIC		
SNP_44915B_46500	scaffold317	NW_004515825.1	46500	TT	CC	CC	INTERGENIC		
SNP_44916B_46565	scaffold317	NW_004515825.1	46565	GG	TT	TT	INTERGENIC		
SNP_44917B_46681	scaffold317	NW_004515825.1	46681	GG	CC	CC	INTERGENIC		
SNP_44918B_46710	scaffold317	NW_004515825.1	46710	AA	GG	GG	INTERGENIC		
SNP_44919B_46737	scaffold317	NW_004515825.1	46737	AA	GG	GG	INTERGENIC		
SNP_44920B_46770	scaffold317	NW_004515825.1	46770	TT	CC	CC	INTERGENIC		
SNP_44921B_46872	scaffold317	NW_004515825.1	46872	AA	GG	GG	INTERGENIC		
SNP_44922B_48303	scaffold317	NW_004515825.1	48303	CC	TT	TT	INTERGENIC		
SNP_44923B_54391	scaffold317	NW_004515825.1	54391	AA	GG	GG	INTERGENIC		
SNP_44924B_59794	scaffold317	NW_004515825.1	59794	TT	CC	CC	INTERGENIC		
SNP_44925B_105563	scaffold317	NW_004515825.1	105563	TT	GG	GG	INTERGENIC		
SNP_44926B_107736	scaffold317	NW_004515825.1	107736	AA	GG	GG	INTERGENIC		
SNP_44927B_107912	scaffold317	NW_004515825.1	107912	TT	CC	CC	INTERGENIC		
SNP_44928B_136405	scaffold317	NW_004515825.1	136405	TT	CC	CC	INTRON	101508115	uncharacterized LOC101508115
SNP_44929B_145788	scaffold317	NW_004515825.1	145788	GG	AA	AA	INTERGENIC		
SNP_44930B_145919	scaffold317	NW_004515825.1	145919	AA	GG	GG	INTERGENIC		
SNP_44931B_157193	scaffold317	NW_004515825.1	157193	TT	GG	GG	INTERGENIC		
SNP_44932B_171862	scaffold317	NW_004515825.1	171862	AA	GG	GG	INTERGENIC		
SNP_44933B_171928	scaffold317	NW_004515825.1	171928	CC	TT	TT	INTERGENIC		
SNP_44934B_173343	scaffold317	NW_004515825.1	173343	TT	GG	GG	INTERGENIC		
SNP_44935B_180274	scaffold317	NW_004515825.1	180274	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44936B_180298	scaffold317	NW_004515825.1	180298	TT	GG	GG	INTERGENIC		
SNP_44937B_180364	scaffold317	NW_004515825.1	180364	CC	AA	AA	INTERGENIC		
SNP_44938B_180394	scaffold317	NW_004515825.1	180394	GG	TT	TT	INTERGENIC		
SNP_44939B_180410	scaffold317	NW_004515825.1	180410	AA	GG	GG	INTERGENIC		
SNP_44940B_180574	scaffold317	NW_004515825.1	180574	TT	CC	CC	INTERGENIC		
SNP_44941B_180592	scaffold317	NW_004515825.1	180592	TT	AA	AA	INTERGENIC		
SNP_44942B_180593	scaffold317	NW_004515825.1	180593	AA	GG	GG	INTERGENIC		
SNP_44943B_180603	scaffold317	NW_004515825.1	180603	TT	GG	GG	INTERGENIC		
SNP_44944B_180619	scaffold317	NW_004515825.1	180619	GG	AA	AA	INTERGENIC		
SNP_44945B_180628	scaffold317	NW_004515825.1	180628	TT	CC	CC	INTERGENIC		
SNP_44946B_180640	scaffold317	NW_004515825.1	180640	AA	TT	TT	INTERGENIC		
SNP_44947B_180655	scaffold317	NW_004515825.1	180655	AA	GG	GG	INTERGENIC		
SNP_44948B_180673	scaffold317	NW_004515825.1	180673	TT	AA	AA	INTERGENIC		
SNP_44949B_180704	scaffold317	NW_004515825.1	180704	TT	GG	GG	INTERGENIC		
SNP_44950B_183192	scaffold317	NW_004515825.1	183192	CC	GG	GG	INTERGENIC		
SNP_44952B_189778	scaffold317	NW_004515825.1	189778	TT	GG	GG	INTERGENIC		
SNP_44953B_189809	scaffold317	NW_004515825.1	189809	TT	CC	CC	INTERGENIC		
SNP_44954B_189836	scaffold317	NW_004515825.1	189836	CC	TT	TT	INTERGENIC		
SNP_44955B_189861	scaffold317	NW_004515825.1	189861	GG	CC	CC	INTERGENIC		
SNP_44956B_190149	scaffold317	NW_004515825.1	190149	GG	AA	AA	INTERGENIC		
SNP_44958B_215650	scaffold317	NW_004515825.1	215650	AA	GG	GG	INTERGENIC		
SNP_44959B_215683	scaffold317	NW_004515825.1	215683	CC	TT	TT	INTERGENIC		
SNP_44960B_217750	scaffold317	NW_004515825.1	217750	CC	TT	TT	INTERGENIC		
SNP_44962B_218037	scaffold317	NW_004515825.1	218037	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44963B_218108	scaffold317	NW_004515825.1	218108	GG	AA	AA	INTERGENIC		
SNP_44964B_218138	scaffold317	NW_004515825.1	218138	CC	TT	TT	INTERGENIC		
SNP_44966B_218170	scaffold317	NW_004515825.1	218170	TT	CC	CC	INTERGENIC		
SNP_44967B_218226	scaffold317	NW_004515825.1	218226	TT	AA	AA	INTERGENIC		
SNP_44968B_219954	scaffold317	NW_004515825.1	219954	CC	TT	TT	INTERGENIC		
SNP_44969B_219969	scaffold317	NW_004515825.1	219969	GG	AA	AA	INTERGENIC		
SNP_44970B_230741	scaffold317	NW_004515825.1	230741	TT	CC	CC	INTERGENIC		
SNP_44971B_2607	scaffold319	NW_004515826.1	2607	GG	AA	AA	INTERGENIC		
SNP_44972B_6687	scaffold319	NW_004515826.1	6687	GG	AA	AA	INTERGENIC		
SNP_44973B_6733	scaffold319	NW_004515826.1	6733	CC	GG	GG	INTERGENIC		
SNP_44974B_6774	scaffold319	NW_004515826.1	6774	AA	CC	CC	INTERGENIC		
SNP_44975B_7011	scaffold319	NW_004515826.1	7011	GG	CC	CC	INTERGENIC		
SNP_44976B_7174	scaffold319	NW_004515826.1	7174	GG	TT	TT	INTERGENIC		
SNP_44977B_7175	scaffold319	NW_004515826.1	7175	GG	AA	AA	INTERGENIC		
SNP_44978B_7178	scaffold319	NW_004515826.1	7178	TT	CC	CC	INTERGENIC		
SNP_44980B_11943	scaffold319	NW_004515826.1	11943	TT	CC	CC	INTERGENIC		
SNP_44981B_12069	scaffold319	NW_004515826.1	12069	AA	GG	GG	INTERGENIC		
SNP_44982B_12078	scaffold319	NW_004515826.1	12078	AA	GG	GG	INTERGENIC		
SNP_44983B_16161	scaffold319	NW_004515826.1	16161	GG	TT	TT	INTERGENIC		
SNP_44984B_35405	scaffold319	NW_004515826.1	35405	AA	GG	GG	INTERGENIC		
SNP_44985B_35428	scaffold319	NW_004515826.1	35428	TT	CC	CC	INTERGENIC		
SNP_44986B_42902	scaffold319	NW_004515826.1	42902	AA	GG	GG	INTERGENIC		
SNP_44987B_42904	scaffold319	NW_004515826.1	42904	TT	AA	AA	INTERGENIC		
SNP_44988B_42914	scaffold319	NW_004515826.1	42914	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_44989B_43222	scaffold319	NW_004515826.1	43222	GG	TT	TT	INTERGENIC		
SNP_44990B_43298	scaffold319	NW_004515826.1	43298	TT	AA	AA	INTERGENIC		
SNP_44991B_43318	scaffold319	NW_004515826.1	43318	AA	TT	TT	INTERGENIC		
SNP_44992B_43354	scaffold319	NW_004515826.1	43354	GG	TT	TT	INTERGENIC		
SNP_44993B_43360	scaffold319	NW_004515826.1	43360	AA	GG	GG	INTERGENIC		
SNP_44994B_43388	scaffold319	NW_004515826.1	43388	TT	AA	AA	INTERGENIC		
SNP_44995B_43585	scaffold319	NW_004515826.1	43585	GG	TT	TT	INTERGENIC		
SNP_44996B_43599	scaffold319	NW_004515826.1	43599	AA	GG	GG	INTERGENIC		
SNP_44997B_43620	scaffold319	NW_004515826.1	43620	AA	TT	TT	INTERGENIC		
SNP_44998B_52369	scaffold319	NW_004515826.1	52369	TT	CC	CC	INTERGENIC		
SNP_44999B_52705	scaffold319	NW_004515826.1	52705	TT	GG	GG	INTERGENIC		
SNP_45000B_56000	scaffold319	NW_004515826.1	56000	AA	GG	GG	INTERGENIC		
SNP_45001B_64	scaffold321	NW_004515827.1	64	CC	GG	GG	INTERGENIC		
SNP_45002B_108	scaffold321	NW_004515827.1	108	TT	AA	AA	INTERGENIC		
SNP_45003B_174	scaffold321	NW_004515827.1	174	TT	CC	CC	INTERGENIC		
SNP_45004B_9843	scaffold321	NW_004515827.1	9843	TT	AA	AA	INTERGENIC		
SNP_45005B_9997	scaffold321	NW_004515827.1	9997	AA	GG	GG	INTERGENIC		
SNP_45006B_10040	scaffold321	NW_004515827.1	10040	CC	TT	TT	INTERGENIC		
SNP_45007B_12741	scaffold321	NW_004515827.1	12741	TT	CC	CC	INTERGENIC		
SNP_45008B_12777	scaffold321	NW_004515827.1	12777	CC	GG	GG	INTERGENIC		
SNP_45009B_14523	scaffold321	NW_004515827.1	14523	AA	GG	GG	INTERGENIC		
SNP_45010B_19232	scaffold321	NW_004515827.1	19232	AA	GG	GG	INTERGENIC		
SNP_45011B_27725	scaffold321	NW_004515827.1	27725	CC	TT	TT	INTERGENIC		
SNP_45012B_27782	scaffold321	NW_004515827.1	27782	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45013B_27828	scaffold321	NW_004515827.1	27828	GG	AA	AA	INTERGENIC		
SNP_45014B_27855	scaffold321	NW_004515827.1	27855	TT	AA	AA	INTERGENIC		
SNP_45016B_27998	scaffold321	NW_004515827.1	27998	GG	AA	AA	INTERGENIC		
SNP_45017B_28065	scaffold321	NW_004515827.1	28065	TT	CC	CC	INTERGENIC		
SNP_45018B_33096	scaffold321	NW_004515827.1	33096	AA	CC	CC	INTERGENIC		
SNP_45020B_36118	scaffold321	NW_004515827.1	36118	GG	AA	AA	INTERGENIC		
SNP_45021B_36125	scaffold321	NW_004515827.1	36125	CC	AA	AA	INTERGENIC		
SNP_45022B_36756	scaffold321	NW_004515827.1	36756	AA	TT	TT	INTERGENIC		
SNP_45023B_37605	scaffold321	NW_004515827.1	37605	GG	AA	AA	INTERGENIC		
SNP_45024B_38315	scaffold321	NW_004515827.1	38315	CC	TT	TT	INTERGENIC		
SNP_45025B_38316	scaffold321	NW_004515827.1	38316	CC	AA	AA	INTERGENIC		
SNP_45026B_38360	scaffold321	NW_004515827.1	38360	AA	CC	CC	INTERGENIC		
SNP_45027B_38400	scaffold321	NW_004515827.1	38400	CC	GG	GG	INTERGENIC		
SNP_45028B_38424	scaffold321	NW_004515827.1	38424	GG	TT	TT	INTERGENIC		
SNP_45029B_38539	scaffold321	NW_004515827.1	38539	TT	CC	CC	INTERGENIC		
SNP_45030B_38593	scaffold321	NW_004515827.1	38593	TT	CC	CC	INTERGENIC		
SNP_45031B_38641	scaffold321	NW_004515827.1	38641	GG	AA	AA	INTERGENIC		
SNP_45032B_38706	scaffold321	NW_004515827.1	38706	TT	AA	AA	INTERGENIC		
SNP_45033B_38760	scaffold321	NW_004515827.1	38760	TT	AA	AA	INTERGENIC		
SNP_45034B_38778	scaffold321	NW_004515827.1	38778	AA	TT	TT	INTERGENIC		
SNP_45035B_38785	scaffold321	NW_004515827.1	38785	GG	CC	CC	INTERGENIC		
SNP_45036B_38914	scaffold321	NW_004515827.1	38914	GG	AA	AA	INTERGENIC		
SNP_45037B_38983	scaffold321	NW_004515827.1	38983	GG	AA	AA	INTERGENIC		
SNP_45038B_39068	scaffold321	NW_004515827.1	39068	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45039B_39085	scaffold321	NW_004515827.1	39085	AA	GG	GG	INTERGENIC		
SNP_45040B_39109	scaffold321	NW_004515827.1	39109	CC	AA	AA	INTERGENIC		
SNP_45042B_39340	scaffold321	NW_004515827.1	39340	TT	CC	CC	INTERGENIC		
SNP_45043B_39372	scaffold321	NW_004515827.1	39372	AA	GG	GG	INTERGENIC		
SNP_45044B_39383	scaffold321	NW_004515827.1	39383	AA	GG	GG	INTERGENIC		
SNP_45045B_58465	scaffold321	NW_004515827.1	58465	GG	AA	AA	INTERGENIC		
SNP_45046B_58855	scaffold321	NW_004515827.1	58855	CC	TT	TT	INTERGENIC		
SNP_45047B_58865	scaffold321	NW_004515827.1	58865	CC	TT	TT	INTERGENIC		
SNP_45048B_58888	scaffold321	NW_004515827.1	58888	GG	AA	AA	INTERGENIC		
SNP_45049B_58914	scaffold321	NW_004515827.1	58914	CC	GG	GG	INTERGENIC		
SNP_45050B_66718	scaffold321	NW_004515827.1	66718	AA	GG	GG	INTERGENIC		
SNP_45051B_66730	scaffold321	NW_004515827.1	66730	AA	GG	GG	INTERGENIC		
SNP_45052B_66927	scaffold321	NW_004515827.1	66927	TT	CC	CC	INTERGENIC		
SNP_45053B_66939	scaffold321	NW_004515827.1	66939	TT	AA	AA	INTERGENIC		
SNP_45054B_67869	scaffold321	NW_004515827.1	67869	CC	TT	TT	INTERGENIC		
SNP_45055B_67884	scaffold321	NW_004515827.1	67884	CC	TT	TT	INTERGENIC		
SNP_45056B_67938	scaffold321	NW_004515827.1	67938	AA	CC	CC	INTERGENIC		
SNP_45057B_73063	scaffold321	NW_004515827.1	73063	CC	AA	AA	INTERGENIC		
SNP_45059B_81060	scaffold321	NW_004515827.1	81060	AA	CC	CC	INTERGENIC		
SNP_45060B_81153	scaffold321	NW_004515827.1	81153	TT	CC	CC	INTERGENIC		
SNP_45061B_81376	scaffold321	NW_004515827.1	81376	AA	GG	GG	INTERGENIC		
SNP_45062B_83277	scaffold321	NW_004515827.1	83277	TT	AA	AA	INTERGENIC		
SNP_45063B_83306	scaffold321	NW_004515827.1	83306	AA	GG	GG	INTERGENIC		
SNP_45064B_83361	scaffold321	NW_004515827.1	83361	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45065B_83362	scaffold321	NW_004515827.1	83362	AA	CC	CC	INTERGENIC		
SNP_45066B_83499	scaffold321	NW_004515827.1	83499	GG	AA	AA	INTERGENIC		
SNP_45067B_83710	scaffold321	NW_004515827.1	83710	TT	CC	CC	INTERGENIC		
SNP_45068B_83728	scaffold321	NW_004515827.1	83728	CC	TT	TT	INTERGENIC		
SNP_45069B_54079	scaffold322	NW_004515828.1	54079	CC	GG	GG	INTERGENIC		
SNP_45070B_54097	scaffold322	NW_004515828.1	54097	GG	CC	CC	INTERGENIC		
SNP_45072B_55475	scaffold322	NW_004515828.1	55475	GG	AA	AA	INTERGENIC		
SNP_45073B_55479	scaffold322	NW_004515828.1	55479	GG	TT	TT	INTERGENIC		
SNP_45074B_86884	scaffold322	NW_004515828.1	86884	GG	AA	AA	INTERGENIC		
SNP_45075B_151506	scaffold322	NW_004515828.1	151506	TT	AA	AA	INTERGENIC		
SNP_45076B_151517	scaffold322	NW_004515828.1	151517	AA	GG	GG	INTERGENIC		
SNP_45077B_151519	scaffold322	NW_004515828.1	151519	TT	GG	GG	INTERGENIC		
SNP_45078B_151547	scaffold322	NW_004515828.1	151547	TT	GG	GG	INTERGENIC		
SNP_45079B_151580	scaffold322	NW_004515828.1	151580	AA	GG	GG	INTERGENIC		
SNP_45080B_151881	scaffold322	NW_004515828.1	151881	GG	AA	AA	INTERGENIC		
SNP_45081B_151905	scaffold322	NW_004515828.1	151905	TT	CC	CC	INTERGENIC		
SNP_45082B_151912	scaffold322	NW_004515828.1	151912	GG	TT	TT	INTERGENIC		
SNP_45083B_151957	scaffold322	NW_004515828.1	151957	GG	CC	CC	INTERGENIC		
SNP_45084B_152024	scaffold322	NW_004515828.1	152024	CC	AA	AA	INTERGENIC		
SNP_45085B_152036	scaffold322	NW_004515828.1	152036	CC	GG	GG	INTERGENIC		
SNP_45086B_162643	scaffold322	NW_004515828.1	162643	AA	TT	TT	INTERGENIC		
SNP_45087B_168595	scaffold322	NW_004515828.1	168595	TT	AA	AA	INTERGENIC		
SNP_45088B_168609	scaffold322	NW_004515828.1	168609	TT	CC	CC	INTERGENIC		
SNP_45089B_168613	scaffold322	NW_004515828.1	168613	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45090B_168639	scaffold322	NW_004515828.1	168639	GG	AA	AA	INTERGENIC		
SNP_45091B_168678	scaffold322	NW_004515828.1	168678	CC	TT	TT	INTERGENIC		
SNP_45092B_168751	scaffold322	NW_004515828.1	168751	CC	AA	AA	INTERGENIC		
SNP_45093B_168786	scaffold322	NW_004515828.1	168786	TT	CC	CC	INTERGENIC		
SNP_45094B_168879	scaffold322	NW_004515828.1	168879	GG	AA	AA	INTERGENIC		
SNP_45095B_168889	scaffold322	NW_004515828.1	168889	GG	AA	AA	INTERGENIC		
SNP_45096B_168919	scaffold322	NW_004515828.1	168919	AA	TT	TT	INTERGENIC		
SNP_45097B_169003	scaffold322	NW_004515828.1	169003	GG	CC	CC	INTERGENIC		
SNP_45098B_169006	scaffold322	NW_004515828.1	169006	TT	CC	CC	INTERGENIC		
SNP_45099B_169019	scaffold322	NW_004515828.1	169019	TT	AA	AA	INTERGENIC		
SNP_45100B_169059	scaffold322	NW_004515828.1	169059	AA	TT	TT	INTERGENIC		
SNP_45101B_169072	scaffold322	NW_004515828.1	169072	TT	CC	CC	INTERGENIC		
SNP_45102B_169105	scaffold322	NW_004515828.1	169105	TT	AA	AA	INTERGENIC		
SNP_45103B_169113	scaffold322	NW_004515828.1	169113	GG	CC	CC	INTERGENIC		
SNP_45104B_169116	scaffold322	NW_004515828.1	169116	CC	GG	GG	INTERGENIC		
SNP_45105B_169475	scaffold322	NW_004515828.1	169475	GG	AA	AA	INTERGENIC		
SNP_45106B_170041	scaffold322	NW_004515828.1	170041	TT	CC	CC	INTERGENIC		
SNP_45107B_170229	scaffold322	NW_004515828.1	170229	TT	CC	CC	INTERGENIC		
SNP_45108B_170307	scaffold322	NW_004515828.1	170307	GG	TT	TT	INTERGENIC		
SNP_45109B_170324	scaffold322	NW_004515828.1	170324	TT	GG	GG	INTERGENIC		
SNP_45110B_174517	scaffold322	NW_004515828.1	174517	GG	CC	CC	INTERGENIC		
SNP_45111B_174917	scaffold322	NW_004515828.1	174917	AA	GG	GG	INTERGENIC		
SNP_45112B_2071	scaffold323	NW_004515829.1	2071	CC	AA	AA	INTERGENIC		
SNP_45113B_2080	scaffold323	NW_004515829.1	2080	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45114B_2258	scaffold323	NW_004515829.1	2258	TT	CC	CC	INTERGENIC		
SNP_45115B_2311	scaffold323	NW_004515829.1	2311	TT	AA	AA	INTERGENIC		
SNP_45116B_2329	scaffold323	NW_004515829.1	2329	TT	AA	AA	INTERGENIC		
SNP_45117B_2374	scaffold323	NW_004515829.1	2374	TT	AA	AA	INTERGENIC		
SNP_45118B_11243	scaffold323	NW_004515829.1	11243	CC	GG	GG	INTERGENIC		
SNP_45119B_11838	scaffold323	NW_004515829.1	11838	GG	AA	AA	INTERGENIC		
SNP_45120B_13848	scaffold323	NW_004515829.1	13848	AA	GG	GG	INTERGENIC		
SNP_45121B_45975	scaffold323	NW_004515829.1	45975	CC	AA	AA	INTERGENIC		
SNP_45122B_45987	scaffold323	NW_004515829.1	45987	TT	GG	GG	INTERGENIC		
SNP_45123B_45995	scaffold323	NW_004515829.1	45995	CC	GG	GG	INTERGENIC		
SNP_45124B_54006	scaffold323	NW_004515829.1	54006	AA	GG	GG	INTERGENIC		
SNP_45125B_54107	scaffold323	NW_004515829.1	54107	TT	CC	CC	INTERGENIC		
SNP_45126B_54108	scaffold323	NW_004515829.1	54108	CC	AA	AA	INTERGENIC		
SNP_45127B_54124	scaffold323	NW_004515829.1	54124	TT	CC	CC	INTERGENIC		
SNP_45128B_54160	scaffold323	NW_004515829.1	54160	GG	TT	TT	INTERGENIC		
SNP_45129B_57794	scaffold323	NW_004515829.1	57794	AA	TT	TT	INTERGENIC		
SNP_45130B_58187	scaffold323	NW_004515829.1	58187	AA	TT	TT	INTERGENIC		
SNP_45131B_3773	scaffold324	NW_004515830.1	3773	AA	GG	GG	INTERGENIC		
SNP_45133B_3843	scaffold324	NW_004515830.1	3843	AA	GG	GG	INTERGENIC		
SNP_45134B_19694	scaffold324	NW_004515830.1	19694	AA	CC	CC	INTERGENIC		
SNP_45135B_20051	scaffold324	NW_004515830.1	20051	CC	TT	TT	INTERGENIC		
SNP_45136B_26931	scaffold324	NW_004515830.1	26931	TT	CC	CC	INTERGENIC		
SNP_45137B_27345	scaffold324	NW_004515830.1	27345	AA	CC	CC	INTERGENIC		
SNP_45138B_27966	scaffold324	NW_004515830.1	27966	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45139B_34350	scaffold324	NW_004515830.1	34350	TT	CC	CC	INTERGENIC		
SNP_45140B_45386	scaffold324	NW_004515830.1	45386	TT	GG	GG	INTERGENIC		
SNP_45141B_45589	scaffold324	NW_004515830.1	45589	AA	GG	GG	INTERGENIC		
SNP_45142B_51290	scaffold324	NW_004515830.1	51290	GG	AA	AA	INTERGENIC		
SNP_45143B_53186	scaffold324	NW_004515830.1	53186	TT	CC	CC	INTERGENIC		
SNP_45144B_58689	scaffold324	NW_004515830.1	58689	GG	CC	CC	INTERGENIC		
SNP_45145B_59469	scaffold324	NW_004515830.1	59469	GG	TT	TT	INTERGENIC		
SNP_45147B_85922	scaffold324	NW_004515830.1	85922	AA	CC	CC	INTERGENIC		
SNP_45148B_85958	scaffold324	NW_004515830.1	85958	CC	TT	TT	INTERGENIC		
SNP_45149B_85988	scaffold324	NW_004515830.1	85988	CC	AA	AA	INTERGENIC		
SNP_45150B_86008	scaffold324	NW_004515830.1	86008	AA	GG	GG	INTERGENIC		
SNP_45151B_86041	scaffold324	NW_004515830.1	86041	GG	AA	AA	INTERGENIC		
SNP_45152B_86190	scaffold324	NW_004515830.1	86190	AA	GG	GG	INTERGENIC		
SNP_45153B_87151	scaffold324	NW_004515830.1	87151	AA	GG	GG	INTERGENIC		
SNP_45154B_87596	scaffold324	NW_004515830.1	87596	AA	TT	TT	INTERGENIC		
SNP_45155B_159570	scaffold324	NW_004515830.1	159570	TT	GG	GG	INTERGENIC		
SNP_45156B_161457	scaffold324	NW_004515830.1	161457	AA	GG	GG	INTERGENIC		
SNP_45157B_165663	scaffold324	NW_004515830.1	165663	AA	GG	GG	INTERGENIC		
SNP_45158B_180195	scaffold324	NW_004515830.1	180195	TT	CC	CC	INTERGENIC		
SNP_45159B_180209	scaffold324	NW_004515830.1	180209	CC	GG	GG	INTERGENIC		
SNP_45160B_185373	scaffold324	NW_004515830.1	185373	TT	GG	GG	INTERGENIC		
SNP_45161B_224465	scaffold324	NW_004515830.1	224465	TT	CC	CC	INTERGENIC		
SNP_45163B_312275	scaffold324	NW_004515830.1	312275	AA	CC	CC	INTERGENIC		
SNP_45164B_312463	scaffold324	NW_004515830.1	312463	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45165B_340498	scaffold324	NW_004515830.1	340498	TT	CC	CC	INTERGENIC		
SNP_45166B_340523	scaffold324	NW_004515830.1	340523	AA	TT	TT	INTERGENIC		
SNP_45168B_354399	scaffold324	NW_004515830.1	354399	CC	TT	TT	INTERGENIC		
SNP_45169B_357307	scaffold324	NW_004515830.1	357307	GG	AA	AA	INTERGENIC		
SNP_45170B_357317	scaffold324	NW_004515830.1	357317	AA	CC	CC	INTERGENIC		
SNP_45171B_357346	scaffold324	NW_004515830.1	357346	AA	GG	GG	INTERGENIC		
SNP_45172B_357419	scaffold324	NW_004515830.1	357419	CC	GG	GG	INTERGENIC		
SNP_45173B_367639	scaffold324	NW_004515830.1	367639	AA	GG	GG	INTERGENIC		
SNP_45174B_368474	scaffold324	NW_004515830.1	368474	TT	CC	CC	INTERGENIC		
SNP_45175B_368476	scaffold324	NW_004515830.1	368476	CC	TT	TT	INTERGENIC		
SNP_45176B_368495	scaffold324	NW_004515830.1	368495	GG	TT	TT	INTERGENIC		
SNP_45178B_371111	scaffold324	NW_004515830.1	371111	AA	CC	CC	INTERGENIC		
SNP_45179B_371178	scaffold324	NW_004515830.1	371178	TT	AA	AA	INTERGENIC		
SNP_45180B_371466	scaffold324	NW_004515830.1	371466	AA	GG	GG	INTERGENIC		
SNP_45181B_378358	scaffold324	NW_004515830.1	378358	TT	AA	AA	INTERGENIC		
SNP_45182B_378712	scaffold324	NW_004515830.1	378712	AA	GG	GG	INTERGENIC		
SNP_45183B_383421	scaffold324	NW_004515830.1	383421	TT	CC	CC	INTERGENIC		
SNP_45184B_383440	scaffold324	NW_004515830.1	383440	CC	TT	TT	INTERGENIC		
SNP_45185B_383466	scaffold324	NW_004515830.1	383466	CC	TT	TT	INTERGENIC		
SNP_45186B_383514	scaffold324	NW_004515830.1	383514	AA	GG	GG	INTERGENIC		
SNP_45187B_383528	scaffold324	NW_004515830.1	383528	CC	GG	GG	INTERGENIC		
SNP_45188B_383541	scaffold324	NW_004515830.1	383541	AA	GG	GG	INTERGENIC		
SNP_45189B_387315	scaffold324	NW_004515830.1	387315	AA	GG	GG	INTERGENIC		
SNP_45190B_387428	scaffold324	NW_004515830.1	387428	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45191B_387667	scaffold324	NW_004515830.1	387667	AA	TT	TT	INTERGENIC		
SNP_45192B_387687	scaffold324	NW_004515830.1	387687	GG	AA	AA	INTERGENIC		
SNP_45193B_387733	scaffold324	NW_004515830.1	387733	GG	AA	AA	INTERGENIC		
SNP_45194B_395272	scaffold324	NW_004515830.1	395272	TT	CC	CC	INTERGENIC		
SNP_45195B_395292	scaffold324	NW_004515830.1	395292	AA	GG	GG	INTERGENIC		
SNP_45196B_395295	scaffold324	NW_004515830.1	395295	CC	AA	AA	INTERGENIC		
SNP_45197B_395296	scaffold324	NW_004515830.1	395296	AA	TT	TT	INTERGENIC		
SNP_45198B_395299	scaffold324	NW_004515830.1	395299	AA	TT	TT	INTERGENIC		
SNP_45199B_414415	scaffold324	NW_004515830.1	414415	GG	AA	AA	INTERGENIC		
SNP_45200B_415884	scaffold324	NW_004515830.1	415884	AA	CC	CC	INTERGENIC		
SNP_45201B_415905	scaffold324	NW_004515830.1	415905	AA	CC	CC	INTERGENIC		
SNP_45202B_427921	scaffold324	NW_004515830.1	427921	AA	GG	GG	INTERGENIC		
SNP_45203B_450805	scaffold324	NW_004515830.1	450805	GG	AA	AA	INTERGENIC		
SNP_45204B_457033	scaffold324	NW_004515830.1	457033	TT	CC	CC	INTERGENIC		
SNP_45205B_457108	scaffold324	NW_004515830.1	457108	AA	CC	CC	INTERGENIC		
SNP_45206B_457127	scaffold324	NW_004515830.1	457127	TT	CC	CC	INTERGENIC		
SNP_45207B_1633	scaffold325	NW_004515831.1	1633	AA	CC	CC	INTERGENIC		
SNP_45208B_2577	scaffold325	NW_004515831.1	2577	GG	AA	AA	INTERGENIC		
SNP_45209B_10198	scaffold325	NW_004515831.1	10198	CC	GG	GG	NON_SYNONYMOUS_CODING	101510999	F-box protein CPR30-like
SNP_45210B_10228	scaffold325	NW_004515831.1	10228	TT	CC	CC	NON_SYNONYMOUS_CODING	101510999	F-box protein CPR30-like
SNP_45211B_12119	scaffold328	NW_004515834.1	12119	CC	GG	GG	INTERGENIC		
SNP_45212B_12126	scaffold328	NW_004515834.1	12126	TT	AA	AA	INTERGENIC		
SNP_45213B_12128	scaffold328	NW_004515834.1	12128	GG	TT	TT	INTERGENIC		
SNP_45214B_12139	scaffold328	NW_004515834.1	12139	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45215B_12151	scaffold328	NW_004515834.1	12151	CC	GG	GG	INTERGENIC		
SNP_45216B_12233	scaffold328	NW_004515834.1	12233	TT	AA	AA	INTERGENIC		
SNP_45217B_12260	scaffold328	NW_004515834.1	12260	AA	GG	GG	INTERGENIC		
SNP_45218B_12278	scaffold328	NW_004515834.1	12278	CC	TT	TT	INTERGENIC		
SNP_45219B_12289	scaffold328	NW_004515834.1	12289	GG	TT	TT	INTERGENIC		
SNP_45220B_12666	scaffold328	NW_004515834.1	12666	TT	AA	AA	INTERGENIC		
SNP_45221B_12667	scaffold328	NW_004515834.1	12667	TT	GG	GG	INTERGENIC		
SNP_45222B_12684	scaffold328	NW_004515834.1	12684	AA	GG	GG	INTERGENIC		
SNP_45223B_2358	scaffold330	NW_004515835.1	2358	AA	GG	GG	INTERGENIC		
SNP_45224B_2379	scaffold330	NW_004515835.1	2379	GG	AA	AA	INTERGENIC		
SNP_45225B_2397	scaffold330	NW_004515835.1	2397	GG	CC	CC	INTERGENIC		
SNP_45226B_2607	scaffold330	NW_004515835.1	2607	AA	GG	GG	INTERGENIC		
SNP_45227B_2788	scaffold330	NW_004515835.1	2788	AA	TT	TT	INTERGENIC		
SNP_45228B_2818	scaffold330	NW_004515835.1	2818	CC	GG	GG	INTERGENIC		
SNP_45229B_2907	scaffold330	NW_004515835.1	2907	CC	TT	TT	INTERGENIC		
SNP_45231B_2964	scaffold330	NW_004515835.1	2964	AA	GG	GG	INTERGENIC		
SNP_45232B_10224	scaffold330	NW_004515835.1	10224	CC	GG	GG	INTERGENIC		
SNP_45233B_10603	scaffold330	NW_004515835.1	10603	AA	GG	GG	INTERGENIC		
SNP_45234B_10606	scaffold330	NW_004515835.1	10606	GG	TT	TT	INTERGENIC		
SNP_45235B_10622	scaffold330	NW_004515835.1	10622	AA	TT	TT	INTERGENIC		
SNP_45236B_238	scaffold331	NW_004515836.1	238	GG	AA	AA	INTERGENIC		
SNP_45237B_760	scaffold331	NW_004515836.1	760	AA	CC	CC	INTERGENIC		
SNP_45238B_834	scaffold331	NW_004515836.1	834	AA	TT	TT	INTERGENIC		
SNP_45240B_20617	scaffold331	NW_004515836.1	20617	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45241B_20955	scaffold331	NW_004515836.1	20955	TT	CC	CC	INTERGENIC		
SNP_45242B_21027	scaffold331	NW_004515836.1	21027	TT	GG	GG	INTERGENIC		
SNP_45243B_24993	scaffold331	NW_004515836.1	24993	AA	GG	GG	INTERGENIC		
SNP_45244B_35006	scaffold331	NW_004515836.1	35006	AA	GG	GG	INTERGENIC		
SNP_45245B_43957	scaffold331	NW_004515836.1	43957	TT	CC	CC	INTERGENIC		
SNP_45246B_43968	scaffold331	NW_004515836.1	43968	GG	AA	AA	INTERGENIC		
SNP_45247B_50228	scaffold331	NW_004515836.1	50228	TT	CC	CC	INTERGENIC		
SNP_45248B_56272	scaffold331	NW_004515836.1	56272	AA	CC	CC	INTERGENIC		
SNP_45249B_59101	scaffold331	NW_004515836.1	59101	GG	TT	TT	INTERGENIC		
SNP_45250B_60670	scaffold331	NW_004515836.1	60670	GG	TT	TT	INTERGENIC		
SNP_45251B_62227	scaffold331	NW_004515836.1	62227	AA	CC	CC	INTERGENIC		
SNP_45252B_62233	scaffold331	NW_004515836.1	62233	TT	CC	CC	INTERGENIC		
SNP_45253B_66770	scaffold331	NW_004515836.1	66770	GG	AA	AA	INTERGENIC		
SNP_45254B_75205	scaffold331	NW_004515836.1	75205	GG	AA	AA	DRR	101512615	patellin-5-like
SNP_45255B_129444	scaffold331	NW_004515836.1	129444	AA	GG	GG	INTERGENIC		
SNP_45256B_129481	scaffold331	NW_004515836.1	129481	TT	CC	CC	INTERGENIC		
SNP_45258B_242891	scaffold331	NW_004515836.1	242891	CC	TT	TT	INTRON	101512285	mitogen-activated protein kinase 15
SNP_45259B_48874	scaffold332	NW_004515837.1	48874	TT	CC	CC	INTERGENIC		
SNP_45260B_51861	scaffold332	NW_004515837.1	51861	TT	GG	GG	INTERGENIC		
SNP_45261B_51982	scaffold332	NW_004515837.1	51982	TT	GG	GG	INTERGENIC		
SNP_45262B_51990	scaffold332	NW_004515837.1	51990	TT	GG	GG	INTERGENIC		
SNP_45263B_52765	scaffold332	NW_004515837.1	52765	AA	GG	GG	INTERGENIC		
SNP_45264B_52836	scaffold332	NW_004515837.1	52836	TT	CC	CC	INTERGENIC		
SNP_45265B_203755	scaffold332	NW_004515837.1	203755	AA	GG	GG	NON_SYNONYMOUS_CODING	101488602	probable protein phosphatase 2C 42

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45266B_203756	scaffold332	NW_004515837.1	203756	CC	TT	TT	NON_SYNONYMOUS_CODING	101488602	probable protein phosphatase 2C 42
SNP_45267B_4822	scaffold333	NW_004515838.1	4822	GG	TT	TT	INTERGENIC		
SNP_45268B_5048	scaffold333	NW_004515838.1	5048	GG	AA	AA	INTERGENIC		
SNP_45269B_8646	scaffold333	NW_004515838.1	8646	AA	GG	GG	INTERGENIC		
SNP_45271B_12967	scaffold333	NW_004515838.1	12967	AA	CC	CC	INTERGENIC		
SNP_45272B_19399	scaffold333	NW_004515838.1	19399	GG	AA	AA	INTERGENIC		
SNP_45273B_19612	scaffold333	NW_004515838.1	19612	AA	CC	CC	INTERGENIC		
SNP_45274B_19668	scaffold333	NW_004515838.1	19668	TT	CC	CC	INTERGENIC		
SNP_45275B_19883	scaffold333	NW_004515838.1	19883	TT	AA	AA	INTERGENIC		
SNP_45276B_19978	scaffold333	NW_004515838.1	19978	AA	GG	GG	INTERGENIC		
SNP_45277B_20034	scaffold333	NW_004515838.1	20034	AA	CC	CC	INTERGENIC		
SNP_45279B_22519	scaffold333	NW_004515838.1	22519	TT	CC	CC	INTERGENIC		
SNP_45280B_22525	scaffold333	NW_004515838.1	22525	CC	TT	TT	INTERGENIC		
SNP_45281B_22621	scaffold333	NW_004515838.1	22621	GG	TT	TT	INTERGENIC		
SNP_45282B_26653	scaffold333	NW_004515838.1	26653	TT	CC	CC	INTERGENIC		
SNP_45283B_44410	scaffold333	NW_004515838.1	44410	CC	TT	TT	INTERGENIC		
SNP_45284B_44423	scaffold333	NW_004515838.1	44423	TT	AA	AA	INTERGENIC		
SNP_45285B_44644	scaffold333	NW_004515838.1	44644	CC	AA	AA	INTERGENIC		
SNP_45286B_44950	scaffold333	NW_004515838.1	44950	TT	GG	GG	INTERGENIC		
SNP_45287B_44982	scaffold333	NW_004515838.1	44982	CC	TT	TT	INTERGENIC		
SNP_45288B_45227	scaffold333	NW_004515838.1	45227	AA	CC	CC	INTERGENIC		
SNP_45289B_56489	scaffold333	NW_004515838.1	56489	TT	GG	GG	INTERGENIC		
SNP_45290B_91702	scaffold333	NW_004515838.1	91702	CC	GG	GG	INTERGENIC		
SNP_45291B_100786	scaffold333	NW_004515838.1	100786	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45292B_101169	scaffold333	NW_004515838.1	101169	TT	GG	GG	INTERGENIC		
SNP_45293B_101184	scaffold333	NW_004515838.1	101184	AA	TT	TT	INTERGENIC		
SNP_45294B_101187	scaffold333	NW_004515838.1	101187	GG	TT	TT	INTERGENIC		
SNP_45295B_101193	scaffold333	NW_004515838.1	101193	TT	CC	CC	INTERGENIC		
SNP_45296B_101196	scaffold333	NW_004515838.1	101196	AA	TT	TT	INTERGENIC		
SNP_45297B_5079	scaffold334	NW_004515839.1	5079	CC	TT	TT	INTERGENIC		
SNP_45298B_5080	scaffold334	NW_004515839.1	5080	TT	CC	CC	INTERGENIC		
SNP_45299B_5106	scaffold334	NW_004515839.1	5106	AA	GG	GG	INTERGENIC		
SNP_45300B_5291	scaffold334	NW_004515839.1	5291	GG	AA	AA	INTERGENIC		
SNP_45301B_40949	scaffold334	NW_004515839.1	40949	GG	AA	AA	INTERGENIC		
SNP_45303B_68850	scaffold334	NW_004515839.1	68850	GG	AA	AA	NON_SYNONYMOUS_CODING	101490894	uncharacterized LOC101490894
SNP_45304B_69021	scaffold334	NW_004515839.1	69021	TT	CC	CC	NON_SYNONYMOUS_CODING	101490894	uncharacterized LOC101490894
SNP_45305B_69027	scaffold334	NW_004515839.1	69027	AA	GG	GG	NON_SYNONYMOUS_CODING	101490894	uncharacterized LOC101490894
SNP_45306B_69173	scaffold334	NW_004515839.1	69173	AA	GG	GG	URR	101490894	uncharacterized LOC101490894
SNP_45307B_69175	scaffold334	NW_004515839.1	69175	AA	GG	GG	URR	101490894	uncharacterized LOC101490894
SNP_45308B_69305	scaffold334	NW_004515839.1	69305	TT	CC	CC	URR	101490894	uncharacterized LOC101490894
SNP_45309B_69336	scaffold334	NW_004515839.1	69336	TT	CC	CC	URR	101490894	uncharacterized LOC101490894
SNP_45310B_105840	scaffold334	NW_004515839.1	105840	TT	CC	CC	INTERGENIC		
SNP_45311B_105844	scaffold334	NW_004515839.1	105844	CC	TT	TT	INTERGENIC		
SNP_45312B_105852	scaffold334	NW_004515839.1	105852	CC	AA	AA	INTERGENIC		
SNP_45313B_105903	scaffold334	NW_004515839.1	105903	TT	AA	AA	INTERGENIC		
SNP_45314B_105913	scaffold334	NW_004515839.1	105913	TT	CC	CC	INTERGENIC		
SNP_45315B_105945	scaffold334	NW_004515839.1	105945	TT	AA	AA	INTERGENIC		
SNP_45316B_105951	scaffold334	NW_004515839.1	105951	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45317B_105960	scaffold334	NW_004515839.1	105960	TT	CC	CC	INTERGENIC		
SNP_45318B_105966	scaffold334	NW_004515839.1	105966	TT	AA	AA	INTERGENIC		
SNP_45319B_105984	scaffold334	NW_004515839.1	105984	AA	GG	GG	INTERGENIC		
SNP_45320B_106020	scaffold334	NW_004515839.1	106020	TT	CC	CC	INTERGENIC		
SNP_45321B_106080	scaffold334	NW_004515839.1	106080	AA	CC	CC	INTERGENIC		
SNP_45322B_106214	scaffold334	NW_004515839.1	106214	GG	TT	TT	INTERGENIC		
SNP_45323B_108714	scaffold334	NW_004515839.1	108714	AA	CC	CC	INTERGENIC		
SNP_45324B_108805	scaffold334	NW_004515839.1	108805	TT	CC	CC	INTERGENIC		
SNP_45325B_108912	scaffold334	NW_004515839.1	108912	CC	AA	AA	INTERGENIC		
SNP_45326B_108939	scaffold334	NW_004515839.1	108939	AA	TT	TT	INTERGENIC		
SNP_45327B_109006	scaffold334	NW_004515839.1	109006	GG	AA	AA	INTERGENIC		
SNP_45328B_109019	scaffold334	NW_004515839.1	109019	TT	CC	CC	INTERGENIC		
SNP_45329B_109083	scaffold334	NW_004515839.1	109083	TT	CC	CC	INTERGENIC		
SNP_45330B_110607	scaffold334	NW_004515839.1	110607	AA	CC	CC	INTERGENIC		
SNP_45331B_112484	scaffold334	NW_004515839.1	112484	CC	TT	TT	INTERGENIC		
SNP_45332B_112508	scaffold334	NW_004515839.1	112508	GG	AA	AA	INTERGENIC		
SNP_45333B_151355	scaffold334	NW_004515839.1	151355	TT	CC	CC	INTERGENIC		
SNP_45334B_156371	scaffold334	NW_004515839.1	156371	TT	CC	CC	INTERGENIC		
SNP_45335B_28818	scaffold335	NW_004515840.1	28818	AA	GG	GG	INTERGENIC		
SNP_45336B_28888	scaffold335	NW_004515840.1	28888	TT	CC	CC	INTERGENIC		
SNP_45337B_28901	scaffold335	NW_004515840.1	28901	TT	GG	GG	INTERGENIC		
SNP_45338B_28902	scaffold335	NW_004515840.1	28902	AA	TT	TT	INTERGENIC		
SNP_45339B_28919	scaffold335	NW_004515840.1	28919	TT	CC	CC	INTERGENIC		
SNP_45341B_134646	scaffold335	NW_004515840.1	134646	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45342B_134653	scaffold335	NW_004515840.1	134653	TT	CC	CC	INTERGENIC		
SNP_45343B_134697	scaffold335	NW_004515840.1	134697	GG	CC	CC	INTERGENIC		
SNP_45344B_134745	scaffold335	NW_004515840.1	134745	TT	CC	CC	INTERGENIC		
SNP_45345B_134982	scaffold335	NW_004515840.1	134982	GG	TT	TT	INTERGENIC		
SNP_45346B_137327	scaffold335	NW_004515840.1	137327	GG	AA	AA	INTERGENIC		
SNP_45347B_137449	scaffold335	NW_004515840.1	137449	AA	CC	CC	INTERGENIC		
SNP_45348B_137492	scaffold335	NW_004515840.1	137492	AA	TT	TT	INTERGENIC		
SNP_45350B_137805	scaffold335	NW_004515840.1	137805	AA	TT	TT	INTERGENIC		
SNP_45351B_137808	scaffold335	NW_004515840.1	137808	AA	TT	TT	INTERGENIC		
SNP_45352B_137817	scaffold335	NW_004515840.1	137817	TT	CC	CC	INTERGENIC		
SNP_45353B_137833	scaffold335	NW_004515840.1	137833	AA	GG	GG	INTERGENIC		
SNP_45355B_137975	scaffold335	NW_004515840.1	137975	AA	GG	GG	INTERGENIC		
SNP_45356B_139151	scaffold335	NW_004515840.1	139151	CC	AA	AA	INTERGENIC		
SNP_45357B_142244	scaffold335	NW_004515840.1	142244	GG	AA	AA	INTERGENIC		
SNP_45358B_142249	scaffold335	NW_004515840.1	142249	CC	TT	TT	INTERGENIC		
SNP_45359B_148158	scaffold335	NW_004515840.1	148158	CC	GG	GG	INTERGENIC		
SNP_45360B_157915	scaffold335	NW_004515840.1	157915	GG	AA	AA	INTERGENIC		
SNP_45361B_157976	scaffold335	NW_004515840.1	157976	TT	CC	CC	INTERGENIC		
SNP_45363B_195396	scaffold335	NW_004515840.1	195396	AA	GG	GG	INTERGENIC		
SNP_45364B_195435	scaffold335	NW_004515840.1	195435	AA	GG	GG	INTERGENIC		
SNP_45365B_216049	scaffold335	NW_004515840.1	216049	TT	GG	GG	INTERGENIC		
SNP_45366B_216296	scaffold335	NW_004515840.1	216296	GG	AA	AA	INTERGENIC		
SNP_45367B_12130	scaffold336	NW_004515841.1	12130	AA	CC	CC	INTERGENIC		
SNP_45368B_12180	scaffold336	NW_004515841.1	12180	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45369B_12438	scaffold336	NW_004515841.1	12438	AA	GG	GG	INTERGENIC		
SNP_45370B_13226	scaffold336	NW_004515841.1	13226	CC	TT	TT	INTERGENIC		
SNP_45371B_13591	scaffold336	NW_004515841.1	13591	AA	TT	TT	INTERGENIC		
SNP_45372B_13677	scaffold336	NW_004515841.1	13677	AA	GG	GG	INTERGENIC		
SNP_45373B_13685	scaffold336	NW_004515841.1	13685	CC	TT	TT	INTERGENIC		
SNP_45374B_13740	scaffold336	NW_004515841.1	13740	AA	GG	GG	INTERGENIC		
SNP_45375B_63808	scaffold336	NW_004515841.1	63808	AA	GG	GG	INTERGENIC		
SNP_45376B_64062	scaffold336	NW_004515841.1	64062	GG	CC	CC	INTERGENIC		
SNP_45377B_65436	scaffold336	NW_004515841.1	65436	TT	GG	GG	INTERGENIC		
SNP_45378B_67784	scaffold336	NW_004515841.1	67784	AA	GG	GG	INTERGENIC		
SNP_45380B_68830	scaffold336	NW_004515841.1	68830	TT	AA	AA	INTERGENIC		
SNP_45381B_68864	scaffold336	NW_004515841.1	68864	GG	TT	TT	INTERGENIC		
SNP_45382B_90934	scaffold336	NW_004515841.1	90934	GG	AA	AA	INTERGENIC		
SNP_45383B_90981	scaffold336	NW_004515841.1	90981	AA	GG	GG	INTERGENIC		
SNP_45384B_99303	scaffold336	NW_004515841.1	99303	GG	CC	CC	INTERGENIC		
SNP_45385B_105989	scaffold336	NW_004515841.1	105989	GG	TT	TT	INTERGENIC		
SNP_45386B_177667	scaffold336	NW_004515841.1	177667	TT	CC	CC	URR	101497928	uncharacterized LOC101497928
SNP_45387B_177676	scaffold336	NW_004515841.1	177676	CC	GG	GG	URR	101497928	uncharacterized LOC101497928
SNP_45388B_178501	scaffold336	NW_004515841.1	178501	AA	CC	CC	URR	101497928	uncharacterized LOC101497928
SNP_45389B_178545	scaffold336	NW_004515841.1	178545	TT	AA	AA	URR	101497928	uncharacterized LOC101497928
SNP_45390B_178959	scaffold336	NW_004515841.1	178959	AA	CC	CC	URR	101497928	uncharacterized LOC101497928
SNP_45391B_184524	scaffold336	NW_004515841.1	184524	TT	AA	AA	INTERGENIC		
SNP_45393B_187863	scaffold336	NW_004515841.1	187863	AA	GG	GG	INTERGENIC		
SNP_45394B_216742	scaffold336	NW_004515841.1	216742	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45395B_333995	scaffold336	NW_004515841.1	333995	AA	GG	GG	INTERGENIC		
SNP_45396B_360823	scaffold336	NW_004515841.1	360823	TT	CC	CC	INTERGENIC		
SNP_45397B_360869	scaffold336	NW_004515841.1	360869	AA	GG	GG	INTERGENIC		
SNP_45398B_360932	scaffold336	NW_004515841.1	360932	AA	CC	CC	INTERGENIC		
SNP_45399B_360971	scaffold336	NW_004515841.1	360971	AA	CC	CC	INTERGENIC		
SNP_45400B_400348	scaffold336	NW_004515841.1	400348	GG	AA	AA	INTERGENIC		
SNP_45401B_530113	scaffold336	NW_004515841.1	530113	AA	CC	CC	INTERGENIC		
SNP_45402B_530124	scaffold336	NW_004515841.1	530124	AA	GG	GG	INTERGENIC		
SNP_45403B_530174	scaffold336	NW_004515841.1	530174	CC	TT	TT	INTERGENIC		
SNP_45404B_530181	scaffold336	NW_004515841.1	530181	TT	GG	GG	INTERGENIC		
SNP_45405B_538373	scaffold336	NW_004515841.1	538373	AA	GG	GG	INTERGENIC		
SNP_45406B_538401	scaffold336	NW_004515841.1	538401	TT	GG	GG	INTERGENIC		
SNP_45407B_538409	scaffold336	NW_004515841.1	538409	GG	AA	AA	INTERGENIC		
SNP_45408B_538413	scaffold336	NW_004515841.1	538413	AA	GG	GG	INTERGENIC		
SNP_45409B_538479	scaffold336	NW_004515841.1	538479	TT	GG	GG	INTERGENIC		
SNP_45410B_538530	scaffold336	NW_004515841.1	538530	GG	AA	AA	INTERGENIC		
SNP_45411B_538689	scaffold336	NW_004515841.1	538689	AA	GG	GG	INTERGENIC		
SNP_45412B_538761	scaffold336	NW_004515841.1	538761	GG	AA	AA	INTERGENIC		
SNP_45413B_538780	scaffold336	NW_004515841.1	538780	TT	CC	CC	INTERGENIC		
SNP_45414B_538862	scaffold336	NW_004515841.1	538862	CC	AA	AA	INTERGENIC		
SNP_45415B_565427	scaffold336	NW_004515841.1	565427	TT	CC	CC	INTERGENIC		
SNP_45416B_583610	scaffold336	NW_004515841.1	583610	CC	TT	TT	INTRON	101495850	RNA-directed DNA methylation 4
SNP_45417B_583619	scaffold336	NW_004515841.1	583619	TT	GG	GG	INTRON	101495850	RNA-directed DNA methylation 4
SNP_45418B_583629	scaffold336	NW_004515841.1	583629	CC	AA	AA	INTRON	101495850	RNA-directed DNA methylation 4

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45419B_583640	scaffold336	NW_004515841.1	583640	AA	GG	GG	INTRON	101495850	RNA-directed DNA methylation 4
SNP_45420B_583658	scaffold336	NW_004515841.1	583658	TT	CC	CC	INTRON	101495850	RNA-directed DNA methylation 4
SNP_45421B_583664	scaffold336	NW_004515841.1	583664	AA	GG	GG	INTRON	101495850	RNA-directed DNA methylation 4
SNP_45422B_583697	scaffold336	NW_004515841.1	583697	AA	CC	CC	INTRON	101495850	RNA-directed DNA methylation 4
SNP_45423B_584021	scaffold336	NW_004515841.1	584021	AA	GG	GG	INTRON	101495850	RNA-directed DNA methylation 4
SNP_45424B_616547	scaffold336	NW_004515841.1	616547	AA	GG	GG	INTERGENIC		
SNP_45425B_616959	scaffold336	NW_004515841.1	616959	CC	TT	TT	INTERGENIC		
SNP_45426B_617479	scaffold336	NW_004515841.1	617479	CC	AA	AA	DRR	101499558	ABC transporter B family member 26, chloroplastic-like
SNP_45428B_633900	scaffold336	NW_004515841.1	633900	AA	GG	GG	INTRON	101499558	ABC transporter B family member 26, chloroplastic-like
SNP_45430B_634151	scaffold336	NW_004515841.1	634151	GG	AA	AA	INTRON	101499558	ABC transporter B family member 26, chloroplastic-like
SNP_45431B_634155	scaffold336	NW_004515841.1	634155	AA	GG	GG	INTRON	101499558	ABC transporter B family member 26, chloroplastic-like
SNP_45432B_634248	scaffold336	NW_004515841.1	634248	TT	CC	CC	INTRON	101499558	ABC transporter B family member 26, chloroplastic-like
SNP_45433B_634266	scaffold336	NW_004515841.1	634266	AA	GG	GG	INTRON	101499558	ABC transporter B family member 26, chloroplastic-like
SNP_45434B_634377	scaffold336	NW_004515841.1	634377	AA	GG	GG	INTRON	101499558	ABC transporter B family member 26, chloroplastic-like
SNP_45435B_709844	scaffold336	NW_004515841.1	709844	AA	GG	GG	URR	101499856	Unknown function
SNP_45436B_709937	scaffold336	NW_004515841.1	709937	TT	GG	GG	URR	101499856	Unknown function
SNP_45437B_710048	scaffold336	NW_004515841.1	710048	AA	GG	GG	URR	101499856	Unknown function
SNP_45438B_710068	scaffold336	NW_004515841.1	710068	GG	TT	TT	URR	101499856	Unknown function
SNP_45440B_758051	scaffold336	NW_004515841.1	758051	TT	CC	CC	INTERGENIC		
SNP_45441B_758059	scaffold336	NW_004515841.1	758059	TT	CC	CC	INTERGENIC		
SNP_45442B_758076	scaffold336	NW_004515841.1	758076	AA	GG	GG	INTERGENIC		
SNP_45443B_763146	scaffold336	NW_004515841.1	763146	TT	CC	CC	INTERGENIC		
SNP_45444B_764898	scaffold336	NW_004515841.1	764898	GG	TT	TT	INTERGENIC		
SNP_45445B_768063	scaffold336	NW_004515841.1	768063	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45446B_798078	scaffold336	NW_004515841.1	798078	TT	AA	AA	INTERGENIC		
SNP_45447B_800641	scaffold336	NW_004515841.1	800641	CC	TT	TT	INTERGENIC		
SNP_45448B_805497	scaffold336	NW_004515841.1	805497	CC	TT	TT	INTERGENIC		
SNP_45449B_805909	scaffold336	NW_004515841.1	805909	AA	GG	GG	INTERGENIC		
SNP_45450B_822030	scaffold336	NW_004515841.1	822030	CC	AA	AA	INTERGENIC		
SNP_45451B_867806	scaffold336	NW_004515841.1	867806	GG	AA	AA	INTERGENIC		
SNP_45452B_71253	scaffold338	NW_004515842.1	71253	AA	TT	TT	INTERGENIC		
SNP_45453B_71497	scaffold338	NW_004515842.1	71497	AA	GG	GG	INTERGENIC		
SNP_45454B_71633	scaffold338	NW_004515842.1	71633	CC	TT	TT	INTERGENIC		
SNP_45455B_71725	scaffold338	NW_004515842.1	71725	GG	AA	AA	INTERGENIC		
SNP_45457B_8337	scaffold340	NW_004515843.1	8337	TT	AA	AA	INTERGENIC		
SNP_45458B_8754	scaffold340	NW_004515843.1	8754	GG	AA	AA	INTERGENIC		
SNP_45459B_9819	scaffold340	NW_004515843.1	9819	CC	TT	TT	INTERGENIC		
SNP_45460B_9874	scaffold340	NW_004515843.1	9874	GG	AA	AA	INTERGENIC		
SNP_45461B_10404	scaffold340	NW_004515843.1	10404	GG	AA	AA	INTERGENIC		
SNP_45462B_12123	scaffold340	NW_004515843.1	12123	AA	CC	CC	INTERGENIC		
SNP_45463B_12171	scaffold340	NW_004515843.1	12171	TT	AA	AA	INTERGENIC		
SNP_45464B_12175	scaffold340	NW_004515843.1	12175	CC	AA	AA	INTERGENIC		
SNP_45465B_12394	scaffold340	NW_004515843.1	12394	CC	AA	AA	INTERGENIC		
SNP_45466B_12399	scaffold340	NW_004515843.1	12399	TT	CC	CC	INTERGENIC		
SNP_45468B_58532	scaffold340	NW_004515843.1	58532	GG	AA	AA	URR	101503481	chromosome transmission fidelity protein 18 homolog
SNP_45470B_66358	scaffold340	NW_004515843.1	66358	AA	CC	CC	INTERGENIC		
SNP_45471B_66609	scaffold340	NW_004515843.1	66609	CC	TT	TT	INTERGENIC		
SNP_45472B_68876	scaffold340	NW_004515843.1	68876	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45473B_68953	scaffold340	NW_004515843.1	68953	CC	TT	TT	INTERGENIC		
SNP_45474B_68955	scaffold340	NW_004515843.1	68955	AA	GG	GG	INTERGENIC		
SNP_45475B_69451	scaffold340	NW_004515843.1	69451	GG	CC	CC	INTERGENIC		
SNP_45476B_77545	scaffold340	NW_004515843.1	77545	TT	CC	CC	INTERGENIC		
SNP_45477B_90236	scaffold340	NW_004515843.1	90236	CC	TT	TT	INTERGENIC		
SNP_45478B_90585	scaffold340	NW_004515843.1	90585	TT	GG	GG	INTERGENIC		
SNP_45479B_90701	scaffold340	NW_004515843.1	90701	GG	AA	AA	INTERGENIC		
SNP_45480B_90716	scaffold340	NW_004515843.1	90716	GG	AA	AA	INTERGENIC		
SNP_45481B_90732	scaffold340	NW_004515843.1	90732	GG	AA	AA	INTERGENIC		
SNP_45482B_90790	scaffold340	NW_004515843.1	90790	CC	TT	TT	INTERGENIC		
SNP_45483B_90820	scaffold340	NW_004515843.1	90820	AA	CC	CC	INTERGENIC		
SNP_45484B_91324	scaffold340	NW_004515843.1	91324	CC	GG	GG	INTERGENIC		
SNP_45485B_98141	scaffold340	NW_004515843.1	98141	GG	TT	TT	URR	101502427	putative vesicle-associated membrane protein 726
SNP_45486B_110521	scaffold340	NW_004515843.1	110521	GG	TT	TT	INTERGENIC		
SNP_45487B_110522	scaffold340	NW_004515843.1	110522	CC	AA	AA	INTERGENIC		
SNP_45488B_111660	scaffold340	NW_004515843.1	111660	GG	AA	AA	INTERGENIC		
SNP_45489B_111784	scaffold340	NW_004515843.1	111784	TT	CC	CC	INTERGENIC		
SNP_45490B_122373	scaffold340	NW_004515843.1	122373	AA	GG	GG	INTERGENIC		
SNP_45491B_122408	scaffold340	NW_004515843.1	122408	GG	AA	AA	INTERGENIC		
SNP_45492B_122417	scaffold340	NW_004515843.1	122417	CC	AA	AA	INTERGENIC		
SNP_45493B_131551	scaffold340	NW_004515843.1	131551	AA	GG	GG	INTERGENIC		
SNP_45494B_138363	scaffold340	NW_004515843.1	138363	GG	CC	CC	INTERGENIC		
SNP_45496B_164266	scaffold340	NW_004515843.1	164266	AA	GG	GG	INTRON	101504138	Unknown function
SNP_45497B_165109	scaffold340	NW_004515843.1	165109	AA	GG	GG	INTRON	101504138	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45498B_174509	scaffold340	NW_004515843.1	174509	AA	TT	TT	INTERGENIC		
SNP_45499B_186424	scaffold340	NW_004515843.1	186424	CC	TT	TT	INTERGENIC		
SNP_45501B_204367	scaffold340	NW_004515843.1	204367	AA	GG	GG	INTERGENIC		
SNP_45502B_205793	scaffold340	NW_004515843.1	205793	CC	TT	TT	INTERGENIC		
SNP_45503B_219176	scaffold340	NW_004515843.1	219176	CC	TT	TT	INTERGENIC		
SNP_45504B_219397	scaffold340	NW_004515843.1	219397	CC	TT	TT	INTERGENIC		
SNP_45505B_238396	scaffold340	NW_004515843.1	238396	GG	AA	AA	INTERGENIC		
SNP_45506B_238445	scaffold340	NW_004515843.1	238445	GG	TT	TT	INTERGENIC		
SNP_45507B_238529	scaffold340	NW_004515843.1	238529	CC	AA	AA	INTERGENIC		
SNP_45508B_242042	scaffold340	NW_004515843.1	242042	AA	GG	GG	INTERGENIC		
SNP_45509B_242097	scaffold340	NW_004515843.1	242097	AA	GG	GG	INTERGENIC		
SNP_45510B_242131	scaffold340	NW_004515843.1	242131	TT	CC	CC	INTERGENIC		
SNP_45511B_242159	scaffold340	NW_004515843.1	242159	AA	GG	GG	INTERGENIC		
SNP_45512B_242168	scaffold340	NW_004515843.1	242168	CC	TT	TT	INTERGENIC		
SNP_45513B_242199	scaffold340	NW_004515843.1	242199	TT	GG	GG	INTERGENIC		
SNP_45514B_242225	scaffold340	NW_004515843.1	242225	AA	CC	CC	INTERGENIC		
SNP_45515B_242461	scaffold340	NW_004515843.1	242461	TT	CC	CC	INTERGENIC		
SNP_45516B_242472	scaffold340	NW_004515843.1	242472	TT	GG	GG	INTERGENIC		
SNP_45517B_242473	scaffold340	NW_004515843.1	242473	GG	TT	TT	INTERGENIC		
SNP_45518B_243384	scaffold340	NW_004515843.1	243384	TT	CC	CC	INTERGENIC		
SNP_45519B_249279	scaffold340	NW_004515843.1	249279	CC	TT	TT	INTERGENIC		
SNP_45521B_259960	scaffold340	NW_004515843.1	259960	GG	AA	AA	INTERGENIC		
SNP_45522B_270282	scaffold340	NW_004515843.1	270282	GG	CC	CC	INTERGENIC		
SNP_45523B_281806	scaffold340	NW_004515843.1	281806	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45524B_282212	scaffold340	NW_004515843.1	282212	AA	GG	GG	INTERGENIC		
SNP_45525B_289989	scaffold340	NW_004515843.1	289989	AA	GG	GG	INTRON	101504456	Unknown function
SNP_45527B_295473	scaffold340	NW_004515843.1	295473	TT	CC	CC	URR	101504456	Unknown function
SNP_45528B_295497	scaffold340	NW_004515843.1	295497	TT	AA	AA	URR	101504456	Unknown function
SNP_45529B_296648	scaffold340	NW_004515843.1	296648	CC	TT	TT	URR	101504456	Unknown function
SNP_45530B_315101	scaffold340	NW_004515843.1	315101	GG	TT	TT	INTERGENIC		
SNP_45532B_318510	scaffold340	NW_004515843.1	318510	CC	TT	TT	INTERGENIC		
SNP_45533B_669	scaffold341	NW_004515844.1	669	AA	GG	GG	INTERGENIC		
SNP_45534B_879	scaffold341	NW_004515844.1	879	TT	CC	CC	INTERGENIC		
SNP_45535B_3924	scaffold341	NW_004515844.1	3924	CC	TT	TT	INTERGENIC		
SNP_45536B_68166	scaffold341	NW_004515844.1	68166	AA	CC	CC	INTERGENIC		
SNP_45537B_92581	scaffold341	NW_004515844.1	92581	GG	AA	AA	INTERGENIC		
SNP_45538B_116299	scaffold341	NW_004515844.1	116299	GG	TT	TT	INTERGENIC		
SNP_45539B_135144	scaffold341	NW_004515844.1	135144	AA	GG	GG	INTERGENIC		
SNP_45540B_135180	scaffold341	NW_004515844.1	135180	TT	GG	GG	INTERGENIC		
SNP_45541B_135265	scaffold341	NW_004515844.1	135265	AA	GG	GG	INTERGENIC		
SNP_45543B_135569	scaffold341	NW_004515844.1	135569	GG	TT	TT	INTERGENIC		
SNP_45544B_138015	scaffold341	NW_004515844.1	138015	CC	TT	TT	INTERGENIC		
SNP_45545B_144879	scaffold341	NW_004515844.1	144879	AA	GG	GG	INTERGENIC		
SNP_45546B_155070	scaffold341	NW_004515844.1	155070	CC	TT	TT	INTERGENIC		
SNP_45547B_159360	scaffold341	NW_004515844.1	159360	CC	TT	TT	INTERGENIC		
SNP_45548B_184974	scaffold341	NW_004515844.1	184974	AA	CC	CC	INTERGENIC		
SNP_45549B_185029	scaffold341	NW_004515844.1	185029	AA	TT	TT	INTERGENIC		
SNP_45550B_185067	scaffold341	NW_004515844.1	185067	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45551B_185354	scaffold341	NW_004515844.1	185354	CC	TT	TT	INTERGENIC		
SNP_45552B_185400	scaffold341	NW_004515844.1	185400	CC	TT	TT	INTERGENIC		
SNP_45553B_185542	scaffold341	NW_004515844.1	185542	AA	GG	GG	INTERGENIC		
SNP_45554B_674	scaffold342	NW_004515845.1	674	AA	GG	GG	INTERGENIC		
SNP_45555B_881	scaffold342	NW_004515845.1	881	AA	GG	GG	INTERGENIC		
SNP_45556B_19257	scaffold342	NW_004515845.1	19257	CC	GG	GG	INTERGENIC		
SNP_45557B_19525	scaffold342	NW_004515845.1	19525	TT	CC	CC	INTERGENIC		
SNP_45558B_19565	scaffold342	NW_004515845.1	19565	TT	AA	AA	INTERGENIC		
SNP_45559B_19566	scaffold342	NW_004515845.1	19566	CC	AA	AA	INTERGENIC		
SNP_45560B_19567	scaffold342	NW_004515845.1	19567	TT	CC	CC	INTERGENIC		
SNP_45561B_19633	scaffold342	NW_004515845.1	19633	TT	CC	CC	INTERGENIC		
SNP_45562B_23996	scaffold342	NW_004515845.1	23996	TT	CC	CC	INTERGENIC		
SNP_45563B_46110	scaffold342	NW_004515845.1	46110	CC	TT	TT	INTRON	101507681	glutamate receptor 2.9-like
SNP_45564B_46112	scaffold342	NW_004515845.1	46112	CC	GG	GG	INTRON	101507681	glutamate receptor 2.9-like
SNP_45565B_61391	scaffold342	NW_004515845.1	61391	TT	CC	CC	NON_SYNONYMOUS_CODING	101508007	Unknown function
SNP_45566B_61396	scaffold342	NW_004515845.1	61396	CC	TT	TT	STOP_GAINED	101508007	Unknown function
SNP_45567B_78731	scaffold342	NW_004515845.1	78731	TT	CC	CC	INTRON	101508634	kelch repeat-containing protein At3g27220-like
SNP_45568B_80405	scaffold342	NW_004515845.1	80405	GG	AA	AA	INTRON	101508634	kelch repeat-containing protein At3g27220-like
SNP_45569B_125463	scaffold342	NW_004515845.1	125463	TT	CC	CC	INTERGENIC		
SNP_45570B_125534	scaffold342	NW_004515845.1	125534	CC	TT	TT	INTERGENIC		
SNP_45571B_125558	scaffold342	NW_004515845.1	125558	TT	CC	CC	INTERGENIC		
SNP_45572B_125580	scaffold342	NW_004515845.1	125580	GG	AA	AA	INTERGENIC		
SNP_45573B_125621	scaffold342	NW_004515845.1	125621	AA	TT	TT	INTERGENIC		
SNP_45574B_125636	scaffold342	NW_004515845.1	125636	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45575B_125728	scaffold342	NW_004515845.1	125728	AA	CC	CC	INTERGENIC		
SNP_45576B_125831	scaffold342	NW_004515845.1	125831	TT	CC	CC	INTERGENIC		
SNP_45577B_125853	scaffold342	NW_004515845.1	125853	TT	CC	CC	INTERGENIC		
SNP_45578B_125899	scaffold342	NW_004515845.1	125899	AA	GG	GG	INTERGENIC		
SNP_45579B_125940	scaffold342	NW_004515845.1	125940	TT	CC	CC	INTERGENIC		
SNP_45580B_132992	scaffold342	NW_004515845.1	132992	GG	TT	TT	INTERGENIC		
SNP_45581B_133054	scaffold342	NW_004515845.1	133054	AA	GG	GG	INTERGENIC		
SNP_45582B_133329	scaffold342	NW_004515845.1	133329	TT	AA	AA	INTERGENIC		
SNP_45583B_133337	scaffold342	NW_004515845.1	133337	TT	CC	CC	INTERGENIC		
SNP_45584B_183570	scaffold342	NW_004515845.1	183570	TT	GG	GG	INTERGENIC		
SNP_45585B_183593	scaffold342	NW_004515845.1	183593	GG	CC	CC	INTERGENIC		
SNP_45586B_183758	scaffold342	NW_004515845.1	183758	AA	TT	TT	INTERGENIC		
SNP_45587B_308341	scaffold342	NW_004515845.1	308341	CC	TT	TT	SYNONYMOUS_CODING	id199496	Unknown function
SNP_45589B_325320	scaffold342	NW_004515845.1	325320	CC	AA	AA	INTERGENIC		
SNP_45590B_340036	scaffold342	NW_004515845.1	340036	GG	AA	AA	INTERGENIC		
SNP_45591B_340113	scaffold342	NW_004515845.1	340113	TT	CC	CC	INTERGENIC		
SNP_45592B_340405	scaffold342	NW_004515845.1	340405	CC	TT	TT	INTERGENIC		
SNP_45593B_340444	scaffold342	NW_004515845.1	340444	TT	CC	CC	INTERGENIC		
SNP_45594B_340499	scaffold342	NW_004515845.1	340499	CC	GG	GG	INTERGENIC		
SNP_45596B_345028	scaffold342	NW_004515845.1	345028	CC	GG	GG	INTERGENIC		
SNP_45598B_41881	scaffold346_1	NW_004515847.1	41881	CC	TT	TT	INTERGENIC		
SNP_45599B_41904	scaffold346_1	NW_004515847.1	41904	GG	AA	AA	INTERGENIC		
SNP_45600B_41984	scaffold346_1	NW_004515847.1	41984	AA	CC	CC	INTERGENIC		
SNP_45601B_42068	scaffold346_1	NW_004515847.1	42068	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45602B_42109	scaffold346_1	NW_004515847.1	42109	AA	GG	GG	INTERGENIC		
SNP_45603B_42134	scaffold346_1	NW_004515847.1	42134	GG	AA	AA	INTERGENIC		
SNP_45604B_42169	scaffold346_1	NW_004515847.1	42169	TT	CC	CC	INTERGENIC		
SNP_45605B_42170	scaffold346_1	NW_004515847.1	42170	GG	AA	AA	INTERGENIC		
SNP_45606B_42281	scaffold346_1	NW_004515847.1	42281	AA	GG	GG	INTERGENIC		
SNP_45607B_42439	scaffold346_1	NW_004515847.1	42439	GG	TT	TT	DRR	101510564	Unknown function
SNP_45608B_42521	scaffold346_1	NW_004515847.1	42521	AA	GG	GG	URR	101511001	uncharacterized LOC101511001
SNP_45609B_42554	scaffold346_1	NW_004515847.1	42554	CC	TT	TT	URR	101511001	uncharacterized LOC101511001
SNP_45610B_42795	scaffold346_1	NW_004515847.1	42795	CC	TT	TT	URR	101511001	uncharacterized LOC101511001
SNP_45611B_42864	scaffold346_1	NW_004515847.1	42864	CC	TT	TT	URR	101511001	uncharacterized LOC101511001
SNP_45613B_130009	scaffold346_1	NW_004515847.1	130009	TT	CC	CC	INTRON	101488391	zinc finger CCCH domain-containing protein 13-like
SNP_45614B_199112	scaffold346_1	NW_004515847.1	199112	TT	CC	CC	INTERGENIC		
SNP_45615B_199245	scaffold346_1	NW_004515847.1	199245	CC	TT	TT	INTERGENIC		
SNP_45616B_199293	scaffold346_1	NW_004515847.1	199293	GG	AA	AA	INTERGENIC		
SNP_45617B_199317	scaffold346_1	NW_004515847.1	199317	TT	CC	CC	INTERGENIC		
SNP_45618B_199326	scaffold346_1	NW_004515847.1	199326	AA	GG	GG	INTERGENIC		
SNP_45619B_199449	scaffold346_1	NW_004515847.1	199449	AA	GG	GG	INTERGENIC		
SNP_45620B_199716	scaffold346_1	NW_004515847.1	199716	AA	GG	GG	INTERGENIC		
SNP_45621B_1278	scaffold349	NW_004515849.1	1278	AA	CC	CC	INTERGENIC		
SNP_45622B_67733	scaffold349	NW_004515849.1	67733	TT	AA	AA	INTERGENIC		
SNP_45623B_67752	scaffold349	NW_004515849.1	67752	AA	GG	GG	INTERGENIC		
SNP_45624B_67756	scaffold349	NW_004515849.1	67756	AA	GG	GG	INTERGENIC		
SNP_45625B_67767	scaffold349	NW_004515849.1	67767	TT	CC	CC	INTERGENIC		
SNP_45626B_72262	scaffold349	NW_004515849.1	72262	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45627B_92313	scaffold349	NW_004515849.1	92313	AA	GG	GG	INTERGENIC		
SNP_45628B_159465	scaffold349	NW_004515849.1	159465	AA	CC	CC	INTERGENIC		
SNP_45629B_172964	scaffold349	NW_004515849.1	172964	TT	AA	AA	DRR	101491742	uncharacterized LOC101491742
SNP_45630B_177690	scaffold349	NW_004515849.1	177690	AA	TT	TT	INTERGENIC		
SNP_45631B_177697	scaffold349	NW_004515849.1	177697	GG	AA	AA	INTERGENIC		
SNP_45632B_177715	scaffold349	NW_004515849.1	177715	TT	CC	CC	INTERGENIC		
SNP_45633B_177737	scaffold349	NW_004515849.1	177737	CC	TT	TT	INTERGENIC		
SNP_45635B_238453	scaffold349	NW_004515849.1	238453	CC	TT	TT	INTERGENIC		
SNP_45636B_335237	scaffold349	NW_004515849.1	335237	GG	AA	AA	INTERGENIC		
SNP_45638B_335716	scaffold349	NW_004515849.1	335716	GG	AA	AA	INTERGENIC		
SNP_45639B_346948	scaffold349	NW_004515849.1	346948	AA	GG	GG	INTERGENIC		
SNP_45640B_10306	scaffold350	NW_004515850.1	10306	GG	CC	CC	INTERGENIC		
SNP_45641B_60664	scaffold350	NW_004515850.1	60664	GG	TT	TT	INTERGENIC		
SNP_45642B_67076	scaffold350	NW_004515850.1	67076	GG	TT	TT	INTERGENIC		
SNP_45643B_68491	scaffold350	NW_004515850.1	68491	TT	CC	CC	INTERGENIC		
SNP_45644B_69521	scaffold350	NW_004515850.1	69521	AA	CC	CC	INTERGENIC		
SNP_45645B_69552	scaffold350	NW_004515850.1	69552	GG	AA	AA	INTERGENIC		
SNP_45646B_69564	scaffold350	NW_004515850.1	69564	CC	TT	TT	INTERGENIC		
SNP_45647B_69980	scaffold350	NW_004515850.1	69980	TT	CC	CC	INTERGENIC		
SNP_45648B_70052	scaffold350	NW_004515850.1	70052	CC	TT	TT	INTERGENIC		
SNP_45649B_86904	scaffold350	NW_004515850.1	86904	AA	GG	GG	INTERGENIC		
SNP_45650B_95347	scaffold350	NW_004515850.1	95347	CC	TT	TT	INTERGENIC		
SNP_45651B_103771	scaffold350	NW_004515850.1	103771	GG	TT	TT	INTERGENIC		
SNP_45652B_146817	scaffold350	NW_004515850.1	146817	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45653B_150564	scaffold350	NW_004515850.1	150564	AA	GG	GG	INTERGENIC		
SNP_45654B_165101	scaffold350	NW_004515850.1	165101	GG	AA	AA	INTERGENIC		
SNP_45655B_165206	scaffold350	NW_004515850.1	165206	CC	TT	TT	DRR	101494351	uncharacterized LOC101494351
SNP_45656B_165244	scaffold350	NW_004515850.1	165244	GG	CC	CC	DRR	101494351	uncharacterized LOC101494351
SNP_45658B_165798	scaffold350	NW_004515850.1	165798	TT	CC	CC	DRR	101494351	uncharacterized LOC101494351
SNP_45659B_166048	scaffold350	NW_004515850.1	166048	TT	AA	AA	DRR	101494351	uncharacterized LOC101494351
SNP_45660B_4414	scaffold351	NW_004515851.1	4414	CC	GG	GG	INTERGENIC		
SNP_45661B_15509	scaffold351	NW_004515851.1	15509	GG	AA	AA	INTERGENIC		
SNP_45662B_24268	scaffold351	NW_004515851.1	24268	GG	AA	AA	DRR	101495851	uncharacterized LOC101495851
SNP_45663B_24285	scaffold351	NW_004515851.1	24285	CC	GG	GG	DRR	101495851	uncharacterized LOC101495851
SNP_45664B_24385	scaffold351	NW_004515851.1	24385	AA	CC	CC	DRR	101495851	uncharacterized LOC101495851
SNP_45665B_66533	scaffold351	NW_004515851.1	66533	GG	AA	AA	INTERGENIC		
SNP_45667B_6890	scaffold352	NW_004515852.1	6890	AA	TT	TT	INTERGENIC		
SNP_45668B_22912	scaffold352	NW_004515852.1	22912	CC	TT	TT	INTERGENIC		
SNP_45669B_23106	scaffold352	NW_004515852.1	23106	TT	CC	CC	INTERGENIC		
SNP_45670B_23152	scaffold352	NW_004515852.1	23152	CC	TT	TT	INTERGENIC		
SNP_45671B_23223	scaffold352	NW_004515852.1	23223	AA	GG	GG	INTERGENIC		
SNP_45672B_23291	scaffold352	NW_004515852.1	23291	CC	TT	TT	INTERGENIC		
SNP_45674B_48651	scaffold352	NW_004515852.1	48651	GG	AA	AA	INTERGENIC		
SNP_45675B_48673	scaffold352	NW_004515852.1	48673	CC	GG	GG	INTERGENIC		
SNP_45676B_48759	scaffold352	NW_004515852.1	48759	GG	AA	AA	INTERGENIC		
SNP_45677B_48783	scaffold352	NW_004515852.1	48783	TT	AA	AA	INTERGENIC		
SNP_45678B_48787	scaffold352	NW_004515852.1	48787	GG	AA	AA	INTERGENIC		
SNP_45679B_54883	scaffold352	NW_004515852.1	54883	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45680B_63811	scaffold352	NW_004515852.1	63811	TT	CC	CC	INTERGENIC		
SNP_45681B_106677	scaffold352	NW_004515852.1	106677	TT	CC	CC	INTERGENIC		
SNP_45682B_106684	scaffold352	NW_004515852.1	106684	GG	TT	TT	INTERGENIC		
SNP_45683B_106685	scaffold352	NW_004515852.1	106685	GG	CC	CC	INTERGENIC		
SNP_45684B_106702	scaffold352	NW_004515852.1	106702	GG	TT	TT	INTERGENIC		
SNP_45685B_106721	scaffold352	NW_004515852.1	106721	TT	GG	GG	INTERGENIC		
SNP_45686B_107908	scaffold352	NW_004515852.1	107908	CC	TT	TT	INTERGENIC		
SNP_45687B_109087	scaffold352	NW_004515852.1	109087	AA	TT	TT	INTERGENIC		
SNP_45688B_133447	scaffold352	NW_004515852.1	133447	TT	AA	AA	INTERGENIC		
SNP_45690B_133603	scaffold352	NW_004515852.1	133603	GG	CC	CC	INTERGENIC		
SNP_45691B_133606	scaffold352	NW_004515852.1	133606	GG	AA	AA	INTERGENIC		
SNP_45692B_133918	scaffold352	NW_004515852.1	133918	AA	TT	TT	INTERGENIC		
SNP_45693B_154136	scaffold352	NW_004515852.1	154136	CC	TT	TT	INTERGENIC		
SNP_45694B_154633	scaffold352	NW_004515852.1	154633	AA	GG	GG	INTERGENIC		
SNP_45695B_154652	scaffold352	NW_004515852.1	154652	TT	CC	CC	INTERGENIC		
SNP_45696B_154676	scaffold352	NW_004515852.1	154676	TT	GG	GG	INTERGENIC		
SNP_45697B_172571	scaffold352	NW_004515852.1	172571	AA	CC	CC	INTERGENIC		
SNP_45698B_172572	scaffold352	NW_004515852.1	172572	TT	CC	CC	INTERGENIC		
SNP_45699B_172637	scaffold352	NW_004515852.1	172637	CC	TT	TT	INTERGENIC		
SNP_45700B_172666	scaffold352	NW_004515852.1	172666	TT	GG	GG	INTERGENIC		
SNP_45701B_174548	scaffold352	NW_004515852.1	174548	CC	GG	GG	INTERGENIC		
SNP_45702B_177507	scaffold352	NW_004515852.1	177507	GG	AA	AA	URR	101497163	F-box/FBD/LRR-repeat protein At3g26920-like
SNP_45703B_177578	scaffold352	NW_004515852.1	177578	CC	TT	TT	URR	101497163	F-box/FBD/LRR-repeat protein At3g26920-like
SNP_45704B_177643	scaffold352	NW_004515852.1	177643	TT	CC	CC	URR	101497163	F-box/FBD/LRR-repeat protein At3g26920-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45705B_177875	scaffold352	NW_004515852.1	177875	AA	GG	GG	URR	101497163	F-box/FBD/LRR-repeat protein At3g26920-like
SNP_45706B_177908	scaffold352	NW_004515852.1	177908	CC	TT	TT	URR	101497163	F-box/FBD/LRR-repeat protein At3g26920-like
SNP_45707B_177951	scaffold352	NW_004515852.1	177951	CC	TT	TT	URR	101497163	F-box/FBD/LRR-repeat protein At3g26920-like
SNP_45710B_178129	scaffold352	NW_004515852.1	178129	AA	GG	GG	URR	101497163	F-box/FBD/LRR-repeat protein At3g26920-like
SNP_45711B_178191	scaffold352	NW_004515852.1	178191	CC	GG	GG	URR	101497163	F-box/FBD/LRR-repeat protein At3g26920-like
SNP_45712B_178247	scaffold352	NW_004515852.1	178247	GG	CC	CC	URR	101497163	F-box/FBD/LRR-repeat protein At3g26920-like
SNP_45713B_178351	scaffold352	NW_004515852.1	178351	TT	GG	GG	URR	101497163	F-box/FBD/LRR-repeat protein At3g26920-like
SNP_45714B_178473	scaffold352	NW_004515852.1	178473	TT	GG	GG	URR	101497163	F-box/FBD/LRR-repeat protein At3g26920-like
SNP_45715B_178478	scaffold352	NW_004515852.1	178478	CC	GG	GG	URR	101497163	F-box/FBD/LRR-repeat protein At3g26920-like
SNP_45717B_178720	scaffold352	NW_004515852.1	178720	GG	CC	CC	URR	101497163	F-box/FBD/LRR-repeat protein At3g26920-like
SNP_45718B_178739	scaffold352	NW_004515852.1	178739	GG	CC	CC	URR	101497163	F-box/FBD/LRR-repeat protein At3g26920-like
SNP_45719B_178807	scaffold352	NW_004515852.1	178807	TT	CC	CC	URR	101497163	F-box/FBD/LRR-repeat protein At3g26920-like
SNP_45720B_179013	scaffold352	NW_004515852.1	179013	TT	CC	CC	URR	101497163	F-box/FBD/LRR-repeat protein At3g26920-like
SNP_45721B_179142	scaffold352	NW_004515852.1	179142	GG	AA	AA	URR	101497163	F-box/FBD/LRR-repeat protein At3g26920-like
SNP_45722B_179147	scaffold352	NW_004515852.1	179147	TT	CC	CC	URR	101497163	F-box/FBD/LRR-repeat protein At3g26920-like
SNP_45723B_180829	scaffold352	NW_004515852.1	180829	AA	GG	GG	INTERGENIC		
SNP_45724B_188959	scaffold352	NW_004515852.1	188959	GG	TT	TT	INTERGENIC		
SNP_45725B_191887	scaffold352	NW_004515852.1	191887	GG	AA	AA	INTERGENIC		
SNP_45726B_192059	scaffold352	NW_004515852.1	192059	GG	AA	AA	INTERGENIC		
SNP_45727B_193088	scaffold352	NW_004515852.1	193088	TT	CC	CC	INTERGENIC		
SNP_45728B_194116	scaffold352	NW_004515852.1	194116	CC	TT	TT	INTERGENIC		
SNP_45729B_194338	scaffold352	NW_004515852.1	194338	AA	TT	TT	INTERGENIC		
SNP_45730B_194555	scaffold352	NW_004515852.1	194555	CC	TT	TT	INTERGENIC		
SNP_45731B_6827	scaffold353	NW_004515853.1	6827	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45732B_14507	scaffold353	NW_004515853.1	14507	AA	GG	GG	INTERGENIC		
SNP_45733B_19096	scaffold353	NW_004515853.1	19096	GG	TT	TT	INTERGENIC		
SNP_45734B_59269	scaffold353	NW_004515853.1	59269	AA	CC	CC	INTERGENIC		
SNP_45735B_59972	scaffold353	NW_004515853.1	59972	AA	GG	GG	INTERGENIC		
SNP_45737B_999	scaffold355	NW_004515855.1	999	AA	CC	CC	INTERGENIC		
SNP_45738B_1078	scaffold355	NW_004515855.1	1078	AA	TT	TT	INTERGENIC		
SNP_45739B_1144	scaffold355	NW_004515855.1	1144	AA	GG	GG	INTERGENIC		
SNP_45741B_1446	scaffold355	NW_004515855.1	1446	GG	AA	AA	INTERGENIC		
SNP_45742B_15759	scaffold355	NW_004515855.1	15759	CC	AA	AA	INTERGENIC		
SNP_45743B_15862	scaffold355	NW_004515855.1	15862	GG	CC	CC	INTERGENIC		
SNP_45744B_16039	scaffold355	NW_004515855.1	16039	CC	TT	TT	INTERGENIC		
SNP_45745B_51901	scaffold355	NW_004515855.1	51901	AA	GG	GG	INTERGENIC		
SNP_45746B_66635	scaffold355	NW_004515855.1	66635	GG	TT	TT	INTERGENIC		
SNP_45747B_86434	scaffold355	NW_004515855.1	86434	AA	GG	GG	INTERGENIC		
SNP_45748B_86555	scaffold355	NW_004515855.1	86555	TT	CC	CC	INTERGENIC		
SNP_45749B_86567	scaffold355	NW_004515855.1	86567	AA	GG	GG	INTERGENIC		
SNP_45750B_86570	scaffold355	NW_004515855.1	86570	CC	GG	GG	INTERGENIC		
SNP_45751B_86659	scaffold355	NW_004515855.1	86659	AA	CC	CC	INTERGENIC		
SNP_45752B_86698	scaffold355	NW_004515855.1	86698	TT	CC	CC	INTERGENIC		
SNP_45753B_86724	scaffold355	NW_004515855.1	86724	AA	GG	GG	INTERGENIC		
SNP_45754B_87056	scaffold355	NW_004515855.1	87056	TT	AA	AA	INTERGENIC		
SNP_45755B_88179	scaffold355	NW_004515855.1	88179	GG	TT	TT	INTERGENIC		
SNP_45756B_88592	scaffold355	NW_004515855.1	88592	CC	AA	AA	INTERGENIC		
SNP_45757B_88609	scaffold355	NW_004515855.1	88609	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45758B_88619	scaffold355	NW_004515855.1	88619	TT	CC	CC	INTERGENIC		
SNP_45759B_88620	scaffold355	NW_004515855.1	88620	CC	TT	TT	INTERGENIC		
SNP_45760B_88629	scaffold355	NW_004515855.1	88629	TT	CC	CC	INTERGENIC		
SNP_45761B_88630	scaffold355	NW_004515855.1	88630	CC	GG	GG	INTERGENIC		
SNP_45762B_88647	scaffold355	NW_004515855.1	88647	TT	CC	CC	INTERGENIC		
SNP_45763B_88694	scaffold355	NW_004515855.1	88694	AA	GG	GG	INTERGENIC		
SNP_45764B_88725	scaffold355	NW_004515855.1	88725	AA	GG	GG	INTERGENIC		
SNP_45765B_88726	scaffold355	NW_004515855.1	88726	AA	CC	CC	INTERGENIC		
SNP_45766B_1287	scaffold357	NW_004515856.1	1287	CC	GG	GG	INTERGENIC		
SNP_45767B_1327	scaffold357	NW_004515856.1	1327	AA	GG	GG	INTERGENIC		
SNP_45768B_1558	scaffold357	NW_004515856.1	1558	CC	GG	GG	INTERGENIC		
SNP_45769B_1635	scaffold357	NW_004515856.1	1635	CC	TT	TT	INTERGENIC		
SNP_45770B_1651	scaffold357	NW_004515856.1	1651	CC	AA	AA	INTERGENIC		
SNP_45771B_1656	scaffold357	NW_004515856.1	1656	CC	GG	GG	INTERGENIC		
SNP_45772B_1661	scaffold357	NW_004515856.1	1661	CC	AA	AA	INTERGENIC		
SNP_45773B_1712	scaffold357	NW_004515856.1	1712	AA	TT	TT	INTERGENIC		
SNP_45774B_1763	scaffold357	NW_004515856.1	1763	AA	TT	TT	INTERGENIC		
SNP_45775B_1854	scaffold357	NW_004515856.1	1854	GG	AA	AA	INTERGENIC		
SNP_45776B_1860	scaffold357	NW_004515856.1	1860	TT	GG	GG	INTERGENIC		
SNP_45777B_1885	scaffold357	NW_004515856.1	1885	AA	GG	GG	INTERGENIC		
SNP_45778B_1963	scaffold357	NW_004515856.1	1963	TT	AA	AA	INTERGENIC		
SNP_45779B_14159	scaffold362	NW_004515858.1	14159	TT	CC	CC	INTERGENIC		
SNP_45780B_75441	scaffold362	NW_004515858.1	75441	TT	CC	CC	INTERGENIC		
SNP_45781B_80535	scaffold362	NW_004515858.1	80535	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45782B_80662	scaffold362	NW_004515858.1	80662	TT	CC	CC	INTERGENIC		
SNP_45783B_80714	scaffold362	NW_004515858.1	80714	TT	CC	CC	INTERGENIC		
SNP_45784B_80880	scaffold362	NW_004515858.1	80880	TT	CC	CC	INTERGENIC		
SNP_45785B_80883	scaffold362	NW_004515858.1	80883	GG	AA	AA	INTERGENIC		
SNP_45786B_80911	scaffold362	NW_004515858.1	80911	AA	GG	GG	INTERGENIC		
SNP_45787B_81003	scaffold362	NW_004515858.1	81003	CC	TT	TT	INTERGENIC		
SNP_45788B_81024	scaffold362	NW_004515858.1	81024	CC	TT	TT	INTERGENIC		
SNP_45789B_81057	scaffold362	NW_004515858.1	81057	CC	AA	AA	INTERGENIC		
SNP_45790B_81070	scaffold362	NW_004515858.1	81070	AA	GG	GG	INTERGENIC		
SNP_45791B_81089	scaffold362	NW_004515858.1	81089	TT	CC	CC	INTERGENIC		
SNP_45792B_81104	scaffold362	NW_004515858.1	81104	AA	CC	CC	INTERGENIC		
SNP_45793B_81116	scaffold362	NW_004515858.1	81116	CC	TT	TT	INTERGENIC		
SNP_45794B_98616	scaffold362	NW_004515858.1	98616	AA	GG	GG	INTERGENIC		
SNP_45795B_166063	scaffold362	NW_004515858.1	166063	CC	AA	AA	URR	101502106	aldehyde dehydrogenase family 3 member H1-like
SNP_45796B_166243	scaffold362	NW_004515858.1	166243	TT	AA	AA	URR	101502106	aldehyde dehydrogenase family 3 member H1-like
SNP_45797B_166399	scaffold362	NW_004515858.1	166399	GG	TT	TT	URR	101502106	aldehyde dehydrogenase family 3 member H1-like
SNP_45799B_166457	scaffold362	NW_004515858.1	166457	AA	GG	GG	URR	101502106	aldehyde dehydrogenase family 3 member H1-like
SNP_45800B_166535	scaffold362	NW_004515858.1	166535	CC	AA	AA	URR	101502106	aldehyde dehydrogenase family 3 member H1-like
SNP_45801B_166584	scaffold362	NW_004515858.1	166584	TT	AA	AA	URR	101502106	aldehyde dehydrogenase family 3 member H1-like
SNP_45802B_166636	scaffold362	NW_004515858.1	166636	AA	GG	GG	URR	101502106	aldehyde dehydrogenase family 3 member H1-like
SNP_45803B_170209	scaffold362	NW_004515858.1	170209	AA	GG	GG	INTERGENIC		
SNP_45804B_263891	scaffold362	NW_004515858.1	263891	CC	AA	AA	INTERGENIC		
SNP_45805B_265923	scaffold362	NW_004515858.1	265923	TT	GG	GG	INTERGENIC		
SNP_45806B_267511	scaffold362	NW_004515858.1	267511	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45808B_301765	scaffold362	NW_004515858.1	301765	GG	TT	TT	INTERGENIC		
SNP_45809B_349470	scaffold362	NW_004515858.1	349470	TT	CC	CC	URR	101504347	uncharacterized LOC101504347
SNP_45810B_366629	scaffold362	NW_004515858.1	366629	CC	TT	TT	INTERGENIC		
SNP_45811B_257	scaffold363	NW_004515859.1	257	TT	CC	CC	INTERGENIC		
SNP_45812B_271	scaffold363	NW_004515859.1	271	GG	AA	AA	INTERGENIC		
SNP_45813B_334	scaffold363	NW_004515859.1	334	CC	GG	GG	INTERGENIC		
SNP_45814B_368	scaffold363	NW_004515859.1	368	GG	AA	AA	INTERGENIC		
SNP_45815B_535	scaffold363	NW_004515859.1	535	AA	GG	GG	INTERGENIC		
SNP_45816B_724	scaffold363	NW_004515859.1	724	GG	TT	TT	INTERGENIC		
SNP_45817B_25256	scaffold363	NW_004515859.1	25256	AA	GG	GG	INTERGENIC		
SNP_45818B_32978	scaffold363	NW_004515859.1	32978	CC	AA	AA	INTRON	101506169	O-glucosyltransferase rumi homolog
SNP_45819B_85000	scaffold363	NW_004515859.1	85000	TT	GG	GG	INTERGENIC		
SNP_45820B_85772	scaffold363	NW_004515859.1	85772	AA	GG	GG	INTERGENIC		
SNP_45821B_85864	scaffold363	NW_004515859.1	85864	TT	GG	GG	INTERGENIC		
SNP_45822B_96420	scaffold363	NW_004515859.1	96420	TT	CC	CC	INTERGENIC		
SNP_45823B_96421	scaffold363	NW_004515859.1	96421	GG	TT	TT	INTERGENIC		
SNP_45824B_96455	scaffold363	NW_004515859.1	96455	AA	GG	GG	INTERGENIC		
SNP_45825B_96461	scaffold363	NW_004515859.1	96461	TT	AA	AA	INTERGENIC		
SNP_45826B_96468	scaffold363	NW_004515859.1	96468	TT	CC	CC	INTERGENIC		
SNP_45827B_96477	scaffold363	NW_004515859.1	96477	GG	TT	TT	INTERGENIC		
SNP_45828B_96501	scaffold363	NW_004515859.1	96501	AA	TT	TT	INTERGENIC		
SNP_45829B_96515	scaffold363	NW_004515859.1	96515	CC	TT	TT	INTERGENIC		
SNP_45830B_96553	scaffold363	NW_004515859.1	96553	AA	GG	GG	INTERGENIC		
SNP_45831B_96556	scaffold363	NW_004515859.1	96556	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45832B_96560	scaffold363	NW_004515859.1	96560	GG	AA	AA	INTERGENIC		
SNP_45833B_96561	scaffold363	NW_004515859.1	96561	CC	TT	TT	INTERGENIC		
SNP_45834B_96566	scaffold363	NW_004515859.1	96566	CC	TT	TT	INTERGENIC		
SNP_45835B_96581	scaffold363	NW_004515859.1	96581	TT	CC	CC	INTERGENIC		
SNP_45836B_96583	scaffold363	NW_004515859.1	96583	CC	TT	TT	INTERGENIC		
SNP_45837B_96587	scaffold363	NW_004515859.1	96587	AA	GG	GG	INTERGENIC		
SNP_45838B_96602	scaffold363	NW_004515859.1	96602	TT	AA	AA	INTERGENIC		
SNP_45841B_96730	scaffold363	NW_004515859.1	96730	GG	AA	AA	INTERGENIC		
SNP_45842B_96768	scaffold363	NW_004515859.1	96768	TT	CC	CC	INTERGENIC		
SNP_45843B_96776	scaffold363	NW_004515859.1	96776	TT	CC	CC	INTERGENIC		
SNP_45844B_96900	scaffold363	NW_004515859.1	96900	TT	GG	GG	INTERGENIC		
SNP_45845B_96909	scaffold363	NW_004515859.1	96909	CC	TT	TT	INTERGENIC		
SNP_45846B_96914	scaffold363	NW_004515859.1	96914	CC	TT	TT	INTERGENIC		
SNP_45847B_96919	scaffold363	NW_004515859.1	96919	TT	CC	CC	INTERGENIC		
SNP_45848B_97011	scaffold363	NW_004515859.1	97011	GG	CC	CC	INTERGENIC		
SNP_45849B_97044	scaffold363	NW_004515859.1	97044	CC	GG	GG	INTERGENIC		
SNP_45850B_97059	scaffold363	NW_004515859.1	97059	CC	TT	TT	INTERGENIC		
SNP_45852B_34322	scaffold366	NW_004515861.1	34322	AA	GG	GG	INTERGENIC		
SNP_45853B_49515	scaffold366	NW_004515861.1	49515	CC	TT	TT	INTERGENIC		
SNP_45854B_61566	scaffold366	NW_004515861.1	61566	CC	TT	TT	SYNONYMOUS_CODING	101507052	uncharacterized LOC101507052
SNP_45855B_61576	scaffold366	NW_004515861.1	61576	CC	AA	AA	NON_SYNONYMOUS_CODING	101507052	uncharacterized LOC101507052
SNP_45856B_70768	scaffold366	NW_004515861.1	70768	GG	AA	AA	URR	101507052	uncharacterized LOC101507052
SNP_45857B_107712	scaffold366	NW_004515861.1	107712	TT	CC	CC	INTERGENIC		
SNP_45858B_107727	scaffold366	NW_004515861.1	107727	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45859B_107728	scaffold366	NW_004515861.1	107728	TT	CC	CC	INTERGENIC		
SNP_45860B_107729	scaffold366	NW_004515861.1	107729	GG	TT	TT	INTERGENIC		
SNP_45861B_107946	scaffold366	NW_004515861.1	107946	GG	TT	TT	INTERGENIC		
SNP_45862B_156016	scaffold366	NW_004515861.1	156016	CC	TT	TT	INTERGENIC		
SNP_45863B_156023	scaffold366	NW_004515861.1	156023	AA	TT	TT	INTERGENIC		
SNP_45864B_2644	scaffold367	NW_004515862.1	2644	TT	CC	CC	INTERGENIC		
SNP_45865B_6311	scaffold367	NW_004515862.1	6311	AA	CC	CC	INTRON	101507682	uncharacterized LOC101507682
SNP_45866B_6556	scaffold367	NW_004515862.1	6556	AA	GG	GG	NON_SYNONYMOUS_CODING	101507682	uncharacterized LOC101507682
SNP_45867B_12273	scaffold367	NW_004515862.1	12273	AA	TT	TT	INTERGENIC		
SNP_45868B_19728	scaffold367	NW_004515862.1	19728	CC	TT	TT	INTERGENIC		
SNP_45869B_20090	scaffold367	NW_004515862.1	20090	TT	CC	CC	INTERGENIC		
SNP_45870B_20095	scaffold367	NW_004515862.1	20095	TT	CC	CC	INTERGENIC		
SNP_45871B_20110	scaffold367	NW_004515862.1	20110	GG	AA	AA	INTERGENIC		
SNP_45872B_20205	scaffold367	NW_004515862.1	20205	TT	AA	AA	INTERGENIC		
SNP_45873B_20215	scaffold367	NW_004515862.1	20215	CC	AA	AA	INTERGENIC		
SNP_45874B_24636	scaffold367	NW_004515862.1	24636	AA	GG	GG	INTERGENIC		
SNP_45875B_25126	scaffold367	NW_004515862.1	25126	TT	AA	AA	INTERGENIC		
SNP_45876B_25200	scaffold367	NW_004515862.1	25200	TT	CC	CC	INTERGENIC		
SNP_45877B_25222	scaffold367	NW_004515862.1	25222	TT	CC	CC	INTERGENIC		
SNP_45878B_34550	scaffold367	NW_004515862.1	34550	CC	TT	TT	INTERGENIC		
SNP_45880B_36468	scaffold367	NW_004515862.1	36468	AA	GG	GG	INTERGENIC		
SNP_45881B_45300	scaffold367	NW_004515862.1	45300	AA	GG	GG	URR	101508318	basic 7S globulin-like
SNP_45882B_45307	scaffold367	NW_004515862.1	45307	CC	AA	AA	URR	101508318	basic 7S globulin-like
SNP_45883B_45403	scaffold367	NW_004515862.1	45403	TT	GG	GG	URR	101508318	basic 7S globulin-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45884B_45413	scaffold367	NW_004515862.1	45413	AA	GG	GG	URR	101508318	basic 7S globulin-like
SNP_45885B_51439	scaffold367	NW_004515862.1	51439	TT	GG	GG	INTERGENIC		
SNP_45886B_51452	scaffold367	NW_004515862.1	51452	AA	CC	CC	INTERGENIC		
SNP_45887B_51465	scaffold367	NW_004515862.1	51465	GG	AA	AA	INTERGENIC		
SNP_45888B_51474	scaffold367	NW_004515862.1	51474	GG	TT	TT	INTERGENIC		
SNP_45889B_51519	scaffold367	NW_004515862.1	51519	CC	TT	TT	INTERGENIC		
SNP_45890B_51552	scaffold367	NW_004515862.1	51552	TT	AA	AA	INTERGENIC		
SNP_45891B_51565	scaffold367	NW_004515862.1	51565	GG	CC	CC	INTERGENIC		
SNP_45892B_51613	scaffold367	NW_004515862.1	51613	TT	CC	CC	INTERGENIC		
SNP_45893B_51651	scaffold367	NW_004515862.1	51651	TT	CC	CC	INTERGENIC		
SNP_45894B_51714	scaffold367	NW_004515862.1	51714	TT	AA	AA	INTERGENIC		
SNP_45895B_51716	scaffold367	NW_004515862.1	51716	GG	AA	AA	INTERGENIC		
SNP_45896B_52450	scaffold367	NW_004515862.1	52450	AA	GG	GG	INTERGENIC		
SNP_45897B_52497	scaffold367	NW_004515862.1	52497	TT	AA	AA	INTERGENIC		
SNP_45898B_52539	scaffold367	NW_004515862.1	52539	GG	CC	CC	INTERGENIC		
SNP_45899B_55744	scaffold367	NW_004515862.1	55744	AA	CC	CC	INTERGENIC		
SNP_45900B_55811	scaffold367	NW_004515862.1	55811	TT	CC	CC	INTERGENIC		
SNP_45901B_61872	scaffold367	NW_004515862.1	61872	CC	TT	TT	INTERGENIC		
SNP_45902B_62750	scaffold367	NW_004515862.1	62750	TT	CC	CC	INTERGENIC		
SNP_45903B_72175	scaffold367	NW_004515862.1	72175	CC	GG	GG	INTERGENIC		
SNP_45904B_72278	scaffold367	NW_004515862.1	72278	AA	GG	GG	INTERGENIC		
SNP_45905B_72284	scaffold367	NW_004515862.1	72284	TT	CC	CC	INTERGENIC		
SNP_45906B_72306	scaffold367	NW_004515862.1	72306	TT	CC	CC	INTERGENIC		
SNP_45907B_72307	scaffold367	NW_004515862.1	72307	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45908B_78950	scaffold367	NW_004515862.1	78950	TT	CC	CC	INTRON	101508635	basic 7S globulin 2-like
SNP_45909B_79302	scaffold367	NW_004515862.1	79302	AA	GG	GG	INTRON	101508635	basic 7S globulin 2-like
SNP_45910B_79352	scaffold367	NW_004515862.1	79352	AA	GG	GG	INTRON	101508635	basic 7S globulin 2-like
SNP_45911B_92766	scaffold367	NW_004515862.1	92766	CC	TT	TT	INTERGENIC		
SNP_45912B_92781	scaffold367	NW_004515862.1	92781	CC	TT	TT	INTERGENIC		
SNP_45913B_92869	scaffold367	NW_004515862.1	92869	TT	GG	GG	INTERGENIC		
SNP_45914B_92871	scaffold367	NW_004515862.1	92871	TT	AA	AA	INTERGENIC		
SNP_45915B_92883	scaffold367	NW_004515862.1	92883	AA	GG	GG	INTERGENIC		
SNP_45916B_101069	scaffold367	NW_004515862.1	101069	AA	GG	GG	URR	101508953	mucin-5AC-like
SNP_45917B_119149	scaffold367	NW_004515862.1	119149	TT	AA	AA	INTERGENIC		
SNP_45918B_119179	scaffold367	NW_004515862.1	119179	TT	CC	CC	INTERGENIC		
SNP_45919B_119784	scaffold367	NW_004515862.1	119784	TT	GG	GG	INTERGENIC		
SNP_45920B_119791	scaffold367	NW_004515862.1	119791	AA	GG	GG	INTERGENIC		
SNP_45921B_119802	scaffold367	NW_004515862.1	119802	GG	AA	AA	INTERGENIC		
SNP_45922B_119827	scaffold367	NW_004515862.1	119827	CC	AA	AA	INTERGENIC		
SNP_45923B_119831	scaffold367	NW_004515862.1	119831	TT	GG	GG	INTERGENIC		
SNP_45924B_133841	scaffold367	NW_004515862.1	133841	AA	GG	GG	INTERGENIC		
SNP_45925B_134133	scaffold367	NW_004515862.1	134133	AA	CC	CC	INTERGENIC		
SNP_45926B_149303	scaffold367	NW_004515862.1	149303	AA	TT	TT	URR	101509267	F-box protein CPR30-like
SNP_45927B_149394	scaffold367	NW_004515862.1	149394	CC	GG	GG	URR	101509267	F-box protein CPR30-like
SNP_45928B_149401	scaffold367	NW_004515862.1	149401	AA	GG	GG	URR	101509267	F-box protein CPR30-like
SNP_45929B_149526	scaffold367	NW_004515862.1	149526	TT	AA	AA	URR	101509267	F-box protein CPR30-like
SNP_45930B_157833	scaffold367	NW_004515862.1	157833	AA	CC	CC	INTERGENIC		
SNP_45931B_157839	scaffold367	NW_004515862.1	157839	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45932B_11430	scaffold369	NW_004515863.1	11430	CC	AA	AA	URR	101509913	probable pectate lyase 4
SNP_45933B_29001	scaffold369	NW_004515863.1	29001	AA	TT	TT	INTERGENIC		
SNP_45935B_23499	scaffold370	NW_004515864.1	23499	GG	AA	AA	INTERGENIC		
SNP_45936B_23510	scaffold370	NW_004515864.1	23510	CC	AA	AA	INTERGENIC		
SNP_45937B_27063	scaffold370	NW_004515864.1	27063	GG	CC	CC	INTERGENIC		
SNP_45938B_28971	scaffold370	NW_004515864.1	28971	CC	TT	TT	INTERGENIC		
SNP_45939B_28972	scaffold370	NW_004515864.1	28972	AA	GG	GG	INTERGENIC		
SNP_45940B_28995	scaffold370	NW_004515864.1	28995	TT	CC	CC	INTERGENIC		
SNP_45941B_29007	scaffold370	NW_004515864.1	29007	TT	AA	AA	INTERGENIC		
SNP_45942B_29075	scaffold370	NW_004515864.1	29075	GG	AA	AA	INTERGENIC		
SNP_45943B_29081	scaffold370	NW_004515864.1	29081	TT	CC	CC	INTERGENIC		
SNP_45944B_29315	scaffold370	NW_004515864.1	29315	GG	CC	CC	INTERGENIC		
SNP_45945B_29593	scaffold370	NW_004515864.1	29593	AA	GG	GG	INTERGENIC		
SNP_45946B_29599	scaffold370	NW_004515864.1	29599	AA	GG	GG	INTERGENIC		
SNP_45947B_29606	scaffold370	NW_004515864.1	29606	CC	TT	TT	INTERGENIC		
SNP_45948B_29753	scaffold370	NW_004515864.1	29753	AA	GG	GG	INTERGENIC		
SNP_45949B_29815	scaffold370	NW_004515864.1	29815	CC	AA	AA	INTERGENIC		
SNP_45950B_31759	scaffold370	NW_004515864.1	31759	TT	CC	CC	INTERGENIC		
SNP_45951B_31845	scaffold370	NW_004515864.1	31845	AA	GG	GG	INTERGENIC		
SNP_45952B_32002	scaffold370	NW_004515864.1	32002	TT	CC	CC	INTERGENIC		
SNP_45953B_32087	scaffold370	NW_004515864.1	32087	AA	TT	TT	INTERGENIC		
SNP_45954B_32120	scaffold370	NW_004515864.1	32120	AA	GG	GG	INTERGENIC		
SNP_45955B_32347	scaffold370	NW_004515864.1	32347	AA	GG	GG	INTERGENIC		
SNP_45956B_32362	scaffold370	NW_004515864.1	32362	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45957B_32385	scaffold370	NW_004515864.1	32385	CC	TT	TT	INTERGENIC		
SNP_45958B_32400	scaffold370	NW_004515864.1	32400	TT	CC	CC	INTERGENIC		
SNP_45959B_32405	scaffold370	NW_004515864.1	32405	CC	GG	GG	INTERGENIC		
SNP_45960B_32419	scaffold370	NW_004515864.1	32419	AA	GG	GG	INTERGENIC		
SNP_45961B_32429	scaffold370	NW_004515864.1	32429	CC	AA	AA	INTERGENIC		
SNP_45962B_32430	scaffold370	NW_004515864.1	32430	CC	AA	AA	INTERGENIC		
SNP_45963B_32613	scaffold370	NW_004515864.1	32613	TT	GG	GG	INTERGENIC		
SNP_45964B_32646	scaffold370	NW_004515864.1	32646	GG	AA	AA	INTERGENIC		
SNP_45965B_32648	scaffold370	NW_004515864.1	32648	CC	TT	TT	INTERGENIC		
SNP_45966B_32757	scaffold370	NW_004515864.1	32757	AA	GG	GG	INTERGENIC		
SNP_45967B_34053	scaffold370	NW_004515864.1	34053	CC	TT	TT	INTERGENIC		
SNP_45968B_34087	scaffold370	NW_004515864.1	34087	GG	TT	TT	INTERGENIC		
SNP_45969B_34192	scaffold370	NW_004515864.1	34192	GG	AA	AA	INTERGENIC		
SNP_45970B_34327	scaffold370	NW_004515864.1	34327	GG	CC	CC	INTERGENIC		
SNP_45971B_34353	scaffold370	NW_004515864.1	34353	TT	AA	AA	INTERGENIC		
SNP_45972B_34388	scaffold370	NW_004515864.1	34388	AA	TT	TT	INTERGENIC		
SNP_45973B_34442	scaffold370	NW_004515864.1	34442	CC	TT	TT	INTERGENIC		
SNP_45974B_34504	scaffold370	NW_004515864.1	34504	CC	TT	TT	INTERGENIC		
SNP_45975B_34610	scaffold370	NW_004515864.1	34610	TT	CC	CC	INTERGENIC		
SNP_45976B_34678	scaffold370	NW_004515864.1	34678	CC	TT	TT	INTERGENIC		
SNP_45977B_34746	scaffold370	NW_004515864.1	34746	TT	GG	GG	INTERGENIC		
SNP_45978B_34754	scaffold370	NW_004515864.1	34754	CC	GG	GG	INTERGENIC		
SNP_45979B_34773	scaffold370	NW_004515864.1	34773	TT	CC	CC	INTERGENIC		
SNP_45980B_34979	scaffold370	NW_004515864.1	34979	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_45981B_35081	scaffold370	NW_004515864.1	35081	GG	AA	AA	INTERGENIC		
SNP_45982B_35277	scaffold370	NW_004515864.1	35277	TT	GG	GG	INTERGENIC		
SNP_45983B_35288	scaffold370	NW_004515864.1	35288	TT	GG	GG	INTERGENIC		
SNP_45984B_35363	scaffold370	NW_004515864.1	35363	CC	TT	TT	INTERGENIC		
SNP_45985B_35420	scaffold370	NW_004515864.1	35420	CC	TT	TT	INTERGENIC		
SNP_45986B_35461	scaffold370	NW_004515864.1	35461	AA	CC	CC	INTERGENIC		
SNP_45987B_35479	scaffold370	NW_004515864.1	35479	AA	GG	GG	INTERGENIC		
SNP_45988B_35741	scaffold370	NW_004515864.1	35741	GG	TT	TT	INTERGENIC		
SNP_45989B_35752	scaffold370	NW_004515864.1	35752	AA	CC	CC	INTERGENIC		
SNP_45990B_35824	scaffold370	NW_004515864.1	35824	GG	AA	AA	INTERGENIC		
SNP_45991B_35865	scaffold370	NW_004515864.1	35865	CC	TT	TT	INTERGENIC		
SNP_45992B_35868	scaffold370	NW_004515864.1	35868	TT	CC	CC	INTERGENIC		
SNP_45993B_36003	scaffold370	NW_004515864.1	36003	TT	CC	CC	INTERGENIC		
SNP_45994B_36056	scaffold370	NW_004515864.1	36056	GG	TT	TT	INTERGENIC		
SNP_45996B_36757	scaffold370	NW_004515864.1	36757	AA	GG	GG	INTERGENIC		
SNP_45997B_36843	scaffold370	NW_004515864.1	36843	CC	AA	AA	INTERGENIC		
SNP_45998B_36881	scaffold370	NW_004515864.1	36881	AA	GG	GG	INTERGENIC		
SNP_45999B_36922	scaffold370	NW_004515864.1	36922	CC	TT	TT	INTERGENIC		
SNP_46000B_37008	scaffold370	NW_004515864.1	37008	AA	CC	CC	INTERGENIC		
SNP_46001B_37065	scaffold370	NW_004515864.1	37065	TT	CC	CC	INTERGENIC		
SNP_46002B_37073	scaffold370	NW_004515864.1	37073	AA	GG	GG	INTERGENIC		
SNP_46003B_37122	scaffold370	NW_004515864.1	37122	TT	CC	CC	INTERGENIC		
SNP_46004B_37273	scaffold370	NW_004515864.1	37273	GG	AA	AA	INTERGENIC		
SNP_46005B_37310	scaffold370	NW_004515864.1	37310	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46006B_37532	scaffold370	NW_004515864.1	37532	AA	GG	GG	INTERGENIC		
SNP_46007B_37565	scaffold370	NW_004515864.1	37565	TT	AA	AA	INTERGENIC		
SNP_46008B_37738	scaffold370	NW_004515864.1	37738	GG	AA	AA	INTERGENIC		
SNP_46009B_37882	scaffold370	NW_004515864.1	37882	AA	CC	CC	INTERGENIC		
SNP_46010B_37912	scaffold370	NW_004515864.1	37912	GG	AA	AA	INTERGENIC		
SNP_46011B_37928	scaffold370	NW_004515864.1	37928	TT	AA	AA	INTERGENIC		
SNP_46012B_37950	scaffold370	NW_004515864.1	37950	CC	TT	TT	INTERGENIC		
SNP_46013B_38006	scaffold370	NW_004515864.1	38006	AA	TT	TT	INTERGENIC		
SNP_46014B_38053	scaffold370	NW_004515864.1	38053	CC	TT	TT	INTERGENIC		
SNP_46015B_38054	scaffold370	NW_004515864.1	38054	TT	CC	CC	INTERGENIC		
SNP_46016B_38065	scaffold370	NW_004515864.1	38065	GG	TT	TT	INTERGENIC		
SNP_46017B_38069	scaffold370	NW_004515864.1	38069	CC	AA	AA	INTERGENIC		
SNP_46018B_38074	scaffold370	NW_004515864.1	38074	TT	GG	GG	INTERGENIC		
SNP_46019B_38099	scaffold370	NW_004515864.1	38099	GG	CC	CC	INTERGENIC		
SNP_46020B_38121	scaffold370	NW_004515864.1	38121	CC	TT	TT	INTERGENIC		
SNP_46021B_38157	scaffold370	NW_004515864.1	38157	TT	CC	CC	INTERGENIC		
SNP_46022B_38159	scaffold370	NW_004515864.1	38159	AA	TT	TT	INTERGENIC		
SNP_46023B_38180	scaffold370	NW_004515864.1	38180	TT	AA	AA	INTERGENIC		
SNP_46024B_38192	scaffold370	NW_004515864.1	38192	TT	CC	CC	INTERGENIC		
SNP_46025B_38261	scaffold370	NW_004515864.1	38261	GG	TT	TT	INTERGENIC		
SNP_46026B_38263	scaffold370	NW_004515864.1	38263	TT	CC	CC	INTERGENIC		
SNP_46027B_38349	scaffold370	NW_004515864.1	38349	TT	CC	CC	INTERGENIC		
SNP_46028B_38352	scaffold370	NW_004515864.1	38352	GG	AA	AA	INTERGENIC		
SNP_46029B_38430	scaffold370	NW_004515864.1	38430	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46030B_38477	scaffold370	NW_004515864.1	38477	TT	CC	CC	INTERGENIC		
SNP_46031B_38565	scaffold370	NW_004515864.1	38565	CC	AA	AA	INTERGENIC		
SNP_46032B_38573	scaffold370	NW_004515864.1	38573	AA	GG	GG	INTERGENIC		
SNP_46033B_38868	scaffold370	NW_004515864.1	38868	CC	TT	TT	INTERGENIC		
SNP_46034B_39992	scaffold370	NW_004515864.1	39992	GG	TT	TT	INTERGENIC		
SNP_46035B_40009	scaffold370	NW_004515864.1	40009	GG	CC	CC	INTERGENIC		
SNP_46036B_40024	scaffold370	NW_004515864.1	40024	TT	GG	GG	INTERGENIC		
SNP_46037B_40196	scaffold370	NW_004515864.1	40196	AA	GG	GG	INTERGENIC		
SNP_46038B_40215	scaffold370	NW_004515864.1	40215	TT	CC	CC	INTERGENIC		
SNP_46039B_40257	scaffold370	NW_004515864.1	40257	TT	CC	CC	INTERGENIC		
SNP_46040B_40351	scaffold370	NW_004515864.1	40351	AA	GG	GG	INTERGENIC		
SNP_46041B_40404	scaffold370	NW_004515864.1	40404	TT	CC	CC	INTERGENIC		
SNP_46042B_40440	scaffold370	NW_004515864.1	40440	CC	GG	GG	INTERGENIC		
SNP_46043B_40442	scaffold370	NW_004515864.1	40442	CC	TT	TT	INTERGENIC		
SNP_46044B_40445	scaffold370	NW_004515864.1	40445	TT	CC	CC	INTERGENIC		
SNP_46045B_40458	scaffold370	NW_004515864.1	40458	TT	AA	AA	INTERGENIC		
SNP_46046B_43528	scaffold370	NW_004515864.1	43528	TT	GG	GG	INTERGENIC		
SNP_46047B_43547	scaffold370	NW_004515864.1	43547	AA	GG	GG	INTERGENIC		
SNP_46048B_43609	scaffold370	NW_004515864.1	43609	GG	AA	AA	INTERGENIC		
SNP_46049B_43631	scaffold370	NW_004515864.1	43631	TT	CC	CC	INTERGENIC		
SNP_46050B_43644	scaffold370	NW_004515864.1	43644	TT	CC	CC	INTERGENIC		
SNP_46051B_45128	scaffold370	NW_004515864.1	45128	GG	TT	TT	INTERGENIC		
SNP_46052B_45364	scaffold370	NW_004515864.1	45364	AA	TT	TT	INTERGENIC		
SNP_46053B_45467	scaffold370	NW_004515864.1	45467	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46054B_45477	scaffold370	NW_004515864.1	45477	CC	AA	AA	INTERGENIC		
SNP_46055B_45481	scaffold370	NW_004515864.1	45481	GG	AA	AA	INTERGENIC		
SNP_46056B_45567	scaffold370	NW_004515864.1	45567	CC	AA	AA	INTERGENIC		
SNP_46057B_45593	scaffold370	NW_004515864.1	45593	TT	CC	CC	INTERGENIC		
SNP_46058B_45606	scaffold370	NW_004515864.1	45606	GG	AA	AA	INTERGENIC		
SNP_46059B_45607	scaffold370	NW_004515864.1	45607	GG	TT	TT	INTERGENIC		
SNP_46060B_45648	scaffold370	NW_004515864.1	45648	CC	TT	TT	INTERGENIC		
SNP_46061B_45695	scaffold370	NW_004515864.1	45695	AA	GG	GG	INTERGENIC		
SNP_46062B_45699	scaffold370	NW_004515864.1	45699	GG	TT	TT	INTERGENIC		
SNP_46063B_45719	scaffold370	NW_004515864.1	45719	AA	GG	GG	INTERGENIC		
SNP_46064B_45731	scaffold370	NW_004515864.1	45731	AA	CC	CC	INTERGENIC		
SNP_46065B_45739	scaffold370	NW_004515864.1	45739	GG	AA	AA	INTERGENIC		
SNP_46066B_45785	scaffold370	NW_004515864.1	45785	CC	TT	TT	INTERGENIC		
SNP_46067B_45844	scaffold370	NW_004515864.1	45844	GG	CC	CC	INTERGENIC		
SNP_46068B_46036	scaffold370	NW_004515864.1	46036	CC	TT	TT	INTERGENIC		
SNP_46069B_46171	scaffold370	NW_004515864.1	46171	CC	GG	GG	INTERGENIC		
SNP_46070B_46219	scaffold370	NW_004515864.1	46219	CC	AA	AA	INTERGENIC		
SNP_46071B_48935	scaffold370	NW_004515864.1	48935	AA	TT	TT	INTERGENIC		
SNP_46072B_50636	scaffold370	NW_004515864.1	50636	TT	CC	CC	INTERGENIC		
SNP_46073B_50796	scaffold370	NW_004515864.1	50796	GG	CC	CC	INTERGENIC		
SNP_46074B_56308	scaffold370	NW_004515864.1	56308	AA	TT	TT	INTERGENIC		
SNP_46075B_56344	scaffold370	NW_004515864.1	56344	TT	GG	GG	INTERGENIC		
SNP_46076B_56614	scaffold370	NW_004515864.1	56614	GG	TT	TT	INTERGENIC		
SNP_46077B_56737	scaffold370	NW_004515864.1	56737	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46078B_56738	scaffold370	NW_004515864.1	56738	CC	TT	TT	INTERGENIC		
SNP_46079B_56744	scaffold370	NW_004515864.1	56744	AA	GG	GG	INTERGENIC		
SNP_46080B_56814	scaffold370	NW_004515864.1	56814	TT	AA	AA	INTERGENIC		
SNP_46081B_56840	scaffold370	NW_004515864.1	56840	CC	GG	GG	INTERGENIC		
SNP_46082B_56981	scaffold370	NW_004515864.1	56981	AA	TT	TT	INTERGENIC		
SNP_46083B_56984	scaffold370	NW_004515864.1	56984	AA	GG	GG	INTERGENIC		
SNP_46084B_57068	scaffold370	NW_004515864.1	57068	TT	CC	CC	INTERGENIC		
SNP_46085B_57103	scaffold370	NW_004515864.1	57103	TT	CC	CC	INTERGENIC		
SNP_46086B_57109	scaffold370	NW_004515864.1	57109	AA	TT	TT	INTERGENIC		
SNP_46087B_57128	scaffold370	NW_004515864.1	57128	TT	CC	CC	INTERGENIC		
SNP_46088B_57185	scaffold370	NW_004515864.1	57185	TT	CC	CC	INTERGENIC		
SNP_46089B_57623	scaffold370	NW_004515864.1	57623	CC	AA	AA	INTERGENIC		
SNP_46090B_57911	scaffold370	NW_004515864.1	57911	GG	CC	CC	INTERGENIC		
SNP_46091B_58108	scaffold370	NW_004515864.1	58108	GG	AA	AA	INTERGENIC		
SNP_46092B_58128	scaffold370	NW_004515864.1	58128	AA	CC	CC	INTERGENIC		
SNP_46094B_58205	scaffold370	NW_004515864.1	58205	CC	TT	TT	INTERGENIC		
SNP_46095B_58235	scaffold370	NW_004515864.1	58235	CC	TT	TT	INTERGENIC		
SNP_46096B_58275	scaffold370	NW_004515864.1	58275	CC	TT	TT	INTERGENIC		
SNP_46097B_58286	scaffold370	NW_004515864.1	58286	CC	TT	TT	INTERGENIC		
SNP_46098B_58330	scaffold370	NW_004515864.1	58330	AA	CC	CC	INTERGENIC		
SNP_46099B_58364	scaffold370	NW_004515864.1	58364	CC	AA	AA	INTERGENIC		
SNP_46100B_58666	scaffold370	NW_004515864.1	58666	TT	AA	AA	INTERGENIC		
SNP_46101B_58671	scaffold370	NW_004515864.1	58671	CC	GG	GG	INTERGENIC		
SNP_46102B_58865	scaffold370	NW_004515864.1	58865	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46103B_58897	scaffold370	NW_004515864.1	58897	TT	CC	CC	INTERGENIC		
SNP_46104B_58956	scaffold370	NW_004515864.1	58956	CC	GG	GG	INTERGENIC		
SNP_46105B_58971	scaffold370	NW_004515864.1	58971	AA	GG	GG	INTERGENIC		
SNP_46106B_59015	scaffold370	NW_004515864.1	59015	TT	CC	CC	INTERGENIC		
SNP_46107B_59099	scaffold370	NW_004515864.1	59099	TT	AA	AA	INTERGENIC		
SNP_46108B_59123	scaffold370	NW_004515864.1	59123	GG	CC	CC	INTERGENIC		
SNP_46109B_59166	scaffold370	NW_004515864.1	59166	CC	TT	TT	INTERGENIC		
SNP_46110B_59179	scaffold370	NW_004515864.1	59179	CC	TT	TT	INTERGENIC		
SNP_46111B_59223	scaffold370	NW_004515864.1	59223	TT	AA	AA	INTERGENIC		
SNP_46112B_59426	scaffold370	NW_004515864.1	59426	AA	GG	GG	INTERGENIC		
SNP_46113B_59440	scaffold370	NW_004515864.1	59440	AA	GG	GG	INTERGENIC		
SNP_46114B_59473	scaffold370	NW_004515864.1	59473	GG	AA	AA	INTERGENIC		
SNP_46115B_59683	scaffold370	NW_004515864.1	59683	GG	AA	AA	INTERGENIC		
SNP_46116B_59704	scaffold370	NW_004515864.1	59704	TT	AA	AA	INTERGENIC		
SNP_46117B_59744	scaffold370	NW_004515864.1	59744	TT	AA	AA	INTERGENIC		
SNP_46118B_60089	scaffold370	NW_004515864.1	60089	AA	GG	GG	INTERGENIC		
SNP_46119B_62480	scaffold370	NW_004515864.1	62480	AA	CC	CC	INTERGENIC		
SNP_46120B_62545	scaffold370	NW_004515864.1	62545	TT	CC	CC	INTERGENIC		
SNP_46121B_62870	scaffold370	NW_004515864.1	62870	GG	AA	AA	INTERGENIC		
SNP_46122B_62945	scaffold370	NW_004515864.1	62945	CC	TT	TT	INTERGENIC		
SNP_46123B_62997	scaffold370	NW_004515864.1	62997	GG	AA	AA	INTERGENIC		
SNP_46124B_62999	scaffold370	NW_004515864.1	62999	AA	TT	TT	INTERGENIC		
SNP_46125B_63117	scaffold370	NW_004515864.1	63117	GG	TT	TT	INTERGENIC		
SNP_46126B_63254	scaffold370	NW_004515864.1	63254	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46127B_63280	scaffold370	NW_004515864.1	63280	TT	CC	CC	INTERGENIC		
SNP_46128B_63309	scaffold370	NW_004515864.1	63309	AA	GG	GG	INTERGENIC		
SNP_46129B_63382	scaffold370	NW_004515864.1	63382	CC	GG	GG	INTERGENIC		
SNP_46130B_63605	scaffold370	NW_004515864.1	63605	GG	TT	TT	INTERGENIC		
SNP_46131B_63680	scaffold370	NW_004515864.1	63680	GG	AA	AA	INTERGENIC		
SNP_46132B_63711	scaffold370	NW_004515864.1	63711	CC	TT	TT	INTERGENIC		
SNP_46133B_63783	scaffold370	NW_004515864.1	63783	CC	TT	TT	INTERGENIC		
SNP_46134B_63810	scaffold370	NW_004515864.1	63810	CC	TT	TT	INTERGENIC		
SNP_46135B_63812	scaffold370	NW_004515864.1	63812	AA	TT	TT	INTERGENIC		
SNP_46136B_63828	scaffold370	NW_004515864.1	63828	AA	TT	TT	INTERGENIC		
SNP_46137B_63867	scaffold370	NW_004515864.1	63867	AA	GG	GG	INTERGENIC		
SNP_46138B_63962	scaffold370	NW_004515864.1	63962	AA	TT	TT	INTERGENIC		
SNP_46139B_63990	scaffold370	NW_004515864.1	63990	GG	AA	AA	INTERGENIC		
SNP_46140B_64010	scaffold370	NW_004515864.1	64010	TT	GG	GG	INTERGENIC		
SNP_46141B_64026	scaffold370	NW_004515864.1	64026	TT	GG	GG	INTERGENIC		
SNP_46142B_64055	scaffold370	NW_004515864.1	64055	CC	TT	TT	INTERGENIC		
SNP_46143B_64099	scaffold370	NW_004515864.1	64099	TT	CC	CC	INTERGENIC		
SNP_46144B_64103	scaffold370	NW_004515864.1	64103	CC	GG	GG	INTERGENIC		
SNP_46145B_64173	scaffold370	NW_004515864.1	64173	AA	GG	GG	INTERGENIC		
SNP_46146B_64448	scaffold370	NW_004515864.1	64448	TT	CC	CC	INTERGENIC		
SNP_46147B_64473	scaffold370	NW_004515864.1	64473	GG	AA	AA	INTERGENIC		
SNP_46148B_64521	scaffold370	NW_004515864.1	64521	TT	CC	CC	INTERGENIC		
SNP_46149B_64536	scaffold370	NW_004515864.1	64536	TT	CC	CC	INTERGENIC		
SNP_46150B_64920	scaffold370	NW_004515864.1	64920	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46151B_64933	scaffold370	NW_004515864.1	64933	TT	GG	GG	INTERGENIC		
SNP_46152B_64945	scaffold370	NW_004515864.1	64945	AA	TT	TT	INTERGENIC		
SNP_46153B_65046	scaffold370	NW_004515864.1	65046	GG	TT	TT	INTERGENIC		
SNP_46154B_65769	scaffold370	NW_004515864.1	65769	GG	CC	CC	INTERGENIC		
SNP_46155B_66081	scaffold370	NW_004515864.1	66081	AA	GG	GG	INTERGENIC		
SNP_46156B_66087	scaffold370	NW_004515864.1	66087	GG	AA	AA	INTERGENIC		
SNP_46157B_66332	scaffold370	NW_004515864.1	66332	CC	GG	GG	INTERGENIC		
SNP_46158B_66403	scaffold370	NW_004515864.1	66403	GG	AA	AA	INTERGENIC		
SNP_46159B_66432	scaffold370	NW_004515864.1	66432	TT	GG	GG	INTERGENIC		
SNP_46160B_66510	scaffold370	NW_004515864.1	66510	AA	GG	GG	INTERGENIC		
SNP_46161B_66534	scaffold370	NW_004515864.1	66534	GG	CC	CC	INTERGENIC		
SNP_46162B_66589	scaffold370	NW_004515864.1	66589	CC	GG	GG	INTERGENIC		
SNP_46163B_66594	scaffold370	NW_004515864.1	66594	GG	TT	TT	INTERGENIC		
SNP_46164B_66665	scaffold370	NW_004515864.1	66665	TT	CC	CC	INTERGENIC		
SNP_46165B_66715	scaffold370	NW_004515864.1	66715	AA	TT	TT	INTERGENIC		
SNP_46166B_66782	scaffold370	NW_004515864.1	66782	TT	GG	GG	INTERGENIC		
SNP_46167B_66812	scaffold370	NW_004515864.1	66812	TT	AA	AA	INTERGENIC		
SNP_46168B_66846	scaffold370	NW_004515864.1	66846	GG	TT	TT	INTERGENIC		
SNP_46169B_66887	scaffold370	NW_004515864.1	66887	GG	AA	AA	INTERGENIC		
SNP_46170B_66893	scaffold370	NW_004515864.1	66893	GG	AA	AA	INTERGENIC		
SNP_46171B_66902	scaffold370	NW_004515864.1	66902	AA	CC	CC	INTERGENIC		
SNP_46172B_66932	scaffold370	NW_004515864.1	66932	AA	GG	GG	INTERGENIC		
SNP_46173B_66981	scaffold370	NW_004515864.1	66981	AA	TT	TT	INTERGENIC		
SNP_46174B_66988	scaffold370	NW_004515864.1	66988	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46175B_67010	scaffold370	NW_004515864.1	67010	GG	AA	AA	INTERGENIC		
SNP_46176B_67029	scaffold370	NW_004515864.1	67029	CC	AA	AA	INTERGENIC		
SNP_46177B_67037	scaffold370	NW_004515864.1	67037	TT	GG	GG	INTERGENIC		
SNP_46178B_67084	scaffold370	NW_004515864.1	67084	GG	AA	AA	INTERGENIC		
SNP_46179B_67242	scaffold370	NW_004515864.1	67242	AA	GG	GG	INTERGENIC		
SNP_46180B_67338	scaffold370	NW_004515864.1	67338	TT	AA	AA	INTERGENIC		
SNP_46181B_71257	scaffold370	NW_004515864.1	71257	AA	TT	TT	INTERGENIC		
SNP_46182B_74350	scaffold370	NW_004515864.1	74350	AA	TT	TT	INTERGENIC		
SNP_46183B_74405	scaffold370	NW_004515864.1	74405	GG	TT	TT	INTERGENIC		
SNP_46184B_74552	scaffold370	NW_004515864.1	74552	AA	TT	TT	INTERGENIC		
SNP_46185B_74596	scaffold370	NW_004515864.1	74596	AA	GG	GG	INTERGENIC		
SNP_46186B_74665	scaffold370	NW_004515864.1	74665	TT	CC	CC	INTERGENIC		
SNP_46187B_74811	scaffold370	NW_004515864.1	74811	AA	CC	CC	INTERGENIC		
SNP_46188B_74885	scaffold370	NW_004515864.1	74885	AA	GG	GG	INTERGENIC		
SNP_46189B_74898	scaffold370	NW_004515864.1	74898	CC	TT	TT	INTERGENIC		
SNP_46190B_74918	scaffold370	NW_004515864.1	74918	GG	TT	TT	INTERGENIC		
SNP_46191B_74982	scaffold370	NW_004515864.1	74982	CC	TT	TT	INTERGENIC		
SNP_46192B_74995	scaffold370	NW_004515864.1	74995	TT	AA	AA	INTERGENIC		
SNP_46193B_75018	scaffold370	NW_004515864.1	75018	CC	TT	TT	INTERGENIC		
SNP_46194B_75019	scaffold370	NW_004515864.1	75019	GG	TT	TT	INTERGENIC		
SNP_46195B_75060	scaffold370	NW_004515864.1	75060	AA	TT	TT	INTERGENIC		
SNP_46197B_75181	scaffold370	NW_004515864.1	75181	TT	CC	CC	INTERGENIC		
SNP_46198B_75183	scaffold370	NW_004515864.1	75183	AA	GG	GG	INTERGENIC		
SNP_46199B_75222	scaffold370	NW_004515864.1	75222	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46200B_75268	scaffold370	NW_004515864.1	75268	GG	CC	CC	INTERGENIC		
SNP_46201B_75304	scaffold370	NW_004515864.1	75304	GG	AA	AA	INTERGENIC		
SNP_46202B_75396	scaffold370	NW_004515864.1	75396	GG	AA	AA	INTERGENIC		
SNP_46203B_75399	scaffold370	NW_004515864.1	75399	CC	GG	GG	INTERGENIC		
SNP_46204B_75412	scaffold370	NW_004515864.1	75412	GG	AA	AA	INTERGENIC		
SNP_46205B_75435	scaffold370	NW_004515864.1	75435	GG	CC	CC	INTERGENIC		
SNP_46206B_75444	scaffold370	NW_004515864.1	75444	CC	AA	AA	INTERGENIC		
SNP_46207B_75453	scaffold370	NW_004515864.1	75453	TT	GG	GG	INTERGENIC		
SNP_46208B_75605	scaffold370	NW_004515864.1	75605	GG	CC	CC	INTERGENIC		
SNP_46209B_75672	scaffold370	NW_004515864.1	75672	AA	GG	GG	INTERGENIC		
SNP_46210B_76732	scaffold370	NW_004515864.1	76732	TT	AA	AA	INTERGENIC		
SNP_46211B_76894	scaffold370	NW_004515864.1	76894	GG	AA	AA	INTERGENIC		
SNP_46212B_77144	scaffold370	NW_004515864.1	77144	TT	AA	AA	INTERGENIC		
SNP_46213B_77161	scaffold370	NW_004515864.1	77161	AA	GG	GG	INTERGENIC		
SNP_46214B_77181	scaffold370	NW_004515864.1	77181	TT	AA	AA	INTERGENIC		
SNP_46215B_77183	scaffold370	NW_004515864.1	77183	CC	AA	AA	INTERGENIC		
SNP_46216B_77267	scaffold370	NW_004515864.1	77267	AA	CC	CC	INTERGENIC		
SNP_46217B_77327	scaffold370	NW_004515864.1	77327	AA	TT	TT	INTERGENIC		
SNP_46218B_77345	scaffold370	NW_004515864.1	77345	TT	CC	CC	INTERGENIC		
SNP_46219B_77368	scaffold370	NW_004515864.1	77368	AA	TT	TT	INTERGENIC		
SNP_46220B_77832	scaffold370	NW_004515864.1	77832	AA	GG	GG	INTERGENIC		
SNP_46221B_77836	scaffold370	NW_004515864.1	77836	CC	TT	TT	INTERGENIC		
SNP_46222B_77952	scaffold370	NW_004515864.1	77952	CC	TT	TT	INTERGENIC		
SNP_46223B_78254	scaffold370	NW_004515864.1	78254	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46224B_78259	scaffold370	NW_004515864.1	78259	AA	TT	TT	INTERGENIC		
SNP_46225B_78383	scaffold370	NW_004515864.1	78383	TT	CC	CC	INTERGENIC		
SNP_46226B_78419	scaffold370	NW_004515864.1	78419	CC	TT	TT	INTERGENIC		
SNP_46227B_78421	scaffold370	NW_004515864.1	78421	CC	AA	AA	INTERGENIC		
SNP_46228B_78585	scaffold370	NW_004515864.1	78585	AA	GG	GG	INTERGENIC		
SNP_46229B_78593	scaffold370	NW_004515864.1	78593	AA	GG	GG	INTERGENIC		
SNP_46230B_79782	scaffold370	NW_004515864.1	79782	GG	AA	AA	INTERGENIC		
SNP_46231B_79891	scaffold370	NW_004515864.1	79891	TT	CC	CC	INTERGENIC		
SNP_46232B_79928	scaffold370	NW_004515864.1	79928	TT	CC	CC	INTERGENIC		
SNP_46233B_80014	scaffold370	NW_004515864.1	80014	CC	TT	TT	INTERGENIC		
SNP_46234B_80020	scaffold370	NW_004515864.1	80020	TT	AA	AA	INTERGENIC		
SNP_46235B_80490	scaffold370	NW_004515864.1	80490	GG	CC	CC	INTERGENIC		
SNP_46236B_80590	scaffold370	NW_004515864.1	80590	AA	GG	GG	INTERGENIC		
SNP_46237B_80955	scaffold370	NW_004515864.1	80955	GG	CC	CC	INTERGENIC		
SNP_46238B_80996	scaffold370	NW_004515864.1	80996	CC	TT	TT	INTERGENIC		
SNP_46239B_81036	scaffold370	NW_004515864.1	81036	CC	GG	GG	INTERGENIC		
SNP_46240B_81311	scaffold370	NW_004515864.1	81311	TT	CC	CC	INTERGENIC		
SNP_46241B_81488	scaffold370	NW_004515864.1	81488	GG	AA	AA	INTERGENIC		
SNP_46242B_81500	scaffold370	NW_004515864.1	81500	GG	CC	CC	INTERGENIC		
SNP_46243B_81528	scaffold370	NW_004515864.1	81528	GG	AA	AA	INTERGENIC		
SNP_46244B_81581	scaffold370	NW_004515864.1	81581	CC	TT	TT	INTERGENIC		
SNP_46245B_81594	scaffold370	NW_004515864.1	81594	TT	AA	AA	INTERGENIC		
SNP_46246B_81601	scaffold370	NW_004515864.1	81601	CC	AA	AA	INTERGENIC		
SNP_46247B_81833	scaffold370	NW_004515864.1	81833	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46248B_81865	scaffold370	NW_004515864.1	81865	TT	CC	CC	INTERGENIC		
SNP_46249B_82072	scaffold370	NW_004515864.1	82072	GG	AA	AA	INTERGENIC		
SNP_46250B_82092	scaffold370	NW_004515864.1	82092	TT	CC	CC	INTERGENIC		
SNP_46251B_82461	scaffold370	NW_004515864.1	82461	TT	CC	CC	INTERGENIC		
SNP_46252B_82728	scaffold370	NW_004515864.1	82728	TT	CC	CC	INTERGENIC		
SNP_46253B_82730	scaffold370	NW_004515864.1	82730	CC	TT	TT	INTERGENIC		
SNP_46254B_83467	scaffold370	NW_004515864.1	83467	AA	TT	TT	INTERGENIC		
SNP_46255B_83509	scaffold370	NW_004515864.1	83509	AA	TT	TT	INTERGENIC		
SNP_46256B_83827	scaffold370	NW_004515864.1	83827	TT	CC	CC	INTERGENIC		
SNP_46257B_83848	scaffold370	NW_004515864.1	83848	TT	AA	AA	INTERGENIC		
SNP_46258B_85189	scaffold370	NW_004515864.1	85189	GG	AA	AA	INTERGENIC		
SNP_46259B_85455	scaffold370	NW_004515864.1	85455	TT	CC	CC	INTERGENIC		
SNP_46260B_86568	scaffold370	NW_004515864.1	86568	TT	AA	CC	INTERGENIC		
SNP_46261B_86976	scaffold370	NW_004515864.1	86976	TT	CC	CC	INTERGENIC		
SNP_46262B_87725	scaffold370	NW_004515864.1	87725	GG	AA	AA	INTERGENIC		
SNP_46263B_87802	scaffold370	NW_004515864.1	87802	GG	AA	AA	INTERGENIC		
SNP_46264B_87919	scaffold370	NW_004515864.1	87919	TT	AA	AA	INTERGENIC		
SNP_46265B_88028	scaffold370	NW_004515864.1	88028	AA	GG	GG	INTERGENIC		
SNP_46266B_88448	scaffold370	NW_004515864.1	88448	CC	TT	TT	INTERGENIC		
SNP_46267B_88476	scaffold370	NW_004515864.1	88476	TT	CC	CC	INTERGENIC		
SNP_46268B_88590	scaffold370	NW_004515864.1	88590	AA	CC	CC	INTERGENIC		
SNP_46269B_88685	scaffold370	NW_004515864.1	88685	TT	CC	CC	INTERGENIC		
SNP_46270B_88754	scaffold370	NW_004515864.1	88754	TT	GG	GG	INTERGENIC		
SNP_46271B_89184	scaffold370	NW_004515864.1	89184	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46272B_89238	scaffold370	NW_004515864.1	89238	CC	GG	GG	INTERGENIC		
SNP_46273B_89291	scaffold370	NW_004515864.1	89291	TT	CC	CC	INTERGENIC		
SNP_46274B_89299	scaffold370	NW_004515864.1	89299	TT	CC	CC	INTERGENIC		
SNP_46275B_89338	scaffold370	NW_004515864.1	89338	TT	CC	CC	INTERGENIC		
SNP_46276B_89358	scaffold370	NW_004515864.1	89358	AA	GG	GG	INTERGENIC		
SNP_46277B_89413	scaffold370	NW_004515864.1	89413	CC	AA	AA	INTERGENIC		
SNP_46278B_89460	scaffold370	NW_004515864.1	89460	TT	CC	CC	INTERGENIC		
SNP_46279B_89500	scaffold370	NW_004515864.1	89500	AA	TT	TT	INTERGENIC		
SNP_46280B_89601	scaffold370	NW_004515864.1	89601	GG	AA	AA	INTERGENIC		
SNP_46281B_89703	scaffold370	NW_004515864.1	89703	AA	TT	TT	INTERGENIC		
SNP_46282B_89749	scaffold370	NW_004515864.1	89749	GG	AA	AA	INTERGENIC		
SNP_46283B_89808	scaffold370	NW_004515864.1	89808	GG	AA	AA	INTERGENIC		
SNP_46284B_89864	scaffold370	NW_004515864.1	89864	CC	TT	TT	INTERGENIC		
SNP_46285B_90044	scaffold370	NW_004515864.1	90044	TT	AA	AA	INTERGENIC		
SNP_46286B_90250	scaffold370	NW_004515864.1	90250	TT	GG	GG	INTERGENIC		
SNP_46287B_90296	scaffold370	NW_004515864.1	90296	GG	TT	TT	INTERGENIC		
SNP_46288B_90343	scaffold370	NW_004515864.1	90343	AA	GG	GG	INTERGENIC		
SNP_46289B_90386	scaffold370	NW_004515864.1	90386	TT	AA	AA	INTERGENIC		
SNP_46290B_90593	scaffold370	NW_004515864.1	90593	TT	CC	CC	INTERGENIC		
SNP_46291B_92651	scaffold370	NW_004515864.1	92651	AA	CC	CC	INTERGENIC		
SNP_46292B_92780	scaffold370	NW_004515864.1	92780	GG	TT	TT	INTERGENIC		
SNP_46293B_92818	scaffold370	NW_004515864.1	92818	CC	TT	TT	INTERGENIC		
SNP_46294B_92909	scaffold370	NW_004515864.1	92909	TT	CC	CC	INTERGENIC		
SNP_46295B_92931	scaffold370	NW_004515864.1	92931	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46296B_92988	scaffold370	NW_004515864.1	92988	CC	TT	TT	INTERGENIC		
SNP_46297B_93085	scaffold370	NW_004515864.1	93085	GG	AA	AA	INTERGENIC		
SNP_46298B_93113	scaffold370	NW_004515864.1	93113	TT	GG	GG	INTERGENIC		
SNP_46299B_93135	scaffold370	NW_004515864.1	93135	AA	CC	CC	INTERGENIC		
SNP_46300B_93760	scaffold370	NW_004515864.1	93760	CC	TT	TT	INTERGENIC		
SNP_46301B_93771	scaffold370	NW_004515864.1	93771	GG	AA	AA	INTERGENIC		
SNP_46302B_94081	scaffold370	NW_004515864.1	94081	GG	AA	AA	INTERGENIC		
SNP_46303B_94702	scaffold370	NW_004515864.1	94702	AA	TT	TT	INTERGENIC		
SNP_46304B_94806	scaffold370	NW_004515864.1	94806	TT	GG	GG	INTERGENIC		
SNP_46305B_95297	scaffold370	NW_004515864.1	95297	TT	CC	CC	INTERGENIC		
SNP_46306B_99930	scaffold370	NW_004515864.1	99930	GG	AA	AA	INTERGENIC		
SNP_46307B_99945	scaffold370	NW_004515864.1	99945	TT	AA	AA	INTERGENIC		
SNP_46308B_99968	scaffold370	NW_004515864.1	99968	AA	CC	CC	INTERGENIC		
SNP_46309B_100022	scaffold370	NW_004515864.1	100022	TT	GG	GG	INTERGENIC		
SNP_46310B_100184	scaffold370	NW_004515864.1	100184	AA	TT	TT	INTERGENIC		
SNP_46311B_100207	scaffold370	NW_004515864.1	100207	TT	CC	CC	INTERGENIC		
SNP_46312B_100388	scaffold370	NW_004515864.1	100388	CC	AA	AA	INTERGENIC		
SNP_46313B_100389	scaffold370	NW_004515864.1	100389	AA	TT	TT	INTERGENIC		
SNP_46314B_100396	scaffold370	NW_004515864.1	100396	GG	AA	AA	INTERGENIC		
SNP_46315B_100403	scaffold370	NW_004515864.1	100403	GG	AA	AA	INTERGENIC		
SNP_46316B_100404	scaffold370	NW_004515864.1	100404	TT	AA	AA	INTERGENIC		
SNP_46317B_100510	scaffold370	NW_004515864.1	100510	GG	AA	AA	INTERGENIC		
SNP_46318B_100606	scaffold370	NW_004515864.1	100606	AA	GG	GG	INTERGENIC		
SNP_46319B_100862	scaffold370	NW_004515864.1	100862	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46320B_100882	scaffold370	NW_004515864.1	100882	TT	CC	CC	INTERGENIC		
SNP_46321B_100883	scaffold370	NW_004515864.1	100883	TT	AA	AA	INTERGENIC		
SNP_46322B_100898	scaffold370	NW_004515864.1	100898	GG	AA	AA	INTERGENIC		
SNP_46323B_101009	scaffold370	NW_004515864.1	101009	AA	GG	GG	INTERGENIC		
SNP_46324B_101021	scaffold370	NW_004515864.1	101021	CC	AA	AA	INTERGENIC		
SNP_46325B_101031	scaffold370	NW_004515864.1	101031	TT	CC	CC	INTERGENIC		
SNP_46326B_101101	scaffold370	NW_004515864.1	101101	AA	GG	GG	INTERGENIC		
SNP_46327B_101133	scaffold370	NW_004515864.1	101133	CC	AA	AA	INTERGENIC		
SNP_46328B_102378	scaffold370	NW_004515864.1	102378	TT	CC	CC	INTERGENIC		
SNP_46329B_102515	scaffold370	NW_004515864.1	102515	GG	AA	AA	INTERGENIC		
SNP_46330B_102561	scaffold370	NW_004515864.1	102561	AA	GG	GG	INTERGENIC		
SNP_46331B_102571	scaffold370	NW_004515864.1	102571	TT	GG	GG	INTERGENIC		
SNP_46332B_102572	scaffold370	NW_004515864.1	102572	GG	AA	AA	INTERGENIC		
SNP_46333B_102579	scaffold370	NW_004515864.1	102579	AA	CC	CC	INTERGENIC		
SNP_46334B_102614	scaffold370	NW_004515864.1	102614	TT	AA	AA	INTERGENIC		
SNP_46335B_102637	scaffold370	NW_004515864.1	102637	CC	TT	TT	INTERGENIC		
SNP_46336B_102942	scaffold370	NW_004515864.1	102942	AA	GG	GG	INTERGENIC		
SNP_46337B_102945	scaffold370	NW_004515864.1	102945	AA	GG	GG	INTERGENIC		
SNP_46338B_103099	scaffold370	NW_004515864.1	103099	AA	GG	GG	INTERGENIC		
SNP_46339B_104598	scaffold370	NW_004515864.1	104598	CC	AA	AA	INTERGENIC		
SNP_46340B_104618	scaffold370	NW_004515864.1	104618	CC	TT	TT	INTERGENIC		
SNP_46341B_104635	scaffold370	NW_004515864.1	104635	GG	AA	AA	INTERGENIC		
SNP_46342B_104636	scaffold370	NW_004515864.1	104636	GG	AA	AA	INTERGENIC		
SNP_46343B_104982	scaffold370	NW_004515864.1	104982	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46344B_106039	scaffold370	NW_004515864.1	106039	AA	TT	TT	INTERGENIC		
SNP_46345B_106089	scaffold370	NW_004515864.1	106089	CC	TT	TT	INTERGENIC		
SNP_46346B_106562	scaffold370	NW_004515864.1	106562	CC	GG	GG	INTERGENIC		
SNP_46347B_106630	scaffold370	NW_004515864.1	106630	AA	TT	TT	INTERGENIC		
SNP_46348B_106631	scaffold370	NW_004515864.1	106631	AA	CC	CC	INTERGENIC		
SNP_46349B_106907	scaffold370	NW_004515864.1	106907	TT	AA	AA	INTERGENIC		
SNP_46350B_106916	scaffold370	NW_004515864.1	106916	AA	TT	TT	INTERGENIC		
SNP_46351B_106918	scaffold370	NW_004515864.1	106918	TT	CC	CC	INTERGENIC		
SNP_46352B_106942	scaffold370	NW_004515864.1	106942	AA	CC	CC	INTERGENIC		
SNP_46353B_107126	scaffold370	NW_004515864.1	107126	CC	TT	TT	INTERGENIC		
SNP_46354B_107129	scaffold370	NW_004515864.1	107129	CC	GG	GG	INTERGENIC		
SNP_46355B_107213	scaffold370	NW_004515864.1	107213	CC	TT	TT	INTERGENIC		
SNP_46356B_107238	scaffold370	NW_004515864.1	107238	AA	GG	GG	INTERGENIC		
SNP_46357B_107409	scaffold370	NW_004515864.1	107409	AA	TT	TT	INTERGENIC		
SNP_46358B_107445	scaffold370	NW_004515864.1	107445	GG	TT	TT	INTERGENIC		
SNP_46359B_107456	scaffold370	NW_004515864.1	107456	AA	GG	GG	INTERGENIC		
SNP_46360B_107492	scaffold370	NW_004515864.1	107492	TT	AA	AA	INTERGENIC		
SNP_46361B_107856	scaffold370	NW_004515864.1	107856	CC	AA	AA	INTERGENIC		
SNP_46362B_107941	scaffold370	NW_004515864.1	107941	GG	AA	AA	INTERGENIC		
SNP_46363B_108013	scaffold370	NW_004515864.1	108013	TT	CC	CC	INTERGENIC		
SNP_46364B_108143	scaffold370	NW_004515864.1	108143	GG	TT	TT	INTERGENIC		
SNP_46365B_108166	scaffold370	NW_004515864.1	108166	TT	GG	GG	INTERGENIC		
SNP_46366B_108180	scaffold370	NW_004515864.1	108180	GG	AA	AA	INTERGENIC		
SNP_46367B_109478	scaffold370	NW_004515864.1	109478	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46368B_110511	scaffold370	NW_004515864.1	110511	GG	AA	AA	INTERGENIC		
SNP_46369B_110612	scaffold370	NW_004515864.1	110612	GG	AA	AA	INTERGENIC		
SNP_46370B_110656	scaffold370	NW_004515864.1	110656	TT	CC	CC	INTERGENIC		
SNP_46371B_114027	scaffold370	NW_004515864.1	114027	GG	AA	AA	INTERGENIC		
SNP_46372B_125478	scaffold370	NW_004515864.1	125478	AA	TT	TT	INTERGENIC		
SNP_46373B_125512	scaffold370	NW_004515864.1	125512	AA	GG	GG	INTERGENIC		
SNP_46374B_137864	scaffold370	NW_004515864.1	137864	GG	AA	AA	DRR	101512059	Unknown function
SNP_46375B_159384	scaffold370	NW_004515864.1	159384	CC	TT	TT	INTERGENIC		
SNP_46376B_159393	scaffold370	NW_004515864.1	159393	GG	CC	CC	INTERGENIC		
SNP_46377B_164318	scaffold370	NW_004515864.1	164318	TT	GG	GG	INTERGENIC		
SNP_46378B_164825	scaffold370	NW_004515864.1	164825	TT	CC	CC	INTERGENIC		
SNP_46379B_166523	scaffold370	NW_004515864.1	166523	CC	TT	TT	INTERGENIC		
SNP_46380B_181592	scaffold370	NW_004515864.1	181592	AA	GG	GG	INTERGENIC		
SNP_46381B_181644	scaffold370	NW_004515864.1	181644	CC	TT	TT	INTERGENIC		
SNP_46382B_181747	scaffold370	NW_004515864.1	181747	CC	AA	AA	INTERGENIC		
SNP_46383B_181792	scaffold370	NW_004515864.1	181792	AA	CC	CC	INTERGENIC		
SNP_46384B_181952	scaffold370	NW_004515864.1	181952	GG	AA	AA	INTERGENIC		
SNP_46385B_182671	scaffold370	NW_004515864.1	182671	GG	TT	TT	INTERGENIC		
SNP_46386B_837	scaffold373	NW_004515865.1	837	CC	TT	TT	INTERGENIC		
SNP_46387B_978	scaffold373	NW_004515865.1	978	TT	GG	GG	INTERGENIC		
SNP_46388B_1413	scaffold373	NW_004515865.1	1413	TT	CC	CC	INTERGENIC		
SNP_46389B_1428	scaffold373	NW_004515865.1	1428	AA	GG	GG	INTERGENIC		
SNP_46390B_25372	scaffold373	NW_004515865.1	25372	AA	GG	GG	INTERGENIC		
SNP_46391B_25373	scaffold373	NW_004515865.1	25373	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46392B_25461	scaffold373	NW_004515865.1	25461	TT	AA	AA	INTERGENIC		
SNP_46393B_25686	scaffold373	NW_004515865.1	25686	AA	TT	TT	INTERGENIC		
SNP_46394B_25690	scaffold373	NW_004515865.1	25690	AA	TT	TT	INTERGENIC		
SNP_46395B_25767	scaffold373	NW_004515865.1	25767	AA	CC	CC	INTERGENIC		
SNP_46397B_34741	scaffold373	NW_004515865.1	34741	GG	AA	AA	INTERGENIC		
SNP_46398B_50151	scaffold373	NW_004515865.1	50151	AA	TT	TT	INTERGENIC		
SNP_46399B_12991	scaffold374	NW_004515866.1	12991	AA	GG	GG	INTERGENIC		
SNP_46401B_23912	scaffold374	NW_004515866.1	23912	AA	GG	GG	DRR	101512388	putative pentatricopeptide repeat-containing protein At1g12700, mitochondrial
SNP_46402B_47730	scaffold374	NW_004515866.1	47730	TT	GG	GG	INTERGENIC		
SNP_46403B_47811	scaffold374	NW_004515866.1	47811	AA	GG	GG	INTERGENIC		
SNP_46404B_47826	scaffold374	NW_004515866.1	47826	AA	GG	GG	INTERGENIC		
SNP_46405B_47881	scaffold374	NW_004515866.1	47881	AA	GG	GG	INTERGENIC		
SNP_46406B_47921	scaffold374	NW_004515866.1	47921	AA	GG	GG	INTERGENIC		
SNP_46407B_47967	scaffold374	NW_004515866.1	47967	AA	GG	GG	INTERGENIC		
SNP_46408B_47971	scaffold374	NW_004515866.1	47971	TT	GG	GG	INTERGENIC		
SNP_46409B_48262	scaffold374	NW_004515866.1	48262	TT	GG	GG	INTERGENIC		
SNP_46410B_52881	scaffold374	NW_004515866.1	52881	AA	CC	CC	INTERGENIC		
SNP_46411B_52918	scaffold374	NW_004515866.1	52918	GG	AA	AA	INTERGENIC		
SNP_46412B_52935	scaffold374	NW_004515866.1	52935	GG	AA	AA	INTERGENIC		
SNP_46413B_52952	scaffold374	NW_004515866.1	52952	CC	TT	TT	INTERGENIC		
SNP_46415B_77182	scaffold374	NW_004515866.1	77182	GG	AA	AA	NON_SYNONYMOUS_CODING	101514875	uncharacterized LOC101514875
SNP_46416B_77591	scaffold374	NW_004515866.1	77591	CC	GG	GG	NON_SYNONYMOUS_CODING	101514875	uncharacterized LOC101514875
SNP_46417B_118558	scaffold374	NW_004515866.1	118558	TT	GG	GG	INTERGENIC		
SNP_46418B_119076	scaffold374	NW_004515866.1	119076	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46419B_119097	scaffold374	NW_004515866.1	119097	CC	TT	TT	INTERGENIC		
SNP_46420B_119822	scaffold374	NW_004515866.1	119822	GG	AA	AA	INTERGENIC		
SNP_46421B_120068	scaffold374	NW_004515866.1	120068	AA	GG	GG	INTERGENIC		
SNP_46422B_120070	scaffold374	NW_004515866.1	120070	TT	GG	GG	INTERGENIC		
SNP_46423B_120162	scaffold374	NW_004515866.1	120162	CC	TT	TT	INTERGENIC		
SNP_46424B_120220	scaffold374	NW_004515866.1	120220	CC	TT	TT	INTERGENIC		
SNP_46425B_120234	scaffold374	NW_004515866.1	120234	TT	CC	CC	INTERGENIC		
SNP_46426B_120273	scaffold374	NW_004515866.1	120273	CC	AA	AA	INTERGENIC		
SNP_46427B_121859	scaffold374	NW_004515866.1	121859	TT	AA	AA	INTERGENIC		
SNP_46428B_121892	scaffold374	NW_004515866.1	121892	TT	GG	GG	INTERGENIC		
SNP_46429B_121899	scaffold374	NW_004515866.1	121899	CC	TT	TT	INTERGENIC		
SNP_46430B_121914	scaffold374	NW_004515866.1	121914	TT	AA	AA	INTERGENIC		
SNP_46431B_122170	scaffold374	NW_004515866.1	122170	GG	AA	AA	INTERGENIC		
SNP_46432B_128794	scaffold374	NW_004515866.1	128794	TT	CC	CC	INTERGENIC		
SNP_46433B_128836	scaffold374	NW_004515866.1	128836	CC	AA	AA	INTERGENIC		
SNP_46434B_128860	scaffold374	NW_004515866.1	128860	CC	TT	TT	INTERGENIC		
SNP_46435B_128879	scaffold374	NW_004515866.1	128879	TT	CC	CC	INTERGENIC		
SNP_46436B_128887	scaffold374	NW_004515866.1	128887	GG	AA	AA	INTERGENIC		
SNP_46437B_128891	scaffold374	NW_004515866.1	128891	TT	AA	AA	INTERGENIC		
SNP_46438B_128915	scaffold374	NW_004515866.1	128915	TT	CC	CC	INTERGENIC		
SNP_46439B_128924	scaffold374	NW_004515866.1	128924	CC	TT	TT	INTERGENIC		
SNP_46440B_128929	scaffold374	NW_004515866.1	128929	GG	AA	AA	INTERGENIC		
SNP_46441B_128930	scaffold374	NW_004515866.1	128930	GG	AA	AA	INTERGENIC		
SNP_46442B_128948	scaffold374	NW_004515866.1	128948	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46444B_131546	scaffold374	NW_004515866.1	131546	TT	CC	CC	INTERGENIC		
SNP_46445B_141975	scaffold374	NW_004515866.1	141975	AA	TT	TT	INTERGENIC		
SNP_46446B_141992	scaffold374	NW_004515866.1	141992	CC	TT	TT	INTERGENIC		
SNP_46448B_142015	scaffold374	NW_004515866.1	142015	AA	GG	GG	INTERGENIC		
SNP_46449B_142046	scaffold374	NW_004515866.1	142046	CC	TT	TT	INTERGENIC		
SNP_46450B_142057	scaffold374	NW_004515866.1	142057	AA	TT	TT	INTERGENIC		
SNP_46452B_142072	scaffold374	NW_004515866.1	142072	AA	TT	TT	INTERGENIC		
SNP_46453B_142080	scaffold374	NW_004515866.1	142080	TT	AA	AA	INTERGENIC		
SNP_46454B_142125	scaffold374	NW_004515866.1	142125	TT	GG	GG	INTERGENIC		
SNP_46455B_149359	scaffold374	NW_004515866.1	149359	CC	TT	TT	INTERGENIC		
SNP_46456B_149565	scaffold374	NW_004515866.1	149565	TT	CC	CC	INTERGENIC		
SNP_46457B_149601	scaffold374	NW_004515866.1	149601	AA	GG	GG	INTERGENIC		
SNP_46458B_149626	scaffold374	NW_004515866.1	149626	TT	CC	CC	INTERGENIC		
SNP_46459B_154652	scaffold374	NW_004515866.1	154652	TT	GG	GG	INTERGENIC		
SNP_46461B_154757	scaffold374	NW_004515866.1	154757	AA	CC	CC	INTERGENIC		
SNP_46462B_155119	scaffold374	NW_004515866.1	155119	AA	TT	TT	INTERGENIC		
SNP_46463B_156704	scaffold374	NW_004515866.1	156704	TT	GG	GG	NON_SYNONYMOUS_CODING	101515522	Unknown function
SNP_46464B_156728	scaffold374	NW_004515866.1	156728	AA	GG	GG	SYNONYMOUS_CODING	101515522	Unknown function
SNP_46465B_157118	scaffold374	NW_004515866.1	157118	AA	GG	GG	INTRON	101515522	Unknown function
SNP_46466B_157366	scaffold374	NW_004515866.1	157366	TT	CC	CC	URR	101515522	Unknown function
SNP_46468B_203052	scaffold374	NW_004515866.1	203052	TT	CC	CC	DRR	101514234	RNA-binding protein pno1-like
SNP_46470B_206219	scaffold374	NW_004515866.1	206219	TT	AA	AA	URR	101514234	RNA-binding protein pno1-like
SNP_46471B_206222	scaffold374	NW_004515866.1	206222	GG	AA	AA	URR	101514234	RNA-binding protein pno1-like
SNP_46472B_30646	scaffold377	NW_004515867.1	30646	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46473B_30671	scaffold377	NW_004515867.1	30671	CC	TT	TT	INTERGENIC		
SNP_46474B_30744	scaffold377	NW_004515867.1	30744	GG	AA	AA	INTERGENIC		
SNP_46475B_30814	scaffold377	NW_004515867.1	30814	CC	TT	TT	INTERGENIC		
SNP_46476B_30885	scaffold377	NW_004515867.1	30885	AA	GG	GG	INTERGENIC		
SNP_46477B_31186	scaffold377	NW_004515867.1	31186	AA	GG	GG	INTERGENIC		
SNP_46478B_75249	scaffold377	NW_004515867.1	75249	GG	AA	AA	INTERGENIC		
SNP_46480B_75561	scaffold377	NW_004515867.1	75561	TT	AA	AA	INTERGENIC		
SNP_46481B_75569	scaffold377	NW_004515867.1	75569	CC	AA	AA	INTERGENIC		
SNP_46482B_76481	scaffold377	NW_004515867.1	76481	TT	CC	CC	INTERGENIC		
SNP_46483B_98852	scaffold377	NW_004515867.1	98852	CC	TT	TT	INTERGENIC		
SNP_46484B_98914	scaffold377	NW_004515867.1	98914	TT	AA	AA	INTERGENIC		
SNP_46485B_182585	scaffold377	NW_004515867.1	182585	TT	CC	CC	INTERGENIC		
SNP_46486B_182602	scaffold377	NW_004515867.1	182602	TT	GG	GG	INTERGENIC		
SNP_46487B_191612	scaffold377	NW_004515867.1	191612	GG	AA	AA	INTERGENIC		
SNP_46488B_191656	scaffold377	NW_004515867.1	191656	TT	GG	GG	INTERGENIC		
SNP_46489B_191662	scaffold377	NW_004515867.1	191662	AA	GG	GG	INTERGENIC		
SNP_46490B_218657	scaffold377	NW_004515867.1	218657	CC	TT	TT	INTERGENIC		
SNP_46491B_218660	scaffold377	NW_004515867.1	218660	CC	AA	AA	INTERGENIC		
SNP_46492B_251392	scaffold377	NW_004515867.1	251392	GG	AA	AA	INTERGENIC		
SNP_46493B_251395	scaffold377	NW_004515867.1	251395	AA	TT	TT	INTERGENIC		
SNP_46494B_251401	scaffold377	NW_004515867.1	251401	GG	AA	AA	INTERGENIC		
SNP_46495B_251489	scaffold377	NW_004515867.1	251489	GG	AA	AA	INTERGENIC		
SNP_46496B_261578	scaffold377	NW_004515867.1	261578	TT	AA	AA	INTERGENIC		
SNP_46497B_261583	scaffold377	NW_004515867.1	261583	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46499B_264023	scaffold377	NW_004515867.1	264023	AA	TT	TT	INTERGENIC		
SNP_46500B_331009	scaffold377	NW_004515867.1	331009	CC	AA	AA	INTERGENIC		
SNP_46501B_331048	scaffold377	NW_004515867.1	331048	CC	TT	TT	INTERGENIC		
SNP_46502B_331055	scaffold377	NW_004515867.1	331055	GG	AA	AA	INTERGENIC		
SNP_46503B_331083	scaffold377	NW_004515867.1	331083	AA	TT	TT	INTERGENIC		
SNP_46504B_343204	scaffold377	NW_004515867.1	343204	AA	TT	TT	INTERGENIC		
SNP_46505B_397320	scaffold377	NW_004515867.1	397320	CC	TT	TT	INTERGENIC		
SNP_46506B_397324	scaffold377	NW_004515867.1	397324	AA	GG	GG	INTERGENIC		
SNP_46507B_397333	scaffold377	NW_004515867.1	397333	TT	AA	AA	INTERGENIC		
SNP_46508B_397583	scaffold377	NW_004515867.1	397583	CC	TT	TT	INTERGENIC		
SNP_46509B_400093	scaffold377	NW_004515867.1	400093	GG	AA	AA	INTERGENIC		
SNP_46511B_400204	scaffold377	NW_004515867.1	400204	GG	AA	AA	INTERGENIC		
SNP_46512B_400329	scaffold377	NW_004515867.1	400329	TT	CC	CC	INTERGENIC		
SNP_46513B_400426	scaffold377	NW_004515867.1	400426	AA	GG	GG	INTERGENIC		
SNP_46514B_400450	scaffold377	NW_004515867.1	400450	AA	GG	GG	INTERGENIC		
SNP_46515B_400509	scaffold377	NW_004515867.1	400509	GG	AA	AA	INTERGENIC		
SNP_46516B_404899	scaffold377	NW_004515867.1	404899	GG	TT	TT	INTERGENIC		
SNP_46517B_405173	scaffold377	NW_004515867.1	405173	TT	GG	GG	INTERGENIC		
SNP_46518B_419071	scaffold377	NW_004515867.1	419071	GG	TT	TT	INTERGENIC		
SNP_46519B_419104	scaffold377	NW_004515867.1	419104	TT	CC	CC	INTERGENIC		
SNP_46520B_426514	scaffold377	NW_004515867.1	426514	CC	TT	TT	INTERGENIC		
SNP_46521B_9427	scaffold379	NW_004515869.1	9427	CC	TT	TT	INTERGENIC		
SNP_46522B_22745	scaffold379	NW_004515869.1	22745	AA	CC	CC	INTERGENIC		
SNP_46523B_36879	scaffold379	NW_004515869.1	36879	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46524B_91586	scaffold379	NW_004515869.1	91586	AA	GG	GG	INTERGENIC		
SNP_46525B_108286	scaffold379	NW_004515869.1	108286	TT	GG	GG	INTERGENIC		
SNP_46526B_108310	scaffold379	NW_004515869.1	108310	GG	AA	AA	INTERGENIC		
SNP_46527B_108328	scaffold379	NW_004515869.1	108328	GG	AA	AA	INTERGENIC		
SNP_46528B_135818	scaffold379	NW_004515869.1	135818	AA	TT	TT	INTERGENIC		
SNP_46529B_136337	scaffold379	NW_004515869.1	136337	TT	CC	CC	INTERGENIC		
SNP_46530B_136339	scaffold379	NW_004515869.1	136339	TT	AA	AA	INTERGENIC		
SNP_46531B_136398	scaffold379	NW_004515869.1	136398	GG	AA	AA	INTERGENIC		
SNP_46532B_176523	scaffold379	NW_004515869.1	176523	TT	GG	GG	NON_SYNONYMOUS_CODING	101493292	Unknown function
SNP_46535B_6568	scaffold381	NW_004515870.1	6568	CC	GG	GG	INTERGENIC		
SNP_46536B_6571	scaffold381	NW_004515870.1	6571	TT	AA	AA	INTERGENIC		
SNP_46537B_6668	scaffold381	NW_004515870.1	6668	TT	AA	AA	INTERGENIC		
SNP_46539B_6929	scaffold381	NW_004515870.1	6929	AA	TT	TT	INTERGENIC		
SNP_46540B_8526	scaffold381	NW_004515870.1	8526	GG	TT	TT	INTERGENIC		
SNP_46541B_8585	scaffold381	NW_004515870.1	8585	GG	AA	AA	INTERGENIC		
SNP_46542B_9958	scaffold381	NW_004515870.1	9958	CC	AA	AA	INTERGENIC		
SNP_46543B_10024	scaffold381	NW_004515870.1	10024	AA	GG	GG	INTERGENIC		
SNP_46544B_10168	scaffold381	NW_004515870.1	10168	TT	GG	GG	INTERGENIC		
SNP_46545B_10185	scaffold381	NW_004515870.1	10185	TT	AA	AA	INTERGENIC		
SNP_46546B_10189	scaffold381	NW_004515870.1	10189	AA	GG	GG	INTERGENIC		
SNP_46547B_10191	scaffold381	NW_004515870.1	10191	TT	GG	GG	INTERGENIC		
SNP_46548B_10287	scaffold381	NW_004515870.1	10287	CC	TT	TT	INTERGENIC		
SNP_46549B_10341	scaffold381	NW_004515870.1	10341	GG	TT	TT	INTERGENIC		
SNP_46550B_22763	scaffold382	NW_004515871.1	22763	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46551B_22838	scaffold382	NW_004515871.1	22838	TT	CC	CC	INTERGENIC		
SNP_46552B_26494	scaffold382	NW_004515871.1	26494	TT	CC	CC	INTERGENIC		
SNP_46553B_64045	scaffold382	NW_004515871.1	64045	CC	AA	AA	INTERGENIC		
SNP_46554B_90507	scaffold382	NW_004515871.1	90507	TT	AA	AA	INTERGENIC		
SNP_46555B_90785	scaffold382	NW_004515871.1	90785	AA	GG	GG	INTERGENIC		
SNP_46556B_90807	scaffold382	NW_004515871.1	90807	CC	TT	TT	INTERGENIC		
SNP_46557B_90823	scaffold382	NW_004515871.1	90823	CC	TT	TT	INTERGENIC		
SNP_46558B_90984	scaffold382	NW_004515871.1	90984	CC	GG	GG	INTERGENIC		
SNP_46559B_91129	scaffold382	NW_004515871.1	91129	TT	CC	CC	INTERGENIC		
SNP_46560B_91332	scaffold382	NW_004515871.1	91332	GG	CC	CC	INTERGENIC		
SNP_46561B_105474	scaffold382	NW_004515871.1	105474	TT	CC	CC	INTERGENIC		
SNP_46562B_9807	scaffold383	NW_004515872.1	9807	GG	AA	AA	INTERGENIC		
SNP_46563B_9808	scaffold383	NW_004515872.1	9808	AA	TT	TT	INTERGENIC		
SNP_46564B_9867	scaffold383	NW_004515872.1	9867	AA	CC	CC	INTERGENIC		
SNP_46565B_9932	scaffold383	NW_004515872.1	9932	TT	CC	CC	INTERGENIC		
SNP_46566B_17300	scaffold383	NW_004515872.1	17300	GG	AA	AA	INTERGENIC		
SNP_46567B_21079	scaffold383	NW_004515872.1	21079	GG	AA	AA	INTERGENIC		
SNP_46568B_40565	scaffold383	NW_004515872.1	40565	AA	TT	TT	INTERGENIC		
SNP_46569B_80210	scaffold383	NW_004515872.1	80210	TT	GG	GG	INTERGENIC		
SNP_46570B_81403	scaffold383	NW_004515872.1	81403	TT	CC	CC	INTERGENIC		
SNP_46571B_81485	scaffold383	NW_004515872.1	81485	AA	GG	GG	INTERGENIC		
SNP_46572B_81530	scaffold383	NW_004515872.1	81530	CC	TT	TT	INTERGENIC		
SNP_46573B_81811	scaffold383	NW_004515872.1	81811	GG	AA	AA	INTERGENIC		
SNP_46574B_87845	scaffold383	NW_004515872.1	87845	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46575B_118698	scaffold383	NW_004515872.1	118698	TT	AA	AA	INTERGENIC		
SNP_46576B_118755	scaffold383	NW_004515872.1	118755	AA	GG	GG	INTERGENIC		
SNP_46577B_128458	scaffold383	NW_004515872.1	128458	GG	AA	AA	INTERGENIC		
SNP_46578B_128494	scaffold383	NW_004515872.1	128494	CC	TT	TT	INTERGENIC		
SNP_46579B_133731	scaffold383	NW_004515872.1	133731	CC	AA	AA	INTERGENIC		
SNP_46581B_137452	scaffold383	NW_004515872.1	137452	AA	GG	GG	INTERGENIC		
SNP_46582B_137468	scaffold383	NW_004515872.1	137468	GG	TT	TT	INTERGENIC		
SNP_46583B_137483	scaffold383	NW_004515872.1	137483	CC	GG	GG	INTERGENIC		
SNP_46584B_137514	scaffold383	NW_004515872.1	137514	GG	TT	TT	INTERGENIC		
SNP_46585B_175851	scaffold383	NW_004515872.1	175851	GG	AA	AA	INTERGENIC		
SNP_46586B_195739	scaffold383	NW_004515872.1	195739	GG	AA	AA	INTERGENIC		
SNP_46589B_210106	scaffold383	NW_004515872.1	210106	CC	AA	AA	INTERGENIC		
SNP_46590B_210364	scaffold383	NW_004515872.1	210364	GG	AA	AA	INTERGENIC		
SNP_46591B_248150	scaffold383	NW_004515872.1	248150	CC	GG	GG	INTERGENIC		
SNP_46592B_2667	scaffold387	NW_004515873.1	2667	GG	TT	TT	INTERGENIC		
SNP_46593B_2764	scaffold387	NW_004515873.1	2764	GG	TT	TT	INTERGENIC		
SNP_46594B_15761	scaffold387	NW_004515873.1	15761	AA	TT	TT	INTERGENIC		
SNP_46595B_15809	scaffold387	NW_004515873.1	15809	AA	GG	GG	INTERGENIC		
SNP_46596B_15888	scaffold387	NW_004515873.1	15888	GG	TT	TT	INTERGENIC		
SNP_46597B_15911	scaffold387	NW_004515873.1	15911	AA	CC	CC	INTERGENIC		
SNP_46598B_15946	scaffold387	NW_004515873.1	15946	AA	TT	TT	INTERGENIC		
SNP_46599B_15990	scaffold387	NW_004515873.1	15990	TT	CC	CC	INTERGENIC		
SNP_46601B_16114	scaffold387	NW_004515873.1	16114	TT	CC	CC	INTERGENIC		
SNP_46602B_16158	scaffold387	NW_004515873.1	16158	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46603B_16197	scaffold387	NW_004515873.1	16197	GG	TT	TT	INTERGENIC		
SNP_46604B_16288	scaffold387	NW_004515873.1	16288	CC	TT	TT	INTERGENIC		
SNP_46605B_16297	scaffold387	NW_004515873.1	16297	GG	AA	AA	INTERGENIC		
SNP_46606B_16341	scaffold387	NW_004515873.1	16341	AA	CC	CC	INTERGENIC		
SNP_46607B_16368	scaffold387	NW_004515873.1	16368	GG	AA	AA	INTERGENIC		
SNP_46608B_16441	scaffold387	NW_004515873.1	16441	TT	AA	AA	INTERGENIC		
SNP_46609B_16452	scaffold387	NW_004515873.1	16452	CC	GG	GG	INTERGENIC		
SNP_46610B_16491	scaffold387	NW_004515873.1	16491	CC	TT	TT	INTERGENIC		
SNP_46611B_16494	scaffold387	NW_004515873.1	16494	TT	CC	CC	INTERGENIC		
SNP_46612B_16605	scaffold387	NW_004515873.1	16605	GG	AA	AA	INTERGENIC		
SNP_46613B_16629	scaffold387	NW_004515873.1	16629	GG	TT	TT	INTERGENIC		
SNP_46614B_16636	scaffold387	NW_004515873.1	16636	TT	GG	GG	INTERGENIC		
SNP_46615B_16668	scaffold387	NW_004515873.1	16668	TT	CC	CC	INTERGENIC		
SNP_46616B_16679	scaffold387	NW_004515873.1	16679	AA	GG	GG	INTERGENIC		
SNP_46617B_16692	scaffold387	NW_004515873.1	16692	GG	CC	CC	INTERGENIC		
SNP_46618B_16703	scaffold387	NW_004515873.1	16703	TT	AA	AA	INTERGENIC		
SNP_46619B_16760	scaffold387	NW_004515873.1	16760	CC	TT	TT	INTERGENIC		
SNP_46620B_16789	scaffold387	NW_004515873.1	16789	GG	AA	AA	INTERGENIC		
SNP_46621B_16816	scaffold387	NW_004515873.1	16816	AA	GG	GG	INTERGENIC		
SNP_46622B_16827	scaffold387	NW_004515873.1	16827	AA	GG	GG	INTERGENIC		
SNP_46623B_16842	scaffold387	NW_004515873.1	16842	TT	CC	CC	INTERGENIC		
SNP_46624B_17560	scaffold387	NW_004515873.1	17560	GG	AA	AA	INTERGENIC		
SNP_46625B_17613	scaffold387	NW_004515873.1	17613	CC	AA	AA	INTERGENIC		
SNP_46626B_17619	scaffold387	NW_004515873.1	17619	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46627B_17629	scaffold387	NW_004515873.1	17629	GG	CC	CC	INTERGENIC		
SNP_46628B_17718	scaffold387	NW_004515873.1	17718	CC	TT	TT	INTERGENIC		
SNP_46629B_17872	scaffold387	NW_004515873.1	17872	AA	GG	GG	INTERGENIC		
SNP_46630B_17924	scaffold387	NW_004515873.1	17924	TT	GG	GG	INTERGENIC		
SNP_46631B_18101	scaffold387	NW_004515873.1	18101	AA	TT	TT	INTERGENIC		
SNP_46632B_18107	scaffold387	NW_004515873.1	18107	GG	AA	AA	INTERGENIC		
SNP_46633B_18154	scaffold387	NW_004515873.1	18154	CC	TT	TT	INTERGENIC		
SNP_46634B_18171	scaffold387	NW_004515873.1	18171	TT	AA	AA	INTERGENIC		
SNP_46635B_18463	scaffold387	NW_004515873.1	18463	CC	AA	AA	INTERGENIC		
SNP_46636B_18486	scaffold387	NW_004515873.1	18486	CC	TT	TT	INTERGENIC		
SNP_46637B_18495	scaffold387	NW_004515873.1	18495	AA	GG	GG	INTERGENIC		
SNP_46638B_18496	scaffold387	NW_004515873.1	18496	TT	CC	CC	INTERGENIC		
SNP_46639B_18587	scaffold387	NW_004515873.1	18587	AA	GG	GG	INTERGENIC		
SNP_46640B_18606	scaffold387	NW_004515873.1	18606	GG	AA	AA	INTERGENIC		
SNP_46641B_18676	scaffold387	NW_004515873.1	18676	AA	GG	GG	INTERGENIC		
SNP_46642B_18703	scaffold387	NW_004515873.1	18703	CC	GG	GG	INTERGENIC		
SNP_46643B_18704	scaffold387	NW_004515873.1	18704	AA	GG	GG	INTERGENIC		
SNP_46644B_18732	scaffold387	NW_004515873.1	18732	TT	CC	CC	INTERGENIC		
SNP_46645B_18780	scaffold387	NW_004515873.1	18780	CC	TT	TT	INTERGENIC		
SNP_46646B_18910	scaffold387	NW_004515873.1	18910	TT	CC	CC	INTERGENIC		
SNP_46647B_18916	scaffold387	NW_004515873.1	18916	CC	AA	AA	INTERGENIC		
SNP_46648B_18943	scaffold387	NW_004515873.1	18943	AA	CC	CC	INTERGENIC		
SNP_46649B_18944	scaffold387	NW_004515873.1	18944	AA	TT	TT	INTERGENIC		
SNP_46650B_18989	scaffold387	NW_004515873.1	18989	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46651B_19010	scaffold387	NW_004515873.1	19010	AA	GG	GG	INTERGENIC		
SNP_46652B_19068	scaffold387	NW_004515873.1	19068	CC	AA	AA	INTERGENIC		
SNP_46653B_19175	scaffold387	NW_004515873.1	19175	AA	GG	GG	INTERGENIC		
SNP_46654B_19178	scaffold387	NW_004515873.1	19178	AA	CC	CC	INTERGENIC		
SNP_46655B_19247	scaffold387	NW_004515873.1	19247	TT	AA	AA	INTERGENIC		
SNP_46656B_19284	scaffold387	NW_004515873.1	19284	GG	TT	TT	INTERGENIC		
SNP_46657B_19395	scaffold387	NW_004515873.1	19395	CC	TT	TT	INTERGENIC		
SNP_46658B_19467	scaffold387	NW_004515873.1	19467	TT	GG	GG	INTERGENIC		
SNP_46659B_19545	scaffold387	NW_004515873.1	19545	CC	AA	AA	INTERGENIC		
SNP_46660B_20794	scaffold387	NW_004515873.1	20794	TT	CC	CC	INTERGENIC		
SNP_46662B_20802	scaffold387	NW_004515873.1	20802	TT	GG	GG	INTERGENIC		
SNP_46663B_22841	scaffold387	NW_004515873.1	22841	GG	AA	AA	INTERGENIC		
SNP_46664B_22907	scaffold387	NW_004515873.1	22907	GG	TT	TT	INTERGENIC		
SNP_46665B_22932	scaffold387	NW_004515873.1	22932	AA	CC	CC	INTERGENIC		
SNP_46667B_23003	scaffold387	NW_004515873.1	23003	TT	GG	GG	INTERGENIC		
SNP_46668B_23028	scaffold387	NW_004515873.1	23028	GG	AA	AA	INTERGENIC		
SNP_46669B_23087	scaffold387	NW_004515873.1	23087	GG	AA	AA	INTERGENIC		
SNP_46672B_23519	scaffold387	NW_004515873.1	23519	AA	CC	CC	INTERGENIC		
SNP_46673B_23531	scaffold387	NW_004515873.1	23531	TT	AA	AA	INTERGENIC		
SNP_46674B_23538	scaffold387	NW_004515873.1	23538	GG	AA	AA	INTERGENIC		
SNP_46676B_23691	scaffold387	NW_004515873.1	23691	GG	AA	AA	INTERGENIC		
SNP_46677B_23705	scaffold387	NW_004515873.1	23705	TT	CC	CC	INTERGENIC		
SNP_46678B_23792	scaffold387	NW_004515873.1	23792	GG	AA	AA	INTERGENIC		
SNP_46679B_23799	scaffold387	NW_004515873.1	23799	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46680B_23828	scaffold387	NW_004515873.1	23828	CC	AA	AA	INTERGENIC		
SNP_46681B_23985	scaffold387	NW_004515873.1	23985	GG	TT	TT	INTERGENIC		
SNP_46682B_24028	scaffold387	NW_004515873.1	24028	AA	TT	TT	INTERGENIC		
SNP_46683B_24314	scaffold387	NW_004515873.1	24314	CC	TT	TT	INTERGENIC		
SNP_46684B_24824	scaffold387	NW_004515873.1	24824	TT	CC	CC	INTERGENIC		
SNP_46685B_24856	scaffold387	NW_004515873.1	24856	GG	TT	TT	INTERGENIC		
SNP_46686B_24954	scaffold387	NW_004515873.1	24954	GG	AA	AA	INTERGENIC		
SNP_46687B_24960	scaffold387	NW_004515873.1	24960	TT	CC	CC	INTERGENIC		
SNP_46688B_24989	scaffold387	NW_004515873.1	24989	TT	AA	AA	INTERGENIC		
SNP_46689B_25158	scaffold387	NW_004515873.1	25158	TT	GG	GG	INTERGENIC		
SNP_46690B_97506	scaffold387	NW_004515873.1	97506	TT	CC	CC	INTERGENIC		
SNP_46691B_119963	scaffold387	NW_004515873.1	119963	GG	CC	CC	INTERGENIC		
SNP_46692B_123913	scaffold387	NW_004515873.1	123913	GG	AA	AA	INTERGENIC		
SNP_46693B_160796	scaffold387	NW_004515873.1	160796	AA	CC	CC	INTERGENIC		
SNP_46694B_160836	scaffold387	NW_004515873.1	160836	CC	TT	TT	INTERGENIC		
SNP_46695B_160844	scaffold387	NW_004515873.1	160844	TT	CC	CC	INTERGENIC		
SNP_46696B_160846	scaffold387	NW_004515873.1	160846	GG	AA	AA	INTERGENIC		
SNP_46697B_160916	scaffold387	NW_004515873.1	160916	CC	GG	GG	INTERGENIC		
SNP_46698B_160947	scaffold387	NW_004515873.1	160947	CC	TT	TT	INTERGENIC		
SNP_46699B_160959	scaffold387	NW_004515873.1	160959	AA	TT	TT	INTERGENIC		
SNP_46701B_161031	scaffold387	NW_004515873.1	161031	AA	GG	GG	INTERGENIC		
SNP_46702B_161103	scaffold387	NW_004515873.1	161103	AA	GG	GG	INTERGENIC		
SNP_46703B_161136	scaffold387	NW_004515873.1	161136	GG	AA	AA	INTERGENIC		
SNP_46704B_161207	scaffold387	NW_004515873.1	161207	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46705B_161211	scaffold387	NW_004515873.1	161211	AA	TT	TT	INTERGENIC		
SNP_46706B_161283	scaffold387	NW_004515873.1	161283	AA	GG	GG	INTERGENIC		
SNP_46707B_161353	scaffold387	NW_004515873.1	161353	AA	CC	CC	INTERGENIC		
SNP_46709B_161446	scaffold387	NW_004515873.1	161446	TT	CC	CC	INTERGENIC		
SNP_46710B_161509	scaffold387	NW_004515873.1	161509	CC	TT	TT	INTERGENIC		
SNP_46711B_161543	scaffold387	NW_004515873.1	161543	TT	CC	CC	INTERGENIC		
SNP_46712B_161560	scaffold387	NW_004515873.1	161560	TT	AA	AA	INTERGENIC		
SNP_46713B_2249	scaffold388	NW_004515874.1	2249	TT	CC	CC	INTERGENIC		
SNP_46715B_12259	scaffold388	NW_004515874.1	12259	CC	AA	AA	INTERGENIC		
SNP_46716B_23523	scaffold388	NW_004515874.1	23523	AA	CC	CC	INTERGENIC		
SNP_46717B_26885	scaffold388	NW_004515874.1	26885	AA	GG	GG	INTERGENIC		
SNP_46718B_27034	scaffold388	NW_004515874.1	27034	GG	AA	AA	INTERGENIC		
SNP_46719B_30224	scaffold388	NW_004515874.1	30224	CC	TT	TT	INTERGENIC		
SNP_46720B_30375	scaffold388	NW_004515874.1	30375	CC	TT	TT	INTERGENIC		
SNP_46721B_30377	scaffold388	NW_004515874.1	30377	GG	AA	AA	INTERGENIC		
SNP_46722B_30398	scaffold388	NW_004515874.1	30398	CC	TT	TT	INTERGENIC		
SNP_46723B_30436	scaffold388	NW_004515874.1	30436	AA	GG	GG	INTERGENIC		
SNP_46724B_30653	scaffold388	NW_004515874.1	30653	AA	GG	GG	INTERGENIC		
SNP_46725B_31879	scaffold388	NW_004515874.1	31879	CC	TT	TT	INTERGENIC		
SNP_46726B_32743	scaffold388	NW_004515874.1	32743	CC	TT	TT	INTERGENIC		
SNP_46727B_34011	scaffold388	NW_004515874.1	34011	AA	GG	GG	INTERGENIC		
SNP_46728B_34647	scaffold388	NW_004515874.1	34647	TT	CC	CC	INTERGENIC		
SNP_46729B_35255	scaffold388	NW_004515874.1	35255	AA	TT	TT	INTERGENIC		
SNP_46730B_35278	scaffold388	NW_004515874.1	35278	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46731B_39163	scaffold388	NW_004515874.1	39163	CC	TT	TT	INTERGENIC		
SNP_46732B_45612	scaffold388	NW_004515874.1	45612	GG	TT	TT	INTERGENIC		
SNP_46733B_45615	scaffold388	NW_004515874.1	45615	CC	TT	TT	INTERGENIC		
SNP_46734B_47016	scaffold388	NW_004515874.1	47016	TT	CC	CC	INTERGENIC		
SNP_46735B_47130	scaffold388	NW_004515874.1	47130	AA	TT	TT	INTERGENIC		
SNP_46736B_47874	scaffold388	NW_004515874.1	47874	AA	CC	CC	INTERGENIC		
SNP_46737B_50595	scaffold388	NW_004515874.1	50595	AA	TT	TT	INTERGENIC		
SNP_46738B_435	scaffold393	NW_004515878.1	435	CC	TT	TT	INTERGENIC		
SNP_46739B_6979	scaffold395	NW_004515879.1	6979	CC	TT	TT	INTERGENIC		
SNP_46740B_8113	scaffold395	NW_004515879.1	8113	GG	AA	AA	INTERGENIC		
SNP_46741B_8126	scaffold395	NW_004515879.1	8126	TT	CC	CC	INTERGENIC		
SNP_46742B_8129	scaffold395	NW_004515879.1	8129	AA	TT	TT	INTERGENIC		
SNP_46743B_8137	scaffold395	NW_004515879.1	8137	GG	AA	AA	INTERGENIC		
SNP_46744B_8149	scaffold395	NW_004515879.1	8149	AA	GG	GG	INTERGENIC		
SNP_46745B_8170	scaffold395	NW_004515879.1	8170	GG	AA	AA	INTERGENIC		
SNP_46746B_8171	scaffold395	NW_004515879.1	8171	GG	CC	CC	INTERGENIC		
SNP_46747B_8197	scaffold395	NW_004515879.1	8197	TT	AA	AA	INTERGENIC		
SNP_46749B_21705	scaffold395	NW_004515879.1	21705	CC	TT	TT	INTRON	101498710	uncharacterized LOC101498710
SNP_46750B_31645	scaffold395	NW_004515879.1	31645	TT	AA	AA	INTERGENIC		
SNP_46751B_32289	scaffold395	NW_004515879.1	32289	AA	GG	GG	INTERGENIC		
SNP_46752B_32332	scaffold395	NW_004515879.1	32332	TT	AA	AA	INTERGENIC		
SNP_46753B_94684	scaffold395	NW_004515879.1	94684	CC	TT	TT	INTERGENIC		
SNP_46754B_125672	scaffold395	NW_004515879.1	125672	TT	AA	AA	INTERGENIC		
SNP_46755B_125685	scaffold395	NW_004515879.1	125685	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46756B_125702	scaffold395	NW_004515879.1	125702	TT	CC	CC	INTERGENIC		
SNP_46757B_125705	scaffold395	NW_004515879.1	125705	AA	GG	GG	INTERGENIC		
SNP_46758B_125765	scaffold395	NW_004515879.1	125765	TT	CC	CC	INTERGENIC		
SNP_46759B_125795	scaffold395	NW_004515879.1	125795	AA	GG	GG	INTERGENIC		
SNP_46760B_125968	scaffold395	NW_004515879.1	125968	TT	CC	CC	INTERGENIC		
SNP_46761B_125970	scaffold395	NW_004515879.1	125970	TT	CC	CC	INTERGENIC		
SNP_46762B_125975	scaffold395	NW_004515879.1	125975	TT	CC	CC	INTERGENIC		
SNP_46763B_125997	scaffold395	NW_004515879.1	125997	GG	TT	TT	INTERGENIC		
SNP_46764B_126030	scaffold395	NW_004515879.1	126030	CC	TT	TT	INTERGENIC		
SNP_46765B_126657	scaffold395	NW_004515879.1	126657	TT	CC	CC	INTERGENIC		
SNP_46766B_126771	scaffold395	NW_004515879.1	126771	AA	GG	GG	INTERGENIC		
SNP_46767B_126783	scaffold395	NW_004515879.1	126783	AA	GG	GG	INTERGENIC		
SNP_46768B_126831	scaffold395	NW_004515879.1	126831	CC	TT	TT	INTERGENIC		
SNP_46769B_126842	scaffold395	NW_004515879.1	126842	GG	AA	AA	INTERGENIC		
SNP_46770B_127042	scaffold395	NW_004515879.1	127042	AA	GG	GG	INTERGENIC		
SNP_46771B_127053	scaffold395	NW_004515879.1	127053	TT	CC	CC	INTERGENIC		
SNP_46772B_127066	scaffold395	NW_004515879.1	127066	GG	TT	TT	INTERGENIC		
SNP_46773B_127072	scaffold395	NW_004515879.1	127072	TT	CC	CC	INTERGENIC		
SNP_46774B_127078	scaffold395	NW_004515879.1	127078	CC	TT	TT	INTERGENIC		
SNP_46775B_131099	scaffold395	NW_004515879.1	131099	CC	TT	TT	INTERGENIC		
SNP_46776B_224692	scaffold395	NW_004515879.1	224692	CC	AA	AA	INTERGENIC		
SNP_46778B_327321	scaffold395	NW_004515879.1	327321	TT	GG	GG	INTERGENIC		
SNP_46779B_327340	scaffold395	NW_004515879.1	327340	AA	GG	GG	INTERGENIC		
SNP_46780B_327375	scaffold395	NW_004515879.1	327375	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46781B_327447	scaffold395	NW_004515879.1	327447	TT	CC	CC	INTERGENIC		
SNP_46782B_327549	scaffold395	NW_004515879.1	327549	AA	GG	GG	INTERGENIC		
SNP_46783B_328024	scaffold395	NW_004515879.1	328024	AA	GG	GG	INTERGENIC		
SNP_46784B_328144	scaffold395	NW_004515879.1	328144	CC	TT	TT	INTERGENIC		
SNP_46785B_328156	scaffold395	NW_004515879.1	328156	TT	CC	CC	INTERGENIC		
SNP_46786B_328190	scaffold395	NW_004515879.1	328190	TT	CC	CC	INTERGENIC		
SNP_46787B_328411	scaffold395	NW_004515879.1	328411	AA	GG	GG	INTERGENIC		
SNP_46788B_328534	scaffold395	NW_004515879.1	328534	AA	GG	GG	INTERGENIC		
SNP_46789B_331762	scaffold395	NW_004515879.1	331762	AA	GG	GG	INTERGENIC		
SNP_46790B_331786	scaffold395	NW_004515879.1	331786	AA	CC	CC	INTERGENIC		
SNP_46792B_2788	scaffold396	NW_004515880.1	2788	GG	TT	TT	INTERGENIC		
SNP_46793B_6186	scaffold396	NW_004515880.1	6186	GG	AA	AA	INTERGENIC		
SNP_46794B_6213	scaffold396	NW_004515880.1	6213	CC	TT	TT	INTERGENIC		
SNP_46795B_6234	scaffold396	NW_004515880.1	6234	AA	GG	GG	INTERGENIC		
SNP_46796B_47842	scaffold396	NW_004515880.1	47842	GG	CC	CC	INTERGENIC		
SNP_46797B_275466	scaffold396	NW_004515880.1	275466	TT	AA	AA	INTERGENIC		
SNP_46798B_275545	scaffold396	NW_004515880.1	275545	AA	CC	CC	INTERGENIC		
SNP_46800B_275825	scaffold396	NW_004515880.1	275825	TT	GG	GG	INTERGENIC		
SNP_46801B_324300	scaffold396	NW_004515880.1	324300	AA	GG	GG	INTERGENIC		
SNP_46802B_330776	scaffold396	NW_004515880.1	330776	CC	TT	TT	INTERGENIC		
SNP_46804B_376944	scaffold396	NW_004515880.1	376944	GG	CC	CC	INTERGENIC		
SNP_46805B_377297	scaffold396	NW_004515880.1	377297	TT	CC	CC	INTERGENIC		
SNP_46806B_422656	scaffold396	NW_004515880.1	422656	AA	GG	GG	INTERGENIC		
SNP_46807B_467510	scaffold396	NW_004515880.1	467510	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46808B_467514	scaffold396	NW_004515880.1	467514	GG	TT	TT	INTERGENIC		
SNP_46809B_477504	scaffold396	NW_004515880.1	477504	TT	CC	CC	INTERGENIC		
SNP_46810B_477564	scaffold396	NW_004515880.1	477564	GG	CC	CC	INTERGENIC		
SNP_46811B_520008	scaffold396	NW_004515880.1	520008	CC	TT	TT	INTERGENIC		
SNP_46812B_520378	scaffold396	NW_004515880.1	520378	TT	CC	CC	INTERGENIC		
SNP_46813B_520413	scaffold396	NW_004515880.1	520413	TT	GG	GG	INTERGENIC		
SNP_46814B_520785	scaffold396	NW_004515880.1	520785	CC	AA	AA	INTERGENIC		
SNP_46815B_522948	scaffold396	NW_004515880.1	522948	CC	TT	TT	INTERGENIC		
SNP_46816B_525239	scaffold396	NW_004515880.1	525239	TT	CC	CC	INTERGENIC		
SNP_46817B_525244	scaffold396	NW_004515880.1	525244	CC	TT	TT	INTERGENIC		
SNP_46818B_525265	scaffold396	NW_004515880.1	525265	GG	TT	TT	INTERGENIC		
SNP_46819B_525270	scaffold396	NW_004515880.1	525270	CC	TT	TT	INTERGENIC		
SNP_46820B_525550	scaffold396	NW_004515880.1	525550	AA	GG	GG	INTERGENIC		
SNP_46821B_525563	scaffold396	NW_004515880.1	525563	TT	CC	CC	INTERGENIC		
SNP_46822B_525599	scaffold396	NW_004515880.1	525599	CC	AA	AA	INTERGENIC		
SNP_46823B_525641	scaffold396	NW_004515880.1	525641	AA	GG	GG	INTERGENIC		
SNP_46824B_525662	scaffold396	NW_004515880.1	525662	CC	TT	TT	INTERGENIC		
SNP_46826B_529186	scaffold396	NW_004515880.1	529186	CC	GG	GG	INTERGENIC		
SNP_46827B_529197	scaffold396	NW_004515880.1	529197	CC	TT	TT	INTERGENIC		
SNP_46828B_529378	scaffold396	NW_004515880.1	529378	CC	GG	GG	INTERGENIC		
SNP_46829B_529453	scaffold396	NW_004515880.1	529453	AA	CC	CC	INTERGENIC		
SNP_46830B_529454	scaffold396	NW_004515880.1	529454	TT	AA	AA	INTERGENIC		
SNP_46831B_556343	scaffold396	NW_004515880.1	556343	AA	TT	TT	INTERGENIC		
SNP_46832B_577392	scaffold396	NW_004515880.1	577392	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46833B_577476	scaffold396	NW_004515880.1	577476	AA	GG	GG	INTERGENIC		
SNP_46834B_577481	scaffold396	NW_004515880.1	577481	AA	CC	CC	INTERGENIC		
SNP_46835B_577493	scaffold396	NW_004515880.1	577493	AA	CC	CC	INTERGENIC		
SNP_46836B_577497	scaffold396	NW_004515880.1	577497	AA	TT	TT	INTERGENIC		
SNP_46837B_577498	scaffold396	NW_004515880.1	577498	AA	GG	GG	INTERGENIC		
SNP_46839B_577615	scaffold396	NW_004515880.1	577615	TT	GG	GG	INTERGENIC		
SNP_46841B_588535	scaffold396	NW_004515880.1	588535	TT	AA	AA	INTERGENIC		
SNP_46842B_592937	scaffold396	NW_004515880.1	592937	TT	CC	CC	URR	101508202	uncharacterized LOC101508202
SNP_46843B_593087	scaffold396	NW_004515880.1	593087	TT	CC	CC	URR	101508202	uncharacterized LOC101508202
SNP_46844B_593190	scaffold396	NW_004515880.1	593190	TT	AA	AA	URR	101508202	uncharacterized LOC101508202
SNP_46845B_593209	scaffold396	NW_004515880.1	593209	AA	CC	CC	URR	101508202	uncharacterized LOC101508202
SNP_46846B_593216	scaffold396	NW_004515880.1	593216	TT	AA	AA	URR	101508202	uncharacterized LOC101508202
SNP_46847B_593454	scaffold396	NW_004515880.1	593454	TT	AA	AA	INTERGENIC		
SNP_46848B_22789	scaffold397	NW_004515881.1	22789	GG	CC	CC	INTERGENIC		
SNP_46851B_87186	scaffold397	NW_004515881.1	87186	AA	TT	TT	INTERGENIC		
SNP_46852B_96180	scaffold397	NW_004515881.1	96180	GG	TT	TT	INTERGENIC		
SNP_46853B_98243	scaffold397	NW_004515881.1	98243	TT	AA	AA	INTERGENIC		
SNP_46854B_98248	scaffold397	NW_004515881.1	98248	TT	CC	CC	INTERGENIC		
SNP_46855B_130381	scaffold397	NW_004515881.1	130381	AA	TT	TT	INTERGENIC		
SNP_46856B_131201	scaffold397	NW_004515881.1	131201	CC	GG	GG	INTERGENIC		
SNP_46857B_143776	scaffold397	NW_004515881.1	143776	TT	CC	CC	INTERGENIC		
SNP_46858B_143803	scaffold397	NW_004515881.1	143803	AA	GG	GG	INTERGENIC		
SNP_46859B_143806	scaffold397	NW_004515881.1	143806	TT	CC	CC	INTERGENIC		
SNP_46860B_143815	scaffold397	NW_004515881.1	143815	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46861B_143831	scaffold397	NW_004515881.1	143831	AA	GG	GG	INTERGENIC		
SNP_46862B_143848	scaffold397	NW_004515881.1	143848	GG	AA	AA	INTERGENIC		
SNP_46863B_143863	scaffold397	NW_004515881.1	143863	CC	TT	TT	INTERGENIC		
SNP_46864B_143881	scaffold397	NW_004515881.1	143881	AA	GG	GG	INTERGENIC		
SNP_46865B_143968	scaffold397	NW_004515881.1	143968	TT	CC	CC	INTERGENIC		
SNP_46866B_143983	scaffold397	NW_004515881.1	143983	AA	CC	CC	INTERGENIC		
SNP_46867B_144790	scaffold397	NW_004515881.1	144790	CC	TT	TT	INTERGENIC		
SNP_46869B_146245	scaffold397	NW_004515881.1	146245	TT	AA	AA	INTERGENIC		
SNP_46870B_185107	scaffold397	NW_004515881.1	185107	AA	GG	GG	INTERGENIC		
SNP_46871B_185133	scaffold397	NW_004515881.1	185133	AA	TT	TT	INTERGENIC		
SNP_46872B_185153	scaffold397	NW_004515881.1	185153	AA	GG	GG	INTERGENIC		
SNP_46873B_185160	scaffold397	NW_004515881.1	185160	CC	TT	TT	INTERGENIC		
SNP_46874B_185373	scaffold397	NW_004515881.1	185373	TT	CC	CC	INTERGENIC		
SNP_46875B_185414	scaffold397	NW_004515881.1	185414	CC	AA	AA	INTERGENIC		
SNP_46876B_195205	scaffold397	NW_004515881.1	195205	TT	AA	AA	INTERGENIC		
SNP_46877B_195269	scaffold397	NW_004515881.1	195269	CC	TT	TT	INTERGENIC		
SNP_46878B_331264	scaffold397	NW_004515881.1	331264	AA	GG	GG	INTRON	101509160	Unknown function
SNP_46879B_331289	scaffold397	NW_004515881.1	331289	CC	TT	TT	INTRON	101509160	Unknown function
SNP_46880B_331309	scaffold397	NW_004515881.1	331309	AA	CC	CC	INTRON	101509160	Unknown function
SNP_46881B_331310	scaffold397	NW_004515881.1	331310	AA	CC	CC	INTRON	101509160	Unknown function
SNP_46882B_331586	scaffold397	NW_004515881.1	331586	CC	TT	TT	INTRON	101509160	Unknown function
SNP_46883B_331596	scaffold397	NW_004515881.1	331596	CC	TT	TT	INTRON	101509160	Unknown function
SNP_46884B_331604	scaffold397	NW_004515881.1	331604	AA	TT	TT	INTRON	101509160	Unknown function
SNP_46885B_331612	scaffold397	NW_004515881.1	331612	TT	AA	AA	INTRON	101509160	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46886B_350791	scaffold397	NW_004515881.1	350791	CC	TT	TT	INTRON	101509160	Unknown function
SNP_46887B_350861	scaffold397	NW_004515881.1	350861	TT	CC	CC	INTRON	101509160	Unknown function
SNP_46888B_365928	scaffold397	NW_004515881.1	365928	AA	GG	GG	INTERGENIC		
SNP_46889B_436260	scaffold397	NW_004515881.1	436260	TT	AA	AA	INTERGENIC		
SNP_46890B_441441	scaffold397	NW_004515881.1	441441	AA	GG	GG	INTERGENIC		
SNP_46891B_21254	scaffold398	NW_004515882.1	21254	AA	GG	GG	INTERGENIC		
SNP_46892B_21265	scaffold398	NW_004515882.1	21265	GG	AA	AA	INTERGENIC		
SNP_46893B_21281	scaffold398	NW_004515882.1	21281	GG	AA	AA	INTERGENIC		
SNP_46894B_21287	scaffold398	NW_004515882.1	21287	CC	TT	TT	INTERGENIC		
SNP_46895B_21293	scaffold398	NW_004515882.1	21293	TT	CC	CC	INTERGENIC		
SNP_46896B_21301	scaffold398	NW_004515882.1	21301	GG	CC	CC	INTERGENIC		
SNP_46897B_21323	scaffold398	NW_004515882.1	21323	AA	CC	CC	INTERGENIC		
SNP_46898B_21449	scaffold398	NW_004515882.1	21449	CC	TT	TT	INTERGENIC		
SNP_46899B_21452	scaffold398	NW_004515882.1	21452	CC	TT	TT	INTERGENIC		
SNP_46900B_21458	scaffold398	NW_004515882.1	21458	AA	TT	TT	INTERGENIC		
SNP_46903B_21470	scaffold398	NW_004515882.1	21470	CC	AA	AA	INTERGENIC		
SNP_46904B_25704	scaffold398	NW_004515882.1	25704	CC	TT	TT	INTERGENIC		
SNP_46906B_33266	scaffold398	NW_004515882.1	33266	AA	GG	GG	INTERGENIC		
SNP_46907B_33381	scaffold398	NW_004515882.1	33381	GG	AA	AA	INTERGENIC		
SNP_46908B_33497	scaffold398	NW_004515882.1	33497	AA	GG	GG	INTERGENIC		
SNP_46910B_33534	scaffold398	NW_004515882.1	33534	TT	GG	GG	INTERGENIC		
SNP_46911B_33553	scaffold398	NW_004515882.1	33553	CC	AA	AA	INTERGENIC		
SNP_46912B_33560	scaffold398	NW_004515882.1	33560	CC	TT	TT	INTERGENIC		
SNP_46913B_33595	scaffold398	NW_004515882.1	33595	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46914B_33695	scaffold398	NW_004515882.1	33695	TT	CC	CC	INTERGENIC		
SNP_46917B_33943	scaffold398	NW_004515882.1	33943	TT	AA	AA	INTERGENIC		
SNP_46918B_34039	scaffold398	NW_004515882.1	34039	GG	TT	TT	INTERGENIC		
SNP_46920B_47356	scaffold398	NW_004515882.1	47356	GG	AA	AA	INTERGENIC		
SNP_46921B_52328	scaffold398	NW_004515882.1	52328	AA	GG	GG	INTERGENIC		
SNP_46922B_63477	scaffold398	NW_004515882.1	63477	TT	GG	GG	INTERGENIC		
SNP_46923B_68140	scaffold398	NW_004515882.1	68140	AA	GG	GG	INTERGENIC		
SNP_46924B_68422	scaffold398	NW_004515882.1	68422	AA	GG	GG	INTERGENIC		
SNP_46925B_68706	scaffold398	NW_004515882.1	68706	TT	CC	CC	INTERGENIC		
SNP_46926B_69807	scaffold398	NW_004515882.1	69807	AA	TT	TT	INTERGENIC		
SNP_46927B_71199	scaffold398	NW_004515882.1	71199	TT	AA	AA	INTERGENIC		
SNP_46928B_74471	scaffold398	NW_004515882.1	74471	TT	CC	CC	INTERGENIC		
SNP_46930B_77285	scaffold398	NW_004515882.1	77285	CC	TT	TT	INTERGENIC		
SNP_46931B_77429	scaffold398	NW_004515882.1	77429	CC	TT	TT	INTERGENIC		
SNP_46932B_79380	scaffold398	NW_004515882.1	79380	TT	CC	CC	INTERGENIC		
SNP_46933B_89626	scaffold398	NW_004515882.1	89626	AA	GG	GG	INTERGENIC		
SNP_46934B_92505	scaffold398	NW_004515882.1	92505	GG	AA	AA	INTERGENIC		
SNP_46935B_124937	scaffold398	NW_004515882.1	124937	CC	TT	TT	INTERGENIC		
SNP_46936B_131497	scaffold398	NW_004515882.1	131497	GG	AA	AA	INTERGENIC		
SNP_46937B_154062	scaffold398	NW_004515882.1	154062	GG	AA	AA	INTRON	101509491	uncharacterized LOC101509491
SNP_46938B_159868	scaffold398	NW_004515882.1	159868	TT	AA	AA	INTERGENIC		
SNP_46939B_162394	scaffold398	NW_004515882.1	162394	AA	GG	GG	URR	101509491	uncharacterized LOC101509491
SNP_46940B_171836	scaffold398	NW_004515882.1	171836	TT	CC	CC	INTRON	PDCD11	Unknown function
SNP_46941B_174263	scaffold398	NW_004515882.1	174263	TT	AA	AA	INTRON	PDCD11	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46942B_188660	scaffold398	NW_004515882.1	188660	GG	AA	AA	URR	101509810	protein RRP5 homolog
SNP_46943B_207781	scaffold398	NW_004515882.1	207781	TT	AA	AA	INTERGENIC		
SNP_46944B_207786	scaffold398	NW_004515882.1	207786	GG	AA	AA	INTERGENIC		
SNP_46945B_208746	scaffold398	NW_004515882.1	208746	AA	GG	GG	INTERGENIC		
SNP_46946B_209532	scaffold398	NW_004515882.1	209532	CC	AA	AA	INTERGENIC		
SNP_46947B_209548	scaffold398	NW_004515882.1	209548	AA	CC	CC	INTERGENIC		
SNP_46948B_211934	scaffold398	NW_004515882.1	211934	TT	CC	CC	INTERGENIC		
SNP_46949B_211965	scaffold398	NW_004515882.1	211965	CC	TT	TT	INTERGENIC		
SNP_46950B_247663	scaffold398	NW_004515882.1	247663	AA	GG	GG	URR	101515410	uncharacterized LOC101515410
SNP_46951B_247664	scaffold398	NW_004515882.1	247664	GG	AA	AA	URR	101515410	uncharacterized LOC101515410
SNP_46952B_248311	scaffold398	NW_004515882.1	248311	TT	AA	AA	URR	101515410	uncharacterized LOC101515410
SNP_46954B_261556	scaffold398	NW_004515882.1	261556	AA	CC	CC	DRR	101510781	fatty acyl-CoA reductase 2
SNP_46955B_266593	scaffold398	NW_004515882.1	266593	GG	AA	AA	URR	101510781	fatty acyl-CoA reductase 2
SNP_46956B_269990	scaffold398	NW_004515882.1	269990	AA	TT	TT	DRR	101410606	transfer RNA glycine (anticodon UCC)
SNP_46958B_275315	scaffold398	NW_004515882.1	275315	TT	AA	AA	INTERGENIC		
SNP_46960B_276001	scaffold398	NW_004515882.1	276001	GG	AA	AA	DRR	101511307	histone-lysine N-methyltransferase ATXR4
SNP_46963B_306882	scaffold398	NW_004515882.1	306882	GG	AA	AA	INTERGENIC		
SNP_46964B_306914	scaffold398	NW_004515882.1	306914	CC	TT	TT	INTERGENIC		
SNP_46965B_308652	scaffold398	NW_004515882.1	308652	GG	AA	AA	INTERGENIC		
SNP_46966B_308902	scaffold398	NW_004515882.1	308902	CC	AA	AA	INTERGENIC		
SNP_46968B_329855	scaffold398	NW_004515882.1	329855	AA	GG	GG	INTERGENIC		
SNP_46969B_331176	scaffold398	NW_004515882.1	331176	CC	TT	TT	INTERGENIC		
SNP_46970B_344699	scaffold398	NW_004515882.1	344699	CC	TT	TT	INTRON	101512617	carbon catabolite repressor protein 4 homolog 2-like
SNP_46971B_345338	scaffold398	NW_004515882.1	345338	CC	GG	GG	INTRON	101512617	carbon catabolite repressor protein 4 homolog 2-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46973B_347374	scaffold398	NW_004515882.1	347374	CC	AA	AA	URR	101512617	carbon catabolite repressor protein 4 homolog 2-like
SNP_46974B_347386	scaffold398	NW_004515882.1	347386	CC	TT	TT	URR	101512617	carbon catabolite repressor protein 4 homolog 2-like
SNP_46975B_347557	scaffold398	NW_004515882.1	347557	AA	TT	TT	URR	101512617	carbon catabolite repressor protein 4 homolog 2-like
SNP_46977B_350688	scaffold398	NW_004515882.1	350688	TT	CC	CC	INTERGENIC		
SNP_46978B_351446	scaffold398	NW_004515882.1	351446	GG	AA	AA	INTERGENIC		
SNP_46979B_351447	scaffold398	NW_004515882.1	351447	GG	AA	AA	INTERGENIC		
SNP_46980B_351525	scaffold398	NW_004515882.1	351525	AA	GG	GG	INTERGENIC		
SNP_46981B_352188	scaffold398	NW_004515882.1	352188	CC	TT	TT	INTERGENIC		
SNP_46982B_352192	scaffold398	NW_004515882.1	352192	GG	TT	TT	INTERGENIC		
SNP_46983B_352204	scaffold398	NW_004515882.1	352204	TT	CC	CC	INTERGENIC		
SNP_46984B_352243	scaffold398	NW_004515882.1	352243	CC	TT	TT	INTERGENIC		
SNP_46985B_352249	scaffold398	NW_004515882.1	352249	GG	AA	AA	INTERGENIC		
SNP_46986B_352285	scaffold398	NW_004515882.1	352285	GG	CC	CC	INTERGENIC		
SNP_46987B_352303	scaffold398	NW_004515882.1	352303	CC	TT	TT	INTERGENIC		
SNP_46988B_352507	scaffold398	NW_004515882.1	352507	TT	GG	GG	INTERGENIC		
SNP_46989B_353199	scaffold398	NW_004515882.1	353199	TT	AA	AA	INTERGENIC		
SNP_46990B_353239	scaffold398	NW_004515882.1	353239	CC	TT	TT	INTERGENIC		
SNP_46991B_360589	scaffold398	NW_004515882.1	360589	GG	AA	AA	INTERGENIC		
SNP_46992B_366783	scaffold398	NW_004515882.1	366783	AA	TT	TT	DRR	101513136	dirigent protein 22-like
SNP_46993B_367035	scaffold398	NW_004515882.1	367035	TT	CC	CC	DRR	101513136	dirigent protein 22-like
SNP_46994B_376980	scaffold398	NW_004515882.1	376980	TT	GG	GG	URR	101513463	elongation factor 1-alpha-like
SNP_46995B_377078	scaffold398	NW_004515882.1	377078	GG	TT	TT	URR	101513463	elongation factor 1-alpha-like
SNP_46996B_378674	scaffold398	NW_004515882.1	378674	AA	GG	GG	INTERGENIC		
SNP_46997B_378703	scaffold398	NW_004515882.1	378703	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_46998B_378801	scaffold398	NW_004515882.1	378801	AA	GG	GG	INTERGENIC		
SNP_46999B_378810	scaffold398	NW_004515882.1	378810	AA	GG	GG	INTERGENIC		
SNP_47000B_378827	scaffold398	NW_004515882.1	378827	AA	GG	GG	INTERGENIC		
SNP_47001B_378869	scaffold398	NW_004515882.1	378869	GG	AA	AA	INTERGENIC		
SNP_47002B_378990	scaffold398	NW_004515882.1	378990	AA	CC	CC	INTERGENIC		
SNP_47003B_379026	scaffold398	NW_004515882.1	379026	CC	TT	TT	INTERGENIC		
SNP_47005B_390284	scaffold398	NW_004515882.1	390284	AA	CC	CC	INTERGENIC		
SNP_47006B_390475	scaffold398	NW_004515882.1	390475	TT	GG	GG	INTERGENIC		
SNP_47007B_390482	scaffold398	NW_004515882.1	390482	GG	TT	TT	INTERGENIC		
SNP_47008B_390506	scaffold398	NW_004515882.1	390506	TT	CC	CC	INTERGENIC		
SNP_47009B_390530	scaffold398	NW_004515882.1	390530	TT	CC	CC	INTERGENIC		
SNP_47010B_390552	scaffold398	NW_004515882.1	390552	GG	AA	AA	INTERGENIC		
SNP_47011B_392083	scaffold398	NW_004515882.1	392083	TT	AA	AA	INTERGENIC		
SNP_47012B_400858	scaffold398	NW_004515882.1	400858	GG	TT	TT	URR	101488847	Unknown function
SNP_47013B_404755	scaffold398	NW_004515882.1	404755	GG	AA	AA	INTERGENIC		
SNP_47014B_405612	scaffold398	NW_004515882.1	405612	GG	TT	TT	INTERGENIC		
SNP_47015B_409209	scaffold398	NW_004515882.1	409209	AA	GG	GG	INTERGENIC		
SNP_47016B_414824	scaffold398	NW_004515882.1	414824	GG	AA	AA	INTERGENIC		
SNP_47017B_422765	scaffold398	NW_004515882.1	422765	GG	AA	AA	INTERGENIC		
SNP_47018B_427353	scaffold398	NW_004515882.1	427353	CC	TT	TT	INTERGENIC		
SNP_47019B_430709	scaffold398	NW_004515882.1	430709	TT	CC	CC	INTERGENIC		
SNP_47020B_434904	scaffold398	NW_004515882.1	434904	GG	AA	AA	INTERGENIC		
SNP_47022B_453562	scaffold398	NW_004515882.1	453562	TT	AA	AA	INTERGENIC		
SNP_47023B_459529	scaffold398	NW_004515882.1	459529	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47025B_459631	scaffold398	NW_004515882.1	459631	TT	GG	GG	INTERGENIC		
SNP_47026B_464764	scaffold398	NW_004515882.1	464764	AA	GG	GG	INTERGENIC		
SNP_47027B_465866	scaffold398	NW_004515882.1	465866	CC	TT	TT	INTERGENIC		
SNP_47028B_465882	scaffold398	NW_004515882.1	465882	AA	CC	CC	INTERGENIC		
SNP_47029B_465988	scaffold398	NW_004515882.1	465988	AA	GG	GG	INTERGENIC		
SNP_47031B_470964	scaffold398	NW_004515882.1	470964	CC	TT	TT	INTERGENIC		
SNP_47034B_477103	scaffold398	NW_004515882.1	477103	GG	AA	AA	INTERGENIC		
SNP_47035B_480885	scaffold398	NW_004515882.1	480885	CC	TT	TT	INTERGENIC		
SNP_47036B_491080	scaffold398	NW_004515882.1	491080	CC	AA	AA	URR	101514113	zinc finger protein 8
SNP_47037B_491711	scaffold398	NW_004515882.1	491711	CC	TT	TT	URR	101514113	zinc finger protein 8
SNP_47038B_491737	scaffold398	NW_004515882.1	491737	GG	AA	AA	URR	101514113	zinc finger protein 8
SNP_47039B_491978	scaffold398	NW_004515882.1	491978	GG	AA	AA	URR	101514113	zinc finger protein 8
SNP_47040B_492416	scaffold398	NW_004515882.1	492416	TT	CC	CC	URR	101514113	zinc finger protein 8
SNP_47041B_492578	scaffold398	NW_004515882.1	492578	AA	TT	TT	INTERGENIC		
SNP_47042B_496385	scaffold398	NW_004515882.1	496385	CC	TT	TT	INTERGENIC		
SNP_47043B_29476	scaffold399	NW_004515883.1	29476	GG	CC	CC	INTERGENIC		
SNP_47044B_44351	scaffold399	NW_004515883.1	44351	AA	TT	TT	INTERGENIC		
SNP_47045B_49518	scaffold399	NW_004515883.1	49518	TT	AA	AA	INTERGENIC		
SNP_47046B_72236	scaffold399	NW_004515883.1	72236	TT	CC	CC	INTERGENIC		
SNP_47047B_72247	scaffold399	NW_004515883.1	72247	CC	AA	AA	INTERGENIC		
SNP_47048B_74228	scaffold399	NW_004515883.1	74228	AA	CC	CC	INTERGENIC		
SNP_47049B_81810	scaffold399	NW_004515883.1	81810	AA	GG	GG	INTERGENIC		
SNP_47050B_82565	scaffold399	NW_004515883.1	82565	TT	AA	AA	INTERGENIC		
SNP_47051B_17170	scaffold400	NW_004515884.1	17170	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47052B_41693	scaffold400	NW_004515884.1	41693	TT	CC	CC	INTERGENIC		
SNP_47053B_41714	scaffold400	NW_004515884.1	41714	TT	CC	CC	INTERGENIC		
SNP_47054B_41718	scaffold400	NW_004515884.1	41718	CC	TT	TT	INTERGENIC		
SNP_47055B_41730	scaffold400	NW_004515884.1	41730	TT	CC	CC	INTERGENIC		
SNP_47056B_41800	scaffold400	NW_004515884.1	41800	AA	CC	CC	INTERGENIC		
SNP_47057B_41853	scaffold400	NW_004515884.1	41853	GG	AA	AA	INTERGENIC		
SNP_47058B_42027	scaffold400	NW_004515884.1	42027	GG	AA	AA	INTERGENIC		
SNP_47059B_42075	scaffold400	NW_004515884.1	42075	CC	AA	AA	INTERGENIC		
SNP_47060B_42090	scaffold400	NW_004515884.1	42090	AA	TT	TT	INTERGENIC		
SNP_47061B_42099	scaffold400	NW_004515884.1	42099	GG	AA	AA	INTERGENIC		
SNP_47062B_42101	scaffold400	NW_004515884.1	42101	CC	TT	TT	INTERGENIC		
SNP_47063B_42115	scaffold400	NW_004515884.1	42115	TT	CC	CC	INTERGENIC		
SNP_47064B_42184	scaffold400	NW_004515884.1	42184	AA	TT	TT	INTERGENIC		
SNP_47065B_42193	scaffold400	NW_004515884.1	42193	TT	AA	AA	INTERGENIC		
SNP_47066B_42194	scaffold400	NW_004515884.1	42194	AA	TT	TT	INTERGENIC		
SNP_47067B_42196	scaffold400	NW_004515884.1	42196	GG	CC	CC	INTERGENIC		
SNP_47068B_42255	scaffold400	NW_004515884.1	42255	GG	TT	TT	INTERGENIC		
SNP_47069B_42291	scaffold400	NW_004515884.1	42291	TT	CC	CC	INTERGENIC		
SNP_47070B_42373	scaffold400	NW_004515884.1	42373	TT	GG	GG	INTERGENIC		
SNP_47071B_42433	scaffold400	NW_004515884.1	42433	TT	CC	CC	INTERGENIC		
SNP_47072B_42441	scaffold400	NW_004515884.1	42441	AA	TT	TT	INTERGENIC		
SNP_47073B_42459	scaffold400	NW_004515884.1	42459	CC	TT	TT	INTERGENIC		
SNP_47074B_42503	scaffold400	NW_004515884.1	42503	TT	CC	CC	INTERGENIC		
SNP_47075B_42544	scaffold400	NW_004515884.1	42544	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47076B_42806	scaffold400	NW_004515884.1	42806	CC	TT	TT	INTERGENIC		
SNP_47077B_42846	scaffold400	NW_004515884.1	42846	TT	GG	GG	INTERGENIC		
SNP_47078B_43070	scaffold400	NW_004515884.1	43070	CC	GG	GG	INTERGENIC		
SNP_47079B_43238	scaffold400	NW_004515884.1	43238	CC	AA	AA	INTERGENIC		
SNP_47080B_43463	scaffold400	NW_004515884.1	43463	TT	AA	AA	INTERGENIC		
SNP_47081B_43529	scaffold400	NW_004515884.1	43529	CC	TT	TT	INTERGENIC		
SNP_47082B_43620	scaffold400	NW_004515884.1	43620	CC	TT	TT	INTERGENIC		
SNP_47083B_66610	scaffold400	NW_004515884.1	66610	AA	GG	GG	INTERGENIC		
SNP_47084B_81194	scaffold401	NW_004515885.1	81194	AA	GG	GG	INTERGENIC		
SNP_47085B_102072	scaffold401	NW_004515885.1	102072	GG	CC	CC	INTERGENIC		
SNP_47086B_102112	scaffold401	NW_004515885.1	102112	CC	AA	AA	INTERGENIC		
SNP_47087B_151228	scaffold401	NW_004515885.1	151228	GG	CC	CC	INTERGENIC		
SNP_47088B_166668	scaffold401	NW_004515885.1	166668	AA	GG	GG	INTERGENIC		
SNP_47089B_166924	scaffold401	NW_004515885.1	166924	TT	AA	AA	INTERGENIC		
SNP_47090B_167002	scaffold401	NW_004515885.1	167002	TT	CC	CC	INTERGENIC		
SNP_47091B_167073	scaffold401	NW_004515885.1	167073	AA	GG	GG	INTERGENIC		
SNP_47092B_167086	scaffold401	NW_004515885.1	167086	TT	GG	GG	INTERGENIC		
SNP_47093B_169029	scaffold401	NW_004515885.1	169029	AA	TT	TT	INTERGENIC		
SNP_47094B_169032	scaffold401	NW_004515885.1	169032	TT	GG	GG	INTERGENIC		
SNP_47095B_172151	scaffold401	NW_004515885.1	172151	CC	TT	TT	INTERGENIC		
SNP_47096B_172467	scaffold401	NW_004515885.1	172467	TT	CC	CC	INTERGENIC		
SNP_47097B_215463	scaffold401	NW_004515885.1	215463	TT	CC	CC	INTERGENIC		
SNP_47098B_2443	scaffold404	NW_004515886.1	2443	AA	CC	CC	INTERGENIC		
SNP_47099B_2667	scaffold404	NW_004515886.1	2667	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47100B_2727	scaffold404	NW_004515886.1	2727	AA	TT	TT	INTERGENIC		
SNP_47101B_2753	scaffold404	NW_004515886.1	2753	AA	CC	CC	INTERGENIC		
SNP_47102B_2830	scaffold404	NW_004515886.1	2830	AA	GG	GG	INTERGENIC		
SNP_47103B_6493	scaffold404	NW_004515886.1	6493	GG	CC	CC	INTERGENIC		
SNP_47105B_13110	scaffold404	NW_004515886.1	13110	AA	GG	GG	INTERGENIC		
SNP_47106B_14522	scaffold404	NW_004515886.1	14522	AA	TT	TT	INTERGENIC		
SNP_47107B_14532	scaffold404	NW_004515886.1	14532	CC	GG	GG	INTERGENIC		
SNP_47108B_15281	scaffold404	NW_004515886.1	15281	TT	AA	AA	INTERGENIC		
SNP_47109B_23775	scaffold404	NW_004515886.1	23775	GG	AA	AA	INTERGENIC		
SNP_47110B_23823	scaffold404	NW_004515886.1	23823	TT	AA	AA	INTERGENIC		
SNP_47111B_23830	scaffold404	NW_004515886.1	23830	CC	AA	AA	INTERGENIC		
SNP_47112B_24107	scaffold404	NW_004515886.1	24107	TT	AA	AA	INTERGENIC		
SNP_47113B_25500	scaffold404	NW_004515886.1	25500	CC	GG	GG	INTERGENIC		
SNP_47114B_25508	scaffold404	NW_004515886.1	25508	GG	AA	AA	INTERGENIC		
SNP_47115B_25612	scaffold404	NW_004515886.1	25612	CC	TT	TT	INTERGENIC		
SNP_47116B_25619	scaffold404	NW_004515886.1	25619	GG	AA	AA	INTERGENIC		
SNP_47117B_25667	scaffold404	NW_004515886.1	25667	TT	GG	GG	INTERGENIC		
SNP_47118B_25709	scaffold404	NW_004515886.1	25709	AA	GG	GG	INTERGENIC		
SNP_47119B_25840	scaffold404	NW_004515886.1	25840	TT	AA	AA	INTERGENIC		
SNP_47120B_25848	scaffold404	NW_004515886.1	25848	TT	GG	GG	INTERGENIC		
SNP_47121B_25849	scaffold404	NW_004515886.1	25849	AA	GG	GG	INTERGENIC		
SNP_47122B_25867	scaffold404	NW_004515886.1	25867	AA	GG	GG	INTERGENIC		
SNP_47123B_25909	scaffold404	NW_004515886.1	25909	TT	CC	CC	INTERGENIC		
SNP_47124B_25933	scaffold404	NW_004515886.1	25933	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47125B_25943	scaffold404	NW_004515886.1	25943	AA	GG	GG	INTERGENIC		
SNP_47126B_25978	scaffold404	NW_004515886.1	25978	TT	CC	CC	INTERGENIC		
SNP_47127B_26044	scaffold404	NW_004515886.1	26044	AA	CC	CC	INTERGENIC		
SNP_47128B_26074	scaffold404	NW_004515886.1	26074	TT	CC	CC	INTERGENIC		
SNP_47129B_43900	scaffold404	NW_004515886.1	43900	TT	CC	CC	INTERGENIC		
SNP_47130B_43902	scaffold404	NW_004515886.1	43902	GG	AA	AA	INTERGENIC		
SNP_47131B_44294	scaffold404	NW_004515886.1	44294	TT	CC	CC	INTERGENIC		
SNP_47132B_44412	scaffold404	NW_004515886.1	44412	GG	AA	AA	INTERGENIC		
SNP_47133B_44433	scaffold404	NW_004515886.1	44433	TT	CC	CC	INTERGENIC		
SNP_47134B_44791	scaffold404	NW_004515886.1	44791	CC	TT	TT	INTERGENIC		
SNP_47135B_44937	scaffold404	NW_004515886.1	44937	GG	TT	TT	INTERGENIC		
SNP_47136B_45145	scaffold404	NW_004515886.1	45145	TT	CC	CC	INTERGENIC		
SNP_47137B_63650	scaffold404	NW_004515886.1	63650	AA	CC	TT	INTERGENIC		
SNP_47138B_63960	scaffold404	NW_004515886.1	63960	AA	GG	GG	INTERGENIC		
SNP_47139B_64017	scaffold404	NW_004515886.1	64017	TT	AA	AA	INTERGENIC		
SNP_47140B_64260	scaffold404	NW_004515886.1	64260	AA	CC	CC	INTERGENIC		
SNP_47141B_64707	scaffold404	NW_004515886.1	64707	TT	AA	AA	INTERGENIC		
SNP_47142B_111637	scaffold404	NW_004515886.1	111637	TT	CC	CC	INTERGENIC		
SNP_47143B_119682	scaffold404	NW_004515886.1	119682	TT	GG	GG	INTERGENIC		
SNP_47144B_119693	scaffold404	NW_004515886.1	119693	TT	CC	CC	INTERGENIC		
SNP_47145B_119695	scaffold404	NW_004515886.1	119695	TT	CC	CC	INTERGENIC		
SNP_47146B_143549	scaffold404	NW_004515886.1	143549	TT	GG	GG	INTERGENIC		
SNP_47147B_143559	scaffold404	NW_004515886.1	143559	CC	TT	TT	INTERGENIC		
SNP_47148B_149879	scaffold404	NW_004515886.1	149879	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47149B_161379	scaffold404	NW_004515886.1	161379	AA	GG	GG	INTERGENIC		
SNP_47150B_161868	scaffold404	NW_004515886.1	161868	AA	GG	GG	INTERGENIC		
SNP_47151B_180599	scaffold404	NW_004515886.1	180599	GG	TT	TT	DRR	101496841	Unknown function
SNP_47152B_183911	scaffold404	NW_004515886.1	183911	GG	CC	CC	NON_SYNONYMOUS_CODING	101496841	Unknown function
SNP_47153B_183959	scaffold404	NW_004515886.1	183959	CC	TT	TT	NON_SYNONYMOUS_CODING	101496841	Unknown function
SNP_47154B_184064	scaffold404	NW_004515886.1	184064	GG	CC	CC	NON_SYNONYMOUS_CODING	101496841	Unknown function
SNP_47155B_184196	scaffold404	NW_004515886.1	184196	AA	GG	GG	URR	101496841	Unknown function
SNP_47156B_184308	scaffold404	NW_004515886.1	184308	TT	GG	GG	URR	101496841	Unknown function
SNP_47157B_184368	scaffold404	NW_004515886.1	184368	TT	CC	CC	URR	101496841	Unknown function
SNP_47158B_184393	scaffold404	NW_004515886.1	184393	TT	AA	AA	URR	101496841	Unknown function
SNP_47159B_184423	scaffold404	NW_004515886.1	184423	TT	CC	CC	URR	101496841	Unknown function
SNP_47160B_185699	scaffold404	NW_004515886.1	185699	AA	GG	GG	URR	101496841	Unknown function
SNP_47161B_185706	scaffold404	NW_004515886.1	185706	GG	CC	CC	URR	101496841	Unknown function
SNP_47162B_185765	scaffold404	NW_004515886.1	185765	AA	GG	GG	URR	101496841	Unknown function
SNP_47163B_185766	scaffold404	NW_004515886.1	185766	TT	CC	CC	URR	101496841	Unknown function
SNP_47164B_186050	scaffold404	NW_004515886.1	186050	CC	TT	TT	URR	101496841	Unknown function
SNP_47165B_186059	scaffold404	NW_004515886.1	186059	TT	CC	CC	URR	101496841	Unknown function
SNP_47167B_383883	scaffold404	NW_004515886.1	383883	AA	GG	GG	INTERGENIC		
SNP_47168B_383917	scaffold404	NW_004515886.1	383917	GG	TT	TT	INTERGENIC		
SNP_47169B_988	scaffold408	NW_004515887.1	988	AA	TT	TT	INTERGENIC		
SNP_47170B_1001	scaffold408	NW_004515887.1	1001	TT	CC	CC	INTERGENIC		
SNP_47171B_1195	scaffold408	NW_004515887.1	1195	TT	AA	AA	INTERGENIC		
SNP_47172B_1196	scaffold408	NW_004515887.1	1196	GG	TT	TT	INTERGENIC		
SNP_47173B_1446	scaffold408	NW_004515887.1	1446	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47174B_2527	scaffold408	NW_004515887.1	2527	GG	AA	AA	INTERGENIC		
SNP_47175B_2573	scaffold408	NW_004515887.1	2573	AA	CC	CC	INTERGENIC		
SNP_47176B_3043	scaffold408	NW_004515887.1	3043	GG	AA	AA	INTERGENIC		
SNP_47177B_3231	scaffold408	NW_004515887.1	3231	CC	AA	AA	INTERGENIC		
SNP_47178B_3542	scaffold408	NW_004515887.1	3542	TT	CC	CC	INTERGENIC		
SNP_47180B_3615	scaffold408	NW_004515887.1	3615	CC	AA	AA	INTERGENIC		
SNP_47181B_12211	scaffold408	NW_004515887.1	12211	CC	GG	GG	INTERGENIC		
SNP_47182B_12448	scaffold408	NW_004515887.1	12448	TT	AA	AA	INTERGENIC		
SNP_47183B_12475	scaffold408	NW_004515887.1	12475	GG	AA	AA	INTERGENIC		
SNP_47184B_12490	scaffold408	NW_004515887.1	12490	GG	AA	AA	INTERGENIC		
SNP_47185B_12613	scaffold408	NW_004515887.1	12613	TT	AA	AA	INTERGENIC		
SNP_47186B_12706	scaffold408	NW_004515887.1	12706	CC	TT	TT	INTERGENIC		
SNP_47187B_20483	scaffold408	NW_004515887.1	20483	GG	CC	CC	INTERGENIC		
SNP_47188B_20490	scaffold408	NW_004515887.1	20490	CC	TT	TT	INTERGENIC		
SNP_47189B_20533	scaffold408	NW_004515887.1	20533	AA	TT	TT	INTERGENIC		
SNP_47190B_20880	scaffold408	NW_004515887.1	20880	CC	TT	TT	INTERGENIC		
SNP_47191B_20940	scaffold408	NW_004515887.1	20940	AA	GG	GG	INTERGENIC		
SNP_47192B_21200	scaffold408	NW_004515887.1	21200	AA	GG	GG	INTERGENIC		
SNP_47193B_21203	scaffold408	NW_004515887.1	21203	AA	TT	TT	INTERGENIC		
SNP_47194B_21302	scaffold408	NW_004515887.1	21302	TT	AA	AA	INTERGENIC		
SNP_47195B_21323	scaffold408	NW_004515887.1	21323	AA	GG	GG	INTERGENIC		
SNP_47197B_51031	scaffold408	NW_004515887.1	51031	AA	GG	GG	INTERGENIC		
SNP_47198B_84403	scaffold408	NW_004515887.1	84403	TT	GG	GG	INTERGENIC		
SNP_47199B_84413	scaffold408	NW_004515887.1	84413	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47200B_84481	scaffold408	NW_004515887.1	84481	AA	GG	GG	INTERGENIC		
SNP_47201B_84702	scaffold408	NW_004515887.1	84702	AA	CC	CC	INTERGENIC		
SNP_47202B_84715	scaffold408	NW_004515887.1	84715	TT	CC	CC	INTERGENIC		
SNP_47203B_84864	scaffold408	NW_004515887.1	84864	TT	GG	GG	INTERGENIC		
SNP_47204B_87158	scaffold408	NW_004515887.1	87158	GG	TT	TT	INTERGENIC		
SNP_47205B_92543	scaffold408	NW_004515887.1	92543	TT	CC	CC	INTERGENIC		
SNP_47206B_130476	scaffold408	NW_004515887.1	130476	TT	CC	CC	INTRON	101498148	cucumisin-like
SNP_47209B_131049	scaffold408	NW_004515887.1	131049	GG	AA	AA	INTRON	101498148	cucumisin-like
SNP_47210B_131124	scaffold408	NW_004515887.1	131124	GG	AA	AA	INTRON	101498148	cucumisin-like
SNP_47211B_131161	scaffold408	NW_004515887.1	131161	AA	TT	TT	INTRON	101498148	cucumisin-like
SNP_47212B_131180	scaffold408	NW_004515887.1	131180	AA	GG	GG	INTRON	101498148	cucumisin-like
SNP_47213B_131272	scaffold408	NW_004515887.1	131272	TT	AA	AA	INTRON	101498148	cucumisin-like
SNP_47214B_131308	scaffold408	NW_004515887.1	131308	AA	TT	TT	INTRON	101498148	cucumisin-like
SNP_47215B_131370	scaffold408	NW_004515887.1	131370	GG	AA	AA	INTRON	101498148	cucumisin-like
SNP_47216B_131371	scaffold408	NW_004515887.1	131371	CC	TT	TT	INTRON	101498148	cucumisin-like
SNP_47217B_131372	scaffold408	NW_004515887.1	131372	GG	CC	CC	INTRON	101498148	cucumisin-like
SNP_47218B_131376	scaffold408	NW_004515887.1	131376	TT	GG	GG	INTRON	101498148	cucumisin-like
SNP_47219B_131379	scaffold408	NW_004515887.1	131379	CC	TT	TT	INTRON	101498148	cucumisin-like
SNP_47220B_2573	scaffold409	NW_004515888.1	2573	TT	CC	CC	INTERGENIC		
SNP_47221B_2604	scaffold409	NW_004515888.1	2604	CC	TT	TT	INTERGENIC		
SNP_47223B_2630	scaffold409	NW_004515888.1	2630	TT	CC	CC	INTERGENIC		
SNP_47224B_2631	scaffold409	NW_004515888.1	2631	CC	AA	AA	INTERGENIC		
SNP_47225B_2673	scaffold409	NW_004515888.1	2673	GG	AA	AA	INTERGENIC		
SNP_47226B_34728	scaffold409	NW_004515888.1	34728	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47227B_34730	scaffold409	NW_004515888.1	34730	TT	GG	GG	INTERGENIC		
SNP_47228B_36840	scaffold409	NW_004515888.1	36840	CC	AA	AA	INTERGENIC		
SNP_47229B_36882	scaffold409	NW_004515888.1	36882	TT	AA	AA	INTERGENIC		
SNP_47230B_41661	scaffold411	NW_004515889.1	41661	GG	AA	AA	INTERGENIC		
SNP_47231B_41671	scaffold411	NW_004515889.1	41671	CC	TT	TT	INTERGENIC		
SNP_47232B_41679	scaffold411	NW_004515889.1	41679	GG	AA	AA	INTERGENIC		
SNP_47233B_41686	scaffold411	NW_004515889.1	41686	TT	CC	CC	INTERGENIC		
SNP_47234B_41687	scaffold411	NW_004515889.1	41687	AA	GG	GG	INTERGENIC		
SNP_47235B_41694	scaffold411	NW_004515889.1	41694	AA	GG	GG	INTERGENIC		
SNP_47236B_41703	scaffold411	NW_004515889.1	41703	GG	AA	AA	INTERGENIC		
SNP_47237B_41705	scaffold411	NW_004515889.1	41705	TT	AA	AA	INTERGENIC		
SNP_47238B_42664	scaffold411	NW_004515889.1	42664	GG	AA	AA	INTERGENIC		
SNP_47239B_42714	scaffold411	NW_004515889.1	42714	TT	CC	CC	INTERGENIC		
SNP_47240B_42753	scaffold411	NW_004515889.1	42753	TT	GG	GG	INTERGENIC		
SNP_47241B_43191	scaffold411	NW_004515889.1	43191	TT	GG	GG	INTERGENIC		
SNP_47242B_73658	scaffold411	NW_004515889.1	73658	GG	AA	AA	INTERGENIC		
SNP_47243B_73664	scaffold411	NW_004515889.1	73664	AA	TT	TT	INTERGENIC		
SNP_47244B_74036	scaffold411	NW_004515889.1	74036	AA	TT	TT	INTERGENIC		
SNP_47245B_74091	scaffold411	NW_004515889.1	74091	GG	AA	AA	INTERGENIC		
SNP_47246B_123365	scaffold411	NW_004515889.1	123365	CC	TT	TT	INTERGENIC		
SNP_47247B_123397	scaffold411	NW_004515889.1	123397	AA	GG	GG	INTERGENIC		
SNP_47248B_123463	scaffold411	NW_004515889.1	123463	GG	CC	CC	INTERGENIC		
SNP_47249B_124422	scaffold411	NW_004515889.1	124422	CC	AA	AA	INTERGENIC		
SNP_47250B_124491	scaffold411	NW_004515889.1	124491	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47251B_125407	scaffold411	NW_004515889.1	125407	CC	AA	AA	INTERGENIC		
SNP_47252B_125430	scaffold411	NW_004515889.1	125430	AA	CC	CC	INTERGENIC		
SNP_47253B_230913	scaffold411	NW_004515889.1	230913	TT	GG	GG	INTERGENIC		
SNP_47254B_231481	scaffold411	NW_004515889.1	231481	TT	CC	CC	INTERGENIC		
SNP_47255B_231671	scaffold411	NW_004515889.1	231671	TT	GG	GG	INTERGENIC		
SNP_47256B_231677	scaffold411	NW_004515889.1	231677	AA	GG	GG	INTERGENIC		
SNP_47257B_231680	scaffold411	NW_004515889.1	231680	AA	GG	GG	INTERGENIC		
SNP_47258B_231897	scaffold411	NW_004515889.1	231897	AA	GG	GG	INTERGENIC		
SNP_47259B_259308	scaffold411	NW_004515889.1	259308	TT	CC	CC	INTRON	101500724	sugar transporter ERD6-like
SNP_47260B_282156	scaffold411	NW_004515889.1	282156	GG	TT	TT	INTERGENIC		
SNP_47261B_298109	scaffold411	NW_004515889.1	298109	AA	CC	CC	INTERGENIC		
SNP_47262B_298120	scaffold411	NW_004515889.1	298120	GG	CC	CC	INTERGENIC		
SNP_47263B_298443	scaffold411	NW_004515889.1	298443	GG	AA	AA	INTERGENIC		
SNP_47265B_298529	scaffold411	NW_004515889.1	298529	TT	CC	CC	INTERGENIC		
SNP_47266B_298615	scaffold411	NW_004515889.1	298615	CC	GG	GG	INTERGENIC		
SNP_47267B_308765	scaffold411	NW_004515889.1	308765	AA	GG	GG	INTERGENIC		
SNP_47268B_308782	scaffold411	NW_004515889.1	308782	AA	GG	GG	INTERGENIC		
SNP_47269B_323140	scaffold411	NW_004515889.1	323140	TT	GG	GG	URR	101501353	Unknown function
SNP_47270B_330057	scaffold411	NW_004515889.1	330057	AA	TT	TT	INTRON	101501674	uncharacterized LOC101501674
SNP_47271B_334311	scaffold411	NW_004515889.1	334311	TT	CC	CC	URR	101501674	uncharacterized LOC101501674
SNP_47272B_334524	scaffold411	NW_004515889.1	334524	TT	CC	CC	URR	101501674	uncharacterized LOC101501674
SNP_47273B_335195	scaffold411	NW_004515889.1	335195	AA	TT	TT	URR	101501674	uncharacterized LOC101501674
SNP_47274B_335376	scaffold411	NW_004515889.1	335376	TT	AA	AA	URR	101501674	uncharacterized LOC101501674
SNP_47275B_336425	scaffold411	NW_004515889.1	336425	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47276B_369200	scaffold411	NW_004515889.1	369200	GG	AA	AA	INTERGENIC		
SNP_47277B_369239	scaffold411	NW_004515889.1	369239	GG	AA	AA	INTERGENIC		
SNP_47278B_369366	scaffold411	NW_004515889.1	369366	AA	GG	GG	INTERGENIC		
SNP_47279B_377587	scaffold411	NW_004515889.1	377587	CC	TT	TT	INTERGENIC		
SNP_47280B_377884	scaffold411	NW_004515889.1	377884	TT	CC	CC	INTERGENIC		
SNP_47281B_377942	scaffold411	NW_004515889.1	377942	TT	CC	CC	INTERGENIC		
SNP_47282B_436537	scaffold411	NW_004515889.1	436537	CC	GG	GG	INTERGENIC		
SNP_47283B_4915	scaffold413	NW_004515890.1	4915	GG	AA	AA	INTERGENIC		
SNP_47284B_6122	scaffold413	NW_004515890.1	6122	AA	CC	CC	INTERGENIC		
SNP_47285B_6509	scaffold413	NW_004515890.1	6509	AA	GG	GG	INTERGENIC		
SNP_47286B_7185	scaffold413	NW_004515890.1	7185	GG	CC	CC	INTERGENIC		
SNP_47287B_7362	scaffold413	NW_004515890.1	7362	CC	GG	GG	INTERGENIC		
SNP_47288B_7377	scaffold413	NW_004515890.1	7377	TT	CC	CC	INTERGENIC		
SNP_47289B_7454	scaffold413	NW_004515890.1	7454	GG	AA	AA	INTERGENIC		
SNP_47290B_7482	scaffold413	NW_004515890.1	7482	TT	CC	CC	INTERGENIC		
SNP_47291B_7721	scaffold413	NW_004515890.1	7721	TT	CC	CC	INTERGENIC		
SNP_47292B_5334	scaffold414	NW_004515891.1	5334	AA	TT	TT	INTERGENIC		
SNP_47293B_5363	scaffold414	NW_004515891.1	5363	GG	TT	TT	INTERGENIC		
SNP_47294B_5501	scaffold414	NW_004515891.1	5501	GG	AA	AA	INTERGENIC		
SNP_47295B_5513	scaffold414	NW_004515891.1	5513	GG	TT	TT	INTERGENIC		
SNP_47296B_5660	scaffold414	NW_004515891.1	5660	AA	CC	CC	INTERGENIC		
SNP_47297B_6783	scaffold414	NW_004515891.1	6783	TT	AA	AA	INTERGENIC		
SNP_47298B_6785	scaffold414	NW_004515891.1	6785	AA	GG	GG	INTERGENIC		
SNP_47299B_6787	scaffold414	NW_004515891.1	6787	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47300B_6790	scaffold414	NW_004515891.1	6790	TT	AA	AA	INTERGENIC		
SNP_47301B_6792	scaffold414	NW_004515891.1	6792	TT	AA	AA	INTERGENIC		
SNP_47302B_6795	scaffold414	NW_004515891.1	6795	TT	AA	AA	INTERGENIC		
SNP_47303B_6797	scaffold414	NW_004515891.1	6797	CC	TT	TT	INTERGENIC		
SNP_47304B_6799	scaffold414	NW_004515891.1	6799	TT	AA	AA	INTERGENIC		
SNP_47305B_7055	scaffold414	NW_004515891.1	7055	TT	CC	CC	INTERGENIC		
SNP_47306B_8747	scaffold414	NW_004515891.1	8747	TT	GG	GG	INTERGENIC		
SNP_47307B_17573	scaffold414	NW_004515891.1	17573	TT	CC	CC	INTERGENIC		
SNP_47309B_22233	scaffold414	NW_004515891.1	22233	TT	CC	CC	INTERGENIC		
SNP_47310B_22252	scaffold414	NW_004515891.1	22252	CC	AA	AA	INTERGENIC		
SNP_47311B_22268	scaffold414	NW_004515891.1	22268	GG	TT	TT	INTERGENIC		
SNP_47312B_22270	scaffold414	NW_004515891.1	22270	AA	TT	TT	INTERGENIC		
SNP_47313B_22428	scaffold414	NW_004515891.1	22428	GG	AA	AA	INTERGENIC		
SNP_47314B_53470	scaffold414	NW_004515891.1	53470	TT	CC	CC	INTERGENIC		
SNP_47315B_53866	scaffold414	NW_004515891.1	53866	GG	AA	AA	INTERGENIC		
SNP_47316B_53988	scaffold414	NW_004515891.1	53988	AA	GG	GG	INTERGENIC		
SNP_47317B_631	scaffold415	NW_004515892.1	631	GG	AA	AA	INTERGENIC		
SNP_47318B_993	scaffold415	NW_004515892.1	993	TT	CC	CC	INTERGENIC		
SNP_47319B_1041	scaffold415	NW_004515892.1	1041	GG	AA	AA	INTERGENIC		
SNP_47320B_9372	scaffold415	NW_004515892.1	9372	AA	CC	CC	INTERGENIC		
SNP_47321B_9385	scaffold415	NW_004515892.1	9385	AA	GG	GG	INTERGENIC		
SNP_47322B_9634	scaffold415	NW_004515892.1	9634	AA	TT	TT	INTERGENIC		
SNP_47325B_9659	scaffold418	NW_004515893.1	9659	GG	CC	CC	INTERGENIC		
SNP_47326B_9660	scaffold418	NW_004515893.1	9660	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47327B_9724	scaffold418	NW_004515893.1	9724	CC	AA	AA	INTERGENIC		
SNP_47328B_10060	scaffold418	NW_004515893.1	10060	AA	TT	TT	INTERGENIC		
SNP_47329B_32173	scaffold418	NW_004515893.1	32173	AA	CC	CC	URR	101502629	uncharacterized LOC101502629
SNP_47330B_50487	scaffold418	NW_004515893.1	50487	TT	AA	AA	INTRON	101505976	salicylic acid-binding protein 2-like
SNP_47331B_81786	scaffold418	NW_004515893.1	81786	CC	TT	TT	URR	101505000	pentatricopeptide repeat-containing protein At1g09900-like
SNP_47332B_81787	scaffold418	NW_004515893.1	81787	CC	GG	GG	URR	101505000	pentatricopeptide repeat-containing protein At1g09900-like
SNP_47333B_82022	scaffold418	NW_004515893.1	82022	CC	TT	TT	URR	101505000	pentatricopeptide repeat-containing protein At1g09900-like
SNP_47334B_82343	scaffold418	NW_004515893.1	82343	TT	CC	CC	URR	101505000	pentatricopeptide repeat-containing protein At1g09900-like
SNP_47335B_82367	scaffold418	NW_004515893.1	82367	TT	CC	CC	URR	101505000	pentatricopeptide repeat-containing protein At1g09900-like
SNP_47336B_82546	scaffold418	NW_004515893.1	82546	TT	AA	AA	URR	101505000	pentatricopeptide repeat-containing protein At1g09900-like
SNP_47337B_82652	scaffold418	NW_004515893.1	82652	AA	GG	GG	URR	101505000	pentatricopeptide repeat-containing protein At1g09900-like
SNP_47338B_82794	scaffold418	NW_004515893.1	82794	GG	TT	TT	URR	101505000	pentatricopeptide repeat-containing protein At1g09900-like
SNP_47339B_82802	scaffold418	NW_004515893.1	82802	TT	CC	CC	URR	101505000	pentatricopeptide repeat-containing protein At1g09900-like
SNP_47340B_82863	scaffold418	NW_004515893.1	82863	AA	CC	CC	URR	101505000	pentatricopeptide repeat-containing protein At1g09900-like
SNP_47341B_83127	scaffold418	NW_004515893.1	83127	AA	GG	GG	URR	101505000	pentatricopeptide repeat-containing protein At1g09900-like
SNP_47342B_83163	scaffold418	NW_004515893.1	83163	TT	CC	CC	URR	101505000	pentatricopeptide repeat-containing protein At1g09900-like
SNP_47343B_83179	scaffold418	NW_004515893.1	83179	AA	CC	CC	URR	101505000	pentatricopeptide repeat-containing protein At1g09900-like
SNP_47344B_83195	scaffold418	NW_004515893.1	83195	AA	GG	GG	URR	101505000	pentatricopeptide repeat-containing protein At1g09900-like
SNP_47345B_83230	scaffold418	NW_004515893.1	83230	TT	CC	CC	URR	101505000	pentatricopeptide repeat-containing protein At1g09900-like
SNP_47346B_136032	scaffold418	NW_004515893.1	136032	GG	AA	AA	DRR	101505316	pentatricopeptide repeat-containing protein At1g62670, mitochondrial-like
SNP_47347B_138167	scaffold418	NW_004515893.1	138167	CC	GG	GG	URR	101506939	alpha-galactosidase-like
SNP_47348B_138307	scaffold418	NW_004515893.1	138307	TT	CC	CC	URR	101506939	alpha-galactosidase-like
SNP_47351B_148591	scaffold419	NW_004515894.1	148591	CC	TT	TT	DRR	101508319	Golgi SNAP receptor complex member 1-2-like
SNP_47353B_219681	scaffold419	NW_004515894.1	219681	AA	TT	TT	INTRON	101510233	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47354B_219694	scaffold419	NW_004515894.1	219694	CC	TT	TT	INTRON	101510233	Unknown function
SNP_47355B_239879	scaffold419	NW_004515894.1	239879	GG	AA	AA	INTRON	101510233	Unknown function
SNP_47356B_239880	scaffold419	NW_004515894.1	239880	TT	AA	AA	INTRON	101510233	Unknown function
SNP_47357B_340990	scaffold419	NW_004515894.1	340990	GG	TT	TT	INTERGENIC		
SNP_47358B_8630	scaffold420	NW_004515895.1	8630	AA	TT	TT	INTRON	id200727	Unknown function
SNP_47359B_15712	scaffold420	NW_004515895.1	15712	GG	AA	AA	INTERGENIC		
SNP_47360B_64660	scaffold420	NW_004515895.1	64660	TT	GG	GG	URR	101490031	uncharacterized LOC101490031
SNP_47362B_69678	scaffold420	NW_004515895.1	69678	GG	TT	TT	INTERGENIC		
SNP_47363B_69690	scaffold420	NW_004515895.1	69690	CC	TT	TT	INTERGENIC		
SNP_47364B_69786	scaffold420	NW_004515895.1	69786	AA	GG	GG	INTERGENIC		
SNP_47365B_70035	scaffold420	NW_004515895.1	70035	TT	GG	GG	INTERGENIC		
SNP_47366B_78464	scaffold420	NW_004515895.1	78464	TT	GG	GG	INTERGENIC		
SNP_47367B_78777	scaffold420	NW_004515895.1	78777	AA	GG	GG	INTERGENIC		
SNP_47368B_87896	scaffold420	NW_004515895.1	87896	TT	AA	AA	INTERGENIC		
SNP_47369B_87993	scaffold420	NW_004515895.1	87993	CC	TT	TT	INTERGENIC		
SNP_47370B_92812	scaffold420	NW_004515895.1	92812	GG	CC	CC	INTERGENIC		
SNP_47371B_211051	scaffold420	NW_004515895.1	211051	GG	TT	TT	URR	101490372	uncharacterized LOC101490372
SNP_47372B_249376	scaffold420	NW_004515895.1	249376	TT	CC	CC	INTERGENIC		
SNP_47373B_249710	scaffold420	NW_004515895.1	249710	TT	CC	CC	INTERGENIC		
SNP_47374B_249829	scaffold420	NW_004515895.1	249829	AA	GG	GG	INTERGENIC		
SNP_47376B_266376	scaffold420	NW_004515895.1	266376	CC	GG	GG	INTRON	101490695	Unknown function
SNP_47377B_266401	scaffold420	NW_004515895.1	266401	AA	CC	CC	INTRON	101490695	Unknown function
SNP_47378B_266407	scaffold420	NW_004515895.1	266407	AA	GG	GG	INTRON	101490695	Unknown function
SNP_47379B_266572	scaffold420	NW_004515895.1	266572	TT	GG	GG	INTRON	101490695	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47380B_266680	scaffold420	NW_004515895.1	266680	CC	AA	AA	INTRON	101490695	Unknown function
SNP_47381B_266772	scaffold420	NW_004515895.1	266772	GG	TT	TT	INTRON	101490695	Unknown function
SNP_47382B_324411	scaffold420	NW_004515895.1	324411	TT	GG	GG	INTERGENIC		
SNP_47383B_324438	scaffold420	NW_004515895.1	324438	TT	CC	CC	INTERGENIC		
SNP_47384B_324484	scaffold420	NW_004515895.1	324484	AA	CC	CC	INTERGENIC		
SNP_47385B_324523	scaffold420	NW_004515895.1	324523	AA	GG	GG	INTERGENIC		
SNP_47386B_324530	scaffold420	NW_004515895.1	324530	TT	CC	CC	INTERGENIC		
SNP_47387B_324616	scaffold420	NW_004515895.1	324616	AA	GG	GG	INTERGENIC		
SNP_47388B_324631	scaffold420	NW_004515895.1	324631	TT	AA	AA	INTERGENIC		
SNP_47389B_324662	scaffold420	NW_004515895.1	324662	TT	CC	CC	INTERGENIC		
SNP_47390B_324713	scaffold420	NW_004515895.1	324713	AA	GG	GG	INTERGENIC		
SNP_47391B_324872	scaffold420	NW_004515895.1	324872	AA	GG	GG	INTERGENIC		
SNP_47393B_45620	scaffold421_2	NW_004515896.1	45620	TT	AA	AA	INTERGENIC		
SNP_47394B_45857	scaffold421_2	NW_004515896.1	45857	AA	CC	CC	INTERGENIC		
SNP_47395B_149868	scaffold421_2	NW_004515896.1	149868	TT	CC	CC	INTERGENIC		
SNP_47396B_162679	scaffold421_2	NW_004515896.1	162679	TT	CC	CC	INTERGENIC		
SNP_47397B_165179	scaffold421_2	NW_004515896.1	165179	AA	GG	GG	INTERGENIC		
SNP_47398B_165187	scaffold421_2	NW_004515896.1	165187	TT	GG	GG	INTERGENIC		
SNP_47399B_249638	scaffold421_2	NW_004515896.1	249638	CC	TT	TT	INTERGENIC		
SNP_47400B_249715	scaffold421_2	NW_004515896.1	249715	CC	TT	TT	INTERGENIC		
SNP_47401B_249738	scaffold421_2	NW_004515896.1	249738	GG	AA	AA	INTERGENIC		
SNP_47402B_249740	scaffold421_2	NW_004515896.1	249740	TT	CC	CC	INTERGENIC		
SNP_47403B_249830	scaffold421_2	NW_004515896.1	249830	TT	CC	CC	INTERGENIC		
SNP_47404B_249849	scaffold421_2	NW_004515896.1	249849	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47405B_249853	scaffold421_2	NW_004515896.1	249853	TT	CC	CC	INTERGENIC		
SNP_47406B_249871	scaffold421_2	NW_004515896.1	249871	TT	CC	CC	INTERGENIC		
SNP_47407B_249872	scaffold421_2	NW_004515896.1	249872	AA	GG	GG	INTERGENIC		
SNP_47408B_249911	scaffold421_2	NW_004515896.1	249911	TT	GG	GG	INTERGENIC		
SNP_47409B_249958	scaffold421_2	NW_004515896.1	249958	AA	GG	GG	INTERGENIC		
SNP_47410B_249969	scaffold421_2	NW_004515896.1	249969	AA	GG	GG	INTERGENIC		
SNP_47411B_274821	scaffold421_2	NW_004515896.1	274821	TT	CC	CC	INTERGENIC		
SNP_47412B_274852	scaffold421_2	NW_004515896.1	274852	GG	AA	AA	INTERGENIC		
SNP_47413B_275252	scaffold421_2	NW_004515896.1	275252	AA	GG	GG	INTERGENIC		
SNP_47414B_275273	scaffold421_2	NW_004515896.1	275273	GG	TT	TT	INTERGENIC		
SNP_47415B_275328	scaffold421_2	NW_004515896.1	275328	TT	CC	CC	INTERGENIC		
SNP_47416B_323165	scaffold421_2	NW_004515896.1	323165	TT	GG	GG	URR	101493497	Unknown function
SNP_47417B_323553	scaffold421_2	NW_004515896.1	323553	AA	GG	GG	URR	101493497	Unknown function
SNP_47418B_350173	scaffold421_2	NW_004515896.1	350173	AA	GG	GG	INTERGENIC		
SNP_47419B_355031	scaffold421_2	NW_004515896.1	355031	GG	AA	AA	INTERGENIC		
SNP_47420B_397757	scaffold421_2	NW_004515896.1	397757	TT	GG	GG	INTERGENIC		
SNP_47421B_421654	scaffold421_2	NW_004515896.1	421654	CC	AA	AA	INTERGENIC		
SNP_47422B_447754	scaffold421_2	NW_004515896.1	447754	GG	AA	AA	INTERGENIC		
SNP_47423B_447986	scaffold421_2	NW_004515896.1	447986	CC	AA	AA	INTERGENIC		
SNP_47424B_455690	scaffold421_2	NW_004515896.1	455690	AA	GG	GG	INTERGENIC		
SNP_47426B_456068	scaffold421_2	NW_004515896.1	456068	AA	TT	TT	INTERGENIC		
SNP_47427B_462450	scaffold421_2	NW_004515896.1	462450	AA	TT	TT	INTERGENIC		
SNP_47428B_465639	scaffold421_2	NW_004515896.1	465639	AA	GG	GG	INTERGENIC		
SNP_47429B_468925	scaffold421_2	NW_004515896.1	468925	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47430B_488781	scaffold421_2	NW_004515896.1	488781	CC	TT	TT	INTERGENIC		
SNP_47431B_501599	scaffold421_2	NW_004515896.1	501599	TT	GG	GG	INTERGENIC		
SNP_47432B_501630	scaffold421_2	NW_004515896.1	501630	TT	CC	CC	INTERGENIC		
SNP_47434B_571933	scaffold421_2	NW_004515896.1	571933	CC	AA	AA	INTERGENIC		
SNP_47435B_581410	scaffold421_2	NW_004515896.1	581410	TT	CC	CC	INTERGENIC		
SNP_47436B_581782	scaffold421_2	NW_004515896.1	581782	GG	AA	AA	INTERGENIC		
SNP_47437B_581794	scaffold421_2	NW_004515896.1	581794	AA	CC	CC	INTERGENIC		
SNP_47438B_581884	scaffold421_2	NW_004515896.1	581884	AA	TT	TT	INTERGENIC		
SNP_47439B_581961	scaffold421_2	NW_004515896.1	581961	GG	AA	AA	INTERGENIC		
SNP_47440B_581970	scaffold421_2	NW_004515896.1	581970	CC	AA	AA	INTERGENIC		
SNP_47441B_582146	scaffold421_2	NW_004515896.1	582146	CC	AA	AA	INTERGENIC		
SNP_47442B_583132	scaffold421_2	NW_004515896.1	583132	CC	TT	TT	INTERGENIC		
SNP_47443B_583134	scaffold421_2	NW_004515896.1	583134	TT	CC	CC	INTERGENIC		
SNP_47444B_597864	scaffold421_2	NW_004515896.1	597864	TT	CC	CC	INTERGENIC		
SNP_47445B_597883	scaffold421_2	NW_004515896.1	597883	AA	TT	TT	INTERGENIC		
SNP_47446B_597904	scaffold421_2	NW_004515896.1	597904	TT	AA	AA	INTERGENIC		
SNP_47447B_284	scaffold421_1	NW_004515897.1	284	AA	CC	CC	INTERGENIC		
SNP_47448B_2616	scaffold421_1	NW_004515897.1	2616	GG	AA	AA	INTERGENIC		
SNP_47450B_2945	scaffold421_1	NW_004515897.1	2945	GG	CC	CC	INTERGENIC		
SNP_47451B_3012	scaffold421_1	NW_004515897.1	3012	CC	AA	AA	INTERGENIC		
SNP_47452B_3033	scaffold421_1	NW_004515897.1	3033	CC	TT	TT	INTERGENIC		
SNP_47453B_3227	scaffold421_1	NW_004515897.1	3227	GG	AA	AA	INTERGENIC		
SNP_47454B_3290	scaffold421_1	NW_004515897.1	3290	CC	GG	GG	INTERGENIC		
SNP_47456B_4529	scaffold421_1	NW_004515897.1	4529	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47457B_4641	scaffold421_1	NW_004515897.1	4641	CC	TT	TT	INTERGENIC		
SNP_47458B_4929	scaffold421_1	NW_004515897.1	4929	GG	AA	AA	INTERGENIC		
SNP_47459B_6328	scaffold421_1	NW_004515897.1	6328	CC	TT	TT	INTERGENIC		
SNP_47460B_18035	scaffold421_1	NW_004515897.1	18035	CC	TT	TT	URR	101494447	protein GDAP2 homolog
SNP_47461B_79208	scaffold421_1	NW_004515897.1	79208	CC	TT	TT	SYNONYMOUS_CODING	101496942	probable protein S-acyltransferase 22
SNP_47462B_97196	scaffold421_1	NW_004515897.1	97196	GG	AA	AA	INTERGENIC		
SNP_47463B_98647	scaffold421_1	NW_004515897.1	98647	AA	GG	GG	INTERGENIC		
SNP_47464B_98652	scaffold421_1	NW_004515897.1	98652	AA	CC	CC	INTERGENIC		
SNP_47465B_98653	scaffold421_1	NW_004515897.1	98653	TT	AA	AA	INTERGENIC		
SNP_47467B_16988	scaffold423	NW_004515898.1	16988	AA	GG	GG	INTERGENIC		
SNP_47468B_17000	scaffold423	NW_004515898.1	17000	AA	TT	TT	INTERGENIC		
SNP_47469B_17027	scaffold423	NW_004515898.1	17027	AA	TT	TT	INTERGENIC		
SNP_47470B_17322	scaffold423	NW_004515898.1	17322	TT	CC	CC	INTERGENIC		
SNP_47471B_15238	scaffold424	NW_004515899.1	15238	AA	GG	GG	INTERGENIC		
SNP_47472B_19150	scaffold424	NW_004515899.1	19150	TT	CC	CC	INTERGENIC		
SNP_47473B_30231	scaffold424	NW_004515899.1	30231	TT	CC	CC	INTERGENIC		
SNP_47474B_40714	scaffold424	NW_004515899.1	40714	GG	CC	CC	URR	101498150	Unknown function
SNP_47475B_40945	scaffold424	NW_004515899.1	40945	TT	AA	AA	INTERGENIC		
SNP_47476B_40951	scaffold424	NW_004515899.1	40951	TT	AA	AA	INTERGENIC		
SNP_47477B_41004	scaffold424	NW_004515899.1	41004	GG	AA	AA	INTERGENIC		
SNP_47478B_44740	scaffold424	NW_004515899.1	44740	AA	TT	TT	INTERGENIC		
SNP_47479B_44741	scaffold424	NW_004515899.1	44741	AA	CC	CC	INTERGENIC		
SNP_47480B_61225	scaffold424	NW_004515899.1	61225	TT	CC	CC	INTERGENIC		
SNP_47481B_63593	scaffold424	NW_004515899.1	63593	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47482B_88778	scaffold424	NW_004515899.1	88778	TT	AA	AA	INTERGENIC		
SNP_47483B_88819	scaffold424	NW_004515899.1	88819	AA	CC	CC	INTERGENIC		
SNP_47484B_90467	scaffold424	NW_004515899.1	90467	AA	TT	TT	INTERGENIC		
SNP_47485B_92161	scaffold424	NW_004515899.1	92161	CC	AA	AA	INTERGENIC		
SNP_47486B_92298	scaffold424	NW_004515899.1	92298	TT	CC	CC	INTERGENIC		
SNP_47487B_104192	scaffold424	NW_004515899.1	104192	AA	GG	GG	INTERGENIC		
SNP_47488B_104331	scaffold424	NW_004515899.1	104331	CC	AA	AA	INTERGENIC		
SNP_47489B_104356	scaffold424	NW_004515899.1	104356	CC	GG	GG	INTERGENIC		
SNP_47490B_104393	scaffold424	NW_004515899.1	104393	TT	CC	CC	INTERGENIC		
SNP_47491B_104530	scaffold424	NW_004515899.1	104530	TT	GG	GG	INTERGENIC		
SNP_47492B_106500	scaffold424	NW_004515899.1	106500	AA	GG	GG	INTERGENIC		
SNP_47493B_109344	scaffold424	NW_004515899.1	109344	AA	TT	TT	INTERGENIC		
SNP_47494B_112399	scaffold424	NW_004515899.1	112399	TT	GG	GG	INTERGENIC		
SNP_47495B_112472	scaffold424	NW_004515899.1	112472	AA	TT	TT	INTERGENIC		
SNP_47496B_112702	scaffold424	NW_004515899.1	112702	CC	GG	GG	INTERGENIC		
SNP_47497B_113207	scaffold424	NW_004515899.1	113207	CC	GG	GG	INTERGENIC		
SNP_47498B_113228	scaffold424	NW_004515899.1	113228	TT	AA	AA	INTERGENIC		
SNP_47499B_115342	scaffold424	NW_004515899.1	115342	AA	GG	GG	NON_SYNONYMOUS_CODING	101498371	ATP-dependent RNA helicase glh-2-like
SNP_47500B_124326	scaffold424	NW_004515899.1	124326	TT	GG	GG	INTERGENIC		
SNP_47501B_124394	scaffold424	NW_004515899.1	124394	AA	TT	TT	INTERGENIC		
SNP_47502B_502	scaffold425	NW_004515900.1	502	TT	CC	CC	INTERGENIC		
SNP_47503B_690	scaffold425	NW_004515900.1	690	CC	TT	TT	INTERGENIC		
SNP_47504B_695	scaffold425	NW_004515900.1	695	TT	GG	GG	INTERGENIC		
SNP_47505B_717	scaffold425	NW_004515900.1	717	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47506B_755	scaffold425	NW_004515900.1	755	AA	CC	CC	INTERGENIC		
SNP_47507B_796	scaffold425	NW_004515900.1	796	CC	AA	AA	INTERGENIC		
SNP_47508B_15736	scaffold427	NW_004515901.1	15736	CC	AA	AA	INTRON	101498712	uncharacterized LOC101498712
SNP_47509B_15755	scaffold427	NW_004515901.1	15755	GG	TT	TT	INTRON	101498712	uncharacterized LOC101498712
SNP_47510B_15968	scaffold427	NW_004515901.1	15968	TT	AA	AA	INTRON	101498712	uncharacterized LOC101498712
SNP_47511B_16060	scaffold427	NW_004515901.1	16060	TT	AA	AA	INTRON	101498712	uncharacterized LOC101498712
SNP_47512B_16097	scaffold427	NW_004515901.1	16097	AA	TT	TT	INTRON	101498712	uncharacterized LOC101498712
SNP_47513B_72475	scaffold427	NW_004515901.1	72475	GG	AA	AA	INTERGENIC		
SNP_47514B_82747	scaffold427	NW_004515901.1	82747	TT	CC	CC	INTERGENIC		
SNP_47515B_83070	scaffold427	NW_004515901.1	83070	CC	GG	GG	INTERGENIC		
SNP_47516B_83133	scaffold427	NW_004515901.1	83133	TT	AA	AA	INTERGENIC		
SNP_47517B_83661	scaffold427	NW_004515901.1	83661	TT	AA	AA	INTERGENIC		
SNP_47518B_105107	scaffold427	NW_004515901.1	105107	AA	TT	TT	INTERGENIC		
SNP_47519B_105113	scaffold427	NW_004515901.1	105113	AA	TT	TT	INTERGENIC		
SNP_47521B_105124	scaffold427	NW_004515901.1	105124	CC	AA	AA	INTERGENIC		
SNP_47522B_121860	scaffold427	NW_004515901.1	121860	GG	CC	CC	INTERGENIC		
SNP_47524B_19963	scaffold428	NW_004515902.1	19963	AA	GG	GG	INTERGENIC		
SNP_47525B_391	scaffold429	NW_004515903.1	391	CC	TT	TT	INTERGENIC		
SNP_47526B_393	scaffold429	NW_004515903.1	393	TT	CC	CC	INTERGENIC		
SNP_47527B_410	scaffold429	NW_004515903.1	410	CC	AA	AA	INTERGENIC		
SNP_47528B_497	scaffold429	NW_004515903.1	497	GG	CC	CC	INTERGENIC		
SNP_47529B_2846	scaffold429	NW_004515903.1	2846	TT	AA	AA	INTERGENIC		
SNP_47530B_8222	scaffold429	NW_004515903.1	8222	AA	GG	GG	INTERGENIC		
SNP_47531B_8262	scaffold429	NW_004515903.1	8262	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47532B_8317	scaffold429	NW_004515903.1	8317	GG	AA	AA	INTERGENIC		
SNP_47533B_8343	scaffold429	NW_004515903.1	8343	AA	GG	GG	INTERGENIC		
SNP_47534B_8405	scaffold429	NW_004515903.1	8405	AA	TT	TT	INTERGENIC		
SNP_47535B_8422	scaffold429	NW_004515903.1	8422	AA	TT	TT	INTERGENIC		
SNP_47536B_8459	scaffold429	NW_004515903.1	8459	AA	TT	TT	INTERGENIC		
SNP_47537B_8478	scaffold429	NW_004515903.1	8478	CC	AA	AA	INTERGENIC		
SNP_47538B_8577	scaffold429	NW_004515903.1	8577	CC	GG	GG	INTERGENIC		
SNP_47539B_8583	scaffold429	NW_004515903.1	8583	AA	GG	GG	INTERGENIC		
SNP_47540B_8628	scaffold429	NW_004515903.1	8628	TT	CC	CC	INTERGENIC		
SNP_47541B_8826	scaffold429	NW_004515903.1	8826	GG	CC	CC	INTERGENIC		
SNP_47542B_9025	scaffold429	NW_004515903.1	9025	GG	TT	TT	INTERGENIC		
SNP_47543B_9031	scaffold429	NW_004515903.1	9031	GG	AA	AA	INTERGENIC		
SNP_47544B_9119	scaffold429	NW_004515903.1	9119	TT	GG	GG	INTERGENIC		
SNP_47545B_9120	scaffold429	NW_004515903.1	9120	TT	AA	AA	INTERGENIC		
SNP_47546B_9319	scaffold429	NW_004515903.1	9319	TT	GG	GG	INTERGENIC		
SNP_47547B_9320	scaffold429	NW_004515903.1	9320	TT	AA	AA	INTERGENIC		
SNP_47548B_9615	scaffold429	NW_004515903.1	9615	TT	GG	GG	INTERGENIC		
SNP_47549B_15472	scaffold429	NW_004515903.1	15472	TT	CC	CC	INTERGENIC		
SNP_47550B_15519	scaffold429	NW_004515903.1	15519	CC	TT	TT	INTERGENIC		
SNP_47551B_15703	scaffold429	NW_004515903.1	15703	AA	GG	GG	INTERGENIC		
SNP_47552B_15709	scaffold429	NW_004515903.1	15709	TT	GG	GG	INTERGENIC		
SNP_47553B_15752	scaffold429	NW_004515903.1	15752	AA	GG	GG	INTERGENIC		
SNP_47554B_15772	scaffold429	NW_004515903.1	15772	CC	TT	TT	INTERGENIC		
SNP_47555B_28697	scaffold429	NW_004515903.1	28697	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47556B_29245	scaffold429	NW_004515903.1	29245	CC	TT	TT	INTERGENIC		
SNP_47557B_29257	scaffold429	NW_004515903.1	29257	GG	CC	CC	INTERGENIC		
SNP_47558B_29376	scaffold429	NW_004515903.1	29376	GG	TT	TT	INTERGENIC		
SNP_47559B_29389	scaffold429	NW_004515903.1	29389	TT	CC	CC	INTERGENIC		
SNP_47560B_29529	scaffold429	NW_004515903.1	29529	CC	AA	AA	INTERGENIC		
SNP_47561B_29552	scaffold429	NW_004515903.1	29552	AA	GG	GG	INTERGENIC		
SNP_47562B_29554	scaffold429	NW_004515903.1	29554	TT	CC	CC	INTERGENIC		
SNP_47563B_29610	scaffold429	NW_004515903.1	29610	TT	CC	CC	INTERGENIC		
SNP_47564B_29640	scaffold429	NW_004515903.1	29640	TT	AA	AA	INTERGENIC		
SNP_47565B_29755	scaffold429	NW_004515903.1	29755	AA	TT	TT	INTERGENIC		
SNP_47566B_31422	scaffold429	NW_004515903.1	31422	GG	AA	AA	INTERGENIC		
SNP_47567B_41653	scaffold429	NW_004515903.1	41653	AA	GG	GG	INTERGENIC		
SNP_47568B_48016	scaffold429	NW_004515903.1	48016	CC	AA	AA	INTERGENIC		
SNP_47569B_59384	scaffold429	NW_004515903.1	59384	AA	GG	GG	INTERGENIC		
SNP_47570B_59394	scaffold429	NW_004515903.1	59394	GG	TT	TT	INTERGENIC		
SNP_47571B_67088	scaffold429	NW_004515903.1	67088	AA	CC	CC	INTERGENIC		
SNP_47572B_67095	scaffold429	NW_004515903.1	67095	AA	TT	TT	INTERGENIC		
SNP_47573B_69048	scaffold429	NW_004515903.1	69048	AA	GG	GG	INTERGENIC		
SNP_47574B_69273	scaffold429	NW_004515903.1	69273	TT	CC	CC	INTERGENIC		
SNP_47575B_69352	scaffold429	NW_004515903.1	69352	AA	CC	CC	INTERGENIC		
SNP_47576B_69771	scaffold429	NW_004515903.1	69771	TT	CC	CC	INTERGENIC		
SNP_47577B_69781	scaffold429	NW_004515903.1	69781	AA	TT	TT	INTERGENIC		
SNP_47578B_69789	scaffold429	NW_004515903.1	69789	TT	AA	AA	INTERGENIC		
SNP_47579B_69792	scaffold429	NW_004515903.1	69792	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47581B_72563	scaffold429	NW_004515903.1	72563	GG	AA	AA	INTERGENIC		
SNP_47582B_72568	scaffold429	NW_004515903.1	72568	TT	CC	CC	INTERGENIC		
SNP_47583B_78480	scaffold429	NW_004515903.1	78480	GG	AA	AA	INTERGENIC		
SNP_47584B_82363	scaffold429	NW_004515903.1	82363	AA	GG	GG	INTERGENIC		
SNP_47585B_96300	scaffold429	NW_004515903.1	96300	TT	GG	GG	INTERGENIC		
SNP_47586B_96638	scaffold429	NW_004515903.1	96638	TT	AA	AA	INTERGENIC		
SNP_47587B_96690	scaffold429	NW_004515903.1	96690	TT	CC	CC	INTERGENIC		
SNP_47588B_96700	scaffold429	NW_004515903.1	96700	GG	AA	AA	INTERGENIC		
SNP_47589B_96712	scaffold429	NW_004515903.1	96712	TT	AA	CC	INTERGENIC		
SNP_47590B_96754	scaffold429	NW_004515903.1	96754	AA	GG	GG	INTERGENIC		
SNP_47591B_96779	scaffold429	NW_004515903.1	96779	TT	CC	CC	INTERGENIC		
SNP_47592B_96811	scaffold429	NW_004515903.1	96811	AA	GG	GG	INTERGENIC		
SNP_47593B_117301	scaffold429	NW_004515903.1	117301	TT	AA	AA	INTERGENIC		
SNP_47594B_128834	scaffold429	NW_004515903.1	128834	GG	CC	CC	INTERGENIC		
SNP_47595B_128851	scaffold429	NW_004515903.1	128851	TT	AA	AA	INTERGENIC		
SNP_47596B_129086	scaffold429	NW_004515903.1	129086	AA	TT	TT	INTERGENIC		
SNP_47597B_129153	scaffold429	NW_004515903.1	129153	CC	TT	TT	INTERGENIC		
SNP_47598B_129215	scaffold429	NW_004515903.1	129215	TT	GG	GG	INTERGENIC		
SNP_47599B_131869	scaffold429	NW_004515903.1	131869	AA	TT	TT	INTERGENIC		
SNP_47600B_141631	scaffold429	NW_004515903.1	141631	CC	AA	AA	INTERGENIC		
SNP_47601B_141644	scaffold429	NW_004515903.1	141644	GG	AA	AA	INTERGENIC		
SNP_47602B_149076	scaffold429	NW_004515903.1	149076	TT	CC	CC	INTERGENIC		
SNP_47603B_149128	scaffold429	NW_004515903.1	149128	CC	TT	TT	INTERGENIC		
SNP_47604B_176612	scaffold429	NW_004515903.1	176612	AA	GG	GG	INTRON	101499348	uncharacterized LOC101499348

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47605B_178991	scaffold429	NW_004515903.1	178991	CC	AA	AA	NON_SYNONYMOUS_CODING	101499348	uncharacterized LOC101499348
SNP_47607B_181400	scaffold429	NW_004515903.1	181400	TT	GG	GG	INTERGENIC		
SNP_47608B_181411	scaffold429	NW_004515903.1	181411	AA	GG	GG	INTERGENIC		
SNP_47609B_181433	scaffold429	NW_004515903.1	181433	AA	GG	GG	INTERGENIC		
SNP_47610B_181500	scaffold429	NW_004515903.1	181500	AA	GG	GG	INTERGENIC		
SNP_47611B_181805	scaffold429	NW_004515903.1	181805	GG	AA	AA	INTERGENIC		
SNP_47612B_686	scaffold430	NW_004515904.1	686	AA	GG	GG	INTERGENIC		
SNP_47613B_2399	scaffold432	NW_004515905.1	2399	TT	CC	CC	INTERGENIC		
SNP_47614B_2669	scaffold432	NW_004515905.1	2669	GG	AA	AA	INTERGENIC		
SNP_47615B_2737	scaffold432	NW_004515905.1	2737	TT	CC	CC	INTERGENIC		
SNP_47616B_4423	scaffold432	NW_004515905.1	4423	AA	TT	TT	INTERGENIC		
SNP_47617B_4766	scaffold432	NW_004515905.1	4766	AA	CC	CC	INTERGENIC		
SNP_47618B_10716	scaffold432	NW_004515905.1	10716	GG	AA	AA	INTERGENIC		
SNP_47619B_16019	scaffold432	NW_004515905.1	16019	CC	TT	TT	INTERGENIC		
SNP_47620B_16039	scaffold432	NW_004515905.1	16039	TT	AA	AA	INTERGENIC		
SNP_47621B_16063	scaffold432	NW_004515905.1	16063	AA	GG	GG	INTERGENIC		
SNP_47622B_16077	scaffold432	NW_004515905.1	16077	CC	TT	TT	INTERGENIC		
SNP_47623B_16142	scaffold432	NW_004515905.1	16142	AA	TT	TT	INTERGENIC		
SNP_47624B_16332	scaffold432	NW_004515905.1	16332	GG	AA	AA	INTERGENIC		
SNP_47625B_16352	scaffold432	NW_004515905.1	16352	TT	AA	AA	INTERGENIC		
SNP_47626B_16395	scaffold432	NW_004515905.1	16395	GG	AA	AA	INTERGENIC		
SNP_47627B_16926	scaffold432	NW_004515905.1	16926	TT	CC	CC	INTERGENIC		
SNP_47628B_17736	scaffold432	NW_004515905.1	17736	AA	GG	GG	INTERGENIC		
SNP_47629B_17835	scaffold432	NW_004515905.1	17835	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47630B_17884	scaffold432	NW_004515905.1	17884	AA	TT	TT	INTERGENIC		
SNP_47631B_17908	scaffold432	NW_004515905.1	17908	AA	CC	CC	INTERGENIC		
SNP_47632B_17987	scaffold432	NW_004515905.1	17987	GG	AA	AA	INTERGENIC		
SNP_47633B_18085	scaffold432	NW_004515905.1	18085	AA	TT	TT	INTERGENIC		
SNP_47634B_18112	scaffold432	NW_004515905.1	18112	CC	TT	TT	INTERGENIC		
SNP_47635B_18642	scaffold432	NW_004515905.1	18642	TT	GG	GG	INTERGENIC		
SNP_47636B_5016	scaffold433	NW_004515906.1	5016	TT	CC	CC	INTERGENIC		
SNP_47637B_12226	scaffold433	NW_004515906.1	12226	CC	TT	TT	INTERGENIC		
SNP_47638B_12401	scaffold433	NW_004515906.1	12401	AA	GG	GG	INTERGENIC		
SNP_47639B_17252	scaffold433	NW_004515906.1	17252	CC	GG	GG	INTERGENIC		
SNP_47640B_22651	scaffold433	NW_004515906.1	22651	AA	GG	GG	INTERGENIC		
SNP_47641B_29088	scaffold433	NW_004515906.1	29088	GG	AA	AA	INTERGENIC		
SNP_47642B_29095	scaffold433	NW_004515906.1	29095	TT	CC	CC	INTERGENIC		
SNP_47643B_29106	scaffold433	NW_004515906.1	29106	TT	AA	AA	INTERGENIC		
SNP_47644B_29111	scaffold433	NW_004515906.1	29111	AA	GG	GG	INTERGENIC		
SNP_47645B_29170	scaffold433	NW_004515906.1	29170	TT	AA	AA	INTERGENIC		
SNP_47646B_29194	scaffold433	NW_004515906.1	29194	TT	CC	CC	INTERGENIC		
SNP_47647B_29199	scaffold433	NW_004515906.1	29199	CC	TT	TT	INTERGENIC		
SNP_47648B_29205	scaffold433	NW_004515906.1	29205	AA	TT	TT	INTERGENIC		
SNP_47649B_29222	scaffold433	NW_004515906.1	29222	CC	GG	GG	INTERGENIC		
SNP_47650B_29263	scaffold433	NW_004515906.1	29263	AA	TT	TT	INTERGENIC		
SNP_47651B_29347	scaffold433	NW_004515906.1	29347	AA	GG	GG	INTERGENIC		
SNP_47652B_36044	scaffold433	NW_004515906.1	36044	AA	GG	GG	INTERGENIC		
SNP_47653B_36072	scaffold433	NW_004515906.1	36072	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47654B_36086	scaffold433	NW_004515906.1	36086	GG	AA	AA	INTERGENIC		
SNP_47655B_36179	scaffold433	NW_004515906.1	36179	CC	AA	AA	INTERGENIC		
SNP_47656B_56368	scaffold433	NW_004515906.1	56368	AA	CC	CC	INTERGENIC		
SNP_47658B_86242	scaffold433	NW_004515906.1	86242	AA	GG	GG	INTERGENIC		
SNP_47660B_86401	scaffold433	NW_004515906.1	86401	AA	TT	TT	INTERGENIC		
SNP_47661B_88822	scaffold433	NW_004515906.1	88822	CC	GG	GG	INTERGENIC		
SNP_47662B_106751	scaffold433	NW_004515906.1	106751	TT	CC	CC	INTERGENIC		
SNP_47663B_113790	scaffold433	NW_004515906.1	113790	TT	CC	CC	INTERGENIC		
SNP_47664B_116379	scaffold433	NW_004515906.1	116379	CC	TT	TT	INTERGENIC		
SNP_47665B_127206	scaffold433	NW_004515906.1	127206	AA	GG	GG	INTERGENIC		
SNP_47666B_130096	scaffold433	NW_004515906.1	130096	AA	GG	GG	INTERGENIC		
SNP_47667B_132808	scaffold433	NW_004515906.1	132808	CC	AA	AA	INTERGENIC		
SNP_47668B_132815	scaffold433	NW_004515906.1	132815	GG	TT	TT	INTERGENIC		
SNP_47669B_132817	scaffold433	NW_004515906.1	132817	GG	CC	CC	INTERGENIC		
SNP_47670B_132865	scaffold433	NW_004515906.1	132865	GG	AA	AA	INTERGENIC		
SNP_47672B_142727	scaffold433	NW_004515906.1	142727	GG	TT	TT	INTERGENIC		
SNP_47673B_142744	scaffold433	NW_004515906.1	142744	TT	CC	CC	INTERGENIC		
SNP_47674B_146451	scaffold433	NW_004515906.1	146451	AA	TT	TT	INTERGENIC		
SNP_47675B_146777	scaffold433	NW_004515906.1	146777	CC	TT	TT	INTERGENIC		
SNP_47677B_147298	scaffold433	NW_004515906.1	147298	AA	CC	CC	INTERGENIC		
SNP_47678B_148608	scaffold433	NW_004515906.1	148608	TT	CC	CC	INTERGENIC		
SNP_47679B_148963	scaffold433	NW_004515906.1	148963	AA	GG	GG	INTERGENIC		
SNP_47680B_148982	scaffold433	NW_004515906.1	148982	AA	GG	GG	INTERGENIC		
SNP_47682B_150791	scaffold433	NW_004515906.1	150791	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47683B_151164	scaffold433	NW_004515906.1	151164	TT	CC	CC	INTERGENIC		
SNP_47684B_151709	scaffold433	NW_004515906.1	151709	GG	AA	AA	INTERGENIC		
SNP_47685B_151715	scaffold433	NW_004515906.1	151715	AA	GG	GG	INTERGENIC		
SNP_47686B_151736	scaffold433	NW_004515906.1	151736	GG	AA	AA	INTERGENIC		
SNP_47687B_151740	scaffold433	NW_004515906.1	151740	TT	CC	CC	INTERGENIC		
SNP_47688B_151741	scaffold433	NW_004515906.1	151741	CC	TT	TT	INTERGENIC		
SNP_47689B_152091	scaffold433	NW_004515906.1	152091	CC	TT	TT	INTERGENIC		
SNP_47690B_152212	scaffold433	NW_004515906.1	152212	AA	GG	GG	INTERGENIC		
SNP_47691B_152244	scaffold433	NW_004515906.1	152244	GG	TT	TT	INTERGENIC		
SNP_47692B_152427	scaffold433	NW_004515906.1	152427	GG	AA	AA	INTERGENIC		
SNP_47693B_152505	scaffold433	NW_004515906.1	152505	AA	GG	GG	INTERGENIC		
SNP_47694B_155186	scaffold433	NW_004515906.1	155186	TT	GG	GG	INTERGENIC		
SNP_47695B_155246	scaffold433	NW_004515906.1	155246	CC	TT	TT	INTERGENIC		
SNP_47696B_155394	scaffold433	NW_004515906.1	155394	AA	CC	CC	INTERGENIC		
SNP_47697B_155405	scaffold433	NW_004515906.1	155405	AA	GG	GG	INTERGENIC		
SNP_47698B_155414	scaffold433	NW_004515906.1	155414	CC	GG	GG	INTERGENIC		
SNP_47699B_155432	scaffold433	NW_004515906.1	155432	CC	TT	TT	INTERGENIC		
SNP_47700B_157391	scaffold433	NW_004515906.1	157391	CC	AA	AA	INTERGENIC		
SNP_47701B_157514	scaffold433	NW_004515906.1	157514	TT	CC	CC	INTERGENIC		
SNP_47702B_157529	scaffold433	NW_004515906.1	157529	CC	GG	GG	INTERGENIC		
SNP_47704B_157730	scaffold433	NW_004515906.1	157730	AA	CC	CC	INTERGENIC		
SNP_47705B_158035	scaffold433	NW_004515906.1	158035	AA	CC	CC	INTERGENIC		
SNP_47706B_158112	scaffold433	NW_004515906.1	158112	GG	AA	AA	INTERGENIC		
SNP_47707B_158206	scaffold433	NW_004515906.1	158206	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47708B_158633	scaffold433	NW_004515906.1	158633	TT	AA	AA	INTERGENIC		
SNP_47710B_160048	scaffold433	NW_004515906.1	160048	CC	GG	GG	INTERGENIC		
SNP_47711B_161434	scaffold433	NW_004515906.1	161434	GG	AA	AA	INTERGENIC		
SNP_47712B_161513	scaffold433	NW_004515906.1	161513	CC	AA	AA	INTERGENIC		
SNP_47713B_161610	scaffold433	NW_004515906.1	161610	GG	AA	AA	INTERGENIC		
SNP_47714B_162012	scaffold433	NW_004515906.1	162012	CC	TT	TT	INTERGENIC		
SNP_47715B_162252	scaffold433	NW_004515906.1	162252	TT	CC	CC	INTERGENIC		
SNP_47716B_165765	scaffold433	NW_004515906.1	165765	AA	CC	CC	INTERGENIC		
SNP_47717B_165935	scaffold433	NW_004515906.1	165935	GG	CC	CC	INTERGENIC		
SNP_47719B_165985	scaffold433	NW_004515906.1	165985	GG	AA	AA	INTERGENIC		
SNP_47720B_166179	scaffold433	NW_004515906.1	166179	CC	TT	TT	INTERGENIC		
SNP_47721B_166516	scaffold433	NW_004515906.1	166516	AA	CC	CC	INTERGENIC		
SNP_47722B_166595	scaffold433	NW_004515906.1	166595	CC	TT	TT	INTERGENIC		
SNP_47723B_166739	scaffold433	NW_004515906.1	166739	GG	AA	AA	INTERGENIC		
SNP_47724B_166798	scaffold433	NW_004515906.1	166798	GG	TT	TT	INTERGENIC		
SNP_47725B_166823	scaffold433	NW_004515906.1	166823	TT	CC	CC	INTERGENIC		
SNP_47726B_166860	scaffold433	NW_004515906.1	166860	AA	TT	TT	INTERGENIC		
SNP_47727B_168975	scaffold433	NW_004515906.1	168975	AA	GG	GG	INTERGENIC		
SNP_47728B_169253	scaffold433	NW_004515906.1	169253	CC	AA	AA	INTERGENIC		
SNP_47729B_169461	scaffold433	NW_004515906.1	169461	AA	GG	GG	INTERGENIC		
SNP_47731B_169505	scaffold433	NW_004515906.1	169505	GG	AA	AA	INTERGENIC		
SNP_47732B_169519	scaffold433	NW_004515906.1	169519	TT	CC	CC	INTERGENIC		
SNP_47733B_1910	scaffold435	NW_004515908.1	1910	GG	AA	AA	INTERGENIC		
SNP_47734B_6072	scaffold435	NW_004515908.1	6072	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47735B_36641	scaffold435	NW_004515908.1	36641	CC	TT	TT	INTERGENIC		
SNP_47736B_40898	scaffold435	NW_004515908.1	40898	AA	GG	GG	INTERGENIC		
SNP_47737B_76315	scaffold435	NW_004515908.1	76315	CC	TT	TT	INTERGENIC		
SNP_47738B_109050	scaffold435	NW_004515908.1	109050	TT	CC	CC	INTERGENIC		
SNP_47739B_109064	scaffold435	NW_004515908.1	109064	CC	TT	TT	INTERGENIC		
SNP_47740B_109127	scaffold435	NW_004515908.1	109127	TT	CC	CC	INTERGENIC		
SNP_47741B_109387	scaffold435	NW_004515908.1	109387	CC	AA	AA	INTERGENIC		
SNP_47742B_109426	scaffold435	NW_004515908.1	109426	TT	CC	CC	INTERGENIC		
SNP_47743B_109438	scaffold435	NW_004515908.1	109438	CC	AA	AA	INTERGENIC		
SNP_47744B_109503	scaffold435	NW_004515908.1	109503	CC	AA	AA	INTERGENIC		
SNP_47745B_1260	scaffold436	NW_004515909.1	1260	TT	AA	AA	INTERGENIC		
SNP_47746B_2290	scaffold436	NW_004515909.1	2290	GG	TT	TT	INTERGENIC		
SNP_47747B_2302	scaffold436	NW_004515909.1	2302	AA	TT	TT	INTERGENIC		
SNP_47748B_2311	scaffold436	NW_004515909.1	2311	AA	TT	TT	INTERGENIC		
SNP_47749B_2314	scaffold436	NW_004515909.1	2314	AA	TT	TT	INTERGENIC		
SNP_47750B_2363	scaffold436	NW_004515909.1	2363	GG	AA	AA	INTERGENIC		
SNP_47751B_2431	scaffold436	NW_004515909.1	2431	TT	CC	CC	INTERGENIC		
SNP_47752B_2697	scaffold436	NW_004515909.1	2697	AA	TT	TT	INTERGENIC		
SNP_47753B_4498	scaffold436	NW_004515909.1	4498	AA	TT	TT	INTERGENIC		
SNP_47754B_4507	scaffold436	NW_004515909.1	4507	GG	AA	AA	INTERGENIC		
SNP_47755B_5591	scaffold436	NW_004515909.1	5591	AA	TT	TT	INTERGENIC		
SNP_47756B_6066	scaffold436	NW_004515909.1	6066	TT	AA	AA	INTERGENIC		
SNP_47757B_9910	scaffold436	NW_004515909.1	9910	TT	AA	AA	INTERGENIC		
SNP_47758B_9938	scaffold436	NW_004515909.1	9938	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47759B_10241	scaffold436	NW_004515909.1	10241	AA	GG	GG	INTERGENIC		
SNP_47760B_19862	scaffold436	NW_004515909.1	19862	GG	AA	AA	INTERGENIC		
SNP_47761B_20165	scaffold436	NW_004515909.1	20165	AA	TT	TT	INTERGENIC		
SNP_47762B_35324	scaffold436	NW_004515909.1	35324	TT	CC	CC	INTERGENIC		
SNP_47763B_38060	scaffold436	NW_004515909.1	38060	GG	AA	AA	INTERGENIC		
SNP_47766B_67153	scaffold436	NW_004515909.1	67153	GG	AA	AA	INTERGENIC		
SNP_47768B_73971	scaffold436	NW_004515909.1	73971	CC	TT	TT	INTERGENIC		
SNP_47769B_74019	scaffold436	NW_004515909.1	74019	CC	TT	TT	INTERGENIC		
SNP_47770B_74072	scaffold436	NW_004515909.1	74072	GG	AA	AA	INTERGENIC		
SNP_47771B_74081	scaffold436	NW_004515909.1	74081	TT	AA	AA	INTERGENIC		
SNP_47772B_74355	scaffold436	NW_004515909.1	74355	CC	AA	AA	INTERGENIC		
SNP_47773B_4090	scaffold437	NW_004515910.1	4090	TT	AA	AA	INTRON	101501575	extensin-like
SNP_47774B_4101	scaffold437	NW_004515910.1	4101	TT	AA	AA	INTRON	101501575	extensin-like
SNP_47775B_4103	scaffold437	NW_004515910.1	4103	TT	CC	CC	INTRON	101501575	extensin-like
SNP_47776B_4119	scaffold437	NW_004515910.1	4119	TT	CC	CC	SPLICE_SITE_REGION	101501575	extensin-like
SNP_47777B_4525	scaffold437	NW_004515910.1	4525	TT	GG	GG	URR	101501575	extensin-like
SNP_47778B_4640	scaffold437	NW_004515910.1	4640	AA	CC	CC	URR	101501575	extensin-like
SNP_47779B_4688	scaffold437	NW_004515910.1	4688	TT	CC	CC	URR	101501575	extensin-like
SNP_47780B_4758	scaffold437	NW_004515910.1	4758	AA	GG	GG	URR	101501575	extensin-like
SNP_47781B_4767	scaffold437	NW_004515910.1	4767	CC	GG	GG	URR	101501575	extensin-like
SNP_47782B_4801	scaffold437	NW_004515910.1	4801	CC	AA	AA	URR	101501575	extensin-like
SNP_47783B_15134	scaffold437	NW_004515910.1	15134	CC	GG	GG	INTERGENIC		
SNP_47784B_21131	scaffold437	NW_004515910.1	21131	AA	GG	GG	DRR	101502213	extensin-like
SNP_47785B_26615	scaffold437	NW_004515910.1	26615	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47786B_26616	scaffold437	NW_004515910.1	26616	AA	CC	CC	INTERGENIC		
SNP_47787B_27208	scaffold437	NW_004515910.1	27208	GG	AA	AA	INTERGENIC		
SNP_47788B_28236	scaffold437	NW_004515910.1	28236	TT	AA	AA	INTERGENIC		
SNP_47789B_28280	scaffold437	NW_004515910.1	28280	TT	AA	AA	INTERGENIC		
SNP_47790B_28283	scaffold437	NW_004515910.1	28283	TT	AA	AA	INTERGENIC		
SNP_47791B_28295	scaffold437	NW_004515910.1	28295	AA	GG	GG	INTERGENIC		
SNP_47792B_28331	scaffold437	NW_004515910.1	28331	AA	GG	GG	INTERGENIC		
SNP_47793B_30934	scaffold437	NW_004515910.1	30934	AA	TT	TT	INTERGENIC		
SNP_47794B_34868	scaffold437	NW_004515910.1	34868	CC	AA	AA	INTERGENIC		
SNP_47795B_34869	scaffold437	NW_004515910.1	34869	AA	TT	TT	INTERGENIC		
SNP_47796B_34870	scaffold437	NW_004515910.1	34870	TT	AA	AA	INTERGENIC		
SNP_47797B_34926	scaffold437	NW_004515910.1	34926	GG	AA	AA	INTERGENIC		
SNP_47798B_34962	scaffold437	NW_004515910.1	34962	TT	CC	CC	INTERGENIC		
SNP_47799B_34963	scaffold437	NW_004515910.1	34963	CC	AA	AA	INTERGENIC		
SNP_47800B_34986	scaffold437	NW_004515910.1	34986	TT	CC	CC	INTERGENIC		
SNP_47801B_35033	scaffold437	NW_004515910.1	35033	CC	TT	TT	INTERGENIC		
SNP_47802B_35090	scaffold437	NW_004515910.1	35090	AA	GG	GG	INTERGENIC		
SNP_47803B_35202	scaffold437	NW_004515910.1	35202	TT	CC	CC	INTERGENIC		
SNP_47804B_35665	scaffold437	NW_004515910.1	35665	AA	CC	CC	INTERGENIC		
SNP_47805B_35693	scaffold437	NW_004515910.1	35693	AA	TT	TT	INTERGENIC		
SNP_47806B_35742	scaffold437	NW_004515910.1	35742	TT	AA	AA	INTERGENIC		
SNP_47807B_35759	scaffold437	NW_004515910.1	35759	CC	TT	TT	INTERGENIC		
SNP_47808B_35763	scaffold437	NW_004515910.1	35763	TT	CC	CC	INTERGENIC		
SNP_47809B_45212	scaffold437	NW_004515910.1	45212	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47811B_50625	scaffold437	NW_004515910.1	50625	AA	GG	GG	INTERGENIC		
SNP_47812B_50648	scaffold437	NW_004515910.1	50648	CC	TT	TT	INTERGENIC		
SNP_47813B_50649	scaffold437	NW_004515910.1	50649	AA	TT	TT	INTERGENIC		
SNP_47814B_50655	scaffold437	NW_004515910.1	50655	AA	CC	CC	INTERGENIC		
SNP_47815B_52276	scaffold437	NW_004515910.1	52276	GG	AA	AA	INTERGENIC		
SNP_47816B_57241	scaffold437	NW_004515910.1	57241	AA	CC	CC	INTERGENIC		
SNP_47817B_57246	scaffold437	NW_004515910.1	57246	TT	CC	CC	INTERGENIC		
SNP_47818B_60389	scaffold437	NW_004515910.1	60389	AA	CC	CC	INTERGENIC		
SNP_47819B_60494	scaffold437	NW_004515910.1	60494	TT	AA	AA	INTERGENIC		
SNP_47820B_60497	scaffold437	NW_004515910.1	60497	GG	AA	AA	INTERGENIC		
SNP_47821B_63475	scaffold437	NW_004515910.1	63475	CC	AA	AA	DRR	101502535	extensin-like
SNP_47822B_70252	scaffold437	NW_004515910.1	70252	AA	TT	TT	INTRON	101502535	extensin-like
SNP_47823B_70352	scaffold437	NW_004515910.1	70352	TT	CC	CC	INTRON	101502535	extensin-like
SNP_47824B_72340	scaffold437	NW_004515910.1	72340	CC	TT	TT	INTRON	101502535	extensin-like
SNP_47826B_932	scaffold438	NW_004515911.1	932	TT	GG	GG	INTERGENIC		
SNP_47827B_1633	scaffold438	NW_004515911.1	1633	AA	GG	GG	INTERGENIC		
SNP_47828B_1639	scaffold438	NW_004515911.1	1639	TT	CC	CC	INTERGENIC		
SNP_47829B_1657	scaffold438	NW_004515911.1	1657	GG	AA	AA	INTERGENIC		
SNP_47830B_1669	scaffold438	NW_004515911.1	1669	AA	GG	GG	INTERGENIC		
SNP_47831B_1789	scaffold438	NW_004515911.1	1789	AA	GG	GG	INTERGENIC		
SNP_47832B_1855	scaffold438	NW_004515911.1	1855	CC	TT	TT	INTERGENIC		
SNP_47833B_1870	scaffold438	NW_004515911.1	1870	GG	TT	TT	INTERGENIC		
SNP_47834B_1969	scaffold438	NW_004515911.1	1969	AA	GG	GG	INTERGENIC		
SNP_47835B_3693	scaffold438	NW_004515911.1	3693	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47836B_3726	scaffold438	NW_004515911.1	3726	TT	CC	CC	INTERGENIC		
SNP_47837B_3736	scaffold438	NW_004515911.1	3736	CC	TT	TT	INTERGENIC		
SNP_47838B_3874	scaffold438	NW_004515911.1	3874	CC	TT	TT	INTERGENIC		
SNP_47839B_3954	scaffold438	NW_004515911.1	3954	TT	GG	GG	INTERGENIC		
SNP_47840B_5766	scaffold438	NW_004515911.1	5766	AA	GG	GG	INTERGENIC		
SNP_47841B_6879	scaffold438	NW_004515911.1	6879	AA	TT	TT	INTERGENIC		
SNP_47842B_6934	scaffold438	NW_004515911.1	6934	CC	TT	TT	INTERGENIC		
SNP_47844B_74862	scaffold438	NW_004515911.1	74862	AA	GG	GG	INTERGENIC		
SNP_47845B_74936	scaffold438	NW_004515911.1	74936	AA	TT	TT	INTERGENIC		
SNP_47847B_75021	scaffold438	NW_004515911.1	75021	AA	GG	GG	INTERGENIC		
SNP_47848B_75051	scaffold438	NW_004515911.1	75051	TT	CC	CC	INTERGENIC		
SNP_47849B_75053	scaffold438	NW_004515911.1	75053	AA	CC	CC	INTERGENIC		
SNP_47850B_76867	scaffold438	NW_004515911.1	76867	CC	AA	AA	INTERGENIC		
SNP_47851B_76901	scaffold438	NW_004515911.1	76901	TT	GG	GG	INTERGENIC		
SNP_47852B_93386	scaffold438	NW_004515911.1	93386	AA	GG	GG	INTERGENIC		
SNP_47853B_93472	scaffold438	NW_004515911.1	93472	CC	TT	TT	INTERGENIC		
SNP_47854B_97942	scaffold438	NW_004515911.1	97942	CC	TT	TT	INTERGENIC		
SNP_47855B_97943	scaffold438	NW_004515911.1	97943	AA	TT	TT	INTERGENIC		
SNP_47856B_98004	scaffold438	NW_004515911.1	98004	TT	CC	CC	INTERGENIC		
SNP_47857B_98010	scaffold438	NW_004515911.1	98010	CC	TT	TT	INTERGENIC		
SNP_47858B_98011	scaffold438	NW_004515911.1	98011	AA	GG	GG	INTERGENIC		
SNP_47859B_98015	scaffold438	NW_004515911.1	98015	AA	CC	CC	INTERGENIC		
SNP_47860B_98024	scaffold438	NW_004515911.1	98024	GG	CC	CC	INTERGENIC		
SNP_47861B_98097	scaffold438	NW_004515911.1	98097	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47862B_98168	scaffold438	NW_004515911.1	98168	TT	GG	GG	INTERGENIC		
SNP_47863B_8190	scaffold440	NW_004515912.1	8190	TT	AA	AA	INTERGENIC		
SNP_47864B_8196	scaffold440	NW_004515912.1	8196	TT	CC	CC	INTERGENIC		
SNP_47866B_12069	scaffold440	NW_004515912.1	12069	GG	AA	AA	INTERGENIC		
SNP_47868B_20675	scaffold440	NW_004515912.1	20675	TT	GG	GG	INTERGENIC		
SNP_47869B_23172	scaffold440	NW_004515912.1	23172	GG	CC	CC	INTERGENIC		
SNP_47870B_30117	scaffold440	NW_004515912.1	30117	CC	AA	AA	INTERGENIC		
SNP_47871B_30196	scaffold440	NW_004515912.1	30196	CC	AA	AA	INTERGENIC		
SNP_47872B_30308	scaffold440	NW_004515912.1	30308	GG	TT	TT	INTERGENIC		
SNP_47873B_30473	scaffold440	NW_004515912.1	30473	GG	TT	TT	INTERGENIC		
SNP_47874B_47380	scaffold440	NW_004515912.1	47380	TT	GG	GG	INTERGENIC		
SNP_47875B_14569	scaffold441	NW_004515913.1	14569	TT	AA	AA	INTERGENIC		
SNP_47876B_34043	scaffold441	NW_004515913.1	34043	CC	AA	AA	INTERGENIC		
SNP_47877B_14513	scaffold442	NW_004515914.1	14513	AA	CC	CC	INTERGENIC		
SNP_47878B_14719	scaffold442	NW_004515914.1	14719	TT	CC	CC	INTERGENIC		
SNP_47880B_21746	scaffold442	NW_004515914.1	21746	CC	AA	AA	INTERGENIC		
SNP_47881B_22087	scaffold442	NW_004515914.1	22087	TT	AA	AA	INTERGENIC		
SNP_47882B_35007	scaffold442	NW_004515914.1	35007	GG	AA	AA	INTERGENIC		
SNP_47883B_35605	scaffold442	NW_004515914.1	35605	CC	TT	TT	INTERGENIC		
SNP_47884B_35606	scaffold442	NW_004515914.1	35606	GG	TT	TT	INTERGENIC		
SNP_47885B_36427	scaffold442	NW_004515914.1	36427	CC	TT	TT	INTERGENIC		
SNP_47886B_36428	scaffold442	NW_004515914.1	36428	TT	GG	GG	INTERGENIC		
SNP_47887B_36448	scaffold442	NW_004515914.1	36448	AA	CC	CC	INTERGENIC		
SNP_47888B_36721	scaffold442	NW_004515914.1	36721	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47889B_36811	scaffold442	NW_004515914.1	36811	TT	AA	AA	INTERGENIC		
SNP_47890B_36812	scaffold442	NW_004515914.1	36812	AA	TT	TT	INTERGENIC		
SNP_47891B_37093	scaffold442	NW_004515914.1	37093	CC	TT	TT	INTERGENIC		
SNP_47893B_41619	scaffold442	NW_004515914.1	41619	CC	TT	TT	INTERGENIC		
SNP_47894B_62008	scaffold442	NW_004515914.1	62008	CC	AA	AA	INTERGENIC		
SNP_47895B_62022	scaffold442	NW_004515914.1	62022	AA	TT	TT	INTERGENIC		
SNP_47896B_62023	scaffold442	NW_004515914.1	62023	CC	TT	TT	INTERGENIC		
SNP_47897B_62606	scaffold442	NW_004515914.1	62606	GG	AA	AA	INTERGENIC		
SNP_47898B_71407	scaffold442	NW_004515914.1	71407	TT	GG	GG	INTERGENIC		
SNP_47899B_71565	scaffold442	NW_004515914.1	71565	TT	CC	CC	INTERGENIC		
SNP_47900B_2565	scaffold446	NW_004515916.1	2565	TT	AA	AA	INTERGENIC		
SNP_47901B_2589	scaffold446	NW_004515916.1	2589	TT	AA	AA	INTERGENIC		
SNP_47902B_2622	scaffold446	NW_004515916.1	2622	TT	AA	AA	INTERGENIC		
SNP_47903B_2885	scaffold446	NW_004515916.1	2885	TT	CC	CC	INTERGENIC		
SNP_47904B_9823	scaffold446	NW_004515916.1	9823	GG	TT	TT	INTERGENIC		
SNP_47905B_12783	scaffold446	NW_004515916.1	12783	GG	AA	AA	INTERGENIC		
SNP_47906B_12786	scaffold446	NW_004515916.1	12786	GG	AA	AA	INTERGENIC		
SNP_47907B_12792	scaffold446	NW_004515916.1	12792	CC	TT	TT	INTERGENIC		
SNP_47908B_12795	scaffold446	NW_004515916.1	12795	AA	GG	GG	INTERGENIC		
SNP_47909B_12837	scaffold446	NW_004515916.1	12837	CC	TT	TT	INTERGENIC		
SNP_47910B_12880	scaffold446	NW_004515916.1	12880	TT	AA	AA	INTERGENIC		
SNP_47911B_12900	scaffold446	NW_004515916.1	12900	AA	TT	TT	INTERGENIC		
SNP_47912B_13047	scaffold446	NW_004515916.1	13047	GG	TT	TT	INTERGENIC		
SNP_47913B_13285	scaffold446	NW_004515916.1	13285	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47914B_13297	scaffold446	NW_004515916.1	13297	GG	AA	AA	INTERGENIC		
SNP_47915B_13327	scaffold446	NW_004515916.1	13327	GG	AA	AA	INTERGENIC		
SNP_47916B_13372	scaffold446	NW_004515916.1	13372	AA	TT	TT	INTERGENIC		
SNP_47917B_13374	scaffold446	NW_004515916.1	13374	GG	AA	AA	INTERGENIC		
SNP_47918B_13375	scaffold446	NW_004515916.1	13375	GG	AA	AA	INTERGENIC		
SNP_47919B_14415	scaffold446	NW_004515916.1	14415	TT	CC	CC	INTERGENIC		
SNP_47920B_20351	scaffold446	NW_004515916.1	20351	GG	TT	TT	INTERGENIC		
SNP_47921B_20368	scaffold446	NW_004515916.1	20368	CC	GG	GG	INTERGENIC		
SNP_47922B_50715	scaffold446	NW_004515916.1	50715	GG	AA	AA	INTERGENIC		
SNP_47923B_65404	scaffold446	NW_004515916.1	65404	AA	GG	GG	INTERGENIC		
SNP_47924B_65751	scaffold446	NW_004515916.1	65751	GG	AA	AA	INTERGENIC		
SNP_47925B_65922	scaffold446	NW_004515916.1	65922	TT	GG	GG	INTERGENIC		
SNP_47926B_65983	scaffold446	NW_004515916.1	65983	CC	TT	TT	INTERGENIC		
SNP_47927B_66062	scaffold446	NW_004515916.1	66062	GG	TT	TT	INTERGENIC		
SNP_47928B_66066	scaffold446	NW_004515916.1	66066	TT	CC	CC	INTERGENIC		
SNP_47929B_66127	scaffold446	NW_004515916.1	66127	TT	AA	AA	INTERGENIC		
SNP_47930B_66134	scaffold446	NW_004515916.1	66134	TT	CC	CC	INTERGENIC		
SNP_47931B_66181	scaffold446	NW_004515916.1	66181	AA	CC	CC	INTERGENIC		
SNP_47932B_66211	scaffold446	NW_004515916.1	66211	AA	CC	CC	INTERGENIC		
SNP_47933B_66216	scaffold446	NW_004515916.1	66216	GG	AA	AA	INTERGENIC		
SNP_47934B_66222	scaffold446	NW_004515916.1	66222	CC	AA	AA	INTERGENIC		
SNP_47935B_66248	scaffold446	NW_004515916.1	66248	CC	TT	AA	INTERGENIC		
SNP_47936B_66249	scaffold446	NW_004515916.1	66249	TT	CC	CC	INTERGENIC		
SNP_47937B_66259	scaffold446	NW_004515916.1	66259	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47938B_66275	scaffold446	NW_004515916.1	66275	TT	CC	CC	INTERGENIC		
SNP_47939B_66285	scaffold446	NW_004515916.1	66285	CC	AA	AA	INTERGENIC		
SNP_47940B_66385	scaffold446	NW_004515916.1	66385	CC	GG	GG	INTERGENIC		
SNP_47941B_66435	scaffold446	NW_004515916.1	66435	GG	CC	CC	INTERGENIC		
SNP_47942B_66510	scaffold446	NW_004515916.1	66510	CC	AA	AA	INTERGENIC		
SNP_47943B_66695	scaffold446	NW_004515916.1	66695	TT	AA	AA	INTERGENIC		
SNP_47944B_67577	scaffold446	NW_004515916.1	67577	CC	AA	AA	INTERGENIC		
SNP_47945B_67629	scaffold446	NW_004515916.1	67629	CC	AA	AA	INTERGENIC		
SNP_47946B_67638	scaffold446	NW_004515916.1	67638	CC	AA	AA	INTERGENIC		
SNP_47947B_67709	scaffold446	NW_004515916.1	67709	GG	AA	AA	INTERGENIC		
SNP_47948B_67774	scaffold446	NW_004515916.1	67774	TT	CC	CC	INTERGENIC		
SNP_47950B_67848	scaffold446	NW_004515916.1	67848	AA	TT	TT	INTERGENIC		
SNP_47951B_67862	scaffold446	NW_004515916.1	67862	AA	TT	TT	INTERGENIC		
SNP_47952B_67874	scaffold446	NW_004515916.1	67874	TT	AA	AA	INTERGENIC		
SNP_47953B_67948	scaffold446	NW_004515916.1	67948	TT	AA	AA	INTERGENIC		
SNP_47954B_67960	scaffold446	NW_004515916.1	67960	AA	TT	TT	INTERGENIC		
SNP_47955B_67971	scaffold446	NW_004515916.1	67971	AA	TT	TT	INTERGENIC		
SNP_47956B_67985	scaffold446	NW_004515916.1	67985	AA	TT	TT	INTERGENIC		
SNP_47957B_68014	scaffold446	NW_004515916.1	68014	TT	AA	AA	INTERGENIC		
SNP_47958B_68106	scaffold446	NW_004515916.1	68106	TT	AA	AA	INTERGENIC		
SNP_47959B_68213	scaffold446	NW_004515916.1	68213	AA	TT	TT	INTERGENIC		
SNP_47960B_68239	scaffold446	NW_004515916.1	68239	TT	CC	CC	INTERGENIC		
SNP_47961B_79085	scaffold446	NW_004515916.1	79085	TT	GG	GG	INTERGENIC		
SNP_47962B_80764	scaffold446	NW_004515916.1	80764	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47963B_80787	scaffold446	NW_004515916.1	80787	AA	CC	CC	INTERGENIC		
SNP_47964B_80825	scaffold446	NW_004515916.1	80825	AA	GG	GG	INTERGENIC		
SNP_47965B_80836	scaffold446	NW_004515916.1	80836	TT	CC	CC	INTERGENIC		
SNP_47966B_82047	scaffold446	NW_004515916.1	82047	AA	CC	CC	INTERGENIC		
SNP_47968B_82052	scaffold446	NW_004515916.1	82052	AA	CC	CC	INTERGENIC		
SNP_47969B_82176	scaffold446	NW_004515916.1	82176	AA	TT	TT	INTERGENIC		
SNP_47970B_82320	scaffold446	NW_004515916.1	82320	GG	TT	TT	INTERGENIC		
SNP_47971B_85489	scaffold446	NW_004515916.1	85489	GG	AA	AA	INTERGENIC		
SNP_47972B_92257	scaffold446	NW_004515916.1	92257	TT	CC	CC	INTERGENIC		
SNP_47973B_99238	scaffold446	NW_004515916.1	99238	GG	AA	AA	INTERGENIC		
SNP_47974B_99326	scaffold446	NW_004515916.1	99326	AA	CC	CC	INTERGENIC		
SNP_47975B_99328	scaffold446	NW_004515916.1	99328	GG	AA	AA	INTERGENIC		
SNP_47976B_99338	scaffold446	NW_004515916.1	99338	CC	TT	TT	INTERGENIC		
SNP_47977B_99397	scaffold446	NW_004515916.1	99397	TT	CC	CC	INTERGENIC		
SNP_47978B_99435	scaffold446	NW_004515916.1	99435	GG	AA	AA	INTERGENIC		
SNP_47979B_99464	scaffold446	NW_004515916.1	99464	TT	AA	AA	INTERGENIC		
SNP_47980B_99592	scaffold446	NW_004515916.1	99592	GG	AA	AA	INTERGENIC		
SNP_47981B_99680	scaffold446	NW_004515916.1	99680	CC	TT	TT	INTERGENIC		
SNP_47982B_99684	scaffold446	NW_004515916.1	99684	TT	GG	GG	INTERGENIC		
SNP_47983B_99748	scaffold446	NW_004515916.1	99748	AA	GG	GG	INTERGENIC		
SNP_47984B_99751	scaffold446	NW_004515916.1	99751	AA	GG	GG	INTERGENIC		
SNP_47985B_100701	scaffold446	NW_004515916.1	100701	CC	AA	AA	INTERGENIC		
SNP_47986B_109650	scaffold446	NW_004515916.1	109650	GG	CC	CC	INTERGENIC		
SNP_47987B_109831	scaffold446	NW_004515916.1	109831	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_47988B_109858	scaffold446	NW_004515916.1	109858	CC	TT	TT	INTERGENIC		
SNP_47989B_109902	scaffold446	NW_004515916.1	109902	AA	CC	CC	INTERGENIC		
SNP_47990B_110186	scaffold446	NW_004515916.1	110186	TT	AA	AA	INTERGENIC		
SNP_47991B_110343	scaffold446	NW_004515916.1	110343	AA	TT	TT	INTERGENIC		
SNP_47992B_124912	scaffold446	NW_004515916.1	124912	GG	AA	AA	INTERGENIC		
SNP_47993B_124928	scaffold446	NW_004515916.1	124928	TT	GG	GG	INTERGENIC		
SNP_47994B_124942	scaffold446	NW_004515916.1	124942	GG	AA	AA	INTERGENIC		
SNP_47995B_133701	scaffold446	NW_004515916.1	133701	AA	GG	GG	INTERGENIC		
SNP_47996B_133783	scaffold446	NW_004515916.1	133783	TT	GG	GG	INTERGENIC		
SNP_47997B_133807	scaffold446	NW_004515916.1	133807	TT	CC	CC	INTERGENIC		
SNP_47998B_134096	scaffold446	NW_004515916.1	134096	AA	GG	GG	INTERGENIC		
SNP_47999B_135780	scaffold446	NW_004515916.1	135780	AA	TT	TT	INTERGENIC		
SNP_48000B_135790	scaffold446	NW_004515916.1	135790	TT	AA	AA	INTERGENIC		
SNP_48001B_153752	scaffold446	NW_004515916.1	153752	CC	TT	TT	INTERGENIC		
SNP_48002B_153794	scaffold446	NW_004515916.1	153794	TT	AA	AA	INTERGENIC		
SNP_48003B_153830	scaffold446	NW_004515916.1	153830	CC	TT	TT	INTERGENIC		
SNP_48004B_153836	scaffold446	NW_004515916.1	153836	AA	CC	CC	INTERGENIC		
SNP_48005B_156864	scaffold446	NW_004515916.1	156864	TT	CC	CC	INTERGENIC		
SNP_48006B_156956	scaffold446	NW_004515916.1	156956	CC	TT	TT	INTERGENIC		
SNP_48007B_156999	scaffold446	NW_004515916.1	156999	TT	CC	CC	INTERGENIC		
SNP_48008B_157027	scaffold446	NW_004515916.1	157027	AA	TT	TT	INTERGENIC		
SNP_48009B_157035	scaffold446	NW_004515916.1	157035	CC	TT	TT	INTERGENIC		
SNP_48010B_157055	scaffold446	NW_004515916.1	157055	TT	GG	GG	INTERGENIC		
SNP_48011B_157109	scaffold446	NW_004515916.1	157109	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48012B_157112	scaffold446	NW_004515916.1	157112	AA	TT	TT	INTERGENIC		
SNP_48013B_157139	scaffold446	NW_004515916.1	157139	GG	TT	TT	INTERGENIC		
SNP_48014B_157145	scaffold446	NW_004515916.1	157145	CC	TT	TT	INTERGENIC		
SNP_48015B_157357	scaffold446	NW_004515916.1	157357	GG	AA	AA	INTERGENIC		
SNP_48016B_157382	scaffold446	NW_004515916.1	157382	CC	GG	GG	INTERGENIC		
SNP_48017B_157480	scaffold446	NW_004515916.1	157480	TT	CC	CC	INTERGENIC		
SNP_48018B_163449	scaffold446	NW_004515916.1	163449	CC	TT	TT	INTERGENIC		
SNP_48019B_163487	scaffold446	NW_004515916.1	163487	CC	TT	TT	INTERGENIC		
SNP_48021B_163774	scaffold446	NW_004515916.1	163774	CC	TT	TT	INTERGENIC		
SNP_48022B_163783	scaffold446	NW_004515916.1	163783	TT	CC	CC	INTERGENIC		
SNP_48023B_163790	scaffold446	NW_004515916.1	163790	TT	CC	CC	INTERGENIC		
SNP_48024B_163805	scaffold446	NW_004515916.1	163805	CC	TT	TT	INTERGENIC		
SNP_48025B_163831	scaffold446	NW_004515916.1	163831	AA	GG	GG	INTERGENIC		
SNP_48026B_163873	scaffold446	NW_004515916.1	163873	AA	GG	GG	INTERGENIC		
SNP_48027B_164280	scaffold446	NW_004515916.1	164280	TT	CC	CC	INTERGENIC		
SNP_48028B_164317	scaffold446	NW_004515916.1	164317	AA	GG	GG	INTERGENIC		
SNP_48029B_166779	scaffold446	NW_004515916.1	166779	TT	CC	CC	INTERGENIC		
SNP_48030B_166789	scaffold446	NW_004515916.1	166789	TT	CC	CC	INTERGENIC		
SNP_48031B_166815	scaffold446	NW_004515916.1	166815	AA	TT	TT	INTERGENIC		
SNP_48032B_171884	scaffold446	NW_004515916.1	171884	GG	AA	AA	INTERGENIC		
SNP_48033B_177300	scaffold446	NW_004515916.1	177300	GG	CC	CC	INTERGENIC		
SNP_48034B_177487	scaffold446	NW_004515916.1	177487	GG	TT	TT	INTERGENIC		
SNP_48035B_177500	scaffold446	NW_004515916.1	177500	TT	CC	CC	INTERGENIC		
SNP_48036B_177530	scaffold446	NW_004515916.1	177530	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48037B_177565	scaffold446	NW_004515916.1	177565	AA	CC	CC	INTERGENIC		
SNP_48038B_181590	scaffold446	NW_004515916.1	181590	AA	GG	GG	INTERGENIC		
SNP_48039B_186598	scaffold446	NW_004515916.1	186598	AA	TT	TT	INTERGENIC		
SNP_48041B_202451	scaffold446	NW_004515916.1	202451	AA	GG	GG	INTERGENIC		
SNP_48043B_232535	scaffold446	NW_004515916.1	232535	AA	CC	CC	INTERGENIC		
SNP_48044B_233142	scaffold446	NW_004515916.1	233142	AA	TT	TT	INTERGENIC		
SNP_48045B_233375	scaffold446	NW_004515916.1	233375	CC	TT	TT	INTERGENIC		
SNP_48046B_233376	scaffold446	NW_004515916.1	233376	AA	GG	GG	INTERGENIC		
SNP_48047B_235004	scaffold446	NW_004515916.1	235004	AA	TT	TT	INTERGENIC		
SNP_48048B_235007	scaffold446	NW_004515916.1	235007	AA	TT	TT	INTERGENIC		
SNP_48049B_235018	scaffold446	NW_004515916.1	235018	TT	CC	CC	INTERGENIC		
SNP_48050B_235311	scaffold446	NW_004515916.1	235311	GG	AA	AA	INTERGENIC		
SNP_48051B_235319	scaffold446	NW_004515916.1	235319	TT	CC	CC	INTERGENIC		
SNP_48053B_235753	scaffold446	NW_004515916.1	235753	TT	CC	CC	INTERGENIC		
SNP_48054B_245341	scaffold446	NW_004515916.1	245341	GG	TT	TT	INTERGENIC		
SNP_48055B_245391	scaffold446	NW_004515916.1	245391	AA	GG	GG	INTERGENIC		
SNP_48056B_255937	scaffold446	NW_004515916.1	255937	TT	CC	CC	INTERGENIC		
SNP_48057B_256473	scaffold446	NW_004515916.1	256473	TT	AA	AA	INTERGENIC		
SNP_48058B_256488	scaffold446	NW_004515916.1	256488	CC	AA	AA	INTERGENIC		
SNP_48059B_260614	scaffold446	NW_004515916.1	260614	TT	AA	AA	INTERGENIC		
SNP_48060B_260875	scaffold446	NW_004515916.1	260875	GG	AA	AA	INTERGENIC		
SNP_48061B_260939	scaffold446	NW_004515916.1	260939	AA	CC	CC	INTERGENIC		
SNP_48062B_267440	scaffold446	NW_004515916.1	267440	GG	AA	AA	INTERGENIC		
SNP_48063B_267595	scaffold446	NW_004515916.1	267595	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48064B_273660	scaffold446	NW_004515916.1	273660	TT	AA	AA	INTERGENIC		
SNP_48065B_28901	scaffold450	NW_004515917.1	28901	GG	TT	TT	INTERGENIC		
SNP_48066B_72900	scaffold450	NW_004515917.1	72900	GG	AA	AA	INTERGENIC		
SNP_48067B_77408	scaffold450	NW_004515917.1	77408	AA	GG	GG	INTERGENIC		
SNP_48068B_93026	scaffold450	NW_004515917.1	93026	GG	AA	AA	INTERGENIC		
SNP_48069B_104339	scaffold450	NW_004515917.1	104339	TT	CC	CC	INTERGENIC		
SNP_48070B_108470	scaffold450	NW_004515917.1	108470	TT	CC	CC	INTERGENIC		
SNP_48072B_129957	scaffold450	NW_004515917.1	129957	AA	CC	CC	INTERGENIC		
SNP_48073B_133781	scaffold450	NW_004515917.1	133781	CC	AA	AA	INTERGENIC		
SNP_48075B_133829	scaffold450	NW_004515917.1	133829	AA	TT	TT	INTERGENIC		
SNP_48076B_134006	scaffold450	NW_004515917.1	134006	AA	GG	GG	INTERGENIC		
SNP_48077B_134024	scaffold450	NW_004515917.1	134024	AA	CC	CC	INTERGENIC		
SNP_48078B_152961	scaffold450	NW_004515917.1	152961	TT	CC	CC	INTERGENIC		
SNP_48079B_178222	scaffold450	NW_004515917.1	178222	AA	GG	GG	INTERGENIC		
SNP_48080B_197097	scaffold450	NW_004515917.1	197097	CC	TT	TT	INTERGENIC		
SNP_48081B_235436	scaffold450	NW_004515917.1	235436	AA	GG	GG	INTERGENIC		
SNP_48082B_235449	scaffold450	NW_004515917.1	235449	AA	GG	GG	INTERGENIC		
SNP_48083B_235459	scaffold450	NW_004515917.1	235459	CC	AA	AA	INTERGENIC		
SNP_48084B_235488	scaffold450	NW_004515917.1	235488	GG	AA	AA	INTERGENIC		
SNP_48085B_235752	scaffold450	NW_004515917.1	235752	CC	GG	GG	INTERGENIC		
SNP_48086B_235789	scaffold450	NW_004515917.1	235789	TT	CC	CC	INTERGENIC		
SNP_48087B_235811	scaffold450	NW_004515917.1	235811	AA	GG	GG	INTERGENIC		
SNP_48088B_241307	scaffold450	NW_004515917.1	241307	AA	GG	GG	INTERGENIC		
SNP_48089B_241310	scaffold450	NW_004515917.1	241310	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48090B_241627	scaffold450	NW_004515917.1	241627	TT	CC	CC	INTERGENIC		
SNP_48091B_407901	scaffold450	NW_004515917.1	407901	CC	TT	TT	INTERGENIC		
SNP_48092B_427885	scaffold450	NW_004515917.1	427885	TT	CC	CC	INTERGENIC		
SNP_48093B_431984	scaffold450	NW_004515917.1	431984	AA	CC	CC	INTRON	id201210	Unknown function
SNP_48094B_459242	scaffold450	NW_004515917.1	459242	TT	CC	CC	INTERGENIC		
SNP_48095B_470142	scaffold450	NW_004515917.1	470142	CC	TT	TT	INTERGENIC		
SNP_48096B_471020	scaffold450	NW_004515917.1	471020	AA	GG	GG	INTERGENIC		
SNP_48097B_476131	scaffold450	NW_004515917.1	476131	AA	GG	GG	INTERGENIC		
SNP_48098B_482624	scaffold450	NW_004515917.1	482624	AA	CC	CC	INTERGENIC		
SNP_48099B_496319	scaffold450	NW_004515917.1	496319	GG	AA	AA	INTERGENIC		
SNP_48100B_498689	scaffold450	NW_004515917.1	498689	TT	AA	AA	INTERGENIC		
SNP_48101B_509691	scaffold450	NW_004515917.1	509691	AA	TT	TT	INTERGENIC		
SNP_48102B_509727	scaffold450	NW_004515917.1	509727	TT	CC	CC	INTERGENIC		
SNP_48103B_509740	scaffold450	NW_004515917.1	509740	AA	CC	CC	INTERGENIC		
SNP_48104B_509958	scaffold450	NW_004515917.1	509958	CC	TT	TT	INTERGENIC		
SNP_48105B_509959	scaffold450	NW_004515917.1	509959	AA	GG	GG	INTERGENIC		
SNP_48106B_510026	scaffold450	NW_004515917.1	510026	CC	TT	TT	INTERGENIC		
SNP_48107B_510080	scaffold450	NW_004515917.1	510080	TT	AA	AA	INTERGENIC		
SNP_48108B_510397	scaffold450	NW_004515917.1	510397	AA	GG	GG	INTERGENIC		
SNP_48109B_510474	scaffold450	NW_004515917.1	510474	AA	TT	TT	INTERGENIC		
SNP_48110B_510519	scaffold450	NW_004515917.1	510519	AA	GG	GG	INTERGENIC		
SNP_48111B_510564	scaffold450	NW_004515917.1	510564	CC	GG	GG	INTERGENIC		
SNP_48112B_510610	scaffold450	NW_004515917.1	510610	CC	GG	GG	INTERGENIC		
SNP_48113B_517418	scaffold450	NW_004515917.1	517418	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48114B_517807	scaffold450	NW_004515917.1	517807	TT	CC	CC	INTERGENIC		
SNP_48115B_518418	scaffold450	NW_004515917.1	518418	CC	TT	TT	INTERGENIC		
SNP_48116B_518460	scaffold450	NW_004515917.1	518460	AA	GG	GG	INTERGENIC		
SNP_48117B_518791	scaffold450	NW_004515917.1	518791	CC	TT	TT	INTERGENIC		
SNP_48118B_518792	scaffold450	NW_004515917.1	518792	GG	AA	AA	INTERGENIC		
SNP_48119B_522272	scaffold450	NW_004515917.1	522272	AA	GG	GG	INTERGENIC		
SNP_48120B_1328	scaffold451	NW_004515918.1	1328	TT	CC	CC	INTRON	101512703	G-type lectin S-receptor-like serine/threonine-protein kinase At1g11330
SNP_48121B_19210	scaffold451	NW_004515918.1	19210	AA	GG	GG	URR	101507372	uncharacterized LOC101507372
SNP_48122B_21267	scaffold451	NW_004515918.1	21267	AA	CC	CC	INTERGENIC		
SNP_48123B_21281	scaffold451	NW_004515918.1	21281	AA	GG	GG	INTERGENIC		
SNP_48124B_28622	scaffold451	NW_004515918.1	28622	GG	AA	AA	DRR	101513024	probable WRKY transcription factor 19
SNP_48125B_60882	scaffold451	NW_004515918.1	60882	TT	CC	CC	INTERGENIC		
SNP_48126B_61228	scaffold451	NW_004515918.1	61228	AA	CC	CC	INTERGENIC		
SNP_48127B_65509	scaffold451	NW_004515918.1	65509	TT	GG	GG	INTERGENIC		
SNP_48128B_74148	scaffold451	NW_004515918.1	74148	TT	CC	CC	INTERGENIC		
SNP_48129B_78357	scaffold451	NW_004515918.1	78357	TT	CC	CC	INTERGENIC		
SNP_48130B_78426	scaffold451	NW_004515918.1	78426	AA	GG	GG	INTERGENIC		
SNP_48131B_135299	scaffold451	NW_004515918.1	135299	CC	TT	TT	INTERGENIC		
SNP_48132B_142890	scaffold451	NW_004515918.1	142890	AA	GG	GG	INTERGENIC		
SNP_48133B_199830	scaffold451	NW_004515918.1	199830	TT	CC	CC	URR	101514989	uncharacterized LOC101514989
SNP_48135B_320597	scaffold451	NW_004515918.1	320597	TT	GG	GG	INTERGENIC		
SNP_48136B_326460	scaffold451	NW_004515918.1	326460	CC	TT	TT	INTERGENIC		
SNP_48137B_326681	scaffold451	NW_004515918.1	326681	GG	TT	TT	INTERGENIC		
SNP_48138B_326690	scaffold451	NW_004515918.1	326690	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48139B_349791	scaffold451	NW_004515918.1	349791	TT	AA	AA	INTERGENIC		
SNP_48140B_388867	scaffold451	NW_004515918.1	388867	TT	AA	AA	INTERGENIC		
SNP_48141B_390325	scaffold451	NW_004515918.1	390325	GG	TT	TT	INTERGENIC		
SNP_48142B_390364	scaffold451	NW_004515918.1	390364	CC	AA	AA	INTERGENIC		
SNP_48143B_390693	scaffold451	NW_004515918.1	390693	CC	TT	TT	INTERGENIC		
SNP_48144B_390709	scaffold451	NW_004515918.1	390709	AA	CC	CC	INTERGENIC		
SNP_48145B_394571	scaffold451	NW_004515918.1	394571	TT	GG	GG	INTERGENIC		
SNP_48146B_492164	scaffold451	NW_004515918.1	492164	GG	AA	AA	INTERGENIC		
SNP_48147B_519514	scaffold451	NW_004515918.1	519514	CC	TT	TT	INTERGENIC		
SNP_48148B_2564	scaffold452	NW_004515919.1	2564	TT	CC	CC	INTERGENIC		
SNP_48149B_2880	scaffold452	NW_004515919.1	2880	CC	AA	AA	INTERGENIC		
SNP_48150B_3163	scaffold452	NW_004515919.1	3163	TT	CC	CC	INTERGENIC		
SNP_48151B_4618	scaffold452	NW_004515919.1	4618	AA	TT	TT	INTERGENIC		
SNP_48152B_13138	scaffold453	NW_004515920.1	13138	CC	TT	TT	INTERGENIC		
SNP_48153B_20104	scaffold453	NW_004515920.1	20104	TT	GG	GG	INTERGENIC		
SNP_48154B_20156	scaffold453	NW_004515920.1	20156	AA	GG	GG	INTERGENIC		
SNP_48155B_20248	scaffold453	NW_004515920.1	20248	AA	CC	CC	INTERGENIC		
SNP_48156B_20253	scaffold453	NW_004515920.1	20253	TT	CC	CC	INTERGENIC		
SNP_48157B_76958	scaffold453	NW_004515920.1	76958	GG	AA	AA	INTERGENIC		
SNP_48158B_77253	scaffold453	NW_004515920.1	77253	GG	AA	AA	INTERGENIC		
SNP_48160B_79708	scaffold453	NW_004515920.1	79708	AA	CC	CC	INTERGENIC		
SNP_48161B_79728	scaffold453	NW_004515920.1	79728	AA	CC	CC	INTERGENIC		
SNP_48163B_80263	scaffold453	NW_004515920.1	80263	AA	GG	GG	INTERGENIC		
SNP_48164B_80350	scaffold453	NW_004515920.1	80350	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48165B_80407	scaffold453	NW_004515920.1	80407	GG	AA	AA	INTERGENIC		
SNP_48166B_84962	scaffold453	NW_004515920.1	84962	TT	CC	CC	INTERGENIC		
SNP_48167B_134614	scaffold453	NW_004515920.1	134614	TT	CC	CC	URR	101495096	mucin-2-like
SNP_48169B_206421	scaffold453	NW_004515920.1	206421	TT	GG	GG	INTRON	101495757	TMV resistance protein N-like
SNP_48170B_235200	scaffold453	NW_004515920.1	235200	GG	TT	TT	DRR	101496078	uncharacterized LOC101496078
SNP_48171B_296589	scaffold453	NW_004515920.1	296589	TT	GG	GG	INTERGENIC		
SNP_48172B_359747	scaffold453	NW_004515920.1	359747	AA	TT	TT	INTERGENIC		
SNP_48173B_385639	scaffold453	NW_004515920.1	385639	AA	GG	GG	INTERGENIC		
SNP_48174B_386389	scaffold453	NW_004515920.1	386389	TT	CC	CC	INTERGENIC		
SNP_48175B_401919	scaffold453	NW_004515920.1	401919	TT	AA	AA	INTERGENIC		
SNP_48176B_495562	scaffold453	NW_004515920.1	495562	GG	AA	AA	INTRON	101494567	SAC3 family protein 2
SNP_48178B_497912	scaffold453	NW_004515920.1	497912	CC	TT	TT	URR	101494567	SAC3 family protein 2
SNP_48179B_498045	scaffold453	NW_004515920.1	498045	AA	GG	GG	URR	101494567	SAC3 family protein 2
SNP_48180B_498704	scaffold453	NW_004515920.1	498704	CC	TT	TT	URR	101494567	SAC3 family protein 2
SNP_48182B_500386	scaffold453	NW_004515920.1	500386	AA	TT	TT	INTERGENIC		
SNP_48183B_500811	scaffold453	NW_004515920.1	500811	AA	TT	TT	INTERGENIC		
SNP_48184B_500828	scaffold453	NW_004515920.1	500828	TT	AA	AA	INTERGENIC		
SNP_48185B_501839	scaffold453	NW_004515920.1	501839	TT	CC	CC	INTERGENIC		
SNP_48186B_501986	scaffold453	NW_004515920.1	501986	TT	GG	GG	INTERGENIC		
SNP_48187B_502837	scaffold453	NW_004515920.1	502837	CC	TT	TT	INTERGENIC		
SNP_48188B_503019	scaffold453	NW_004515920.1	503019	AA	GG	GG	INTERGENIC		
SNP_48189B_503064	scaffold453	NW_004515920.1	503064	CC	TT	TT	INTERGENIC		
SNP_48190B_503156	scaffold453	NW_004515920.1	503156	GG	TT	TT	INTERGENIC		
SNP_48191B_503305	scaffold453	NW_004515920.1	503305	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48192B_503731	scaffold453	NW_004515920.1	503731	GG	TT	TT	INTERGENIC		
SNP_48193B_503919	scaffold453	NW_004515920.1	503919	CC	TT	TT	INTERGENIC		
SNP_48195B_526247	scaffold453	NW_004515920.1	526247	CC	TT	TT	INTERGENIC		
SNP_48196B_526268	scaffold453	NW_004515920.1	526268	CC	TT	TT	INTERGENIC		
SNP_48197B_526518	scaffold453	NW_004515920.1	526518	TT	CC	CC	INTERGENIC		
SNP_48198B_526533	scaffold453	NW_004515920.1	526533	TT	GG	GG	INTERGENIC		
SNP_48199B_526592	scaffold453	NW_004515920.1	526592	TT	CC	CC	INTERGENIC		
SNP_48200B_530214	scaffold453	NW_004515920.1	530214	TT	AA	AA	INTERGENIC		
SNP_48201B_557	scaffold454	NW_004515921.1	557	TT	GG	GG	INTERGENIC		
SNP_48202B_907	scaffold454	NW_004515921.1	907	AA	CC	CC	INTERGENIC		
SNP_48203B_1101	scaffold454	NW_004515921.1	1101	CC	TT	TT	INTERGENIC		
SNP_48204B_1189	scaffold454	NW_004515921.1	1189	AA	TT	TT	INTERGENIC		
SNP_48205B_3899	scaffold454	NW_004515921.1	3899	TT	GG	GG	INTERGENIC		
SNP_48206B_3974	scaffold454	NW_004515921.1	3974	CC	TT	TT	INTERGENIC		
SNP_48207B_3984	scaffold454	NW_004515921.1	3984	AA	TT	TT	INTERGENIC		
SNP_48208B_4084	scaffold454	NW_004515921.1	4084	TT	GG	GG	INTERGENIC		
SNP_48209B_3490	scaffold461	NW_004515926.1	3490	TT	AA	AA	INTERGENIC		
SNP_48210B_3918	scaffold461	NW_004515926.1	3918	TT	CC	CC	INTERGENIC		
SNP_48211B_5456	scaffold461	NW_004515926.1	5456	TT	AA	AA	INTERGENIC		
SNP_48212B_22619	scaffold461	NW_004515926.1	22619	TT	CC	CC	INTERGENIC		
SNP_48213B_22886	scaffold461	NW_004515926.1	22886	TT	CC	CC	INTERGENIC		
SNP_48214B_22894	scaffold461	NW_004515926.1	22894	TT	CC	CC	INTERGENIC		
SNP_48215B_22992	scaffold461	NW_004515926.1	22992	CC	TT	TT	INTERGENIC		
SNP_48216B_23018	scaffold461	NW_004515926.1	23018	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48217B_23019	scaffold461	NW_004515926.1	23019	GG	AA	AA	INTERGENIC		
SNP_48218B_26170	scaffold461	NW_004515926.1	26170	CC	TT	TT	INTERGENIC		
SNP_48219B_26227	scaffold461	NW_004515926.1	26227	CC	AA	AA	INTERGENIC		
SNP_48220B_26325	scaffold461	NW_004515926.1	26325	TT	GG	GG	INTERGENIC		
SNP_48221B_26373	scaffold461	NW_004515926.1	26373	AA	TT	TT	INTERGENIC		
SNP_48222B_548	scaffold466	NW_004515930.1	548	GG	TT	TT	INTERGENIC		
SNP_48223B_552	scaffold466	NW_004515930.1	552	AA	GG	GG	INTERGENIC		
SNP_48224B_565	scaffold466	NW_004515930.1	565	TT	CC	CC	INTERGENIC		
SNP_48225B_614	scaffold466	NW_004515930.1	614	GG	CC	CC	INTERGENIC		
SNP_48226B_631	scaffold466	NW_004515930.1	631	TT	GG	GG	INTERGENIC		
SNP_48228B_12183	scaffold466	NW_004515930.1	12183	GG	AA	AA	INTERGENIC		
SNP_48229B_12218	scaffold466	NW_004515930.1	12218	GG	AA	AA	INTERGENIC		
SNP_48230B_14873	scaffold466	NW_004515930.1	14873	GG	AA	AA	INTERGENIC		
SNP_48231B_18803	scaffold466	NW_004515930.1	18803	TT	CC	CC	INTERGENIC		
SNP_48232B_18809	scaffold466	NW_004515930.1	18809	AA	TT	TT	INTERGENIC		
SNP_48233B_23635	scaffold466	NW_004515930.1	23635	TT	AA	AA	INTERGENIC		
SNP_48234B_38987	scaffold466	NW_004515930.1	38987	AA	GG	GG	INTERGENIC		
SNP_48235B_39047	scaffold466	NW_004515930.1	39047	GG	AA	AA	INTERGENIC		
SNP_48236B_39099	scaffold466	NW_004515930.1	39099	TT	CC	CC	INTERGENIC		
SNP_48237B_41314	scaffold466	NW_004515930.1	41314	GG	CC	CC	INTERGENIC		
SNP_48238B_80937	scaffold466	NW_004515930.1	80937	TT	GG	GG	INTERGENIC		
SNP_48239B_80938	scaffold466	NW_004515930.1	80938	GG	AA	AA	INTERGENIC		
SNP_48240B_133235	scaffold466	NW_004515930.1	133235	AA	GG	GG	INTRON	101499663	Unknown function
SNP_48241B_133491	scaffold466	NW_004515930.1	133491	CC	TT	TT	INTRON	101499663	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48242B_133555	scaffold466	NW_004515930.1	133555	AA	GG	GG	INTRON	101499663	Unknown function
SNP_48243B_164008	scaffold466	NW_004515930.1	164008	AA	GG	GG	DRR	101499967	Unknown function
SNP_48244B_164013	scaffold466	NW_004515930.1	164013	TT	CC	CC	DRR	101499967	Unknown function
SNP_48245B_164081	scaffold466	NW_004515930.1	164081	TT	CC	CC	DRR	101499967	Unknown function
SNP_48246B_164094	scaffold466	NW_004515930.1	164094	TT	CC	CC	DRR	101499967	Unknown function
SNP_48247B_164106	scaffold466	NW_004515930.1	164106	AA	GG	GG	DRR	101499967	Unknown function
SNP_48248B_164175	scaffold466	NW_004515930.1	164175	TT	CC	CC	DRR	101499967	Unknown function
SNP_48249B_164353	scaffold466	NW_004515930.1	164353	CC	GG	GG	DRR	101499967	Unknown function
SNP_48250B_164358	scaffold466	NW_004515930.1	164358	TT	GG	GG	DRR	101499967	Unknown function
SNP_48251B_164381	scaffold466	NW_004515930.1	164381	AA	GG	GG	DRR	101499967	Unknown function
SNP_48252B_164387	scaffold466	NW_004515930.1	164387	AA	GG	GG	DRR	101499967	Unknown function
SNP_48253B_164398	scaffold466	NW_004515930.1	164398	AA	GG	GG	DRR	101499967	Unknown function
SNP_48254B_164410	scaffold466	NW_004515930.1	164410	AA	GG	GG	DRR	101499967	Unknown function
SNP_48255B_164417	scaffold466	NW_004515930.1	164417	TT	CC	CC	DRR	101499967	Unknown function
SNP_48256B_164575	scaffold466	NW_004515930.1	164575	TT	CC	CC	DRR	101499967	Unknown function
SNP_48257B_164591	scaffold466	NW_004515930.1	164591	AA	GG	GG	DRR	101499967	Unknown function
SNP_48258B_164597	scaffold466	NW_004515930.1	164597	TT	CC	CC	DRR	101499967	Unknown function
SNP_48259B_164716	scaffold466	NW_004515930.1	164716	AA	CC	CC	DRR	101499967	Unknown function
SNP_48260B_164823	scaffold466	NW_004515930.1	164823	CC	TT	TT	DRR	101499967	Unknown function
SNP_48261B_164826	scaffold466	NW_004515930.1	164826	AA	CC	CC	DRR	101499967	Unknown function
SNP_48262B_165681	scaffold466	NW_004515930.1	165681	CC	TT	TT	URR	101499350	Unknown function
SNP_48263B_165695	scaffold466	NW_004515930.1	165695	AA	CC	CC	URR	101499350	Unknown function
SNP_48264B_165780	scaffold466	NW_004515930.1	165780	TT	CC	CC	URR	101499350	Unknown function
SNP_48265B_165844	scaffold466	NW_004515930.1	165844	TT	CC	CC	URR	101499350	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48266B_165977	scaffold466	NW_004515930.1	165977	GG	AA	AA	URR	101499350	Unknown function
SNP_48267B_165983	scaffold466	NW_004515930.1	165983	TT	CC	CC	URR	101499350	Unknown function
SNP_48268B_166114	scaffold466	NW_004515930.1	166114	AA	GG	GG	URR	101499350	Unknown function
SNP_48269B_166175	scaffold466	NW_004515930.1	166175	TT	CC	CC	URR	101499967	Unknown function
SNP_48270B_166211	scaffold466	NW_004515930.1	166211	CC	TT	TT	URR	101499967	Unknown function
SNP_48271B_166248	scaffold466	NW_004515930.1	166248	TT	CC	CC	URR	101499967	Unknown function
SNP_48272B_166249	scaffold466	NW_004515930.1	166249	GG	CC	CC	URR	101499967	Unknown function
SNP_48273B_166266	scaffold466	NW_004515930.1	166266	AA	GG	GG	URR	101499967	Unknown function
SNP_48274B_166343	scaffold466	NW_004515930.1	166343	TT	CC	CC	URR	101499967	Unknown function
SNP_48275B_166680	scaffold466	NW_004515930.1	166680	AA	CC	CC	URR	101499967	Unknown function
SNP_48276B_166703	scaffold466	NW_004515930.1	166703	TT	CC	CC	URR	101499967	Unknown function
SNP_48277B_166788	scaffold466	NW_004515930.1	166788	TT	CC	CC	URR	101499967	Unknown function
SNP_48278B_166792	scaffold466	NW_004515930.1	166792	AA	GG	GG	URR	101499967	Unknown function
SNP_48279B_166836	scaffold466	NW_004515930.1	166836	GG	AA	AA	URR	101499967	Unknown function
SNP_48280B_166845	scaffold466	NW_004515930.1	166845	AA	GG	GG	URR	101499967	Unknown function
SNP_48281B_166850	scaffold466	NW_004515930.1	166850	TT	CC	CC	URR	101499967	Unknown function
SNP_48282B_166888	scaffold466	NW_004515930.1	166888	TT	CC	CC	URR	101499967	Unknown function
SNP_48283B_167806	scaffold466	NW_004515930.1	167806	AA	GG	GG	INTERGENIC		
SNP_48284B_169627	scaffold466	NW_004515930.1	169627	AA	CC	CC	INTERGENIC		
SNP_48285B_169636	scaffold466	NW_004515930.1	169636	GG	CC	CC	INTERGENIC		
SNP_48286B_169640	scaffold466	NW_004515930.1	169640	TT	AA	AA	INTERGENIC		
SNP_48287B_169652	scaffold466	NW_004515930.1	169652	TT	AA	AA	INTERGENIC		
SNP_48288B_169654	scaffold466	NW_004515930.1	169654	GG	AA	AA	INTERGENIC		
SNP_48289B_169680	scaffold466	NW_004515930.1	169680	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48291B_169767	scaffold466	NW_004515930.1	169767	TT	CC	CC	INTERGENIC		
SNP_48292B_169801	scaffold466	NW_004515930.1	169801	AA	GG	GG	INTERGENIC		
SNP_48293B_169819	scaffold466	NW_004515930.1	169819	AA	TT	TT	INTERGENIC		
SNP_48294B_169820	scaffold466	NW_004515930.1	169820	TT	AA	AA	INTERGENIC		
SNP_48295B_169821	scaffold466	NW_004515930.1	169821	AA	CC	CC	INTERGENIC		
SNP_48296B_169830	scaffold466	NW_004515930.1	169830	AA	GG	GG	INTERGENIC		
SNP_48297B_169831	scaffold466	NW_004515930.1	169831	AA	GG	GG	INTERGENIC		
SNP_48298B_169835	scaffold466	NW_004515930.1	169835	TT	GG	GG	INTERGENIC		
SNP_48299B_169836	scaffold466	NW_004515930.1	169836	TT	CC	CC	INTERGENIC		
SNP_48300B_169841	scaffold466	NW_004515930.1	169841	AA	GG	GG	INTERGENIC		
SNP_48301B_169875	scaffold466	NW_004515930.1	169875	AA	GG	GG	INTERGENIC		
SNP_48303B_171062	scaffold466	NW_004515930.1	171062	TT	GG	GG	NON_SYNONYMOUS_CODING	id201638	Unknown function
SNP_48304B_171285	scaffold466	NW_004515930.1	171285	AA	GG	GG	SYNONYMOUS_CODING	id201638	Unknown function
SNP_48305B_171289	scaffold466	NW_004515930.1	171289	TT	CC	CC	NON_SYNONYMOUS_CODING	id201638	Unknown function
SNP_48306B_171305	scaffold466	NW_004515930.1	171305	AA	GG	GG	NON_SYNONYMOUS_CODING	id201638	Unknown function
SNP_48307B_171333	scaffold466	NW_004515930.1	171333	AA	GG	GG	SYNONYMOUS_CODING	id201638	Unknown function
SNP_48308B_171347	scaffold466	NW_004515930.1	171347	GG	AA	AA	NON_SYNONYMOUS_CODING	id201638	Unknown function
SNP_48309B_171350	scaffold466	NW_004515930.1	171350	TT	AA	AA	NON_SYNONYMOUS_CODING	id201638	Unknown function
SNP_48310B_171363	scaffold466	NW_004515930.1	171363	GG	CC	CC	SYNONYMOUS_CODING	id201638	Unknown function
SNP_48311B_171497	scaffold466	NW_004515930.1	171497	TT	GG	GG	INTRON	id201638	Unknown function
SNP_48312B_211926	scaffold466	NW_004515930.1	211926	CC	GG	GG	INTERGENIC		
SNP_48313B_212210	scaffold466	NW_004515930.1	212210	GG	AA	AA	INTERGENIC		
SNP_48314B_212218	scaffold466	NW_004515930.1	212218	GG	AA	AA	INTERGENIC		
SNP_48315B_212228	scaffold466	NW_004515930.1	212228	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48316B_241851	scaffold466	NW_004515930.1	241851	GG	TT	TT	INTERGENIC		
SNP_48317B_254285	scaffold466	NW_004515930.1	254285	AA	TT	TT	INTERGENIC		
SNP_48319B_271024	scaffold466	NW_004515930.1	271024	TT	AA	AA	INTERGENIC		
SNP_48321B_292899	scaffold466	NW_004515930.1	292899	AA	GG	GG	INTERGENIC		
SNP_48322B_292969	scaffold466	NW_004515930.1	292969	CC	AA	AA	INTERGENIC		
SNP_48323B_292970	scaffold466	NW_004515930.1	292970	CC	TT	TT	INTERGENIC		
SNP_48324B_3482	scaffold467	NW_004515931.1	3482	CC	TT	AA	INTERGENIC		
SNP_48325B_3490	scaffold467	NW_004515931.1	3490	CC	GG	GG	INTERGENIC		
SNP_48326B_6422	scaffold467	NW_004515931.1	6422	AA	GG	GG	INTERGENIC		
SNP_48327B_18417	scaffold469	NW_004515932.1	18417	CC	AA	AA	INTERGENIC		
SNP_48328B_19296	scaffold469	NW_004515932.1	19296	GG	AA	AA	INTERGENIC		
SNP_48329B_19328	scaffold469	NW_004515932.1	19328	AA	CC	CC	INTERGENIC		
SNP_48330B_19339	scaffold469	NW_004515932.1	19339	AA	GG	GG	INTERGENIC		
SNP_48331B_19341	scaffold469	NW_004515932.1	19341	AA	CC	CC	INTERGENIC		
SNP_48332B_19376	scaffold469	NW_004515932.1	19376	AA	TT	TT	INTERGENIC		
SNP_48333B_19798	scaffold469	NW_004515932.1	19798	TT	CC	CC	INTERGENIC		
SNP_48334B_19808	scaffold469	NW_004515932.1	19808	GG	AA	AA	INTERGENIC		
SNP_48336B_51994	scaffold469	NW_004515932.1	51994	GG	TT	TT	INTERGENIC		
SNP_48337B_58098	scaffold469	NW_004515932.1	58098	CC	AA	AA	INTERGENIC		
SNP_48339B_135864	scaffold469	NW_004515932.1	135864	TT	CC	CC	INTERGENIC		
SNP_48340B_135866	scaffold469	NW_004515932.1	135866	AA	GG	GG	INTERGENIC		
SNP_48341B_136412	scaffold469	NW_004515932.1	136412	GG	AA	AA	INTERGENIC		
SNP_48342B_164629	scaffold469	NW_004515932.1	164629	TT	CC	CC	INTERGENIC		
SNP_48343B_208019	scaffold469	NW_004515932.1	208019	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48344B_208315	scaffold469	NW_004515932.1	208315	AA	CC	CC	INTERGENIC		
SNP_48345B_208379	scaffold469	NW_004515932.1	208379	GG	TT	TT	INTERGENIC		
SNP_48346B_208381	scaffold469	NW_004515932.1	208381	AA	TT	TT	INTERGENIC		
SNP_48347B_208392	scaffold469	NW_004515932.1	208392	GG	AA	AA	INTERGENIC		
SNP_48348B_222747	scaffold469	NW_004515932.1	222747	GG	TT	TT	INTERGENIC		
SNP_48349B_42718	scaffold470	NW_004515933.1	42718	GG	AA	AA	INTERGENIC		
SNP_48350B_42978	scaffold470	NW_004515933.1	42978	TT	AA	AA	INTERGENIC		
SNP_48351B_43278	scaffold470	NW_004515933.1	43278	CC	GG	GG	INTERGENIC		
SNP_48352B_126335	scaffold470	NW_004515933.1	126335	GG	TT	TT	INTERGENIC		
SNP_48353B_186026	scaffold470	NW_004515933.1	186026	GG	AA	AA	INTERGENIC		
SNP_48355B_186141	scaffold470	NW_004515933.1	186141	TT	AA	AA	INTERGENIC		
SNP_48357B_321728	scaffold470	NW_004515933.1	321728	AA	GG	GG	INTERGENIC		
SNP_48358B_322090	scaffold470	NW_004515933.1	322090	GG	AA	AA	INTERGENIC		
SNP_48359B_322114	scaffold470	NW_004515933.1	322114	CC	AA	AA	INTERGENIC		
SNP_48360B_322115	scaffold470	NW_004515933.1	322115	AA	GG	GG	INTERGENIC		
SNP_48361B_322116	scaffold470	NW_004515933.1	322116	TT	AA	AA	INTERGENIC		
SNP_48362B_336035	scaffold470	NW_004515933.1	336035	CC	TT	TT	INTERGENIC		
SNP_48363B_336090	scaffold470	NW_004515933.1	336090	GG	AA	AA	INTERGENIC		
SNP_48364B_336106	scaffold470	NW_004515933.1	336106	GG	AA	AA	INTERGENIC		
SNP_48365B_336119	scaffold470	NW_004515933.1	336119	AA	TT	TT	INTERGENIC		
SNP_48366B_336127	scaffold470	NW_004515933.1	336127	CC	TT	TT	INTERGENIC		
SNP_48367B_336172	scaffold470	NW_004515933.1	336172	CC	TT	TT	INTERGENIC		
SNP_48368B_336193	scaffold470	NW_004515933.1	336193	AA	TT	TT	INTERGENIC		
SNP_48369B_336208	scaffold470	NW_004515933.1	336208	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48370B_336246	scaffold470	NW_004515933.1	336246	AA	TT	TT	INTERGENIC		
SNP_48371B_336252	scaffold470	NW_004515933.1	336252	AA	TT	TT	INTERGENIC		
SNP_48373B_336375	scaffold470	NW_004515933.1	336375	GG	TT	TT	INTERGENIC		
SNP_48374B_336393	scaffold470	NW_004515933.1	336393	AA	TT	TT	INTERGENIC		
SNP_48375B_336417	scaffold470	NW_004515933.1	336417	TT	AA	AA	INTERGENIC		
SNP_48376B_336450	scaffold470	NW_004515933.1	336450	TT	CC	CC	INTERGENIC		
SNP_48377B_336559	scaffold470	NW_004515933.1	336559	GG	AA	AA	INTERGENIC		
SNP_48378B_336560	scaffold470	NW_004515933.1	336560	AA	TT	TT	INTERGENIC		
SNP_48379B_336672	scaffold470	NW_004515933.1	336672	GG	AA	AA	INTERGENIC		
SNP_48380B_336871	scaffold470	NW_004515933.1	336871	AA	TT	TT	INTERGENIC		
SNP_48381B_347232	scaffold470	NW_004515933.1	347232	CC	GG	GG	INTERGENIC		
SNP_48382B_348038	scaffold470	NW_004515933.1	348038	CC	TT	TT	INTERGENIC		
SNP_48383B_348184	scaffold470	NW_004515933.1	348184	TT	CC	CC	INTERGENIC		
SNP_48384B_348242	scaffold470	NW_004515933.1	348242	CC	AA	AA	INTERGENIC		
SNP_48385B_348369	scaffold470	NW_004515933.1	348369	TT	CC	CC	INTERGENIC		
SNP_48386B_348471	scaffold470	NW_004515933.1	348471	TT	GG	GG	INTERGENIC		
SNP_48387B_348475	scaffold470	NW_004515933.1	348475	AA	CC	CC	INTERGENIC		
SNP_48388B_349488	scaffold470	NW_004515933.1	349488	TT	CC	CC	INTERGENIC		
SNP_48389B_349582	scaffold470	NW_004515933.1	349582	TT	CC	CC	INTERGENIC		
SNP_48390B_356305	scaffold470	NW_004515933.1	356305	GG	TT	TT	INTRON	101506606	uncharacterized LOC101506606
SNP_48391B_362055	scaffold470	NW_004515933.1	362055	AA	GG	GG	INTRON	101506606	uncharacterized LOC101506606
SNP_48393B_368685	scaffold470	NW_004515933.1	368685	GG	AA	AA	INTRON	101506606	uncharacterized LOC101506606
SNP_48394B_369179	scaffold470	NW_004515933.1	369179	TT	GG	GG	INTRON	101506606	uncharacterized LOC101506606
SNP_48395B_369250	scaffold470	NW_004515933.1	369250	TT	CC	CC	INTRON	101506606	uncharacterized LOC101506606

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48396B_369656	scaffold470	NW_004515933.1	369656	TT	GG	GG	INTRON	101506606	uncharacterized LOC101506606
SNP_48397B_370478	scaffold470	NW_004515933.1	370478	GG	AA	AA	INTRON	101506606	uncharacterized LOC101506606
SNP_48398B_370639	scaffold470	NW_004515933.1	370639	GG	AA	AA	INTRON	101506606	uncharacterized LOC101506606
SNP_48400B_370908	scaffold470	NW_004515933.1	370908	AA	TT	TT	INTRON	101506606	uncharacterized LOC101506606
SNP_48401B_371308	scaffold470	NW_004515933.1	371308	TT	CC	CC	URR	101506606	uncharacterized LOC101506606
SNP_48402B_372246	scaffold470	NW_004515933.1	372246	TT	CC	CC	URR	101506606	uncharacterized LOC101506606
SNP_48403B_372407	scaffold470	NW_004515933.1	372407	CC	TT	TT	URR	101506606	uncharacterized LOC101506606
SNP_48404B_372610	scaffold470	NW_004515933.1	372610	CC	TT	TT	URR	101506606	uncharacterized LOC101506606
SNP_48406B_372805	scaffold470	NW_004515933.1	372805	CC	TT	TT	URR	101506606	uncharacterized LOC101506606
SNP_48407B_373041	scaffold470	NW_004515933.1	373041	TT	CC	CC	URR	101506606	uncharacterized LOC101506606
SNP_48408B_373101	scaffold470	NW_004515933.1	373101	TT	GG	GG	URR	101506606	uncharacterized LOC101506606
SNP_48409B_373103	scaffold470	NW_004515933.1	373103	TT	AA	AA	URR	101506606	uncharacterized LOC101506606
SNP_48410B_373290	scaffold470	NW_004515933.1	373290	CC	GG	GG	INTERGENIC		
SNP_48411B_373971	scaffold470	NW_004515933.1	373971	TT	CC	CC	INTERGENIC		
SNP_48412B_374262	scaffold470	NW_004515933.1	374262	CC	AA	AA	INTERGENIC		
SNP_48413B_374414	scaffold470	NW_004515933.1	374414	CC	TT	TT	INTERGENIC		
SNP_48414B_375854	scaffold470	NW_004515933.1	375854	TT	CC	CC	INTERGENIC		
SNP_48416B_377042	scaffold470	NW_004515933.1	377042	CC	TT	TT	INTERGENIC		
SNP_48417B_377536	scaffold470	NW_004515933.1	377536	GG	AA	AA	INTERGENIC		
SNP_48418B_377631	scaffold470	NW_004515933.1	377631	GG	TT	TT	INTERGENIC		
SNP_48419B_377812	scaffold470	NW_004515933.1	377812	CC	TT	TT	INTERGENIC		
SNP_48420B_379789	scaffold470	NW_004515933.1	379789	TT	CC	CC	INTERGENIC		
SNP_48421B_380298	scaffold470	NW_004515933.1	380298	TT	CC	CC	INTERGENIC		
SNP_48422B_382476	scaffold470	NW_004515933.1	382476	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48423B_383895	scaffold470	NW_004515933.1	383895	GG	CC	CC	NON_SYNONYMOUS_CODING	101507265	uncharacterized LOC101507265
SNP_48424B_386302	scaffold470	NW_004515933.1	386302	TT	CC	CC	INTERGENIC		
SNP_48425B_387140	scaffold470	NW_004515933.1	387140	GG	AA	AA	INTERGENIC		
SNP_48426B_389623	scaffold470	NW_004515933.1	389623	TT	CC	CC	INTERGENIC		
SNP_48427B_389700	scaffold470	NW_004515933.1	389700	TT	CC	CC	INTERGENIC		
SNP_48428B_389750	scaffold470	NW_004515933.1	389750	TT	GG	GG	INTERGENIC		
SNP_48429B_389794	scaffold470	NW_004515933.1	389794	TT	CC	CC	INTERGENIC		
SNP_48430B_390002	scaffold470	NW_004515933.1	390002	CC	TT	TT	INTERGENIC		
SNP_48431B_390007	scaffold470	NW_004515933.1	390007	TT	CC	CC	INTERGENIC		
SNP_48432B_3653	scaffold473	NW_004515935.1	3653	GG	AA	AA	INTERGENIC		
SNP_48433B_4677	scaffold473	NW_004515935.1	4677	GG	AA	AA	INTERGENIC		
SNP_48434B_5883	scaffold473	NW_004515935.1	5883	CC	GG	GG	INTERGENIC		
SNP_48435B_6306	scaffold473	NW_004515935.1	6306	AA	GG	GG	INTERGENIC		
SNP_48436B_6335	scaffold473	NW_004515935.1	6335	AA	GG	GG	INTERGENIC		
SNP_48437B_12705	scaffold473	NW_004515935.1	12705	AA	TT	TT	DRR	101508204	probable methyltransferase PMT19
SNP_48438B_12826	scaffold473	NW_004515935.1	12826	GG	AA	AA	DRR	101508204	probable methyltransferase PMT19
SNP_48439B_12843	scaffold473	NW_004515935.1	12843	TT	GG	GG	DRR	101508204	probable methyltransferase PMT19
SNP_48440B_12871	scaffold473	NW_004515935.1	12871	GG	AA	AA	DRR	101508204	probable methyltransferase PMT19
SNP_48441B_12918	scaffold473	NW_004515935.1	12918	GG	TT	TT	NON_SYNONYMOUS_CODING	101508204	probable methyltransferase PMT19
SNP_48442B_12997	scaffold473	NW_004515935.1	12997	GG	CC	CC	NON_SYNONYMOUS_CODING	101508204	probable methyltransferase PMT19
SNP_48443B_13092	scaffold473	NW_004515935.1	13092	AA	GG	GG	SYNONYMOUS_CODING	101508204	probable methyltransferase PMT19
SNP_48444B_13098	scaffold473	NW_004515935.1	13098	AA	TT	TT	SYNONYMOUS_CODING	101508204	probable methyltransferase PMT19
SNP_48445B_13099	scaffold473	NW_004515935.1	13099	CC	GG	GG	NON_SYNONYMOUS_CODING	101508204	probable methyltransferase PMT19
SNP_48446B_13215	scaffold473	NW_004515935.1	13215	TT	AA	AA	INTRON	101508204	probable methyltransferase PMT19

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48447B_13253	scaffold473	NW_004515935.1	13253	AA	CC	CC	INTRON	101508204	probable methyltransferase PMT19
SNP_48448B_13323	scaffold473	NW_004515935.1	13323	AA	GG	GG	INTRON	101508204	probable methyltransferase PMT19
SNP_48449B_30356	scaffold473	NW_004515935.1	30356	GG	TT	TT	INTRON	101507893	superkiller viralicidic activity 2-like 2
SNP_48450B_20221	scaffold475	NW_004515936.1	20221	TT	CC	CC	INTERGENIC		
SNP_48451B_20255	scaffold475	NW_004515936.1	20255	AA	GG	GG	INTERGENIC		
SNP_48452B_36446	scaffold475	NW_004515936.1	36446	AA	TT	TT	INTERGENIC		
SNP_48453B_39572	scaffold475	NW_004515936.1	39572	GG	AA	AA	INTERGENIC		
SNP_48454B_88872	scaffold475	NW_004515936.1	88872	AA	GG	GG	INTERGENIC		
SNP_48455B_89244	scaffold475	NW_004515936.1	89244	GG	AA	AA	INTERGENIC		
SNP_48456B_89266	scaffold475	NW_004515936.1	89266	TT	CC	CC	INTERGENIC		
SNP_48457B_89286	scaffold475	NW_004515936.1	89286	TT	CC	CC	INTERGENIC		
SNP_48458B_121504	scaffold475	NW_004515936.1	121504	TT	CC	CC	INTERGENIC		
SNP_48459B_121561	scaffold475	NW_004515936.1	121561	AA	GG	GG	INTERGENIC		
SNP_48460B_130700	scaffold475	NW_004515936.1	130700	TT	GG	GG	INTERGENIC		
SNP_48462B_141418	scaffold475	NW_004515936.1	141418	TT	CC	CC	INTERGENIC		
SNP_48463B_141419	scaffold475	NW_004515936.1	141419	AA	TT	TT	INTERGENIC		
SNP_48464B_141448	scaffold475	NW_004515936.1	141448	TT	CC	CC	INTERGENIC		
SNP_48465B_141487	scaffold475	NW_004515936.1	141487	CC	TT	TT	INTERGENIC		
SNP_48466B_141497	scaffold475	NW_004515936.1	141497	GG	AA	AA	INTERGENIC		
SNP_48467B_141506	scaffold475	NW_004515936.1	141506	TT	CC	CC	INTERGENIC		
SNP_48468B_144184	scaffold475	NW_004515936.1	144184	AA	GG	GG	DRR	101508528	Unknown function
SNP_48469B_144346	scaffold475	NW_004515936.1	144346	TT	CC	CC	DRR	101508528	Unknown function
SNP_48470B_144470	scaffold475	NW_004515936.1	144470	AA	TT	TT	DRR	101508528	Unknown function
SNP_48471B_144483	scaffold475	NW_004515936.1	144483	GG	CC	CC	DRR	101508528	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48472B_144507	scaffold475	NW_004515936.1	144507	TT	CC	CC	DRR	101508528	Unknown function
SNP_48473B_144509	scaffold475	NW_004515936.1	144509	AA	CC	CC	DRR	101508528	Unknown function
SNP_48474B_144902	scaffold475	NW_004515936.1	144902	TT	CC	CC	INTERGENIC		
SNP_48475B_144920	scaffold475	NW_004515936.1	144920	AA	CC	CC	INTERGENIC		
SNP_48476B_144942	scaffold475	NW_004515936.1	144942	TT	AA	AA	INTERGENIC		
SNP_48477B_144995	scaffold475	NW_004515936.1	144995	CC	TT	TT	INTERGENIC		
SNP_48478B_145006	scaffold475	NW_004515936.1	145006	TT	AA	AA	INTERGENIC		
SNP_48479B_145013	scaffold475	NW_004515936.1	145013	AA	GG	GG	INTERGENIC		
SNP_48480B_145025	scaffold475	NW_004515936.1	145025	TT	GG	GG	INTERGENIC		
SNP_48481B_145070	scaffold475	NW_004515936.1	145070	AA	GG	GG	INTERGENIC		
SNP_48482B_145178	scaffold475	NW_004515936.1	145178	AA	GG	GG	INTERGENIC		
SNP_48483B_145201	scaffold475	NW_004515936.1	145201	AA	GG	GG	INTERGENIC		
SNP_48484B_145386	scaffold475	NW_004515936.1	145386	TT	CC	CC	INTERGENIC		
SNP_48485B_145389	scaffold475	NW_004515936.1	145389	GG	CC	CC	INTERGENIC		
SNP_48486B_145454	scaffold475	NW_004515936.1	145454	AA	GG	GG	INTERGENIC		
SNP_48487B_148753	scaffold475	NW_004515936.1	148753	TT	CC	CC	NON_SYNONYMOUS_CODING	101508841	Unknown function
SNP_48488B_148796	scaffold475	NW_004515936.1	148796	AA	GG	GG	SYNONYMOUS_CODING	101508841	Unknown function
SNP_48489B_148798	scaffold475	NW_004515936.1	148798	AA	GG	GG	NON_SYNONYMOUS_CODING	101508841	Unknown function
SNP_48490B_163120	scaffold475	NW_004515936.1	163120	AA	GG	GG	INTERGENIC		
SNP_48491B_163134	scaffold475	NW_004515936.1	163134	TT	GG	GG	INTERGENIC		
SNP_48492B_163218	scaffold475	NW_004515936.1	163218	TT	CC	CC	INTERGENIC		
SNP_48493B_163225	scaffold475	NW_004515936.1	163225	AA	GG	GG	INTERGENIC		
SNP_48494B_163253	scaffold475	NW_004515936.1	163253	TT	GG	GG	INTERGENIC		
SNP_48495B_163296	scaffold475	NW_004515936.1	163296	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48496B_163316	scaffold475	NW_004515936.1	163316	GG	CC	CC	INTERGENIC		
SNP_48497B_163332	scaffold475	NW_004515936.1	163332	TT	CC	CC	INTERGENIC		
SNP_48498B_163367	scaffold475	NW_004515936.1	163367	GG	CC	CC	INTERGENIC		
SNP_48499B_163389	scaffold475	NW_004515936.1	163389	TT	CC	CC	INTERGENIC		
SNP_48500B_163424	scaffold475	NW_004515936.1	163424	AA	GG	GG	INTERGENIC		
SNP_48501B_163438	scaffold475	NW_004515936.1	163438	TT	CC	CC	INTERGENIC		
SNP_48502B_163458	scaffold475	NW_004515936.1	163458	TT	CC	CC	INTERGENIC		
SNP_48503B_163467	scaffold475	NW_004515936.1	163467	TT	GG	GG	INTERGENIC		
SNP_48504B_163514	scaffold475	NW_004515936.1	163514	AA	GG	GG	INTERGENIC		
SNP_48505B_163559	scaffold475	NW_004515936.1	163559	TT	CC	CC	INTERGENIC		
SNP_48506B_163616	scaffold475	NW_004515936.1	163616	TT	CC	CC	INTERGENIC		
SNP_48507B_163688	scaffold475	NW_004515936.1	163688	AA	GG	GG	INTERGENIC		
SNP_48508B_163755	scaffold475	NW_004515936.1	163755	CC	AA	AA	INTERGENIC		
SNP_48509B_163786	scaffold475	NW_004515936.1	163786	TT	CC	CC	INTERGENIC		
SNP_48510B_163787	scaffold475	NW_004515936.1	163787	AA	GG	GG	INTERGENIC		
SNP_48511B_163824	scaffold475	NW_004515936.1	163824	CC	TT	TT	INTERGENIC		
SNP_48512B_163825	scaffold475	NW_004515936.1	163825	AA	GG	GG	INTERGENIC		
SNP_48513B_163850	scaffold475	NW_004515936.1	163850	TT	GG	GG	INTERGENIC		
SNP_48514B_163886	scaffold475	NW_004515936.1	163886	AA	CC	CC	INTERGENIC		
SNP_48515B_164259	scaffold475	NW_004515936.1	164259	TT	CC	CC	INTERGENIC		
SNP_48516B_164291	scaffold475	NW_004515936.1	164291	AA	GG	GG	INTERGENIC		
SNP_48517B_167552	scaffold475	NW_004515936.1	167552	TT	CC	CC	DRR	101509164	Unknown function
SNP_48518B_167620	scaffold475	NW_004515936.1	167620	AA	GG	GG	DRR	101509164	Unknown function
SNP_48520B_174726	scaffold475	NW_004515936.1	174726	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48521B_174744	scaffold475	NW_004515936.1	174744	AA	TT	TT	INTERGENIC		
SNP_48522B_174775	scaffold475	NW_004515936.1	174775	AA	TT	TT	INTERGENIC		
SNP_48523B_175023	scaffold475	NW_004515936.1	175023	AA	GG	GG	INTERGENIC		
SNP_48524B_175193	scaffold475	NW_004515936.1	175193	AA	CC	CC	INTERGENIC		
SNP_48525B_177151	scaffold475	NW_004515936.1	177151	TT	CC	CC	INTERGENIC		
SNP_48526B_177153	scaffold475	NW_004515936.1	177153	GG	CC	CC	INTERGENIC		
SNP_48527B_177523	scaffold475	NW_004515936.1	177523	GG	TT	TT	INTERGENIC		
SNP_48528B_189810	scaffold475	NW_004515936.1	189810	AA	TT	TT	INTERGENIC		
SNP_48529B_189828	scaffold475	NW_004515936.1	189828	CC	AA	AA	INTERGENIC		
SNP_48530B_120	scaffold476	NW_004515937.1	120	CC	TT	TT	INTERGENIC		
SNP_48531B_224	scaffold476	NW_004515937.1	224	TT	CC	CC	INTERGENIC		
SNP_48532B_295	scaffold476	NW_004515937.1	295	CC	TT	TT	INTERGENIC		
SNP_48533B_308	scaffold476	NW_004515937.1	308	TT	CC	CC	INTERGENIC		
SNP_48534B_420	scaffold476	NW_004515937.1	420	CC	TT	TT	INTERGENIC		
SNP_48535B_604	scaffold476	NW_004515937.1	604	AA	TT	TT	INTERGENIC		
SNP_48536B_645	scaffold476	NW_004515937.1	645	GG	AA	AA	INTERGENIC		
SNP_48537B_724	scaffold476	NW_004515937.1	724	AA	CC	CC	INTERGENIC		
SNP_48538B_763	scaffold476	NW_004515937.1	763	AA	GG	GG	INTERGENIC		
SNP_48539B_814	scaffold476	NW_004515937.1	814	TT	CC	CC	INTERGENIC		
SNP_48540B_1007	scaffold476	NW_004515937.1	1007	GG	TT	TT	INTERGENIC		
SNP_48541B_1069	scaffold476	NW_004515937.1	1069	GG	TT	TT	INTERGENIC		
SNP_48542B_1083	scaffold476	NW_004515937.1	1083	GG	AA	AA	INTERGENIC		
SNP_48543B_1183	scaffold476	NW_004515937.1	1183	AA	CC	CC	INTERGENIC		
SNP_48544B_1223	scaffold476	NW_004515937.1	1223	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48545B_1350	scaffold476	NW_004515937.1	1350	TT	GG	GG	INTERGENIC		
SNP_48546B_1370	scaffold476	NW_004515937.1	1370	TT	AA	AA	INTERGENIC		
SNP_48547B_1567	scaffold476	NW_004515937.1	1567	TT	CC	CC	INTERGENIC		
SNP_48548B_10250	scaffold476	NW_004515937.1	10250	TT	GG	GG	INTERGENIC		
SNP_48549B_10548	scaffold476	NW_004515937.1	10548	GG	AA	AA	INTERGENIC		
SNP_48550B_10856	scaffold476	NW_004515937.1	10856	AA	GG	GG	INTERGENIC		
SNP_48551B_10929	scaffold476	NW_004515937.1	10929	TT	CC	CC	INTERGENIC		
SNP_48552B_10930	scaffold476	NW_004515937.1	10930	TT	CC	CC	INTERGENIC		
SNP_48553B_10961	scaffold476	NW_004515937.1	10961	AA	GG	GG	INTERGENIC		
SNP_48554B_11018	scaffold476	NW_004515937.1	11018	AA	GG	GG	INTERGENIC		
SNP_48555B_11423	scaffold476	NW_004515937.1	11423	GG	AA	AA	INTERGENIC		
SNP_48556B_11426	scaffold476	NW_004515937.1	11426	GG	AA	AA	INTERGENIC		
SNP_48557B_11440	scaffold476	NW_004515937.1	11440	AA	GG	GG	INTERGENIC		
SNP_48558B_11472	scaffold476	NW_004515937.1	11472	CC	GG	GG	INTERGENIC		
SNP_48559B_867	scaffold477	NW_004515938.1	867	GG	AA	AA	INTERGENIC		
SNP_48560B_4449	scaffold477	NW_004515938.1	4449	TT	CC	CC	INTERGENIC		
SNP_48561B_4705	scaffold477	NW_004515938.1	4705	CC	GG	GG	INTERGENIC		
SNP_48562B_5406	scaffold477	NW_004515938.1	5406	CC	GG	GG	INTERGENIC		
SNP_48563B_6452	scaffold477	NW_004515938.1	6452	CC	TT	TT	INTERGENIC		
SNP_48564B_6510	scaffold477	NW_004515938.1	6510	CC	TT	TT	INTERGENIC		
SNP_48565B_6705	scaffold477	NW_004515938.1	6705	AA	GG	GG	INTERGENIC		
SNP_48566B_7622	scaffold477	NW_004515938.1	7622	TT	CC	CC	INTERGENIC		
SNP_48567B_8790	scaffold477	NW_004515938.1	8790	TT	CC	CC	INTERGENIC		
SNP_48568B_9157	scaffold477	NW_004515938.1	9157	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48569B_9416	scaffold477	NW_004515938.1	9416	CC	GG	GG	INTERGENIC		
SNP_48570B_9466	scaffold477	NW_004515938.1	9466	CC	AA	AA	INTERGENIC		
SNP_48571B_9779	scaffold477	NW_004515938.1	9779	CC	GG	GG	INTERGENIC		
SNP_48572B_9929	scaffold477	NW_004515938.1	9929	GG	AA	AA	INTERGENIC		
SNP_48573B_10133	scaffold477	NW_004515938.1	10133	GG	TT	TT	INTERGENIC		
SNP_48574B_10141	scaffold477	NW_004515938.1	10141	TT	CC	CC	INTERGENIC		
SNP_48575B_10229	scaffold477	NW_004515938.1	10229	AA	TT	TT	INTERGENIC		
SNP_48576B_10326	scaffold477	NW_004515938.1	10326	GG	TT	TT	INTERGENIC		
SNP_48577B_10333	scaffold477	NW_004515938.1	10333	TT	GG	GG	INTERGENIC		
SNP_48578B_10402	scaffold477	NW_004515938.1	10402	AA	GG	GG	INTERGENIC		
SNP_48579B_10601	scaffold477	NW_004515938.1	10601	TT	AA	AA	INTERGENIC		
SNP_48580B_10738	scaffold477	NW_004515938.1	10738	GG	AA	AA	INTERGENIC		
SNP_48581B_10766	scaffold477	NW_004515938.1	10766	CC	GG	GG	INTERGENIC		
SNP_48582B_10822	scaffold477	NW_004515938.1	10822	TT	AA	AA	INTERGENIC		
SNP_48583B_10839	scaffold477	NW_004515938.1	10839	TT	AA	AA	INTERGENIC		
SNP_48584B_11193	scaffold477	NW_004515938.1	11193	GG	AA	AA	INTERGENIC		
SNP_48585B_11248	scaffold477	NW_004515938.1	11248	AA	TT	TT	INTERGENIC		
SNP_48587B_11634	scaffold477	NW_004515938.1	11634	AA	GG	GG	INTERGENIC		
SNP_48588B_11713	scaffold477	NW_004515938.1	11713	GG	AA	AA	INTERGENIC		
SNP_48589B_11738	scaffold477	NW_004515938.1	11738	AA	TT	TT	INTERGENIC		
SNP_48590B_11795	scaffold477	NW_004515938.1	11795	AA	GG	GG	INTERGENIC		
SNP_48591B_11830	scaffold477	NW_004515938.1	11830	AA	GG	GG	INTERGENIC		
SNP_48592B_11855	scaffold477	NW_004515938.1	11855	GG	AA	AA	INTERGENIC		
SNP_48593B_11901	scaffold477	NW_004515938.1	11901	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48594B_11910	scaffold477	NW_004515938.1	11910	CC	TT	TT	INTERGENIC		
SNP_48595B_11954	scaffold477	NW_004515938.1	11954	TT	AA	AA	INTERGENIC		
SNP_48596B_11983	scaffold477	NW_004515938.1	11983	GG	AA	AA	INTERGENIC		
SNP_48597B_11985	scaffold477	NW_004515938.1	11985	TT	CC	CC	INTERGENIC		
SNP_48598B_12038	scaffold477	NW_004515938.1	12038	TT	CC	CC	INTERGENIC		
SNP_48599B_12074	scaffold477	NW_004515938.1	12074	CC	GG	GG	INTERGENIC		
SNP_48600B_12208	scaffold477	NW_004515938.1	12208	AA	CC	CC	INTERGENIC		
SNP_48601B_12225	scaffold477	NW_004515938.1	12225	TT	CC	CC	INTERGENIC		
SNP_48602B_12390	scaffold477	NW_004515938.1	12390	GG	AA	AA	INTERGENIC		
SNP_48603B_12648	scaffold477	NW_004515938.1	12648	CC	AA	AA	INTERGENIC		
SNP_48604B_12664	scaffold477	NW_004515938.1	12664	CC	TT	TT	INTERGENIC		
SNP_48605B_12822	scaffold477	NW_004515938.1	12822	CC	AA	AA	INTERGENIC		
SNP_48606B_13004	scaffold477	NW_004515938.1	13004	GG	TT	TT	INTERGENIC		
SNP_48607B_13398	scaffold477	NW_004515938.1	13398	AA	GG	GG	INTERGENIC		
SNP_48608B_13532	scaffold477	NW_004515938.1	13532	GG	TT	TT	INTERGENIC		
SNP_48609B_13569	scaffold477	NW_004515938.1	13569	GG	AA	AA	INTERGENIC		
SNP_48610B_14445	scaffold477	NW_004515938.1	14445	TT	CC	CC	INTERGENIC		
SNP_48611B_14492	scaffold477	NW_004515938.1	14492	TT	GG	GG	INTERGENIC		
SNP_48612B_15351	scaffold477	NW_004515938.1	15351	CC	TT	TT	INTERGENIC		
SNP_48613B_15469	scaffold477	NW_004515938.1	15469	CC	AA	AA	INTERGENIC		
SNP_48614B_15667	scaffold477	NW_004515938.1	15667	CC	AA	AA	INTERGENIC		
SNP_48615B_15676	scaffold477	NW_004515938.1	15676	CC	TT	TT	INTERGENIC		
SNP_48616B_15892	scaffold477	NW_004515938.1	15892	GG	AA	AA	INTERGENIC		
SNP_48617B_16326	scaffold477	NW_004515938.1	16326	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48618B_16335	scaffold477	NW_004515938.1	16335	TT	CC	CC	INTERGENIC		
SNP_48619B_16808	scaffold477	NW_004515938.1	16808	CC	TT	TT	INTERGENIC		
SNP_48620B_17366	scaffold477	NW_004515938.1	17366	CC	AA	AA	INTERGENIC		
SNP_48621B_17370	scaffold477	NW_004515938.1	17370	AA	TT	TT	INTERGENIC		
SNP_48622B_17800	scaffold477	NW_004515938.1	17800	CC	TT	TT	INTERGENIC		
SNP_48623B_19490	scaffold477	NW_004515938.1	19490	GG	AA	AA	INTERGENIC		
SNP_48624B_20371	scaffold477	NW_004515938.1	20371	TT	GG	GG	INTERGENIC		
SNP_48625B_20448	scaffold477	NW_004515938.1	20448	TT	CC	CC	INTERGENIC		
SNP_48626B_20648	scaffold477	NW_004515938.1	20648	AA	GG	GG	INTERGENIC		
SNP_48628B_20997	scaffold477	NW_004515938.1	20997	TT	CC	CC	INTERGENIC		
SNP_48629B_21170	scaffold477	NW_004515938.1	21170	CC	TT	TT	INTERGENIC		
SNP_48630B_21409	scaffold477	NW_004515938.1	21409	TT	CC	CC	INTERGENIC		
SNP_48631B_22472	scaffold477	NW_004515938.1	22472	TT	GG	GG	INTERGENIC		
SNP_48632B_22617	scaffold477	NW_004515938.1	22617	AA	GG	GG	INTERGENIC		
SNP_48633B_22639	scaffold477	NW_004515938.1	22639	GG	TT	TT	INTERGENIC		
SNP_48634B_22677	scaffold477	NW_004515938.1	22677	TT	CC	CC	INTERGENIC		
SNP_48635B_22692	scaffold477	NW_004515938.1	22692	TT	GG	GG	INTERGENIC		
SNP_48636B_22907	scaffold477	NW_004515938.1	22907	GG	AA	AA	INTERGENIC		
SNP_48637B_23614	scaffold477	NW_004515938.1	23614	TT	CC	CC	INTERGENIC		
SNP_48639B_28447	scaffold477	NW_004515938.1	28447	CC	TT	TT	INTERGENIC		
SNP_48640B_30368	scaffold477	NW_004515938.1	30368	AA	GG	GG	INTERGENIC		
SNP_48641B_30824	scaffold477	NW_004515938.1	30824	CC	GG	GG	INTERGENIC		
SNP_48642B_31469	scaffold477	NW_004515938.1	31469	GG	TT	TT	INTERGENIC		
SNP_48643B_32151	scaffold477	NW_004515938.1	32151	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48644B_32359	scaffold477	NW_004515938.1	32359	TT	CC	CC	INTERGENIC		
SNP_48645B_32466	scaffold477	NW_004515938.1	32466	GG	AA	AA	INTERGENIC		
SNP_48646B_33553	scaffold477	NW_004515938.1	33553	AA	TT	TT	INTERGENIC		
SNP_48647B_33649	scaffold477	NW_004515938.1	33649	TT	CC	CC	INTERGENIC		
SNP_48648B_33965	scaffold477	NW_004515938.1	33965	TT	CC	CC	INTERGENIC		
SNP_48649B_34349	scaffold477	NW_004515938.1	34349	TT	GG	GG	INTERGENIC		
SNP_48650B_34476	scaffold477	NW_004515938.1	34476	TT	GG	GG	INTERGENIC		
SNP_48651B_35104	scaffold477	NW_004515938.1	35104	AA	CC	CC	INTERGENIC		
SNP_48652B_35106	scaffold477	NW_004515938.1	35106	AA	TT	TT	INTERGENIC		
SNP_48653B_35822	scaffold477	NW_004515938.1	35822	CC	TT	TT	INTERGENIC		
SNP_48654B_37244	scaffold477	NW_004515938.1	37244	TT	CC	CC	INTERGENIC		
SNP_48655B_43429	scaffold477	NW_004515938.1	43429	CC	AA	AA	INTERGENIC		
SNP_48656B_43907	scaffold477	NW_004515938.1	43907	CC	TT	TT	INTERGENIC		
SNP_48657B_43934	scaffold477	NW_004515938.1	43934	TT	CC	CC	INTERGENIC		
SNP_48658B_44019	scaffold477	NW_004515938.1	44019	TT	CC	CC	INTERGENIC		
SNP_48659B_44296	scaffold477	NW_004515938.1	44296	GG	TT	TT	INTERGENIC		
SNP_48660B_44658	scaffold477	NW_004515938.1	44658	AA	CC	CC	INTERGENIC		
SNP_48661B_46082	scaffold477	NW_004515938.1	46082	CC	AA	AA	INTERGENIC		
SNP_48662B_46488	scaffold477	NW_004515938.1	46488	CC	TT	TT	INTERGENIC		
SNP_48664B_46907	scaffold477	NW_004515938.1	46907	GG	AA	AA	INTERGENIC		
SNP_48665B_47207	scaffold477	NW_004515938.1	47207	TT	CC	CC	INTERGENIC		
SNP_48666B_47381	scaffold477	NW_004515938.1	47381	GG	AA	AA	INTERGENIC		
SNP_48667B_47423	scaffold477	NW_004515938.1	47423	TT	AA	AA	INTERGENIC		
SNP_48668B_47488	scaffold477	NW_004515938.1	47488	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48669B_47626	scaffold477	NW_004515938.1	47626	CC	TT	TT	INTERGENIC		
SNP_48670B_52358	scaffold477	NW_004515938.1	52358	AA	GG	GG	INTERGENIC		
SNP_48671B_52408	scaffold477	NW_004515938.1	52408	TT	CC	CC	INTERGENIC		
SNP_48672B_52979	scaffold477	NW_004515938.1	52979	TT	AA	AA	INTERGENIC		
SNP_48673B_53082	scaffold477	NW_004515938.1	53082	AA	CC	CC	INTERGENIC		
SNP_48674B_53456	scaffold477	NW_004515938.1	53456	AA	GG	GG	INTERGENIC		
SNP_48675B_53517	scaffold477	NW_004515938.1	53517	CC	TT	TT	INTERGENIC		
SNP_48676B_53526	scaffold477	NW_004515938.1	53526	GG	AA	AA	INTERGENIC		
SNP_48677B_55129	scaffold477	NW_004515938.1	55129	GG	AA	AA	INTERGENIC		
SNP_48678B_55386	scaffold477	NW_004515938.1	55386	TT	CC	CC	INTERGENIC		
SNP_48679B_55728	scaffold477	NW_004515938.1	55728	AA	GG	GG	INTERGENIC		
SNP_48680B_55871	scaffold477	NW_004515938.1	55871	TT	CC	CC	INTERGENIC		
SNP_48681B_55911	scaffold477	NW_004515938.1	55911	AA	GG	GG	INTERGENIC		
SNP_48682B_55994	scaffold477	NW_004515938.1	55994	GG	AA	AA	INTERGENIC		
SNP_48683B_56733	scaffold477	NW_004515938.1	56733	TT	CC	CC	INTERGENIC		
SNP_48684B_57038	scaffold477	NW_004515938.1	57038	TT	CC	CC	INTERGENIC		
SNP_48685B_59192	scaffold477	NW_004515938.1	59192	CC	AA	AA	INTERGENIC		
SNP_48686B_59336	scaffold477	NW_004515938.1	59336	CC	TT	TT	INTERGENIC		
SNP_48687B_60882	scaffold477	NW_004515938.1	60882	TT	GG	GG	DRR	101510130	uncharacterized LOC101510130
SNP_48688B_62439	scaffold477	NW_004515938.1	62439	CC	AA	AA	URR	101510130	uncharacterized LOC101510130
SNP_48689B_62474	scaffold477	NW_004515938.1	62474	AA	TT	TT	URR	101510130	uncharacterized LOC101510130
SNP_48690B_62526	scaffold477	NW_004515938.1	62526	GG	TT	TT	URR	101510130	uncharacterized LOC101510130
SNP_48691B_65338	scaffold477	NW_004515938.1	65338	GG	AA	AA	INTERGENIC		
SNP_48692B_65356	scaffold477	NW_004515938.1	65356	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48693B_65579	scaffold477	NW_004515938.1	65579	GG	AA	AA	INTERGENIC		
SNP_48694B_6026	scaffold479	NW_004515940.1	6026	TT	AA	AA	INTERGENIC		
SNP_48695B_6054	scaffold479	NW_004515940.1	6054	CC	GG	GG	INTERGENIC		
SNP_48696B_6980	scaffold479	NW_004515940.1	6980	AA	GG	GG	INTERGENIC		
SNP_48697B_6999	scaffold479	NW_004515940.1	6999	TT	GG	GG	INTERGENIC		
SNP_48698B_7453	scaffold479	NW_004515940.1	7453	TT	AA	AA	INTERGENIC		
SNP_48700B_7697	scaffold479	NW_004515940.1	7697	TT	AA	AA	INTERGENIC		
SNP_48701B_15426	scaffold479	NW_004515940.1	15426	GG	AA	AA	INTERGENIC		
SNP_48702B_15435	scaffold479	NW_004515940.1	15435	AA	GG	GG	INTERGENIC		
SNP_48703B_16585	scaffold479	NW_004515940.1	16585	AA	GG	GG	INTERGENIC		
SNP_48704B_16599	scaffold479	NW_004515940.1	16599	CC	GG	GG	INTERGENIC		
SNP_48705B_16690	scaffold479	NW_004515940.1	16690	AA	GG	GG	INTERGENIC		
SNP_48706B_16741	scaffold479	NW_004515940.1	16741	AA	GG	GG	INTERGENIC		
SNP_48708B_16821	scaffold479	NW_004515940.1	16821	AA	GG	GG	INTERGENIC		
SNP_48709B_16835	scaffold479	NW_004515940.1	16835	GG	AA	AA	INTERGENIC		
SNP_48710B_16933	scaffold479	NW_004515940.1	16933	AA	GG	GG	INTERGENIC		
SNP_48711B_17004	scaffold479	NW_004515940.1	17004	TT	AA	AA	INTERGENIC		
SNP_48712B_17005	scaffold479	NW_004515940.1	17005	AA	TT	TT	INTERGENIC		
SNP_48713B_17050	scaffold479	NW_004515940.1	17050	AA	CC	CC	INTERGENIC		
SNP_48714B_17133	scaffold479	NW_004515940.1	17133	TT	CC	CC	INTERGENIC		
SNP_48715B_17939	scaffold479	NW_004515940.1	17939	GG	TT	TT	INTERGENIC		
SNP_48716B_17959	scaffold479	NW_004515940.1	17959	AA	GG	GG	INTERGENIC		
SNP_48717B_17999	scaffold479	NW_004515940.1	17999	CC	TT	TT	INTERGENIC		
SNP_48718B_18046	scaffold479	NW_004515940.1	18046	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48719B_18276	scaffold479	NW_004515940.1	18276	AA	GG	GG	INTERGENIC		
SNP_48720B_20257	scaffold479	NW_004515940.1	20257	TT	CC	CC	INTERGENIC		
SNP_48721B_20409	scaffold479	NW_004515940.1	20409	CC	TT	TT	INTERGENIC		
SNP_48722B_20445	scaffold479	NW_004515940.1	20445	TT	CC	CC	INTERGENIC		
SNP_48723B_20448	scaffold479	NW_004515940.1	20448	GG	AA	AA	INTERGENIC		
SNP_48724B_31540	scaffold479	NW_004515940.1	31540	CC	TT	TT	INTERGENIC		
SNP_48725B_31588	scaffold479	NW_004515940.1	31588	TT	AA	AA	INTERGENIC		
SNP_48726B_31620	scaffold479	NW_004515940.1	31620	AA	TT	TT	INTERGENIC		
SNP_48727B_47330	scaffold479	NW_004515940.1	47330	AA	CC	CC	INTERGENIC		
SNP_48728B_47360	scaffold479	NW_004515940.1	47360	TT	GG	GG	INTERGENIC		
SNP_48729B_47361	scaffold479	NW_004515940.1	47361	CC	AA	AA	INTERGENIC		
SNP_48730B_47380	scaffold479	NW_004515940.1	47380	AA	TT	TT	INTERGENIC		
SNP_48731B_47386	scaffold479	NW_004515940.1	47386	TT	CC	CC	INTERGENIC		
SNP_48732B_47390	scaffold479	NW_004515940.1	47390	AA	GG	GG	INTERGENIC		
SNP_48733B_47399	scaffold479	NW_004515940.1	47399	AA	TT	TT	INTERGENIC		
SNP_48734B_48735	scaffold479	NW_004515940.1	48735	TT	CC	CC	INTERGENIC		
SNP_48735B_48778	scaffold479	NW_004515940.1	48778	CC	TT	TT	INTERGENIC		
SNP_48736B_48930	scaffold479	NW_004515940.1	48930	GG	AA	AA	INTERGENIC		
SNP_48737B_48932	scaffold479	NW_004515940.1	48932	TT	GG	GG	INTERGENIC		
SNP_48738B_55445	scaffold479	NW_004515940.1	55445	TT	AA	AA	INTERGENIC		
SNP_48739B_55609	scaffold479	NW_004515940.1	55609	GG	TT	TT	INTERGENIC		
SNP_48740B_79540	scaffold479	NW_004515940.1	79540	AA	TT	TT	INTERGENIC		
SNP_48741B_79556	scaffold479	NW_004515940.1	79556	TT	CC	CC	INTERGENIC		
SNP_48742B_79568	scaffold479	NW_004515940.1	79568	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48743B_87565	scaffold479	NW_004515940.1	87565	AA	GG	GG	INTERGENIC		
SNP_48744B_87670	scaffold479	NW_004515940.1	87670	TT	CC	CC	INTERGENIC		
SNP_48745B_88001	scaffold479	NW_004515940.1	88001	GG	AA	AA	INTERGENIC		
SNP_48746B_88215	scaffold479	NW_004515940.1	88215	AA	CC	CC	INTERGENIC		
SNP_48747B_88230	scaffold479	NW_004515940.1	88230	GG	TT	TT	INTERGENIC		
SNP_48749B_116985	scaffold479	NW_004515940.1	116985	CC	AA	AA	INTERGENIC		
SNP_48750B_117041	scaffold479	NW_004515940.1	117041	TT	GG	GG	INTERGENIC		
SNP_48751B_121997	scaffold479	NW_004515940.1	121997	TT	AA	AA	INTERGENIC		
SNP_48752B_122036	scaffold479	NW_004515940.1	122036	TT	CC	CC	INTERGENIC		
SNP_48753B_122037	scaffold479	NW_004515940.1	122037	TT	AA	AA	INTERGENIC		
SNP_48754B_125189	scaffold479	NW_004515940.1	125189	GG	CC	CC	INTERGENIC		
SNP_48755B_125261	scaffold479	NW_004515940.1	125261	TT	CC	CC	INTERGENIC		
SNP_48757B_125425	scaffold479	NW_004515940.1	125425	TT	AA	AA	INTERGENIC		
SNP_48758B_125573	scaffold479	NW_004515940.1	125573	TT	CC	CC	INTERGENIC		
SNP_48759B_125574	scaffold479	NW_004515940.1	125574	GG	AA	AA	INTERGENIC		
SNP_48760B_125578	scaffold479	NW_004515940.1	125578	TT	AA	AA	INTERGENIC		
SNP_48761B_125591	scaffold479	NW_004515940.1	125591	TT	CC	CC	INTERGENIC		
SNP_48762B_125640	scaffold479	NW_004515940.1	125640	AA	GG	GG	INTERGENIC		
SNP_48763B_125660	scaffold479	NW_004515940.1	125660	GG	AA	AA	INTERGENIC		
SNP_48764B_125664	scaffold479	NW_004515940.1	125664	TT	CC	CC	INTERGENIC		
SNP_48765B_125682	scaffold479	NW_004515940.1	125682	GG	TT	TT	INTERGENIC		
SNP_48766B_126076	scaffold479	NW_004515940.1	126076	TT	AA	AA	INTERGENIC		
SNP_48767B_129289	scaffold479	NW_004515940.1	129289	CC	TT	TT	INTERGENIC		
SNP_48768B_129342	scaffold479	NW_004515940.1	129342	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48769B_130498	scaffold479	NW_004515940.1	130498	CC	TT	TT	INTERGENIC		
SNP_48770B_130504	scaffold479	NW_004515940.1	130504	AA	TT	TT	INTERGENIC		
SNP_48771B_130575	scaffold479	NW_004515940.1	130575	TT	GG	GG	INTERGENIC		
SNP_48772B_130607	scaffold479	NW_004515940.1	130607	TT	GG	GG	INTERGENIC		
SNP_48773B_130715	scaffold479	NW_004515940.1	130715	TT	CC	CC	INTERGENIC		
SNP_48774B_130884	scaffold479	NW_004515940.1	130884	TT	AA	AA	INTERGENIC		
SNP_48775B_130956	scaffold479	NW_004515940.1	130956	AA	CC	CC	INTERGENIC		
SNP_48776B_130961	scaffold479	NW_004515940.1	130961	GG	AA	AA	INTERGENIC		
SNP_48777B_130969	scaffold479	NW_004515940.1	130969	AA	CC	CC	INTERGENIC		
SNP_48778B_130971	scaffold479	NW_004515940.1	130971	AA	GG	GG	INTERGENIC		
SNP_48779B_131012	scaffold479	NW_004515940.1	131012	AA	TT	TT	INTERGENIC		
SNP_48780B_131033	scaffold479	NW_004515940.1	131033	TT	CC	CC	INTERGENIC		
SNP_48781B_131047	scaffold479	NW_004515940.1	131047	TT	AA	AA	INTERGENIC		
SNP_48782B_139230	scaffold479	NW_004515940.1	139230	GG	TT	TT	INTERGENIC		
SNP_48783B_139234	scaffold479	NW_004515940.1	139234	TT	GG	GG	INTERGENIC		
SNP_48784B_139259	scaffold479	NW_004515940.1	139259	TT	GG	GG	INTERGENIC		
SNP_48785B_139290	scaffold479	NW_004515940.1	139290	TT	CC	CC	INTERGENIC		
SNP_48786B_139345	scaffold479	NW_004515940.1	139345	TT	GG	GG	INTERGENIC		
SNP_48787B_139347	scaffold479	NW_004515940.1	139347	TT	AA	AA	INTERGENIC		
SNP_48788B_139365	scaffold479	NW_004515940.1	139365	TT	CC	CC	INTERGENIC		
SNP_48789B_139366	scaffold479	NW_004515940.1	139366	CC	TT	TT	INTERGENIC		
SNP_48790B_139377	scaffold479	NW_004515940.1	139377	GG	TT	TT	INTERGENIC		
SNP_48791B_154718	scaffold479	NW_004515940.1	154718	GG	TT	TT	INTERGENIC		
SNP_48792B_154748	scaffold479	NW_004515940.1	154748	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48793B_154771	scaffold479	NW_004515940.1	154771	AA	GG	GG	INTERGENIC		
SNP_48794B_154781	scaffold479	NW_004515940.1	154781	AA	TT	TT	INTERGENIC		
SNP_48795B_154857	scaffold479	NW_004515940.1	154857	TT	GG	GG	INTERGENIC		
SNP_48796B_154951	scaffold479	NW_004515940.1	154951	CC	TT	TT	INTERGENIC		
SNP_48797B_154976	scaffold479	NW_004515940.1	154976	CC	GG	GG	INTERGENIC		
SNP_48798B_156323	scaffold479	NW_004515940.1	156323	GG	AA	AA	INTERGENIC		
SNP_48799B_156360	scaffold479	NW_004515940.1	156360	TT	CC	CC	INTERGENIC		
SNP_48801B_33645	scaffold480	NW_004515941.1	33645	TT	CC	CC	INTERGENIC		
SNP_48802B_33688	scaffold480	NW_004515941.1	33688	CC	AA	AA	INTERGENIC		
SNP_48803B_33724	scaffold480	NW_004515941.1	33724	CC	TT	TT	INTERGENIC		
SNP_48804B_33729	scaffold480	NW_004515941.1	33729	AA	GG	GG	INTERGENIC		
SNP_48806B_33762	scaffold480	NW_004515941.1	33762	AA	GG	GG	INTERGENIC		
SNP_48807B_33772	scaffold480	NW_004515941.1	33772	AA	GG	GG	INTERGENIC		
SNP_48808B_34472	scaffold480	NW_004515941.1	34472	AA	GG	GG	INTERGENIC		
SNP_48809B_34569	scaffold480	NW_004515941.1	34569	TT	GG	AA	INTERGENIC		
SNP_48810B_43084	scaffold480	NW_004515941.1	43084	GG	AA	AA	INTERGENIC		
SNP_48811B_43093	scaffold480	NW_004515941.1	43093	AA	GG	GG	INTERGENIC		
SNP_48813B_43226	scaffold480	NW_004515941.1	43226	TT	CC	CC	INTERGENIC		
SNP_48814B_43416	scaffold480	NW_004515941.1	43416	GG	AA	AA	INTERGENIC		
SNP_48815B_43460	scaffold480	NW_004515941.1	43460	CC	TT	TT	INTERGENIC		
SNP_48816B_43461	scaffold480	NW_004515941.1	43461	TT	CC	CC	INTERGENIC		
SNP_48817B_43464	scaffold480	NW_004515941.1	43464	TT	GG	GG	INTERGENIC		
SNP_48818B_43542	scaffold480	NW_004515941.1	43542	AA	GG	GG	INTERGENIC		
SNP_48819B_43569	scaffold480	NW_004515941.1	43569	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48820B_43630	scaffold480	NW_004515941.1	43630	TT	CC	CC	INTERGENIC		
SNP_48821B_78144	scaffold480	NW_004515941.1	78144	CC	TT	TT	INTERGENIC		
SNP_48822B_78178	scaffold480	NW_004515941.1	78178	CC	GG	GG	INTERGENIC		
SNP_48823B_86559	scaffold480	NW_004515941.1	86559	GG	CC	CC	INTERGENIC		
SNP_48824B_249	scaffold481	NW_004515942.1	249	TT	CC	CC	INTERGENIC		
SNP_48825B_8839	scaffold481	NW_004515942.1	8839	AA	TT	TT	INTERGENIC		
SNP_48826B_27515	scaffold484	NW_004515944.1	27515	CC	GG	GG	INTERGENIC		
SNP_48827B_27606	scaffold484	NW_004515944.1	27606	GG	AA	AA	INTERGENIC		
SNP_48828B_27651	scaffold484	NW_004515944.1	27651	CC	AA	AA	INTERGENIC		
SNP_48829B_27880	scaffold484	NW_004515944.1	27880	AA	GG	GG	INTERGENIC		
SNP_48830B_27911	scaffold484	NW_004515944.1	27911	TT	CC	CC	INTERGENIC		
SNP_48831B_34494	scaffold484	NW_004515944.1	34494	AA	CC	CC	INTERGENIC		
SNP_48832B_34906	scaffold484	NW_004515944.1	34906	TT	CC	CC	INTERGENIC		
SNP_48833B_85910	scaffold484	NW_004515944.1	85910	AA	GG	GG	INTERGENIC		
SNP_48834B_95332	scaffold484	NW_004515944.1	95332	GG	AA	AA	INTERGENIC		
SNP_48835B_136295	scaffold484	NW_004515944.1	136295	AA	GG	GG	INTERGENIC		
SNP_48837B_247010	scaffold484	NW_004515944.1	247010	GG	TT	TT	INTERGENIC		
SNP_48838B_275474	scaffold484	NW_004515944.1	275474	AA	TT	TT	INTRON	101492176	Unknown function
SNP_48840B_379342	scaffold484	NW_004515944.1	379342	AA	GG	GG	INTERGENIC		
SNP_48841B_394520	scaffold484	NW_004515944.1	394520	AA	GG	GG	INTRON	101493498	uncharacterized LOC101493498
SNP_48842B_394534	scaffold484	NW_004515944.1	394534	TT	CC	CC	INTRON	101493498	uncharacterized LOC101493498
SNP_48843B_394560	scaffold484	NW_004515944.1	394560	AA	GG	GG	INTRON	101493498	uncharacterized LOC101493498
SNP_48844B_394571	scaffold484	NW_004515944.1	394571	CC	GG	GG	INTRON	101493498	uncharacterized LOC101493498
SNP_48845B_394648	scaffold484	NW_004515944.1	394648	AA	TT	TT	INTRON	101493498	uncharacterized LOC101493498

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48846B_394971	scaffold484	NW_004515944.1	394971	CC	TT	TT	INTRON	101493498	uncharacterized LOC101493498
SNP_48847B_441542	scaffold484	NW_004515944.1	441542	AA	CC	CC	URR	101488607	uncharacterized protein ycf45
SNP_48848B_444755	scaffold484	NW_004515944.1	444755	TT	CC	CC	INTERGENIC		
SNP_48849B_449110	scaffold484	NW_004515944.1	449110	CC	TT	TT	INTERGENIC		
SNP_48850B_449161	scaffold484	NW_004515944.1	449161	AA	GG	GG	INTERGENIC		
SNP_48851B_452928	scaffold484	NW_004515944.1	452928	GG	TT	TT	INTERGENIC		
SNP_48852B_452958	scaffold484	NW_004515944.1	452958	AA	GG	GG	INTERGENIC		
SNP_48853B_453217	scaffold484	NW_004515944.1	453217	AA	GG	GG	INTERGENIC		
SNP_48854B_453335	scaffold484	NW_004515944.1	453335	AA	TT	TT	INTERGENIC		
SNP_48855B_453336	scaffold484	NW_004515944.1	453336	AA	GG	GG	INTERGENIC		
SNP_48856B_484863	scaffold484	NW_004515944.1	484863	TT	CC	CC	INTERGENIC		
SNP_48857B_506239	scaffold484	NW_004515944.1	506239	CC	TT	TT	URR	101489389	NAC domain-containing protein 72
SNP_48858B_532302	scaffold484	NW_004515944.1	532302	GG	AA	AA	INTERGENIC		
SNP_48859B_561734	scaffold484	NW_004515944.1	561734	CC	TT	TT	INTERGENIC		
SNP_48860B_578043	scaffold484	NW_004515944.1	578043	GG	TT	TT	INTERGENIC		
SNP_48861B_578384	scaffold484	NW_004515944.1	578384	TT	CC	CC	INTERGENIC		
SNP_48862B_578913	scaffold484	NW_004515944.1	578913	GG	AA	AA	INTERGENIC		
SNP_48863B_587424	scaffold484	NW_004515944.1	587424	TT	GG	GG	INTERGENIC		
SNP_48864B_632821	scaffold484	NW_004515944.1	632821	CC	TT	TT	INTERGENIC		
SNP_48865B_632912	scaffold484	NW_004515944.1	632912	AA	GG	GG	INTERGENIC		
SNP_48866B_633122	scaffold484	NW_004515944.1	633122	CC	TT	TT	INTERGENIC		
SNP_48868B_656897	scaffold484	NW_004515944.1	656897	TT	GG	GG	INTRON	101495758	Unknown function
SNP_48869B_704491	scaffold484	NW_004515944.1	704491	AA	GG	GG	INTERGENIC		
SNP_48870B_704588	scaffold484	NW_004515944.1	704588	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48871B_704632	scaffold484	NW_004515944.1	704632	CC	TT	TT	INTERGENIC		
SNP_48873B_704674	scaffold484	NW_004515944.1	704674	GG	AA	AA	INTERGENIC		
SNP_48874B_704869	scaffold484	NW_004515944.1	704869	AA	GG	GG	INTERGENIC		
SNP_48875B_704888	scaffold484	NW_004515944.1	704888	AA	GG	GG	INTERGENIC		
SNP_48876B_704932	scaffold484	NW_004515944.1	704932	TT	AA	AA	INTERGENIC		
SNP_48877B_704984	scaffold484	NW_004515944.1	704984	AA	GG	GG	INTERGENIC		
SNP_48878B_719776	scaffold484	NW_004515944.1	719776	CC	TT	TT	INTERGENIC		
SNP_48879B_736714	scaffold484	NW_004515944.1	736714	CC	TT	TT	INTERGENIC		
SNP_48881B_736766	scaffold484	NW_004515944.1	736766	AA	CC	CC	INTERGENIC		
SNP_48882B_736784	scaffold484	NW_004515944.1	736784	CC	TT	TT	INTERGENIC		
SNP_48883B_742907	scaffold484	NW_004515944.1	742907	CC	TT	TT	INTERGENIC		
SNP_48884B_763677	scaffold484	NW_004515944.1	763677	AA	GG	GG	INTERGENIC		
SNP_48885B_763827	scaffold484	NW_004515944.1	763827	AA	GG	GG	INTERGENIC		
SNP_48887B_764018	scaffold484	NW_004515944.1	764018	AA	TT	TT	INTERGENIC		
SNP_48888B_764082	scaffold484	NW_004515944.1	764082	AA	GG	GG	INTERGENIC		
SNP_48889B_764106	scaffold484	NW_004515944.1	764106	AA	CC	CC	INTERGENIC		
SNP_48890B_794521	scaffold484	NW_004515944.1	794521	AA	TT	TT	INTERGENIC		
SNP_48891B_794522	scaffold484	NW_004515944.1	794522	TT	GG	GG	INTERGENIC		
SNP_48892B_794820	scaffold484	NW_004515944.1	794820	AA	GG	GG	INTERGENIC		
SNP_48893B_104738	scaffold485	NW_004515945.1	104738	TT	CC	CC	URR	101499467	uncharacterized LOC101499467
SNP_48894B_130335	scaffold485	NW_004515945.1	130335	AA	GG	GG	INTERGENIC		
SNP_48895B_133168	scaffold485	NW_004515945.1	133168	AA	GG	GG	INTERGENIC		
SNP_48896B_165642	scaffold485	NW_004515945.1	165642	GG	AA	AA	INTERGENIC		
SNP_48897B_165722	scaffold485	NW_004515945.1	165722	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48898B_165749	scaffold485	NW_004515945.1	165749	TT	GG	GG	INTERGENIC		
SNP_48899B_166030	scaffold485	NW_004515945.1	166030	AA	TT	TT	INTERGENIC		
SNP_48900B_166031	scaffold485	NW_004515945.1	166031	AA	TT	TT	INTERGENIC		
SNP_48901B_9357	scaffold486	NW_004515946.1	9357	TT	CC	CC	INTERGENIC		
SNP_48902B_9399	scaffold486	NW_004515946.1	9399	GG	AA	AA	INTERGENIC		
SNP_48903B_9705	scaffold486	NW_004515946.1	9705	TT	AA	AA	INTERGENIC		
SNP_48904B_9746	scaffold486	NW_004515946.1	9746	CC	TT	TT	INTERGENIC		
SNP_48905B_9764	scaffold486	NW_004515946.1	9764	AA	GG	GG	INTERGENIC		
SNP_48906B_9767	scaffold486	NW_004515946.1	9767	AA	GG	GG	INTERGENIC		
SNP_48907B_9786	scaffold486	NW_004515946.1	9786	AA	GG	GG	INTERGENIC		
SNP_48908B_33121	scaffold486	NW_004515946.1	33121	AA	GG	GG	INTERGENIC		
SNP_48909B_33364	scaffold486	NW_004515946.1	33364	TT	CC	CC	INTERGENIC		
SNP_48912B_51924	scaffold486	NW_004515946.1	51924	GG	AA	AA	INTERGENIC		
SNP_48913B_52241	scaffold486	NW_004515946.1	52241	CC	AA	AA	INTERGENIC		
SNP_48914B_100715	scaffold486	NW_004515946.1	100715	TT	AA	AA	INTERGENIC		
SNP_48915B_102151	scaffold486	NW_004515946.1	102151	AA	GG	GG	INTERGENIC		
SNP_48916B_109417	scaffold486	NW_004515946.1	109417	AA	CC	CC	INTERGENIC		
SNP_48917B_109428	scaffold486	NW_004515946.1	109428	GG	TT	TT	INTERGENIC		
SNP_48918B_118828	scaffold486	NW_004515946.1	118828	GG	AA	AA	INTERGENIC		
SNP_48919B_119287	scaffold486	NW_004515946.1	119287	CC	TT	TT	INTERGENIC		
SNP_48920B_156890	scaffold486	NW_004515946.1	156890	TT	CC	CC	INTERGENIC		
SNP_48921B_209796	scaffold486	NW_004515946.1	209796	AA	CC	CC	INTERGENIC		
SNP_48922B_209823	scaffold486	NW_004515946.1	209823	CC	TT	TT	INTERGENIC		
SNP_48923B_223241	scaffold486	NW_004515946.1	223241	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48924B_1685	scaffold487	NW_004515947.1	1685	AA	CC	CC	INTERGENIC		
SNP_48925B_1704	scaffold487	NW_004515947.1	1704	GG	CC	CC	INTERGENIC		
SNP_48926B_1851	scaffold487	NW_004515947.1	1851	TT	CC	CC	INTERGENIC		
SNP_48927B_1855	scaffold487	NW_004515947.1	1855	CC	TT	TT	INTERGENIC		
SNP_48928B_1899	scaffold487	NW_004515947.1	1899	GG	AA	AA	INTERGENIC		
SNP_48929B_1940	scaffold487	NW_004515947.1	1940	AA	GG	GG	INTERGENIC		
SNP_48930B_2093	scaffold487	NW_004515947.1	2093	GG	AA	AA	INTERGENIC		
SNP_48931B_2096	scaffold487	NW_004515947.1	2096	GG	AA	AA	INTERGENIC		
SNP_48932B_2100	scaffold487	NW_004515947.1	2100	CC	TT	TT	INTERGENIC		
SNP_48933B_2130	scaffold487	NW_004515947.1	2130	AA	CC	CC	INTERGENIC		
SNP_48934B_2253	scaffold487	NW_004515947.1	2253	GG	AA	AA	INTERGENIC		
SNP_48935B_2302	scaffold487	NW_004515947.1	2302	TT	CC	CC	INTERGENIC		
SNP_48936B_2346	scaffold487	NW_004515947.1	2346	CC	AA	AA	INTERGENIC		
SNP_48937B_2425	scaffold487	NW_004515947.1	2425	TT	CC	CC	INTERGENIC		
SNP_48938B_3046	scaffold487	NW_004515947.1	3046	CC	TT	TT	INTERGENIC		
SNP_48940B_10095	scaffold487	NW_004515947.1	10095	GG	CC	CC	INTERGENIC		
SNP_48941B_10099	scaffold487	NW_004515947.1	10099	TT	AA	AA	INTERGENIC		
SNP_48942B_10100	scaffold487	NW_004515947.1	10100	GG	TT	TT	INTERGENIC		
SNP_48943B_10292	scaffold487	NW_004515947.1	10292	TT	AA	AA	INTERGENIC		
SNP_48944B_10375	scaffold487	NW_004515947.1	10375	CC	TT	TT	INTERGENIC		
SNP_48945B_10429	scaffold487	NW_004515947.1	10429	TT	CC	CC	INTERGENIC		
SNP_48946B_10446	scaffold487	NW_004515947.1	10446	GG	AA	AA	INTERGENIC		
SNP_48947B_30648	scaffold487	NW_004515947.1	30648	CC	TT	TT	INTERGENIC		
SNP_48948B_30687	scaffold487	NW_004515947.1	30687	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48949B_31026	scaffold487	NW_004515947.1	31026	TT	CC	CC	INTERGENIC		
SNP_48950B_40423	scaffold487	NW_004515947.1	40423	TT	CC	CC	INTERGENIC		
SNP_48951B_40499	scaffold487	NW_004515947.1	40499	TT	AA	AA	INTERGENIC		
SNP_48952B_40581	scaffold487	NW_004515947.1	40581	TT	GG	GG	INTERGENIC		
SNP_48953B_40627	scaffold487	NW_004515947.1	40627	TT	CC	CC	INTERGENIC		
SNP_48954B_40674	scaffold487	NW_004515947.1	40674	TT	CC	CC	INTERGENIC		
SNP_48955B_40691	scaffold487	NW_004515947.1	40691	CC	GG	GG	INTERGENIC		
SNP_48956B_40728	scaffold487	NW_004515947.1	40728	TT	AA	AA	INTERGENIC		
SNP_48957B_40818	scaffold487	NW_004515947.1	40818	CC	TT	TT	INTERGENIC		
SNP_48958B_40885	scaffold487	NW_004515947.1	40885	AA	GG	GG	INTERGENIC		
SNP_48959B_40929	scaffold487	NW_004515947.1	40929	TT	AA	AA	INTERGENIC		
SNP_48960B_40938	scaffold487	NW_004515947.1	40938	TT	CC	CC	INTERGENIC		
SNP_48961B_40960	scaffold487	NW_004515947.1	40960	CC	AA	AA	INTERGENIC		
SNP_48962B_40981	scaffold487	NW_004515947.1	40981	TT	CC	CC	INTERGENIC		
SNP_48963B_61257	scaffold487	NW_004515947.1	61257	AA	TT	TT	INTERGENIC		
SNP_48964B_61666	scaffold487	NW_004515947.1	61666	GG	AA	AA	INTERGENIC		
SNP_48965B_61667	scaffold487	NW_004515947.1	61667	AA	GG	GG	INTERGENIC		
SNP_48966B_61704	scaffold487	NW_004515947.1	61704	TT	CC	CC	INTERGENIC		
SNP_48967B_83690	scaffold487	NW_004515947.1	83690	CC	AA	AA	INTERGENIC		
SNP_48968B_83694	scaffold487	NW_004515947.1	83694	GG	AA	AA	INTERGENIC		
SNP_48969B_83699	scaffold487	NW_004515947.1	83699	GG	AA	AA	INTERGENIC		
SNP_48970B_83750	scaffold487	NW_004515947.1	83750	TT	GG	GG	INTERGENIC		
SNP_48971B_83754	scaffold487	NW_004515947.1	83754	CC	TT	TT	INTERGENIC		
SNP_48972B_84110	scaffold487	NW_004515947.1	84110	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48973B_84532	scaffold487	NW_004515947.1	84532	GG	AA	AA	INTERGENIC		
SNP_48975B_414	scaffold491	NW_004515950.1	414	TT	AA	AA	INTERGENIC		
SNP_48976B_8756	scaffold491	NW_004515950.1	8756	AA	CC	CC	INTERGENIC		
SNP_48977B_8757	scaffold491	NW_004515950.1	8757	GG	CC	CC	INTERGENIC		
SNP_48978B_9283	scaffold491	NW_004515950.1	9283	GG	CC	CC	INTERGENIC		
SNP_48979B_11390	scaffold491	NW_004515950.1	11390	CC	AA	AA	INTERGENIC		
SNP_48980B_11412	scaffold491	NW_004515950.1	11412	AA	GG	GG	INTERGENIC		
SNP_48981B_11423	scaffold491	NW_004515950.1	11423	TT	CC	CC	INTERGENIC		
SNP_48982B_11457	scaffold491	NW_004515950.1	11457	CC	GG	GG	INTERGENIC		
SNP_48983B_11727	scaffold491	NW_004515950.1	11727	CC	TT	TT	INTERGENIC		
SNP_48984B_11771	scaffold491	NW_004515950.1	11771	CC	GG	GG	INTERGENIC		
SNP_48985B_12517	scaffold491	NW_004515950.1	12517	AA	GG	GG	INTERGENIC		
SNP_48986B_15760	scaffold491	NW_004515950.1	15760	TT	AA	AA	INTERGENIC		
SNP_48987B_20780	scaffold491	NW_004515950.1	20780	AA	GG	GG	INTERGENIC		
SNP_48988B_21861	scaffold491	NW_004515950.1	21861	AA	GG	GG	INTERGENIC		
SNP_48989B_21862	scaffold491	NW_004515950.1	21862	GG	TT	TT	INTERGENIC		
SNP_48990B_22549	scaffold491	NW_004515950.1	22549	TT	CC	CC	INTERGENIC		
SNP_48991B_22654	scaffold491	NW_004515950.1	22654	AA	GG	GG	INTERGENIC		
SNP_48992B_22657	scaffold491	NW_004515950.1	22657	GG	TT	TT	INTERGENIC		
SNP_48993B_22728	scaffold491	NW_004515950.1	22728	TT	AA	AA	INTERGENIC		
SNP_48994B_22823	scaffold491	NW_004515950.1	22823	TT	CC	CC	INTERGENIC		
SNP_48995B_23669	scaffold491	NW_004515950.1	23669	GG	AA	AA	INTERGENIC		
SNP_48996B_26923	scaffold491	NW_004515950.1	26923	GG	CC	CC	INTERGENIC		
SNP_48997B_27248	scaffold491	NW_004515950.1	27248	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_48998B_29174	scaffold491	NW_004515950.1	29174	AA	GG	GG	INTERGENIC		
SNP_48999B_737	scaffold492	NW_004515951.1	737	AA	GG	GG	INTERGENIC		
SNP_49000B_751	scaffold492	NW_004515951.1	751	CC	AA	AA	INTERGENIC		
SNP_49001B_1195	scaffold492	NW_004515951.1	1195	GG	AA	AA	INTERGENIC		
SNP_49002B_2752	scaffold492	NW_004515951.1	2752	GG	AA	AA	INTERGENIC		
SNP_49003B_5939	scaffold492	NW_004515951.1	5939	CC	AA	AA	INTERGENIC		
SNP_49004B_5955	scaffold492	NW_004515951.1	5955	GG	AA	AA	INTERGENIC		
SNP_49005B_15103	scaffold492	NW_004515951.1	15103	AA	TT	TT	INTERGENIC		
SNP_49006B_15115	scaffold492	NW_004515951.1	15115	GG	AA	AA	INTERGENIC		
SNP_49007B_15571	scaffold492	NW_004515951.1	15571	AA	GG	GG	INTERGENIC		
SNP_49008B_27729	scaffold492	NW_004515951.1	27729	TT	CC	CC	INTERGENIC		
SNP_49009B_35256	scaffold492	NW_004515951.1	35256	GG	CC	CC	INTERGENIC		
SNP_49010B_35745	scaffold492	NW_004515951.1	35745	GG	AA	AA	INTERGENIC		
SNP_49011B_35988	scaffold492	NW_004515951.1	35988	GG	TT	TT	INTERGENIC		
SNP_49012B_36205	scaffold492	NW_004515951.1	36205	GG	AA	AA	INTERGENIC		
SNP_49013B_36477	scaffold492	NW_004515951.1	36477	GG	TT	TT	INTERGENIC		
SNP_49014B_36568	scaffold492	NW_004515951.1	36568	CC	TT	TT	INTERGENIC		
SNP_49015B_36980	scaffold492	NW_004515951.1	36980	TT	GG	GG	INTERGENIC		
SNP_49016B_36985	scaffold492	NW_004515951.1	36985	CC	TT	TT	INTERGENIC		
SNP_49017B_45083	scaffold493	NW_004515952.1	45083	TT	CC	CC	NON_SYNONYMOUS_CODING	101501990	Unknown function
SNP_49018B_47513	scaffold493	NW_004515952.1	47513	GG	AA	AA	URR	101501990	Unknown function
SNP_49019B_47598	scaffold493	NW_004515952.1	47598	CC	TT	TT	URR	101501990	Unknown function
SNP_49020B_47664	scaffold493	NW_004515952.1	47664	GG	CC	CC	URR	101501990	Unknown function
SNP_49021B_47831	scaffold493	NW_004515952.1	47831	AA	GG	GG	URR	101501990	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49022B_50578	scaffold493	NW_004515952.1	50578	AA	GG	GG	INTERGENIC		
SNP_49023B_52081	scaffold493	NW_004515952.1	52081	TT	CC	CC	INTERGENIC		
SNP_49024B_57205	scaffold493	NW_004515952.1	57205	CC	AA	AA	NON_SYNONYMOUS_CODING	101502319	Unknown function
SNP_49025B_70647	scaffold493	NW_004515952.1	70647	AA	GG	GG	INTERGENIC		
SNP_49026B_70959	scaffold493	NW_004515952.1	70959	GG	AA	AA	INTERGENIC		
SNP_49027B_71003	scaffold493	NW_004515952.1	71003	TT	CC	CC	INTERGENIC		
SNP_49028B_71013	scaffold493	NW_004515952.1	71013	CC	TT	TT	INTERGENIC		
SNP_49029B_84504	scaffold493	NW_004515952.1	84504	TT	AA	AA	INTERGENIC		
SNP_49030B_84546	scaffold493	NW_004515952.1	84546	TT	CC	CC	INTERGENIC		
SNP_49031B_84558	scaffold493	NW_004515952.1	84558	AA	TT	TT	INTERGENIC		
SNP_49032B_84588	scaffold493	NW_004515952.1	84588	AA	TT	TT	INTERGENIC		
SNP_49033B_87603	scaffold493	NW_004515952.1	87603	TT	CC	CC	INTERGENIC		
SNP_49034B_87715	scaffold493	NW_004515952.1	87715	AA	CC	CC	INTERGENIC		
SNP_49035B_87959	scaffold493	NW_004515952.1	87959	TT	CC	CC	INTERGENIC		
SNP_49036B_87961	scaffold493	NW_004515952.1	87961	AA	GG	GG	INTERGENIC		
SNP_49037B_87969	scaffold493	NW_004515952.1	87969	GG	CC	CC	INTERGENIC		
SNP_49038B_87998	scaffold493	NW_004515952.1	87998	AA	GG	GG	INTERGENIC		
SNP_49039B_88390	scaffold493	NW_004515952.1	88390	GG	AA	AA	INTERGENIC		
SNP_49040B_88503	scaffold493	NW_004515952.1	88503	CC	AA	AA	INTERGENIC		
SNP_49041B_88505	scaffold493	NW_004515952.1	88505	TT	AA	AA	INTERGENIC		
SNP_49042B_88510	scaffold493	NW_004515952.1	88510	AA	GG	GG	INTERGENIC		
SNP_49043B_88517	scaffold493	NW_004515952.1	88517	AA	GG	GG	INTERGENIC		
SNP_49044B_102736	scaffold493	NW_004515952.1	102736	TT	GG	GG	INTERGENIC		
SNP_49045B_106598	scaffold493	NW_004515952.1	106598	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49047B_124100	scaffold493	NW_004515952.1	124100	CC	TT	TT	INTERGENIC		
SNP_49048B_124120	scaffold493	NW_004515952.1	124120	CC	TT	TT	INTERGENIC		
SNP_49049B_124241	scaffold493	NW_004515952.1	124241	AA	TT	TT	INTERGENIC		
SNP_49050B_124463	scaffold493	NW_004515952.1	124463	TT	AA	AA	INTERGENIC		
SNP_49051B_125061	scaffold493	NW_004515952.1	125061	TT	CC	CC	INTERGENIC		
SNP_49052B_125103	scaffold493	NW_004515952.1	125103	AA	GG	GG	INTERGENIC		
SNP_49053B_125528	scaffold493	NW_004515952.1	125528	CC	TT	TT	INTERGENIC		
SNP_49054B_125836	scaffold493	NW_004515952.1	125836	TT	CC	CC	INTERGENIC		
SNP_49055B_132718	scaffold493	NW_004515952.1	132718	GG	TT	TT	INTERGENIC		
SNP_49056B_138187	scaffold493	NW_004515952.1	138187	AA	GG	GG	INTERGENIC		
SNP_49057B_142741	scaffold493	NW_004515952.1	142741	AA	CC	CC	INTERGENIC		
SNP_49058B_142759	scaffold493	NW_004515952.1	142759	CC	TT	TT	INTERGENIC		
SNP_49059B_142770	scaffold493	NW_004515952.1	142770	TT	CC	CC	INTERGENIC		
SNP_49060B_170523	scaffold493	NW_004515952.1	170523	CC	TT	TT	INTERGENIC		
SNP_49061B_184492	scaffold493	NW_004515952.1	184492	AA	GG	GG	INTERGENIC		
SNP_49062B_184530	scaffold493	NW_004515952.1	184530	GG	AA	AA	INTERGENIC		
SNP_49063B_184553	scaffold493	NW_004515952.1	184553	AA	CC	CC	INTERGENIC		
SNP_49064B_185176	scaffold493	NW_004515952.1	185176	AA	GG	GG	INTERGENIC		
SNP_49065B_222128	scaffold493	NW_004515952.1	222128	AA	GG	GG	INTERGENIC		
SNP_49066B_257001	scaffold493	NW_004515952.1	257001	GG	AA	AA	INTERGENIC		
SNP_49067B_283307	scaffold493	NW_004515952.1	283307	TT	AA	AA	INTERGENIC		
SNP_49068B_283504	scaffold493	NW_004515952.1	283504	AA	CC	CC	INTERGENIC		
SNP_49069B_293443	scaffold493	NW_004515952.1	293443	CC	TT	TT	INTERGENIC		
SNP_49070B_297284	scaffold493	NW_004515952.1	297284	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49071B_297332	scaffold493	NW_004515952.1	297332	TT	AA	AA	INTERGENIC		
SNP_49072B_297334	scaffold493	NW_004515952.1	297334	AA	GG	GG	INTERGENIC		
SNP_49073B_297453	scaffold493	NW_004515952.1	297453	CC	TT	TT	INTERGENIC		
SNP_49074B_10499	scaffold495	NW_004515953.1	10499	CC	TT	TT	INTERGENIC		
SNP_49075B_12172	scaffold495	NW_004515953.1	12172	TT	CC	CC	INTERGENIC		
SNP_49076B_28694	scaffold495	NW_004515953.1	28694	TT	CC	CC	INTERGENIC		
SNP_49077B_28824	scaffold495	NW_004515953.1	28824	CC	TT	TT	INTERGENIC		
SNP_49078B_31988	scaffold495	NW_004515953.1	31988	TT	CC	CC	INTERGENIC		
SNP_49079B_34194	scaffold495	NW_004515953.1	34194	GG	AA	AA	INTERGENIC		
SNP_49080B_36335	scaffold495	NW_004515953.1	36335	GG	AA	AA	INTERGENIC		
SNP_49081B_65058	scaffold495	NW_004515953.1	65058	TT	AA	AA	INTERGENIC		
SNP_49082B_70101	scaffold495	NW_004515953.1	70101	AA	TT	TT	INTERGENIC		
SNP_49083B_70102	scaffold495	NW_004515953.1	70102	TT	GG	GG	INTERGENIC		
SNP_49084B_70153	scaffold495	NW_004515953.1	70153	AA	TT	TT	INTERGENIC		
SNP_49085B_108411	scaffold495	NW_004515953.1	108411	TT	CC	CC	INTERGENIC		
SNP_49087B_112129	scaffold495	NW_004515953.1	112129	CC	TT	TT	INTERGENIC		
SNP_49088B_112258	scaffold495	NW_004515953.1	112258	CC	TT	TT	INTERGENIC		
SNP_49089B_113185	scaffold495	NW_004515953.1	113185	TT	GG	GG	INTERGENIC		
SNP_49090B_113287	scaffold495	NW_004515953.1	113287	CC	AA	AA	INTERGENIC		
SNP_49091B_113296	scaffold495	NW_004515953.1	113296	CC	GG	GG	INTERGENIC		
SNP_49092B_132063	scaffold495	NW_004515953.1	132063	AA	TT	TT	INTRON	101506074	ethylene-responsive transcription factor RAP2-7-like
SNP_49093B_132749	scaffold495	NW_004515953.1	132749	AA	TT	TT	INTRON	101506074	ethylene-responsive transcription factor RAP2-7-like
SNP_49094B_132779	scaffold495	NW_004515953.1	132779	TT	AA	AA	INTRON	101506074	ethylene-responsive transcription factor RAP2-7-like
SNP_49095B_132838	scaffold495	NW_004515953.1	132838	TT	AA	AA	INTRON	101506074	ethylene-responsive transcription factor RAP2-7-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49096B_11195	scaffold496	NW_004515954.1	11195	AA	TT	TT	INTERGENIC		
SNP_49097B_11201	scaffold496	NW_004515954.1	11201	AA	CC	CC	INTERGENIC		
SNP_49098B_11203	scaffold496	NW_004515954.1	11203	TT	CC	CC	INTERGENIC		
SNP_49099B_11517	scaffold496	NW_004515954.1	11517	CC	GG	GG	INTERGENIC		
SNP_49100B_11555	scaffold496	NW_004515954.1	11555	AA	CC	CC	INTERGENIC		
SNP_49101B_11565	scaffold496	NW_004515954.1	11565	AA	GG	GG	INTERGENIC		
SNP_49102B_11591	scaffold496	NW_004515954.1	11591	AA	CC	CC	INTERGENIC		
SNP_49103B_23892	scaffold496	NW_004515954.1	23892	AA	GG	GG	INTERGENIC		
SNP_49104B_34430	scaffold496	NW_004515954.1	34430	AA	GG	GG	INTERGENIC		
SNP_49105B_42139	scaffold496	NW_004515954.1	42139	AA	GG	GG	INTERGENIC		
SNP_49106B_42147	scaffold496	NW_004515954.1	42147	AA	TT	TT	INTERGENIC		
SNP_49107B_42246	scaffold496	NW_004515954.1	42246	TT	CC	CC	INTERGENIC		
SNP_49108B_42338	scaffold496	NW_004515954.1	42338	AA	GG	GG	INTERGENIC		
SNP_49109B_42365	scaffold496	NW_004515954.1	42365	AA	TT	TT	INTERGENIC		
SNP_49110B_42406	scaffold496	NW_004515954.1	42406	CC	TT	TT	INTERGENIC		
SNP_49111B_42490	scaffold496	NW_004515954.1	42490	AA	GG	GG	INTERGENIC		
SNP_49112B_42583	scaffold496	NW_004515954.1	42583	CC	TT	TT	INTERGENIC		
SNP_49113B_55006	scaffold496	NW_004515954.1	55006	AA	GG	GG	INTERGENIC		
SNP_49114B_55054	scaffold496	NW_004515954.1	55054	AA	GG	GG	INTERGENIC		
SNP_49115B_55055	scaffold496	NW_004515954.1	55055	AA	TT	TT	INTERGENIC		
SNP_49116B_55056	scaffold496	NW_004515954.1	55056	TT	GG	GG	INTERGENIC		
SNP_49117B_55057	scaffold496	NW_004515954.1	55057	GG	TT	TT	INTERGENIC		
SNP_49118B_55102	scaffold496	NW_004515954.1	55102	AA	TT	TT	INTERGENIC		
SNP_49119B_55103	scaffold496	NW_004515954.1	55103	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49120B_55121	scaffold496	NW_004515954.1	55121	CC	TT	TT	INTERGENIC		
SNP_49121B_55131	scaffold496	NW_004515954.1	55131	TT	CC	CC	INTERGENIC		
SNP_49122B_55139	scaffold496	NW_004515954.1	55139	TT	CC	CC	INTERGENIC		
SNP_49123B_78481	scaffold496	NW_004515954.1	78481	TT	CC	CC	INTERGENIC		
SNP_49124B_80225	scaffold496	NW_004515954.1	80225	TT	AA	AA	INTERGENIC		
SNP_49125B_86237	scaffold496	NW_004515954.1	86237	GG	TT	TT	INTERGENIC		
SNP_49126B_86440	scaffold496	NW_004515954.1	86440	AA	TT	TT	INTERGENIC		
SNP_49127B_97052	scaffold496	NW_004515954.1	97052	CC	TT	TT	INTERGENIC		
SNP_49128B_116467	scaffold496	NW_004515954.1	116467	AA	TT	TT	INTERGENIC		
SNP_49130B_121781	scaffold496	NW_004515954.1	121781	AA	GG	GG	INTERGENIC		
SNP_49131B_121815	scaffold496	NW_004515954.1	121815	GG	AA	AA	INTERGENIC		
SNP_49132B_121933	scaffold496	NW_004515954.1	121933	CC	TT	TT	INTERGENIC		
SNP_49133B_122201	scaffold496	NW_004515954.1	122201	GG	TT	TT	INTERGENIC		
SNP_49134B_122449	scaffold496	NW_004515954.1	122449	GG	AA	AA	INTERGENIC		
SNP_49135B_122467	scaffold496	NW_004515954.1	122467	AA	GG	GG	INTERGENIC		
SNP_49136B_122720	scaffold496	NW_004515954.1	122720	CC	GG	GG	INTERGENIC		
SNP_49137B_123075	scaffold496	NW_004515954.1	123075	CC	TT	TT	INTERGENIC		
SNP_49138B_123163	scaffold496	NW_004515954.1	123163	AA	GG	GG	INTERGENIC		
SNP_49139B_123178	scaffold496	NW_004515954.1	123178	CC	TT	TT	INTERGENIC		
SNP_49140B_123948	scaffold496	NW_004515954.1	123948	AA	GG	GG	INTERGENIC		
SNP_49141B_124011	scaffold496	NW_004515954.1	124011	TT	CC	CC	INTERGENIC		
SNP_49142B_127285	scaffold496	NW_004515954.1	127285	TT	GG	GG	INTERGENIC		
SNP_49143B_129147	scaffold496	NW_004515954.1	129147	CC	TT	TT	INTERGENIC		
SNP_49144B_129166	scaffold496	NW_004515954.1	129166	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49145B_144746	scaffold496	NW_004515954.1	144746	TT	CC	CC	INTERGENIC		
SNP_49146B_145132	scaffold496	NW_004515954.1	145132	CC	GG	GG	INTERGENIC		
SNP_49147B_149788	scaffold496	NW_004515954.1	149788	TT	GG	GG	INTERGENIC		
SNP_49148B_165793	scaffold496	NW_004515954.1	165793	TT	CC	CC	INTERGENIC		
SNP_49149B_184705	scaffold496	NW_004515954.1	184705	TT	AA	AA	INTERGENIC		
SNP_49150B_184762	scaffold496	NW_004515954.1	184762	CC	AA	AA	INTERGENIC		
SNP_49151B_186439	scaffold496	NW_004515954.1	186439	TT	CC	CC	INTERGENIC		
SNP_49152B_190768	scaffold496	NW_004515954.1	190768	TT	GG	GG	INTERGENIC		
SNP_49153B_190775	scaffold496	NW_004515954.1	190775	AA	GG	GG	INTERGENIC		
SNP_49154B_190812	scaffold496	NW_004515954.1	190812	TT	CC	CC	INTERGENIC		
SNP_49155B_190837	scaffold496	NW_004515954.1	190837	CC	AA	AA	INTERGENIC		
SNP_49156B_190863	scaffold496	NW_004515954.1	190863	TT	GG	GG	INTERGENIC		
SNP_49157B_190875	scaffold496	NW_004515954.1	190875	GG	AA	AA	INTERGENIC		
SNP_49158B_197293	scaffold496	NW_004515954.1	197293	AA	GG	GG	INTERGENIC		
SNP_49159B_197527	scaffold496	NW_004515954.1	197527	TT	CC	CC	INTERGENIC		
SNP_49160B_205287	scaffold496	NW_004515954.1	205287	TT	CC	CC	INTERGENIC		
SNP_49161B_206206	scaffold496	NW_004515954.1	206206	GG	AA	AA	INTERGENIC		
SNP_49162B_206451	scaffold496	NW_004515954.1	206451	GG	CC	CC	INTERGENIC		
SNP_49163B_212755	scaffold496	NW_004515954.1	212755	TT	CC	CC	INTERGENIC		
SNP_49164B_219548	scaffold496	NW_004515954.1	219548	AA	GG	GG	INTERGENIC		
SNP_49165B_221032	scaffold496	NW_004515954.1	221032	GG	AA	AA	INTERGENIC		
SNP_49166B_221193	scaffold496	NW_004515954.1	221193	GG	AA	AA	INTERGENIC		
SNP_49167B_226920	scaffold496	NW_004515954.1	226920	GG	CC	CC	INTERGENIC		
SNP_49168B_228049	scaffold496	NW_004515954.1	228049	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49169B_228051	scaffold496	NW_004515954.1	228051	AA	GG	GG	INTERGENIC		
SNP_49170B_228399	scaffold496	NW_004515954.1	228399	TT	GG	GG	INTERGENIC		
SNP_49171B_244573	scaffold496	NW_004515954.1	244573	TT	AA	AA	INTERGENIC		
SNP_49172B_244636	scaffold496	NW_004515954.1	244636	CC	TT	TT	INTERGENIC		
SNP_49173B_245960	scaffold496	NW_004515954.1	245960	GG	CC	CC	INTERGENIC		
SNP_49174B_245969	scaffold496	NW_004515954.1	245969	AA	GG	GG	INTERGENIC		
SNP_49175B_245979	scaffold496	NW_004515954.1	245979	TT	CC	CC	INTERGENIC		
SNP_49176B_246233	scaffold496	NW_004515954.1	246233	AA	TT	TT	INTERGENIC		
SNP_49177B_264521	scaffold496	NW_004515954.1	264521	AA	GG	GG	INTERGENIC		
SNP_49178B_264545	scaffold496	NW_004515954.1	264545	AA	GG	GG	INTERGENIC		
SNP_49179B_264933	scaffold496	NW_004515954.1	264933	GG	AA	AA	INTERGENIC		
SNP_49180B_43280	scaffold497	NW_004515955.1	43280	CC	TT	TT	INTERGENIC		
SNP_49181B_45102	scaffold497	NW_004515955.1	45102	TT	AA	AA	INTERGENIC		
SNP_49182B_45107	scaffold497	NW_004515955.1	45107	AA	TT	TT	INTERGENIC		
SNP_49183B_45156	scaffold497	NW_004515955.1	45156	TT	GG	GG	INTERGENIC		
SNP_49184B_47012	scaffold497	NW_004515955.1	47012	TT	GG	GG	INTERGENIC		
SNP_49185B_47015	scaffold497	NW_004515955.1	47015	GG	CC	CC	INTERGENIC		
SNP_49186B_63089	scaffold497	NW_004515955.1	63089	TT	CC	CC	INTERGENIC		
SNP_49187B_63114	scaffold497	NW_004515955.1	63114	AA	GG	GG	INTERGENIC		
SNP_49188B_63118	scaffold497	NW_004515955.1	63118	TT	CC	CC	INTERGENIC		
SNP_49189B_68039	scaffold497	NW_004515955.1	68039	GG	AA	AA	INTERGENIC		
SNP_49190B_69282	scaffold497	NW_004515955.1	69282	GG	AA	AA	INTERGENIC		
SNP_49191B_69332	scaffold497	NW_004515955.1	69332	TT	AA	AA	INTERGENIC		
SNP_49192B_69341	scaffold497	NW_004515955.1	69341	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49193B_69440	scaffold497	NW_004515955.1	69440	TT	AA	AA	INTERGENIC		
SNP_49194B_69651	scaffold497	NW_004515955.1	69651	AA	TT	TT	INTERGENIC		
SNP_49195B_69659	scaffold497	NW_004515955.1	69659	AA	TT	TT	INTERGENIC		
SNP_49196B_69943	scaffold497	NW_004515955.1	69943	TT	GG	GG	INTERGENIC		
SNP_49197B_69975	scaffold497	NW_004515955.1	69975	AA	GG	GG	INTERGENIC		
SNP_49198B_69976	scaffold497	NW_004515955.1	69976	AA	TT	TT	INTERGENIC		
SNP_49199B_69977	scaffold497	NW_004515955.1	69977	TT	AA	AA	INTERGENIC		
SNP_49200B_69980	scaffold497	NW_004515955.1	69980	CC	TT	TT	INTERGENIC		
SNP_49202B_70095	scaffold497	NW_004515955.1	70095	CC	TT	TT	INTERGENIC		
SNP_49203B_72106	scaffold497	NW_004515955.1	72106	AA	GG	GG	INTERGENIC		
SNP_49204B_72107	scaffold497	NW_004515955.1	72107	GG	CC	CC	INTERGENIC		
SNP_49205B_72122	scaffold497	NW_004515955.1	72122	AA	CC	CC	INTERGENIC		
SNP_49206B_72153	scaffold497	NW_004515955.1	72153	AA	GG	GG	INTERGENIC		
SNP_49207B_72202	scaffold497	NW_004515955.1	72202	CC	AA	AA	INTERGENIC		
SNP_49208B_72368	scaffold497	NW_004515955.1	72368	GG	CC	CC	INTERGENIC		
SNP_49209B_72390	scaffold497	NW_004515955.1	72390	TT	CC	CC	INTERGENIC		
SNP_49210B_72420	scaffold497	NW_004515955.1	72420	GG	TT	TT	INTERGENIC		
SNP_49211B_72497	scaffold497	NW_004515955.1	72497	GG	TT	TT	INTERGENIC		
SNP_49212B_72631	scaffold497	NW_004515955.1	72631	TT	AA	AA	INTERGENIC		
SNP_49213B_72634	scaffold497	NW_004515955.1	72634	TT	CC	CC	INTERGENIC		
SNP_49214B_72663	scaffold497	NW_004515955.1	72663	TT	GG	GG	INTERGENIC		
SNP_49215B_73500	scaffold497	NW_004515955.1	73500	GG	AA	AA	INTERGENIC		
SNP_49216B_73528	scaffold497	NW_004515955.1	73528	AA	CC	CC	INTERGENIC		
SNP_49217B_73584	scaffold497	NW_004515955.1	73584	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49218B_73744	scaffold497	NW_004515955.1	73744	GG	TT	TT	INTERGENIC		
SNP_49219B_73804	scaffold497	NW_004515955.1	73804	AA	GG	GG	INTERGENIC		
SNP_49220B_73831	scaffold497	NW_004515955.1	73831	GG	AA	AA	INTERGENIC		
SNP_49221B_73852	scaffold497	NW_004515955.1	73852	TT	GG	GG	INTERGENIC		
SNP_49222B_73909	scaffold497	NW_004515955.1	73909	AA	TT	TT	INTERGENIC		
SNP_49223B_82987	scaffold497	NW_004515955.1	82987	AA	GG	GG	INTERGENIC		
SNP_49224B_84209	scaffold497	NW_004515955.1	84209	CC	GG	GG	INTERGENIC		
SNP_49225B_84255	scaffold497	NW_004515955.1	84255	GG	CC	CC	INTERGENIC		
SNP_49226B_84688	scaffold497	NW_004515955.1	84688	AA	CC	CC	INTERGENIC		
SNP_49227B_84776	scaffold497	NW_004515955.1	84776	TT	AA	AA	INTERGENIC		
SNP_49228B_85095	scaffold497	NW_004515955.1	85095	TT	AA	AA	INTERGENIC		
SNP_49229B_88065	scaffold497	NW_004515955.1	88065	GG	AA	AA	INTERGENIC		
SNP_49230B_92143	scaffold497	NW_004515955.1	92143	TT	AA	AA	INTERGENIC		
SNP_49231B_92403	scaffold497	NW_004515955.1	92403	TT	CC	CC	INTERGENIC		
SNP_49232B_94907	scaffold497	NW_004515955.1	94907	TT	GG	GG	INTERGENIC		
SNP_49233B_94983	scaffold497	NW_004515955.1	94983	AA	TT	TT	INTERGENIC		
SNP_49234B_95006	scaffold497	NW_004515955.1	95006	GG	AA	AA	INTERGENIC		
SNP_49235B_95042	scaffold497	NW_004515955.1	95042	AA	TT	TT	INTERGENIC		
SNP_49236B_95048	scaffold497	NW_004515955.1	95048	TT	CC	CC	INTERGENIC		
SNP_49237B_95099	scaffold497	NW_004515955.1	95099	TT	GG	GG	INTERGENIC		
SNP_49238B_95178	scaffold497	NW_004515955.1	95178	AA	GG	GG	INTERGENIC		
SNP_49239B_100632	scaffold497	NW_004515955.1	100632	TT	AA	AA	INTERGENIC		
SNP_49240B_43590	scaffold498	NW_004515956.1	43590	TT	AA	AA	INTERGENIC		
SNP_49242B_48926	scaffold498	NW_004515956.1	48926	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49243B_62814	scaffold498	NW_004515956.1	62814	AA	TT	TT	INTERGENIC		
SNP_49244B_194088	scaffold498	NW_004515956.1	194088	CC	TT	TT	INTERGENIC		
SNP_49245B_198625	scaffold498	NW_004515956.1	198625	TT	AA	AA	INTERGENIC		
SNP_49246B_198640	scaffold498	NW_004515956.1	198640	AA	TT	TT	INTERGENIC		
SNP_49247B_198652	scaffold498	NW_004515956.1	198652	GG	TT	TT	INTERGENIC		
SNP_49248B_198700	scaffold498	NW_004515956.1	198700	TT	AA	AA	INTERGENIC		
SNP_49249B_198703	scaffold498	NW_004515956.1	198703	CC	TT	TT	INTERGENIC		
SNP_49250B_198708	scaffold498	NW_004515956.1	198708	TT	GG	GG	INTERGENIC		
SNP_49251B_198809	scaffold498	NW_004515956.1	198809	AA	GG	GG	INTERGENIC		
SNP_49252B_198811	scaffold498	NW_004515956.1	198811	AA	GG	GG	INTERGENIC		
SNP_49253B_199024	scaffold498	NW_004515956.1	199024	GG	CC	CC	INTERGENIC		
SNP_49254B_199108	scaffold498	NW_004515956.1	199108	TT	CC	CC	INTERGENIC		
SNP_49255B_199174	scaffold498	NW_004515956.1	199174	TT	CC	CC	INTERGENIC		
SNP_49256B_199211	scaffold498	NW_004515956.1	199211	AA	GG	GG	INTERGENIC		
SNP_49257B_205175	scaffold498	NW_004515956.1	205175	AA	CC	CC	INTERGENIC		
SNP_49258B_205425	scaffold498	NW_004515956.1	205425	CC	TT	TT	INTERGENIC		
SNP_49259B_205619	scaffold498	NW_004515956.1	205619	GG	AA	AA	INTERGENIC		
SNP_49260B_205631	scaffold498	NW_004515956.1	205631	TT	CC	CC	INTERGENIC		
SNP_49261B_205637	scaffold498	NW_004515956.1	205637	TT	CC	CC	INTERGENIC		
SNP_49262B_205803	scaffold498	NW_004515956.1	205803	AA	GG	GG	INTERGENIC		
SNP_49263B_205879	scaffold498	NW_004515956.1	205879	TT	CC	CC	INTERGENIC		
SNP_49264B_205924	scaffold498	NW_004515956.1	205924	CC	TT	TT	INTERGENIC		
SNP_49266B_211783	scaffold498	NW_004515956.1	211783	TT	CC	CC	INTERGENIC		
SNP_49268B_213430	scaffold498	NW_004515956.1	213430	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49269B_213706	scaffold498	NW_004515956.1	213706	GG	TT	TT	INTERGENIC		
SNP_49270B_213900	scaffold498	NW_004515956.1	213900	TT	CC	CC	INTERGENIC		
SNP_49271B_213949	scaffold498	NW_004515956.1	213949	GG	AA	AA	INTERGENIC		
SNP_49275B_214320	scaffold498	NW_004515956.1	214320	CC	TT	TT	INTERGENIC		
SNP_49276B_214452	scaffold498	NW_004515956.1	214452	CC	TT	TT	INTERGENIC		
SNP_49278B_214627	scaffold498	NW_004515956.1	214627	GG	AA	AA	INTERGENIC		
SNP_49279B_214678	scaffold498	NW_004515956.1	214678	CC	AA	AA	INTERGENIC		
SNP_49280B_214742	scaffold498	NW_004515956.1	214742	TT	CC	CC	INTERGENIC		
SNP_49281B_214827	scaffold498	NW_004515956.1	214827	AA	GG	GG	INTERGENIC		
SNP_49282B_215037	scaffold498	NW_004515956.1	215037	AA	GG	GG	INTERGENIC		
SNP_49283B_215043	scaffold498	NW_004515956.1	215043	AA	GG	GG	INTERGENIC		
SNP_49284B_215101	scaffold498	NW_004515956.1	215101	AA	CC	CC	INTERGENIC		
SNP_49285B_215250	scaffold498	NW_004515956.1	215250	GG	AA	AA	INTERGENIC		
SNP_49286B_215258	scaffold498	NW_004515956.1	215258	CC	AA	AA	INTERGENIC		
SNP_49287B_215506	scaffold498	NW_004515956.1	215506	AA	GG	GG	INTERGENIC		
SNP_49288B_215521	scaffold498	NW_004515956.1	215521	AA	GG	GG	INTERGENIC		
SNP_49289B_215559	scaffold498	NW_004515956.1	215559	GG	AA	AA	INTERGENIC		
SNP_49290B_215825	scaffold498	NW_004515956.1	215825	CC	AA	AA	INTERGENIC		
SNP_49291B_215864	scaffold498	NW_004515956.1	215864	CC	TT	TT	INTERGENIC		
SNP_49292B_215878	scaffold498	NW_004515956.1	215878	AA	GG	GG	INTERGENIC		
SNP_49293B_215903	scaffold498	NW_004515956.1	215903	CC	GG	GG	INTERGENIC		
SNP_49294B_216067	scaffold498	NW_004515956.1	216067	CC	AA	AA	INTERGENIC		
SNP_49295B_216171	scaffold498	NW_004515956.1	216171	AA	GG	GG	INTERGENIC		
SNP_49296B_216210	scaffold498	NW_004515956.1	216210	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49297B_216254	scaffold498	NW_004515956.1	216254	TT	CC	CC	INTERGENIC		
SNP_49298B_216372	scaffold498	NW_004515956.1	216372	TT	AA	AA	INTERGENIC		
SNP_49299B_216375	scaffold498	NW_004515956.1	216375	GG	AA	AA	INTERGENIC		
SNP_49300B_216460	scaffold498	NW_004515956.1	216460	CC	TT	TT	INTERGENIC		
SNP_49301B_1199	scaffold501	NW_004515958.1	1199	CC	TT	TT	INTERGENIC		
SNP_49302B_1581	scaffold501	NW_004515958.1	1581	AA	TT	TT	INTERGENIC		
SNP_49303B_1772	scaffold501	NW_004515958.1	1772	CC	AA	AA	INTERGENIC		
SNP_49304B_9279	scaffold501	NW_004515958.1	9279	AA	CC	CC	INTERGENIC		
SNP_49305B_11045	scaffold501	NW_004515958.1	11045	GG	CC	CC	INTERGENIC		
SNP_49306B_11050	scaffold501	NW_004515958.1	11050	AA	CC	CC	INTERGENIC		
SNP_49307B_11055	scaffold501	NW_004515958.1	11055	TT	GG	GG	INTERGENIC		
SNP_49308B_11159	scaffold501	NW_004515958.1	11159	CC	TT	TT	INTERGENIC		
SNP_49309B_11259	scaffold501	NW_004515958.1	11259	CC	TT	TT	INTERGENIC		
SNP_49310B_11395	scaffold501	NW_004515958.1	11395	GG	AA	AA	INTERGENIC		
SNP_49311B_11497	scaffold501	NW_004515958.1	11497	AA	CC	CC	INTERGENIC		
SNP_49312B_11584	scaffold501	NW_004515958.1	11584	AA	GG	GG	INTERGENIC		
SNP_49313B_14141	scaffold501	NW_004515958.1	14141	GG	AA	AA	INTERGENIC		
SNP_49314B_14151	scaffold501	NW_004515958.1	14151	GG	AA	AA	INTERGENIC		
SNP_49315B_14191	scaffold501	NW_004515958.1	14191	AA	GG	GG	INTERGENIC		
SNP_49316B_60881	scaffold501	NW_004515958.1	60881	CC	TT	TT	INTERGENIC		
SNP_49317B_78476	scaffold501	NW_004515958.1	78476	AA	GG	GG	INTERGENIC		
SNP_49319B_88323	scaffold501	NW_004515958.1	88323	TT	AA	AA	NON_SYNONYMOUS_CODING	101511110	PLASMODESMATA CALLOSE-BINDING PROTEIN 3-like
SNP_49320B_88949	scaffold501	NW_004515958.1	88949	AA	CC	CC	URR	101511110	PLASMODESMATA CALLOSE-BINDING PROTEIN 3-like
SNP_49321B_89042	scaffold501	NW_004515958.1	89042	AA	GG	GG	URR	101511110	PLASMODESMATA CALLOSE-BINDING PROTEIN 3-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49322B_89296	scaffold501	NW_004515958.1	89296	TT	GG	GG	URR	101511110	PLASMODESMATA CALLOSE-BINDING PROTEIN 3-like
SNP_49323B_89313	scaffold501	NW_004515958.1	89313	TT	GG	GG	URR	101511110	PLASMODESMATA CALLOSE-BINDING PROTEIN 3-like
SNP_49324B_89405	scaffold501	NW_004515958.1	89405	TT	CC	CC	URR	101511110	PLASMODESMATA CALLOSE-BINDING PROTEIN 3-like
SNP_49325B_89432	scaffold501	NW_004515958.1	89432	CC	AA	AA	URR	101511110	PLASMODESMATA CALLOSE-BINDING PROTEIN 3-like
SNP_49326B_89455	scaffold501	NW_004515958.1	89455	GG	AA	AA	URR	101511110	PLASMODESMATA CALLOSE-BINDING PROTEIN 3-like
SNP_49327B_89495	scaffold501	NW_004515958.1	89495	GG	TT	TT	URR	101511110	PLASMODESMATA CALLOSE-BINDING PROTEIN 3-like
SNP_49328B_89604	scaffold501	NW_004515958.1	89604	CC	AA	AA	URR	101511110	PLASMODESMATA CALLOSE-BINDING PROTEIN 3-like
SNP_49329B_89658	scaffold501	NW_004515958.1	89658	AA	TT	TT	URR	101511110	PLASMODESMATA CALLOSE-BINDING PROTEIN 3-like
SNP_49330B_89694	scaffold501	NW_004515958.1	89694	AA	GG	GG	URR	101511110	PLASMODESMATA CALLOSE-BINDING PROTEIN 3-like
SNP_49331B_89724	scaffold501	NW_004515958.1	89724	TT	CC	CC	URR	101511110	PLASMODESMATA CALLOSE-BINDING PROTEIN 3-like
SNP_49332B_89818	scaffold501	NW_004515958.1	89818	CC	AA	AA	URR	101511110	PLASMODESMATA CALLOSE-BINDING PROTEIN 3-like
SNP_49333B_89925	scaffold501	NW_004515958.1	89925	AA	GG	GG	URR	101511110	PLASMODESMATA CALLOSE-BINDING PROTEIN 3-like
SNP_49334B_89933	scaffold501	NW_004515958.1	89933	AA	TT	TT	URR	101511110	PLASMODESMATA CALLOSE-BINDING PROTEIN 3-like
SNP_49335B_89999	scaffold501	NW_004515958.1	89999	AA	TT	TT	URR	101511110	PLASMODESMATA CALLOSE-BINDING PROTEIN 3-like
SNP_49336B_90002	scaffold501	NW_004515958.1	90002	GG	AA	AA	URR	101511110	PLASMODESMATA CALLOSE-BINDING PROTEIN 3-like
SNP_49337B_94083	scaffold501	NW_004515958.1	94083	CC	TT	TT	INTERGENIC		
SNP_49338B_94176	scaffold501	NW_004515958.1	94176	TT	GG	GG	INTERGENIC		
SNP_49339B_94220	scaffold501	NW_004515958.1	94220	TT	AA	AA	INTERGENIC		
SNP_49340B_94321	scaffold501	NW_004515958.1	94321	TT	CC	CC	INTERGENIC		
SNP_49341B_96732	scaffold501	NW_004515958.1	96732	AA	GG	GG	INTERGENIC		
SNP_49342B_96823	scaffold501	NW_004515958.1	96823	AA	CC	CC	INTERGENIC		
SNP_49343B_96840	scaffold501	NW_004515958.1	96840	CC	TT	TT	INTERGENIC		
SNP_49344B_96841	scaffold501	NW_004515958.1	96841	AA	GG	GG	INTERGENIC		
SNP_49345B_96842	scaffold501	NW_004515958.1	96842	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49346B_96844	scaffold501	NW_004515958.1	96844	CC	TT	TT	INTERGENIC		
SNP_49347B_103872	scaffold501	NW_004515958.1	103872	CC	GG	GG	INTERGENIC		
SNP_49348B_104243	scaffold501	NW_004515958.1	104243	CC	GG	GG	INTERGENIC		
SNP_49349B_104386	scaffold501	NW_004515958.1	104386	TT	CC	CC	INTERGENIC		
SNP_49350B_106665	scaffold501	NW_004515958.1	106665	TT	AA	AA	INTERGENIC		
SNP_49351B_108601	scaffold501	NW_004515958.1	108601	AA	GG	GG	INTERGENIC		
SNP_49352B_110370	scaffold501	NW_004515958.1	110370	CC	TT	TT	INTERGENIC		
SNP_49353B_110415	scaffold501	NW_004515958.1	110415	AA	GG	GG	INTERGENIC		
SNP_49354B_115845	scaffold501	NW_004515958.1	115845	AA	TT	TT	INTERGENIC		
SNP_49355B_116263	scaffold501	NW_004515958.1	116263	AA	GG	GG	INTERGENIC		
SNP_49356B_116532	scaffold501	NW_004515958.1	116532	TT	GG	GG	INTERGENIC		
SNP_49357B_116535	scaffold501	NW_004515958.1	116535	TT	CC	CC	INTERGENIC		
SNP_49358B_116548	scaffold501	NW_004515958.1	116548	CC	TT	TT	INTERGENIC		
SNP_49359B_117571	scaffold501	NW_004515958.1	117571	CC	TT	TT	INTERGENIC		
SNP_49360B_117613	scaffold501	NW_004515958.1	117613	CC	AA	AA	INTERGENIC		
SNP_49361B_117655	scaffold501	NW_004515958.1	117655	CC	AA	AA	INTERGENIC		
SNP_49362B_117668	scaffold501	NW_004515958.1	117668	CC	AA	AA	INTERGENIC		
SNP_49363B_117686	scaffold501	NW_004515958.1	117686	CC	TT	TT	INTERGENIC		
SNP_49364B_117702	scaffold501	NW_004515958.1	117702	CC	TT	TT	INTERGENIC		
SNP_49365B_117729	scaffold501	NW_004515958.1	117729	TT	CC	CC	INTERGENIC		
SNP_49366B_117873	scaffold501	NW_004515958.1	117873	AA	GG	GG	INTERGENIC		
SNP_49368B_1294	scaffold505	NW_004515959.1	1294	TT	CC	CC	INTERGENIC		
SNP_49369B_1360	scaffold505	NW_004515959.1	1360	CC	AA	AA	INTERGENIC		
SNP_49370B_2596	scaffold505	NW_004515959.1	2596	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49371B_2824	scaffold505	NW_004515959.1	2824	AA	GG	GG	INTERGENIC		
SNP_49372B_3047	scaffold505	NW_004515959.1	3047	GG	TT	TT	INTERGENIC		
SNP_49373B_18989	scaffold505	NW_004515959.1	18989	CC	TT	TT	INTERGENIC		
SNP_49374B_18996	scaffold505	NW_004515959.1	18996	TT	GG	GG	INTERGENIC		
SNP_49375B_19008	scaffold505	NW_004515959.1	19008	AA	GG	GG	INTERGENIC		
SNP_49376B_19349	scaffold505	NW_004515959.1	19349	AA	GG	GG	INTERGENIC		
SNP_49377B_19357	scaffold505	NW_004515959.1	19357	TT	AA	AA	INTERGENIC		
SNP_49378B_19414	scaffold505	NW_004515959.1	19414	CC	TT	TT	INTERGENIC		
SNP_49379B_20922	scaffold505	NW_004515959.1	20922	AA	GG	GG	INTERGENIC		
SNP_49380B_28004	scaffold505	NW_004515959.1	28004	AA	GG	GG	INTERGENIC		
SNP_49381B_29540	scaffold505	NW_004515959.1	29540	AA	TT	TT	INTERGENIC		
SNP_49382B_29543	scaffold505	NW_004515959.1	29543	GG	CC	CC	INTERGENIC		
SNP_49383B_29546	scaffold505	NW_004515959.1	29546	AA	GG	GG	INTERGENIC		
SNP_49384B_29556	scaffold505	NW_004515959.1	29556	AA	TT	TT	INTERGENIC		
SNP_49385B_29810	scaffold505	NW_004515959.1	29810	AA	GG	GG	INTERGENIC		
SNP_49386B_40623	scaffold505	NW_004515959.1	40623	CC	TT	TT	INTERGENIC		
SNP_49388B_1972	scaffold506	NW_004515960.1	1972	AA	TT	TT	INTERGENIC		
SNP_49389B_6452	scaffold506	NW_004515960.1	6452	CC	TT	TT	INTERGENIC		
SNP_49390B_6534	scaffold506	NW_004515960.1	6534	AA	GG	GG	INTERGENIC		
SNP_49391B_6739	scaffold506	NW_004515960.1	6739	CC	AA	AA	INTERGENIC		
SNP_49392B_8571	scaffold506	NW_004515960.1	8571	CC	AA	AA	INTERGENIC		
SNP_49393B_8660	scaffold506	NW_004515960.1	8660	GG	AA	AA	INTERGENIC		
SNP_49394B_9290	scaffold506	NW_004515960.1	9290	CC	TT	TT	INTERGENIC		
SNP_49395B_9897	scaffold506	NW_004515960.1	9897	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49396B_17676	scaffold506	NW_004515960.1	17676	TT	CC	CC	INTERGENIC		
SNP_49397B_17945	scaffold506	NW_004515960.1	17945	TT	AA	AA	INTERGENIC		
SNP_49398B_18397	scaffold506	NW_004515960.1	18397	AA	GG	GG	INTERGENIC		
SNP_49399B_18820	scaffold506	NW_004515960.1	18820	GG	TT	TT	INTERGENIC		
SNP_49401B_19149	scaffold506	NW_004515960.1	19149	GG	AA	AA	INTERGENIC		
SNP_49402B_19326	scaffold506	NW_004515960.1	19326	CC	TT	TT	INTERGENIC		
SNP_49403B_20191	scaffold506	NW_004515960.1	20191	TT	CC	CC	INTERGENIC		
SNP_49404B_24641	scaffold506	NW_004515960.1	24641	TT	AA	AA	INTERGENIC		
SNP_49405B_25599	scaffold506	NW_004515960.1	25599	GG	CC	CC	INTERGENIC		
SNP_49406B_26658	scaffold506	NW_004515960.1	26658	GG	AA	AA	INTERGENIC		
SNP_49407B_26682	scaffold506	NW_004515960.1	26682	TT	CC	CC	INTERGENIC		
SNP_49408B_26983	scaffold506	NW_004515960.1	26983	TT	CC	CC	INTERGENIC		
SNP_49409B_27130	scaffold506	NW_004515960.1	27130	TT	CC	CC	INTERGENIC		
SNP_49410B_28363	scaffold506	NW_004515960.1	28363	TT	CC	CC	INTERGENIC		
SNP_49411B_28611	scaffold506	NW_004515960.1	28611	CC	TT	TT	INTERGENIC		
SNP_49412B_30225	scaffold506	NW_004515960.1	30225	CC	GG	GG	INTERGENIC		
SNP_49413B_30332	scaffold506	NW_004515960.1	30332	AA	GG	GG	INTERGENIC		
SNP_49414B_31189	scaffold506	NW_004515960.1	31189	GG	AA	AA	INTERGENIC		
SNP_49415B_31836	scaffold506	NW_004515960.1	31836	GG	AA	AA	INTERGENIC		
SNP_49416B_35371	scaffold506	NW_004515960.1	35371	TT	AA	AA	INTERGENIC		
SNP_49417B_35372	scaffold506	NW_004515960.1	35372	AA	CC	CC	INTERGENIC		
SNP_49418B_36875	scaffold506	NW_004515960.1	36875	TT	CC	CC	INTERGENIC		
SNP_49419B_36886	scaffold506	NW_004515960.1	36886	TT	AA	AA	INTERGENIC		
SNP_49420B_37335	scaffold506	NW_004515960.1	37335	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49421B_2338	scaffold507	NW_004515961.1	2338	CC	AA	AA	INTERGENIC		
SNP_49422B_11526	scaffold507	NW_004515961.1	11526	AA	TT	TT	INTERGENIC		
SNP_49423B_11810	scaffold507	NW_004515961.1	11810	GG	TT	TT	INTERGENIC		
SNP_49424B_11811	scaffold507	NW_004515961.1	11811	TT	GG	GG	INTERGENIC		
SNP_49425B_12273	scaffold507	NW_004515961.1	12273	GG	CC	CC	INTERGENIC		
SNP_49426B_12569	scaffold507	NW_004515961.1	12569	CC	TT	TT	INTERGENIC		
SNP_49427B_19155	scaffold507	NW_004515961.1	19155	GG	TT	TT	INTERGENIC		
SNP_49428B_50733	scaffold509	NW_004515962.1	50733	TT	CC	CC	INTERGENIC		
SNP_49429B_51248	scaffold509	NW_004515962.1	51248	AA	TT	TT	INTERGENIC		
SNP_49430B_75725	scaffold509	NW_004515962.1	75725	AA	GG	GG	URR	101511415	uncharacterized LOC101511415
SNP_49431B_122690	scaffold509	NW_004515962.1	122690	TT	CC	CC	INTERGENIC		
SNP_49432B_132541	scaffold509	NW_004515962.1	132541	TT	AA	AA	INTERGENIC		
SNP_49433B_157967	scaffold509	NW_004515962.1	157967	AA	GG	GG	INTERGENIC		
SNP_49434B_158083	scaffold509	NW_004515962.1	158083	TT	AA	AA	INTERGENIC		
SNP_49435B_158088	scaffold509	NW_004515962.1	158088	GG	TT	TT	INTERGENIC		
SNP_49436B_170444	scaffold509	NW_004515962.1	170444	GG	AA	AA	INTERGENIC		
SNP_49437B_175416	scaffold509	NW_004515962.1	175416	AA	GG	GG	INTERGENIC		
SNP_49438B_175431	scaffold509	NW_004515962.1	175431	TT	CC	CC	INTERGENIC		
SNP_49439B_176936	scaffold509	NW_004515962.1	176936	AA	GG	GG	INTERGENIC		
SNP_49440B_179734	scaffold509	NW_004515962.1	179734	TT	CC	CC	INTERGENIC		
SNP_49441B_179886	scaffold509	NW_004515962.1	179886	CC	AA	AA	INTERGENIC		
SNP_49442B_179924	scaffold509	NW_004515962.1	179924	CC	TT	TT	INTERGENIC		
SNP_49443B_179945	scaffold509	NW_004515962.1	179945	TT	CC	CC	INTERGENIC		
SNP_49444B_180007	scaffold509	NW_004515962.1	180007	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49445B_180085	scaffold509	NW_004515962.1	180085	CC	GG	GG	INTERGENIC		
SNP_49446B_180098	scaffold509	NW_004515962.1	180098	AA	CC	CC	INTERGENIC		
SNP_49447B_181136	scaffold509	NW_004515962.1	181136	AA	CC	CC	INTERGENIC		
SNP_49448B_181150	scaffold509	NW_004515962.1	181150	AA	GG	GG	INTERGENIC		
SNP_49449B_189040	scaffold509	NW_004515962.1	189040	AA	GG	GG	INTERGENIC		
SNP_49450B_216357	scaffold509	NW_004515962.1	216357	TT	CC	CC	INTERGENIC		
SNP_49451B_218779	scaffold509	NW_004515962.1	218779	CC	GG	GG	INTERGENIC		
SNP_49452B_218810	scaffold509	NW_004515962.1	218810	TT	GG	GG	INTERGENIC		
SNP_49453B_218813	scaffold509	NW_004515962.1	218813	TT	CC	CC	INTERGENIC		
SNP_49454B_218819	scaffold509	NW_004515962.1	218819	TT	GG	GG	INTERGENIC		
SNP_49455B_218844	scaffold509	NW_004515962.1	218844	GG	AA	AA	INTERGENIC		
SNP_49456B_218855	scaffold509	NW_004515962.1	218855	TT	AA	AA	INTERGENIC		
SNP_49457B_218906	scaffold509	NW_004515962.1	218906	TT	GG	GG	INTERGENIC		
SNP_49458B_218924	scaffold509	NW_004515962.1	218924	CC	TT	TT	INTERGENIC		
SNP_49459B_218925	scaffold509	NW_004515962.1	218925	GG	TT	TT	INTERGENIC		
SNP_49460B_218929	scaffold509	NW_004515962.1	218929	TT	GG	GG	INTERGENIC		
SNP_49461B_225200	scaffold509	NW_004515962.1	225200	AA	GG	GG	INTERGENIC		
SNP_49462B_225203	scaffold509	NW_004515962.1	225203	AA	TT	TT	INTERGENIC		
SNP_49463B_225204	scaffold509	NW_004515962.1	225204	AA	GG	GG	INTERGENIC		
SNP_49464B_225206	scaffold509	NW_004515962.1	225206	CC	GG	GG	INTERGENIC		
SNP_49465B_225215	scaffold509	NW_004515962.1	225215	CC	TT	TT	INTERGENIC		
SNP_49466B_225219	scaffold509	NW_004515962.1	225219	TT	CC	CC	INTERGENIC		
SNP_49467B_225225	scaffold509	NW_004515962.1	225225	AA	GG	GG	INTERGENIC		
SNP_49468B_228797	scaffold509	NW_004515962.1	228797	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49469B_228834	scaffold509	NW_004515962.1	228834	AA	CC	CC	INTERGENIC		
SNP_49470B_228883	scaffold509	NW_004515962.1	228883	TT	CC	CC	INTERGENIC		
SNP_49471B_228913	scaffold509	NW_004515962.1	228913	GG	CC	CC	INTERGENIC		
SNP_49472B_240125	scaffold509	NW_004515962.1	240125	TT	GG	GG	INTERGENIC		
SNP_49473B_240139	scaffold509	NW_004515962.1	240139	TT	GG	GG	INTERGENIC		
SNP_49475B_266429	scaffold509	NW_004515962.1	266429	TT	AA	AA	INTRON	101512063	stress response protein nst1-like
SNP_49476B_266475	scaffold509	NW_004515962.1	266475	GG	CC	CC	INTRON	101512063	stress response protein nst1-like
SNP_49477B_266605	scaffold509	NW_004515962.1	266605	AA	GG	GG	INTRON	101512063	stress response protein nst1-like
SNP_49478B_266717	scaffold509	NW_004515962.1	266717	TT	CC	CC	INTRON	101512063	stress response protein nst1-like
SNP_49479B_266778	scaffold509	NW_004515962.1	266778	GG	TT	TT	INTRON	101512063	stress response protein nst1-like
SNP_49480B_273487	scaffold509	NW_004515962.1	273487	AA	GG	GG	INTRON	101512063	stress response protein nst1-like
SNP_49481B_290251	scaffold509	NW_004515962.1	290251	TT	CC	CC	INTERGENIC		
SNP_49482B_291227	scaffold509	NW_004515962.1	291227	CC	TT	TT	INTERGENIC		
SNP_49483B_2526	scaffold510	NW_004515963.1	2526	TT	CC	CC	INTERGENIC		
SNP_49484B_9242	scaffold510	NW_004515963.1	9242	AA	GG	GG	INTERGENIC		
SNP_49485B_9255	scaffold510	NW_004515963.1	9255	CC	TT	TT	INTERGENIC		
SNP_49487B_24282	scaffold510	NW_004515963.1	24282	GG	TT	TT	INTERGENIC		
SNP_49488B_24633	scaffold510	NW_004515963.1	24633	TT	CC	CC	INTERGENIC		
SNP_49489B_24706	scaffold510	NW_004515963.1	24706	AA	GG	GG	INTERGENIC		
SNP_49490B_25091	scaffold510	NW_004515963.1	25091	TT	CC	CC	INTERGENIC		
SNP_49491B_25149	scaffold510	NW_004515963.1	25149	CC	TT	TT	INTERGENIC		
SNP_49492B_30278	scaffold510	NW_004515963.1	30278	TT	GG	GG	INTERGENIC		
SNP_49493B_40371	scaffold510	NW_004515963.1	40371	AA	GG	GG	INTERGENIC		
SNP_49494B_40379	scaffold510	NW_004515963.1	40379	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49495B_40946	scaffold510	NW_004515963.1	40946	AA	TT	TT	INTERGENIC		
SNP_49496B_47989	scaffold510	NW_004515963.1	47989	AA	TT	TT	INTERGENIC		
SNP_49497B_48141	scaffold510	NW_004515963.1	48141	AA	TT	TT	INTERGENIC		
SNP_49498B_48444	scaffold510	NW_004515963.1	48444	AA	TT	TT	INTERGENIC		
SNP_49499B_58998	scaffold510	NW_004515963.1	58998	TT	GG	GG	INTERGENIC		
SNP_49500B_59163	scaffold510	NW_004515963.1	59163	TT	CC	CC	INTERGENIC		
SNP_49501B_59192	scaffold510	NW_004515963.1	59192	CC	TT	TT	INTERGENIC		
SNP_49502B_71183	scaffold510	NW_004515963.1	71183	AA	TT	TT	INTERGENIC		
SNP_49503B_79322	scaffold510	NW_004515963.1	79322	AA	GG	GG	INTERGENIC		
SNP_49504B_85592	scaffold510	NW_004515963.1	85592	AA	CC	CC	INTERGENIC		
SNP_49506B_85654	scaffold510	NW_004515963.1	85654	TT	GG	GG	INTERGENIC		
SNP_49507B_85666	scaffold510	NW_004515963.1	85666	CC	GG	GG	INTERGENIC		
SNP_49508B_85718	scaffold510	NW_004515963.1	85718	AA	TT	TT	INTERGENIC		
SNP_49509B_85789	scaffold510	NW_004515963.1	85789	AA	CC	CC	INTERGENIC		
SNP_49510B_85852	scaffold510	NW_004515963.1	85852	TT	CC	CC	INTERGENIC		
SNP_49511B_85936	scaffold510	NW_004515963.1	85936	TT	AA	AA	INTERGENIC		
SNP_49512B_85937	scaffold510	NW_004515963.1	85937	AA	GG	GG	INTERGENIC		
SNP_49513B_85958	scaffold510	NW_004515963.1	85958	TT	CC	CC	INTERGENIC		
SNP_49514B_85981	scaffold510	NW_004515963.1	85981	CC	AA	AA	INTERGENIC		
SNP_49515B_85987	scaffold510	NW_004515963.1	85987	CC	GG	GG	INTERGENIC		
SNP_49516B_86002	scaffold510	NW_004515963.1	86002	TT	GG	GG	INTERGENIC		
SNP_49517B_86035	scaffold510	NW_004515963.1	86035	CC	GG	GG	INTERGENIC		
SNP_49518B_86036	scaffold510	NW_004515963.1	86036	TT	AA	AA	INTERGENIC		
SNP_49519B_86059	scaffold510	NW_004515963.1	86059	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49520B_86062	scaffold510	NW_004515963.1	86062	TT	CC	CC	INTERGENIC		
SNP_49521B_86084	scaffold510	NW_004515963.1	86084	CC	TT	TT	INTERGENIC		
SNP_49522B_86107	scaffold510	NW_004515963.1	86107	TT	GG	GG	INTERGENIC		
SNP_49523B_86113	scaffold510	NW_004515963.1	86113	AA	TT	TT	INTERGENIC		
SNP_49524B_86127	scaffold510	NW_004515963.1	86127	GG	TT	TT	INTERGENIC		
SNP_49525B_86146	scaffold510	NW_004515963.1	86146	AA	CC	CC	INTERGENIC		
SNP_49526B_86148	scaffold510	NW_004515963.1	86148	AA	TT	TT	INTERGENIC		
SNP_49527B_86203	scaffold510	NW_004515963.1	86203	CC	AA	AA	INTERGENIC		
SNP_49528B_86237	scaffold510	NW_004515963.1	86237	GG	TT	TT	INTERGENIC		
SNP_49529B_86327	scaffold510	NW_004515963.1	86327	TT	AA	AA	INTERGENIC		
SNP_49530B_86335	scaffold510	NW_004515963.1	86335	AA	TT	TT	INTERGENIC		
SNP_49531B_86371	scaffold510	NW_004515963.1	86371	TT	GG	GG	INTERGENIC		
SNP_49532B_86564	scaffold510	NW_004515963.1	86564	CC	TT	TT	INTERGENIC		
SNP_49533B_86750	scaffold510	NW_004515963.1	86750	TT	CC	CC	INTERGENIC		
SNP_49534B_86858	scaffold510	NW_004515963.1	86858	TT	CC	CC	INTERGENIC		
SNP_49535B_90793	scaffold510	NW_004515963.1	90793	TT	GG	GG	INTERGENIC		
SNP_49536B_92176	scaffold510	NW_004515963.1	92176	TT	AA	AA	INTERGENIC		
SNP_49537B_1952	scaffold511	NW_004515964.1	1952	AA	GG	GG	INTERGENIC		
SNP_49538B_2229	scaffold511	NW_004515964.1	2229	GG	AA	AA	INTERGENIC		
SNP_49539B_2293	scaffold511	NW_004515964.1	2293	GG	AA	AA	INTERGENIC		
SNP_49540B_2473	scaffold511	NW_004515964.1	2473	AA	CC	CC	INTERGENIC		
SNP_49541B_3336	scaffold511	NW_004515964.1	3336	AA	CC	CC	INTERGENIC		
SNP_49542B_3358	scaffold511	NW_004515964.1	3358	TT	CC	CC	INTERGENIC		
SNP_49543B_3393	scaffold511	NW_004515964.1	3393	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49544B_14406	scaffold511	NW_004515964.1	14406	AA	TT	TT	INTERGENIC		
SNP_49545B_14410	scaffold511	NW_004515964.1	14410	AA	GG	GG	INTERGENIC		
SNP_49546B_14417	scaffold511	NW_004515964.1	14417	GG	AA	AA	INTERGENIC		
SNP_49547B_14433	scaffold511	NW_004515964.1	14433	AA	GG	GG	INTERGENIC		
SNP_49548B_40319	scaffold511	NW_004515964.1	40319	CC	TT	TT	INTERGENIC		
SNP_49549B_40342	scaffold511	NW_004515964.1	40342	AA	GG	GG	INTERGENIC		
SNP_49550B_40582	scaffold511	NW_004515964.1	40582	TT	CC	CC	INTERGENIC		
SNP_49551B_42738	scaffold511	NW_004515964.1	42738	GG	CC	CC	INTERGENIC		
SNP_49552B_42945	scaffold511	NW_004515964.1	42945	AA	GG	GG	INTERGENIC		
SNP_49553B_43029	scaffold511	NW_004515964.1	43029	AA	GG	GG	INTERGENIC		
SNP_49554B_43062	scaffold511	NW_004515964.1	43062	AA	CC	CC	INTERGENIC		
SNP_49555B_75266	scaffold511	NW_004515964.1	75266	GG	AA	AA	DRR	101512392	uncharacterized protein At4g15545-like
SNP_49556B_97303	scaffold511	NW_004515964.1	97303	AA	TT	TT	INTERGENIC		
SNP_49557B_97314	scaffold511	NW_004515964.1	97314	CC	TT	TT	INTERGENIC		
SNP_49558B_97513	scaffold511	NW_004515964.1	97513	AA	GG	GG	INTERGENIC		
SNP_49559B_102926	scaffold511	NW_004515964.1	102926	AA	GG	GG	INTERGENIC		
SNP_49560B_103294	scaffold511	NW_004515964.1	103294	GG	AA	AA	INTERGENIC		
SNP_49561B_129715	scaffold511	NW_004515964.1	129715	TT	CC	CC	INTERGENIC		
SNP_49562B_148194	scaffold511	NW_004515964.1	148194	CC	GG	GG	INTERGENIC		
SNP_49563B_148217	scaffold511	NW_004515964.1	148217	AA	CC	CC	INTERGENIC		
SNP_49564B_148233	scaffold511	NW_004515964.1	148233	CC	GG	GG	INTERGENIC		
SNP_49565B_148245	scaffold511	NW_004515964.1	148245	TT	AA	AA	INTERGENIC		
SNP_49566B_148246	scaffold511	NW_004515964.1	148246	CC	TT	TT	INTERGENIC		
SNP_49567B_148248	scaffold511	NW_004515964.1	148248	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49568B_148278	scaffold511	NW_004515964.1	148278	TT	CC	CC	INTERGENIC		
SNP_49569B_148299	scaffold511	NW_004515964.1	148299	TT	CC	CC	INTERGENIC		
SNP_49570B_149950	scaffold511	NW_004515964.1	149950	TT	CC	CC	INTERGENIC		
SNP_49571B_162091	scaffold511	NW_004515964.1	162091	CC	TT	TT	INTERGENIC		
SNP_49572B_185687	scaffold511	NW_004515964.1	185687	CC	TT	TT	SYNONYMOUS_CODING	101514004	uncharacterized LOC101514004
SNP_49573B_186117	scaffold511	NW_004515964.1	186117	GG	TT	TT	STOP_GAINED	101514004	uncharacterized LOC101514004
SNP_49574B_191001	scaffold511	NW_004515964.1	191001	CC	TT	TT	URR	101514004	uncharacterized LOC101514004
SNP_49575B_192867	scaffold511	NW_004515964.1	192867	TT	AA	AA	INTERGENIC		
SNP_49576B_192912	scaffold511	NW_004515964.1	192912	AA	GG	GG	INTERGENIC		
SNP_49577B_192925	scaffold511	NW_004515964.1	192925	AA	GG	GG	INTERGENIC		
SNP_49578B_192994	scaffold511	NW_004515964.1	192994	TT	CC	CC	INTERGENIC		
SNP_49580B_193141	scaffold511	NW_004515964.1	193141	AA	TT	TT	INTERGENIC		
SNP_49581B_193179	scaffold511	NW_004515964.1	193179	TT	GG	GG	INTERGENIC		
SNP_49582B_193242	scaffold511	NW_004515964.1	193242	CC	TT	TT	INTERGENIC		
SNP_49583B_193286	scaffold511	NW_004515964.1	193286	GG	AA	AA	INTERGENIC		
SNP_49584B_193308	scaffold511	NW_004515964.1	193308	TT	GG	GG	INTERGENIC		
SNP_49585B_193355	scaffold511	NW_004515964.1	193355	TT	GG	GG	INTERGENIC		
SNP_49586B_194369	scaffold511	NW_004515964.1	194369	CC	TT	TT	INTERGENIC		
SNP_49587B_194402	scaffold511	NW_004515964.1	194402	TT	CC	CC	INTERGENIC		
SNP_49588B_194423	scaffold511	NW_004515964.1	194423	TT	CC	CC	INTERGENIC		
SNP_49589B_194443	scaffold511	NW_004515964.1	194443	AA	GG	GG	INTRON	101514341	Unknown function
SNP_49590B_194475	scaffold511	NW_004515964.1	194475	TT	AA	AA	INTRON	101514341	Unknown function
SNP_49591B_194479	scaffold511	NW_004515964.1	194479	TT	GG	GG	INTRON	101514341	Unknown function
SNP_49592B_194504	scaffold511	NW_004515964.1	194504	AA	CC	CC	INTRON	101514341	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49593B_194545	scaffold511	NW_004515964.1	194545	GG	AA	AA	INTRON	101514341	Unknown function
SNP_49595B_194660	scaffold511	NW_004515964.1	194660	TT	CC	CC	INTRON	101514341	Unknown function
SNP_49596B_194700	scaffold511	NW_004515964.1	194700	CC	TT	TT	INTRON	101514341	Unknown function
SNP_49597B_194707	scaffold511	NW_004515964.1	194707	TT	CC	CC	INTRON	101514341	Unknown function
SNP_49598B_194830	scaffold511	NW_004515964.1	194830	CC	TT	TT	INTRON	101514341	Unknown function
SNP_49599B_194860	scaffold511	NW_004515964.1	194860	GG	AA	AA	INTRON	101514341	Unknown function
SNP_49600B_224513	scaffold511	NW_004515964.1	224513	GG	TT	TT	INTERGENIC		
SNP_49601B_224528	scaffold511	NW_004515964.1	224528	TT	CC	CC	INTERGENIC		
SNP_49602B_224531	scaffold511	NW_004515964.1	224531	CC	GG	GG	INTERGENIC		
SNP_49603B_224659	scaffold511	NW_004515964.1	224659	AA	GG	GG	INTERGENIC		
SNP_49604B_226416	scaffold511	NW_004515964.1	226416	AA	TT	TT	INTERGENIC		
SNP_49605B_238695	scaffold511	NW_004515964.1	238695	CC	GG	GG	INTERGENIC		
SNP_49606B_687	scaffold512	NW_004515965.1	687	AA	GG	GG	INTERGENIC		
SNP_49607B_718	scaffold512	NW_004515965.1	718	TT	CC	CC	INTERGENIC		
SNP_49608B_732	scaffold512	NW_004515965.1	732	TT	GG	GG	INTERGENIC		
SNP_49609B_931	scaffold512	NW_004515965.1	931	AA	TT	TT	INTERGENIC		
SNP_49610B_21626	scaffold512	NW_004515965.1	21626	AA	TT	TT	INTERGENIC		
SNP_49611B_21726	scaffold512	NW_004515965.1	21726	GG	AA	AA	INTERGENIC		
SNP_49612B_21824	scaffold512	NW_004515965.1	21824	GG	CC	CC	INTERGENIC		
SNP_49613B_34039	scaffold512	NW_004515965.1	34039	GG	AA	AA	INTERGENIC		
SNP_49614B_34112	scaffold512	NW_004515965.1	34112	TT	AA	AA	INTERGENIC		
SNP_49615B_60171	scaffold512	NW_004515965.1	60171	TT	CC	CC	INTERGENIC		
SNP_49616B_60223	scaffold512	NW_004515965.1	60223	TT	CC	CC	INTERGENIC		
SNP_49617B_83265	scaffold512	NW_004515965.1	83265	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49618B_83283	scaffold512	NW_004515965.1	83283	TT	GG	GG	INTERGENIC		
SNP_49619B_83369	scaffold512	NW_004515965.1	83369	CC	TT	TT	INTERGENIC		
SNP_49620B_84310	scaffold512	NW_004515965.1	84310	AA	TT	TT	INTERGENIC		
SNP_49621B_88803	scaffold512	NW_004515965.1	88803	CC	TT	TT	INTERGENIC		
SNP_49622B_98433	scaffold512	NW_004515965.1	98433	CC	GG	GG	INTERGENIC		
SNP_49623B_98735	scaffold512	NW_004515965.1	98735	TT	CC	CC	INTERGENIC		
SNP_49624B_98749	scaffold512	NW_004515965.1	98749	AA	TT	TT	INTERGENIC		
SNP_49625B_98770	scaffold512	NW_004515965.1	98770	AA	TT	TT	INTERGENIC		
SNP_49626B_105479	scaffold512	NW_004515965.1	105479	GG	AA	AA	INTERGENIC		
SNP_49627B_105489	scaffold512	NW_004515965.1	105489	GG	AA	AA	INTERGENIC		
SNP_49628B_105490	scaffold512	NW_004515965.1	105490	AA	GG	GG	INTERGENIC		
SNP_49629B_105530	scaffold512	NW_004515965.1	105530	AA	GG	GG	INTERGENIC		
SNP_49630B_105773	scaffold512	NW_004515965.1	105773	TT	GG	GG	INTERGENIC		
SNP_49631B_105811	scaffold512	NW_004515965.1	105811	TT	AA	AA	INTERGENIC		
SNP_49632B_107657	scaffold512	NW_004515965.1	107657	CC	TT	TT	INTERGENIC		
SNP_49633B_115677	scaffold512	NW_004515965.1	115677	AA	TT	TT	INTERGENIC		
SNP_49634B_126011	scaffold512	NW_004515965.1	126011	CC	TT	TT	INTERGENIC		
SNP_49635B_126056	scaffold512	NW_004515965.1	126056	GG	AA	AA	INTERGENIC		
SNP_49636B_126062	scaffold512	NW_004515965.1	126062	GG	AA	AA	INTERGENIC		
SNP_49637B_126068	scaffold512	NW_004515965.1	126068	CC	TT	TT	INTERGENIC		
SNP_49638B_126119	scaffold512	NW_004515965.1	126119	AA	CC	CC	INTERGENIC		
SNP_49639B_126125	scaffold512	NW_004515965.1	126125	TT	CC	CC	INTERGENIC		
SNP_49640B_126137	scaffold512	NW_004515965.1	126137	AA	CC	CC	INTERGENIC		
SNP_49641B_126149	scaffold512	NW_004515965.1	126149	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49642B_126155	scaffold512	NW_004515965.1	126155	GG	TT	TT	INTERGENIC		
SNP_49643B_126158	scaffold512	NW_004515965.1	126158	CC	TT	TT	INTERGENIC		
SNP_49644B_126167	scaffold512	NW_004515965.1	126167	AA	TT	TT	INTERGENIC		
SNP_49645B_126182	scaffold512	NW_004515965.1	126182	AA	TT	TT	INTERGENIC		
SNP_49646B_126230	scaffold512	NW_004515965.1	126230	GG	AA	AA	INTERGENIC		
SNP_49647B_126246	scaffold512	NW_004515965.1	126246	TT	CC	CC	INTERGENIC		
SNP_49648B_126249	scaffold512	NW_004515965.1	126249	GG	AA	AA	INTERGENIC		
SNP_49649B_126288	scaffold512	NW_004515965.1	126288	GG	AA	AA	INTERGENIC		
SNP_49650B_126320	scaffold512	NW_004515965.1	126320	GG	CC	CC	INTERGENIC		
SNP_49652B_126348	scaffold512	NW_004515965.1	126348	TT	CC	CC	INTERGENIC		
SNP_49653B_126354	scaffold512	NW_004515965.1	126354	CC	TT	TT	INTERGENIC		
SNP_49654B_126360	scaffold512	NW_004515965.1	126360	AA	TT	TT	INTERGENIC		
SNP_49655B_126367	scaffold512	NW_004515965.1	126367	AA	TT	TT	INTERGENIC		
SNP_49656B_126390	scaffold512	NW_004515965.1	126390	AA	GG	GG	INTERGENIC		
SNP_49657B_126446	scaffold512	NW_004515965.1	126446	AA	TT	TT	INTERGENIC		
SNP_49658B_138399	scaffold512	NW_004515965.1	138399	TT	GG	GG	INTERGENIC		
SNP_49659B_138498	scaffold512	NW_004515965.1	138498	AA	TT	TT	INTERGENIC		
SNP_49660B_138511	scaffold512	NW_004515965.1	138511	CC	TT	TT	INTERGENIC		
SNP_49661B_138553	scaffold512	NW_004515965.1	138553	GG	AA	AA	INTERGENIC		
SNP_49662B_138792	scaffold512	NW_004515965.1	138792	CC	GG	GG	INTERGENIC		
SNP_49663B_139628	scaffold512	NW_004515965.1	139628	GG	AA	AA	INTERGENIC		
SNP_49664B_139642	scaffold512	NW_004515965.1	139642	CC	GG	GG	INTERGENIC		
SNP_49665B_139879	scaffold512	NW_004515965.1	139879	AA	GG	GG	INTERGENIC		
SNP_49666B_141696	scaffold512	NW_004515965.1	141696	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49667B_155785	scaffold512	NW_004515965.1	155785	GG	AA	AA	INTERGENIC		
SNP_49668B_162215	scaffold512	NW_004515965.1	162215	AA	TT	TT	INTERGENIC		
SNP_49669B_162392	scaffold512	NW_004515965.1	162392	GG	TT	TT	INTERGENIC		
SNP_49670B_166690	scaffold512	NW_004515965.1	166690	CC	AA	AA	INTERGENIC		
SNP_49671B_169982	scaffold512	NW_004515965.1	169982	CC	GG	GG	INTERGENIC		
SNP_49672B_180334	scaffold512	NW_004515965.1	180334	CC	TT	TT	INTERGENIC		
SNP_49673B_180335	scaffold512	NW_004515965.1	180335	CC	AA	AA	INTERGENIC		
SNP_49674B_180645	scaffold512	NW_004515965.1	180645	AA	GG	GG	INTERGENIC		
SNP_49675B_194060	scaffold512	NW_004515965.1	194060	GG	TT	TT	INTERGENIC		
SNP_49676B_194268	scaffold512	NW_004515965.1	194268	CC	AA	AA	INTERGENIC		
SNP_49677B_202	scaffold513	NW_004515966.1	202	TT	CC	CC	INTERGENIC		
SNP_49680B_300	scaffold513	NW_004515966.1	300	AA	TT	TT	INTERGENIC		
SNP_49681B_429	scaffold513	NW_004515966.1	429	AA	GG	GG	INTERGENIC		
SNP_49682B_584	scaffold513	NW_004515966.1	584	TT	CC	CC	INTERGENIC		
SNP_49683B_644	scaffold513	NW_004515966.1	644	AA	GG	GG	INTERGENIC		
SNP_49684B_1452	scaffold513	NW_004515966.1	1452	GG	AA	AA	INTERGENIC		
SNP_49685B_7241	scaffold513	NW_004515966.1	7241	TT	CC	CC	INTERGENIC		
SNP_49686B_7296	scaffold513	NW_004515966.1	7296	GG	AA	AA	INTERGENIC		
SNP_49687B_9330	scaffold513	NW_004515966.1	9330	TT	GG	GG	INTERGENIC		
SNP_49688B_16908	scaffold513	NW_004515966.1	16908	AA	GG	GG	INTERGENIC		
SNP_49689B_17096	scaffold513	NW_004515966.1	17096	CC	TT	TT	INTERGENIC		
SNP_49690B_17324	scaffold513	NW_004515966.1	17324	CC	AA	AA	INTERGENIC		
SNP_49691B_105	scaffold515	NW_004515967.1	105	TT	CC	CC	INTERGENIC		
SNP_49692B_177	scaffold515	NW_004515967.1	177	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49693B_408	scaffold515	NW_004515967.1	408	TT	CC	CC	INTERGENIC		
SNP_49694B_430	scaffold515	NW_004515967.1	430	AA	GG	GG	INTERGENIC		
SNP_49695B_523	scaffold515	NW_004515967.1	523	CC	AA	AA	INTERGENIC		
SNP_49696B_1108	scaffold515	NW_004515967.1	1108	GG	AA	AA	INTERGENIC		
SNP_49697B_1132	scaffold515	NW_004515967.1	1132	AA	TT	TT	INTERGENIC		
SNP_49698B_1326	scaffold515	NW_004515967.1	1326	AA	GG	GG	INTERGENIC		
SNP_49699B_1373	scaffold515	NW_004515967.1	1373	GG	TT	TT	INTERGENIC		
SNP_49700B_8935	scaffold515	NW_004515967.1	8935	GG	CC	CC	INTERGENIC		
SNP_49701B_8987	scaffold515	NW_004515967.1	8987	TT	GG	GG	INTERGENIC		
SNP_49702B_9034	scaffold515	NW_004515967.1	9034	GG	TT	TT	INTERGENIC		
SNP_49703B_9036	scaffold515	NW_004515967.1	9036	CC	AA	AA	INTERGENIC		
SNP_49704B_9218	scaffold515	NW_004515967.1	9218	GG	AA	AA	INTERGENIC		
SNP_49705B_9266	scaffold515	NW_004515967.1	9266	CC	TT	TT	INTERGENIC		
SNP_49706B_9440	scaffold515	NW_004515967.1	9440	CC	TT	TT	INTERGENIC		
SNP_49707B_9524	scaffold515	NW_004515967.1	9524	AA	GG	GG	INTERGENIC		
SNP_49708B_9551	scaffold515	NW_004515967.1	9551	TT	CC	CC	INTERGENIC		
SNP_49709B_9592	scaffold515	NW_004515967.1	9592	TT	GG	GG	INTERGENIC		
SNP_49710B_9593	scaffold515	NW_004515967.1	9593	GG	AA	AA	INTERGENIC		
SNP_49711B_9609	scaffold515	NW_004515967.1	9609	TT	CC	CC	INTERGENIC		
SNP_49712B_9667	scaffold515	NW_004515967.1	9667	GG	CC	CC	INTERGENIC		
SNP_49713B_9716	scaffold515	NW_004515967.1	9716	AA	CC	CC	INTERGENIC		
SNP_49714B_9811	scaffold515	NW_004515967.1	9811	AA	GG	GG	INTERGENIC		
SNP_49715B_9861	scaffold515	NW_004515967.1	9861	AA	GG	GG	INTERGENIC		
SNP_49716B_9866	scaffold515	NW_004515967.1	9866	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49717B_9985	scaffold515	NW_004515967.1	9985	GG	AA	AA	INTERGENIC		
SNP_49718B_9998	scaffold515	NW_004515967.1	9998	CC	GG	GG	INTERGENIC		
SNP_49719B_10015	scaffold515	NW_004515967.1	10015	TT	AA	AA	INTERGENIC		
SNP_49720B_10099	scaffold515	NW_004515967.1	10099	TT	GG	GG	INTERGENIC		
SNP_49721B_10114	scaffold515	NW_004515967.1	10114	AA	GG	GG	INTERGENIC		
SNP_49722B_10174	scaffold515	NW_004515967.1	10174	GG	TT	TT	INTERGENIC		
SNP_49723B_10264	scaffold515	NW_004515967.1	10264	CC	TT	TT	INTERGENIC		
SNP_49724B_10535	scaffold515	NW_004515967.1	10535	GG	CC	CC	INTERGENIC		
SNP_49725B_10723	scaffold515	NW_004515967.1	10723	GG	TT	TT	INTERGENIC		
SNP_49726B_10791	scaffold515	NW_004515967.1	10791	TT	CC	CC	INTERGENIC		
SNP_49727B_10812	scaffold515	NW_004515967.1	10812	GG	AA	AA	INTERGENIC		
SNP_49728B_10893	scaffold515	NW_004515967.1	10893	CC	TT	TT	INTERGENIC		
SNP_49729B_10907	scaffold515	NW_004515967.1	10907	AA	GG	GG	INTERGENIC		
SNP_49730B_10931	scaffold515	NW_004515967.1	10931	TT	CC	CC	INTERGENIC		
SNP_49731B_10950	scaffold515	NW_004515967.1	10950	CC	GG	GG	INTERGENIC		
SNP_49732B_10990	scaffold515	NW_004515967.1	10990	TT	CC	CC	INTERGENIC		
SNP_49733B_11016	scaffold515	NW_004515967.1	11016	CC	TT	TT	INTERGENIC		
SNP_49734B_11018	scaffold515	NW_004515967.1	11018	AA	TT	TT	INTERGENIC		
SNP_49735B_12032	scaffold515	NW_004515967.1	12032	GG	AA	AA	INTERGENIC		
SNP_49736B_12206	scaffold515	NW_004515967.1	12206	TT	AA	AA	INTERGENIC		
SNP_49737B_12635	scaffold515	NW_004515967.1	12635	TT	CC	CC	INTERGENIC		
SNP_49738B_12687	scaffold515	NW_004515967.1	12687	CC	GG	GG	INTERGENIC		
SNP_49739B_12807	scaffold515	NW_004515967.1	12807	CC	AA	AA	INTERGENIC		
SNP_49740B_12819	scaffold515	NW_004515967.1	12819	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49741B_12917	scaffold515	NW_004515967.1	12917	GG	TT	TT	INTERGENIC		
SNP_49742B_13044	scaffold515	NW_004515967.1	13044	TT	CC	CC	INTERGENIC		
SNP_49743B_13301	scaffold515	NW_004515967.1	13301	AA	GG	GG	INTERGENIC		
SNP_49744B_13333	scaffold515	NW_004515967.1	13333	CC	TT	TT	INTERGENIC		
SNP_49745B_15601	scaffold515	NW_004515967.1	15601	TT	GG	GG	INTERGENIC		
SNP_49746B_15623	scaffold515	NW_004515967.1	15623	GG	TT	TT	INTERGENIC		
SNP_49747B_16176	scaffold515	NW_004515967.1	16176	GG	TT	TT	INTERGENIC		
SNP_49748B_16208	scaffold515	NW_004515967.1	16208	GG	CC	CC	INTERGENIC		
SNP_49749B_16216	scaffold515	NW_004515967.1	16216	CC	AA	AA	INTERGENIC		
SNP_49750B_19607	scaffold515	NW_004515967.1	19607	TT	AA	AA	INTERGENIC		
SNP_49751B_19622	scaffold515	NW_004515967.1	19622	AA	TT	TT	INTERGENIC		
SNP_49752B_19650	scaffold515	NW_004515967.1	19650	TT	GG	GG	INTERGENIC		
SNP_49753B_19653	scaffold515	NW_004515967.1	19653	TT	CC	CC	INTERGENIC		
SNP_49754B_19664	scaffold515	NW_004515967.1	19664	GG	TT	TT	INTERGENIC		
SNP_49755B_21809	scaffold515	NW_004515967.1	21809	TT	CC	CC	INTERGENIC		
SNP_49756B_21839	scaffold515	NW_004515967.1	21839	AA	CC	CC	INTERGENIC		
SNP_49757B_22191	scaffold515	NW_004515967.1	22191	AA	GG	GG	INTERGENIC		
SNP_49758B_24383	scaffold515	NW_004515967.1	24383	TT	AA	AA	INTERGENIC		
SNP_49759B_26076	scaffold515	NW_004515967.1	26076	TT	AA	AA	INTERGENIC		
SNP_49760B_26189	scaffold515	NW_004515967.1	26189	CC	TT	TT	INTERGENIC		
SNP_49762B_28305	scaffold515	NW_004515967.1	28305	TT	GG	GG	INTERGENIC		
SNP_49763B_28327	scaffold515	NW_004515967.1	28327	GG	AA	AA	INTERGENIC		
SNP_49764B_28423	scaffold515	NW_004515967.1	28423	AA	GG	GG	INTERGENIC		
SNP_49765B_28463	scaffold515	NW_004515967.1	28463	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49766B_28510	scaffold515	NW_004515967.1	28510	CC	GG	GG	INTERGENIC		
SNP_49767B_28524	scaffold515	NW_004515967.1	28524	AA	GG	GG	INTERGENIC		
SNP_49768B_28678	scaffold515	NW_004515967.1	28678	TT	GG	GG	INTERGENIC		
SNP_49769B_28713	scaffold515	NW_004515967.1	28713	GG	AA	AA	INTERGENIC		
SNP_49770B_28915	scaffold515	NW_004515967.1	28915	CC	TT	TT	INTERGENIC		
SNP_49771B_29043	scaffold515	NW_004515967.1	29043	AA	GG	GG	INTERGENIC		
SNP_49772B_29173	scaffold515	NW_004515967.1	29173	CC	TT	TT	INTERGENIC		
SNP_49773B_29374	scaffold515	NW_004515967.1	29374	GG	CC	CC	INTERGENIC		
SNP_49774B_29729	scaffold515	NW_004515967.1	29729	TT	CC	CC	INTERGENIC		
SNP_49775B_29736	scaffold515	NW_004515967.1	29736	CC	TT	TT	INTERGENIC		
SNP_49776B_29772	scaffold515	NW_004515967.1	29772	AA	CC	CC	INTERGENIC		
SNP_49777B_29790	scaffold515	NW_004515967.1	29790	TT	CC	CC	INTERGENIC		
SNP_49778B_29791	scaffold515	NW_004515967.1	29791	TT	CC	CC	INTERGENIC		
SNP_49779B_30287	scaffold515	NW_004515967.1	30287	AA	GG	GG	INTERGENIC		
SNP_49780B_30302	scaffold515	NW_004515967.1	30302	CC	AA	AA	INTERGENIC		
SNP_49781B_30351	scaffold515	NW_004515967.1	30351	AA	CC	CC	INTERGENIC		
SNP_49782B_30356	scaffold515	NW_004515967.1	30356	GG	TT	TT	INTERGENIC		
SNP_49783B_30419	scaffold515	NW_004515967.1	30419	AA	GG	GG	INTERGENIC		
SNP_49784B_30497	scaffold515	NW_004515967.1	30497	TT	CC	CC	INTERGENIC		
SNP_49785B_30498	scaffold515	NW_004515967.1	30498	CC	TT	TT	INTERGENIC		
SNP_49786B_30544	scaffold515	NW_004515967.1	30544	CC	AA	AA	INTERGENIC		
SNP_49787B_30578	scaffold515	NW_004515967.1	30578	GG	AA	AA	INTERGENIC		
SNP_49788B_30580	scaffold515	NW_004515967.1	30580	AA	CC	CC	INTERGENIC		
SNP_49789B_30587	scaffold515	NW_004515967.1	30587	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49790B_30655	scaffold515	NW_004515967.1	30655	GG	AA	AA	INTERGENIC		
SNP_49791B_30684	scaffold515	NW_004515967.1	30684	TT	CC	CC	INTERGENIC		
SNP_49792B_30759	scaffold515	NW_004515967.1	30759	AA	GG	GG	INTERGENIC		
SNP_49793B_30788	scaffold515	NW_004515967.1	30788	AA	TT	TT	INTERGENIC		
SNP_49794B_30796	scaffold515	NW_004515967.1	30796	AA	CC	CC	INTERGENIC		
SNP_49795B_30799	scaffold515	NW_004515967.1	30799	CC	GG	GG	INTERGENIC		
SNP_49796B_30800	scaffold515	NW_004515967.1	30800	GG	AA	AA	INTERGENIC		
SNP_49797B_30819	scaffold515	NW_004515967.1	30819	AA	CC	CC	INTERGENIC		
SNP_49798B_30868	scaffold515	NW_004515967.1	30868	AA	GG	GG	INTERGENIC		
SNP_49799B_30872	scaffold515	NW_004515967.1	30872	GG	TT	TT	INTERGENIC		
SNP_49800B_30882	scaffold515	NW_004515967.1	30882	AA	GG	GG	INTERGENIC		
SNP_49801B_30994	scaffold515	NW_004515967.1	30994	TT	CC	CC	INTERGENIC		
SNP_49802B_31072	scaffold515	NW_004515967.1	31072	CC	TT	TT	INTERGENIC		
SNP_49803B_31126	scaffold515	NW_004515967.1	31126	GG	AA	AA	INTERGENIC		
SNP_49804B_31237	scaffold515	NW_004515967.1	31237	GG	TT	TT	INTERGENIC		
SNP_49805B_31279	scaffold515	NW_004515967.1	31279	CC	TT	TT	INTERGENIC		
SNP_49806B_31314	scaffold515	NW_004515967.1	31314	CC	TT	TT	INTERGENIC		
SNP_49807B_31376	scaffold515	NW_004515967.1	31376	GG	AA	AA	INTERGENIC		
SNP_49808B_31390	scaffold515	NW_004515967.1	31390	AA	GG	GG	INTERGENIC		
SNP_49809B_31531	scaffold515	NW_004515967.1	31531	AA	CC	CC	INTERGENIC		
SNP_49810B_31564	scaffold515	NW_004515967.1	31564	GG	CC	CC	INTERGENIC		
SNP_49811B_31671	scaffold515	NW_004515967.1	31671	AA	TT	TT	INTERGENIC		
SNP_49812B_31848	scaffold515	NW_004515967.1	31848	TT	CC	CC	INTERGENIC		
SNP_49813B_31865	scaffold515	NW_004515967.1	31865	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49814B_31976	scaffold515	NW_004515967.1	31976	AA	GG	GG	INTERGENIC		
SNP_49815B_32272	scaffold515	NW_004515967.1	32272	AA	TT	TT	INTERGENIC		
SNP_49816B_32350	scaffold515	NW_004515967.1	32350	CC	GG	GG	INTERGENIC		
SNP_49817B_32364	scaffold515	NW_004515967.1	32364	GG	CC	CC	INTERGENIC		
SNP_49818B_33093	scaffold515	NW_004515967.1	33093	AA	TT	TT	INTERGENIC		
SNP_49819B_33147	scaffold515	NW_004515967.1	33147	TT	CC	CC	INTERGENIC		
SNP_49820B_33155	scaffold515	NW_004515967.1	33155	AA	GG	GG	INTERGENIC		
SNP_49821B_33186	scaffold515	NW_004515967.1	33186	TT	CC	CC	INTERGENIC		
SNP_49822B_33216	scaffold515	NW_004515967.1	33216	TT	CC	CC	INTERGENIC		
SNP_49823B_33244	scaffold515	NW_004515967.1	33244	AA	GG	GG	INTERGENIC		
SNP_49824B_33320	scaffold515	NW_004515967.1	33320	GG	AA	AA	INTERGENIC		
SNP_49825B_33342	scaffold515	NW_004515967.1	33342	AA	TT	TT	INTERGENIC		
SNP_49826B_33391	scaffold515	NW_004515967.1	33391	TT	CC	CC	INTERGENIC		
SNP_49827B_33397	scaffold515	NW_004515967.1	33397	AA	TT	TT	INTERGENIC		
SNP_49828B_33423	scaffold515	NW_004515967.1	33423	GG	AA	AA	INTERGENIC		
SNP_49829B_33483	scaffold515	NW_004515967.1	33483	GG	AA	AA	INTERGENIC		
SNP_49830B_33496	scaffold515	NW_004515967.1	33496	TT	AA	AA	INTERGENIC		
SNP_49831B_33879	scaffold515	NW_004515967.1	33879	CC	AA	AA	INTERGENIC		
SNP_49832B_33953	scaffold515	NW_004515967.1	33953	TT	AA	AA	INTERGENIC		
SNP_49833B_33968	scaffold515	NW_004515967.1	33968	TT	CC	CC	INTERGENIC		
SNP_49834B_34300	scaffold515	NW_004515967.1	34300	GG	AA	AA	INTERGENIC		
SNP_49835B_34319	scaffold515	NW_004515967.1	34319	TT	CC	CC	INTERGENIC		
SNP_49836B_34501	scaffold515	NW_004515967.1	34501	TT	GG	GG	INTERGENIC		
SNP_49837B_34519	scaffold515	NW_004515967.1	34519	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49838B_34603	scaffold515	NW_004515967.1	34603	CC	GG	GG	INTERGENIC		
SNP_49839B_34609	scaffold515	NW_004515967.1	34609	GG	AA	AA	INTERGENIC		
SNP_49840B_34685	scaffold515	NW_004515967.1	34685	CC	AA	AA	INTERGENIC		
SNP_49841B_36422	scaffold515	NW_004515967.1	36422	TT	CC	CC	INTERGENIC		
SNP_49842B_36425	scaffold515	NW_004515967.1	36425	TT	CC	CC	INTERGENIC		
SNP_49843B_36565	scaffold515	NW_004515967.1	36565	GG	TT	TT	INTERGENIC		
SNP_49844B_36587	scaffold515	NW_004515967.1	36587	TT	CC	CC	INTERGENIC		
SNP_49845B_36602	scaffold515	NW_004515967.1	36602	TT	CC	CC	INTERGENIC		
SNP_49846B_36611	scaffold515	NW_004515967.1	36611	AA	GG	GG	INTERGENIC		
SNP_49847B_36618	scaffold515	NW_004515967.1	36618	GG	TT	TT	INTERGENIC		
SNP_49848B_36622	scaffold515	NW_004515967.1	36622	GG	CC	CC	INTERGENIC		
SNP_49849B_38600	scaffold515	NW_004515967.1	38600	GG	TT	TT	INTERGENIC		
SNP_49850B_38887	scaffold515	NW_004515967.1	38887	AA	GG	GG	INTERGENIC		
SNP_49851B_38909	scaffold515	NW_004515967.1	38909	TT	CC	CC	INTERGENIC		
SNP_49852B_38994	scaffold515	NW_004515967.1	38994	AA	TT	TT	INTERGENIC		
SNP_49853B_39160	scaffold515	NW_004515967.1	39160	GG	AA	AA	INTERGENIC		
SNP_49854B_39278	scaffold515	NW_004515967.1	39278	TT	AA	AA	INTERGENIC		
SNP_49855B_39507	scaffold515	NW_004515967.1	39507	AA	CC	CC	INTERGENIC		
SNP_49856B_41099	scaffold515	NW_004515967.1	41099	CC	TT	TT	INTERGENIC		
SNP_49857B_41884	scaffold515	NW_004515967.1	41884	GG	TT	TT	INTERGENIC		
SNP_49858B_42056	scaffold515	NW_004515967.1	42056	TT	AA	AA	INTERGENIC		
SNP_49859B_42569	scaffold515	NW_004515967.1	42569	CC	AA	AA	INTERGENIC		
SNP_49860B_42671	scaffold515	NW_004515967.1	42671	TT	CC	CC	INTERGENIC		
SNP_49861B_42843	scaffold515	NW_004515967.1	42843	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49862B_42851	scaffold515	NW_004515967.1	42851	TT	CC	CC	INTERGENIC		
SNP_49863B_42885	scaffold515	NW_004515967.1	42885	TT	CC	CC	INTERGENIC		
SNP_49864B_42968	scaffold515	NW_004515967.1	42968	TT	CC	CC	INTERGENIC		
SNP_49865B_42992	scaffold515	NW_004515967.1	42992	CC	TT	TT	INTERGENIC		
SNP_49867B_43131	scaffold515	NW_004515967.1	43131	CC	TT	TT	INTERGENIC		
SNP_49868B_43271	scaffold515	NW_004515967.1	43271	TT	CC	CC	INTERGENIC		
SNP_49869B_43506	scaffold515	NW_004515967.1	43506	GG	AA	AA	INTERGENIC		
SNP_49870B_43581	scaffold515	NW_004515967.1	43581	TT	GG	GG	INTERGENIC		
SNP_49871B_43594	scaffold515	NW_004515967.1	43594	TT	CC	CC	INTERGENIC		
SNP_49872B_43699	scaffold515	NW_004515967.1	43699	GG	TT	TT	INTERGENIC		
SNP_49873B_44624	scaffold515	NW_004515967.1	44624	AA	GG	GG	INTERGENIC		
SNP_49874B_44632	scaffold515	NW_004515967.1	44632	GG	TT	TT	INTERGENIC		
SNP_49875B_44640	scaffold515	NW_004515967.1	44640	AA	CC	CC	INTERGENIC		
SNP_49876B_44644	scaffold515	NW_004515967.1	44644	TT	CC	CC	INTERGENIC		
SNP_49877B_44751	scaffold515	NW_004515967.1	44751	AA	TT	TT	INTERGENIC		
SNP_49878B_44756	scaffold515	NW_004515967.1	44756	CC	TT	TT	INTERGENIC		
SNP_49879B_44762	scaffold515	NW_004515967.1	44762	TT	AA	AA	INTERGENIC		
SNP_49880B_44777	scaffold515	NW_004515967.1	44777	CC	TT	TT	INTERGENIC		
SNP_49881B_44779	scaffold515	NW_004515967.1	44779	AA	GG	GG	INTERGENIC		
SNP_49882B_44961	scaffold515	NW_004515967.1	44961	AA	CC	CC	INTERGENIC		
SNP_49883B_45022	scaffold515	NW_004515967.1	45022	CC	TT	TT	INTERGENIC		
SNP_49884B_45033	scaffold515	NW_004515967.1	45033	GG	TT	TT	INTERGENIC		
SNP_49885B_45097	scaffold515	NW_004515967.1	45097	AA	TT	TT	INTERGENIC		
SNP_49886B_45126	scaffold515	NW_004515967.1	45126	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49887B_45265	scaffold515	NW_004515967.1	45265	CC	GG	GG	INTERGENIC		
SNP_49888B_45463	scaffold515	NW_004515967.1	45463	AA	GG	GG	INTERGENIC		
SNP_49889B_45476	scaffold515	NW_004515967.1	45476	GG	AA	AA	INTERGENIC		
SNP_49890B_45654	scaffold515	NW_004515967.1	45654	TT	CC	CC	INTERGENIC		
SNP_49891B_45789	scaffold515	NW_004515967.1	45789	AA	GG	GG	INTERGENIC		
SNP_49892B_45989	scaffold515	NW_004515967.1	45989	CC	TT	TT	INTERGENIC		
SNP_49893B_45994	scaffold515	NW_004515967.1	45994	CC	TT	TT	INTERGENIC		
SNP_49894B_46020	scaffold515	NW_004515967.1	46020	GG	CC	CC	INTERGENIC		
SNP_49895B_46106	scaffold515	NW_004515967.1	46106	CC	AA	AA	INTERGENIC		
SNP_49896B_46114	scaffold515	NW_004515967.1	46114	AA	GG	GG	INTERGENIC		
SNP_49897B_46299	scaffold515	NW_004515967.1	46299	AA	CC	CC	INTERGENIC		
SNP_49898B_46374	scaffold515	NW_004515967.1	46374	AA	GG	GG	INTERGENIC		
SNP_49899B_46398	scaffold515	NW_004515967.1	46398	TT	CC	CC	INTERGENIC		
SNP_49900B_46421	scaffold515	NW_004515967.1	46421	CC	AA	AA	INTERGENIC		
SNP_49901B_46452	scaffold515	NW_004515967.1	46452	CC	TT	TT	INTERGENIC		
SNP_49902B_46496	scaffold515	NW_004515967.1	46496	AA	CC	CC	INTERGENIC		
SNP_49903B_46861	scaffold515	NW_004515967.1	46861	CC	AA	AA	INTERGENIC		
SNP_49904B_47215	scaffold515	NW_004515967.1	47215	CC	TT	TT	INTERGENIC		
SNP_49905B_47326	scaffold515	NW_004515967.1	47326	TT	GG	GG	INTERGENIC		
SNP_49906B_47356	scaffold515	NW_004515967.1	47356	AA	GG	GG	INTERGENIC		
SNP_49907B_47434	scaffold515	NW_004515967.1	47434	CC	GG	GG	INTERGENIC		
SNP_49908B_47499	scaffold515	NW_004515967.1	47499	TT	CC	CC	INTERGENIC		
SNP_49909B_47620	scaffold515	NW_004515967.1	47620	CC	TT	TT	INTERGENIC		
SNP_49910B_47734	scaffold515	NW_004515967.1	47734	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49911B_61043	scaffold515	NW_004515967.1	61043	TT	GG	GG	INTERGENIC		
SNP_49912B_61084	scaffold515	NW_004515967.1	61084	AA	GG	GG	INTERGENIC		
SNP_49913B_61186	scaffold515	NW_004515967.1	61186	TT	AA	AA	INTERGENIC		
SNP_49915B_61285	scaffold515	NW_004515967.1	61285	GG	AA	AA	INTERGENIC		
SNP_49916B_61578	scaffold515	NW_004515967.1	61578	TT	CC	CC	INTERGENIC		
SNP_49917B_61585	scaffold515	NW_004515967.1	61585	AA	CC	CC	INTERGENIC		
SNP_49918B_61624	scaffold515	NW_004515967.1	61624	TT	GG	GG	INTERGENIC		
SNP_49919B_61675	scaffold515	NW_004515967.1	61675	CC	AA	AA	INTERGENIC		
SNP_49921B_61835	scaffold515	NW_004515967.1	61835	GG	AA	AA	INTERGENIC		
SNP_49922B_61917	scaffold515	NW_004515967.1	61917	CC	AA	AA	INTERGENIC		
SNP_49923B_61959	scaffold515	NW_004515967.1	61959	GG	TT	TT	INTERGENIC		
SNP_49924B_62034	scaffold515	NW_004515967.1	62034	AA	GG	GG	INTERGENIC		
SNP_49925B_62055	scaffold515	NW_004515967.1	62055	CC	TT	TT	INTERGENIC		
SNP_49926B_62056	scaffold515	NW_004515967.1	62056	TT	CC	CC	INTERGENIC		
SNP_49927B_62138	scaffold515	NW_004515967.1	62138	AA	TT	TT	INTERGENIC		
SNP_49928B_62139	scaffold515	NW_004515967.1	62139	CC	TT	TT	INTERGENIC		
SNP_49929B_62152	scaffold515	NW_004515967.1	62152	GG	AA	AA	INTERGENIC		
SNP_49930B_62354	scaffold515	NW_004515967.1	62354	AA	TT	TT	INTERGENIC		
SNP_49931B_62381	scaffold515	NW_004515967.1	62381	CC	GG	GG	INTERGENIC		
SNP_49932B_62879	scaffold515	NW_004515967.1	62879	CC	AA	AA	INTERGENIC		
SNP_49933B_63066	scaffold515	NW_004515967.1	63066	CC	GG	GG	INTERGENIC		
SNP_49934B_72678	scaffold515	NW_004515967.1	72678	AA	CC	CC	INTERGENIC		
SNP_49935B_72680	scaffold515	NW_004515967.1	72680	GG	AA	AA	INTERGENIC		
SNP_49936B_72685	scaffold515	NW_004515967.1	72685	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49937B_72686	scaffold515	NW_004515967.1	72686	AA	GG	GG	INTERGENIC		
SNP_49938B_72722	scaffold515	NW_004515967.1	72722	CC	AA	AA	INTERGENIC		
SNP_49939B_72733	scaffold515	NW_004515967.1	72733	TT	CC	CC	INTERGENIC		
SNP_49940B_72736	scaffold515	NW_004515967.1	72736	GG	AA	AA	INTERGENIC		
SNP_49941B_72756	scaffold515	NW_004515967.1	72756	TT	CC	CC	INTERGENIC		
SNP_49942B_72786	scaffold515	NW_004515967.1	72786	AA	CC	CC	INTERGENIC		
SNP_49943B_72806	scaffold515	NW_004515967.1	72806	TT	CC	CC	INTERGENIC		
SNP_49944B_72843	scaffold515	NW_004515967.1	72843	TT	GG	GG	INTERGENIC		
SNP_49945B_80866	scaffold515	NW_004515967.1	80866	AA	TT	TT	INTERGENIC		
SNP_49946B_82556	scaffold515	NW_004515967.1	82556	TT	CC	CC	INTERGENIC		
SNP_49947B_89350	scaffold515	NW_004515967.1	89350	AA	GG	GG	INTERGENIC		
SNP_49948B_174441	scaffold515	NW_004515967.1	174441	TT	CC	CC	INTERGENIC		
SNP_49949B_187504	scaffold515	NW_004515967.1	187504	CC	AA	AA	INTERGENIC		
SNP_49950B_187547	scaffold515	NW_004515967.1	187547	GG	CC	CC	INTERGENIC		
SNP_49951B_187551	scaffold515	NW_004515967.1	187551	TT	CC	CC	INTERGENIC		
SNP_49952B_194615	scaffold515	NW_004515967.1	194615	CC	AA	AA	INTERGENIC		
SNP_49953B_194689	scaffold515	NW_004515967.1	194689	AA	CC	CC	INTERGENIC		
SNP_49954B_198071	scaffold515	NW_004515967.1	198071	TT	AA	AA	INTERGENIC		
SNP_49955B_198085	scaffold515	NW_004515967.1	198085	AA	GG	GG	INTERGENIC		
SNP_49956B_198375	scaffold515	NW_004515967.1	198375	CC	TT	TT	INTERGENIC		
SNP_49957B_198504	scaffold515	NW_004515967.1	198504	CC	TT	TT	INTERGENIC		
SNP_49958B_208751	scaffold515	NW_004515967.1	208751	CC	TT	TT	INTERGENIC		
SNP_49959B_217073	scaffold515	NW_004515967.1	217073	GG	AA	AA	INTERGENIC		
SNP_49960B_225135	scaffold515	NW_004515967.1	225135	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49961B_233189	scaffold515	NW_004515967.1	233189	CC	TT	TT	INTERGENIC		
SNP_49962B_233283	scaffold515	NW_004515967.1	233283	TT	CC	CC	INTERGENIC		
SNP_49963B_233380	scaffold515	NW_004515967.1	233380	CC	AA	AA	INTERGENIC		
SNP_49964B_233505	scaffold515	NW_004515967.1	233505	TT	GG	GG	INTERGENIC		
SNP_49965B_233586	scaffold515	NW_004515967.1	233586	AA	TT	TT	INTERGENIC		
SNP_49966B_234979	scaffold515	NW_004515967.1	234979	GG	AA	AA	INTERGENIC		
SNP_49967B_235053	scaffold515	NW_004515967.1	235053	AA	GG	GG	INTERGENIC		
SNP_49968B_235066	scaffold515	NW_004515967.1	235066	GG	AA	AA	INTERGENIC		
SNP_49969B_235393	scaffold515	NW_004515967.1	235393	AA	TT	TT	INTERGENIC		
SNP_49970B_235439	scaffold515	NW_004515967.1	235439	AA	GG	GG	INTERGENIC		
SNP_49971B_235449	scaffold515	NW_004515967.1	235449	AA	CC	CC	INTERGENIC		
SNP_49972B_235534	scaffold515	NW_004515967.1	235534	GG	AA	AA	INTERGENIC		
SNP_49973B_242099	scaffold515	NW_004515967.1	242099	TT	CC	CC	INTERGENIC		
SNP_49975B_242426	scaffold515	NW_004515967.1	242426	AA	GG	GG	INTERGENIC		
SNP_49976B_253407	scaffold515	NW_004515967.1	253407	CC	TT	TT	INTERGENIC		
SNP_49977B_266007	scaffold515	NW_004515967.1	266007	GG	AA	AA	INTERGENIC		
SNP_49978B_266178	scaffold515	NW_004515967.1	266178	AA	TT	TT	INTERGENIC		
SNP_49979B_266468	scaffold515	NW_004515967.1	266468	GG	AA	AA	INTERGENIC		
SNP_49980B_272459	scaffold515	NW_004515967.1	272459	GG	TT	TT	INTERGENIC		
SNP_49981B_272482	scaffold515	NW_004515967.1	272482	TT	CC	CC	INTERGENIC		
SNP_49982B_272641	scaffold515	NW_004515967.1	272641	AA	GG	GG	INTERGENIC		
SNP_49983B_272665	scaffold515	NW_004515967.1	272665	AA	CC	CC	INTERGENIC		
SNP_49984B_276985	scaffold515	NW_004515967.1	276985	GG	AA	AA	INTERGENIC		
SNP_49985B_277258	scaffold515	NW_004515967.1	277258	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_49986B_277323	scaffold515	NW_004515967.1	277323	TT	GG	GG	INTERGENIC		
SNP_49987B_277374	scaffold515	NW_004515967.1	277374	AA	GG	GG	INTERGENIC		
SNP_49988B_277378	scaffold515	NW_004515967.1	277378	AA	CC	CC	INTERGENIC		
SNP_49989B_280764	scaffold515	NW_004515967.1	280764	TT	CC	CC	INTERGENIC		
SNP_49990B_281074	scaffold515	NW_004515967.1	281074	CC	GG	GG	INTERGENIC		
SNP_49991B_281094	scaffold515	NW_004515967.1	281094	CC	AA	AA	INTERGENIC		
SNP_49992B_186	scaffold520	NW_004515968.1	186	CC	TT	TT	INTERGENIC		
SNP_49993B_293	scaffold520	NW_004515968.1	293	AA	GG	GG	INTERGENIC		
SNP_49994B_368	scaffold520	NW_004515968.1	368	CC	TT	TT	INTERGENIC		
SNP_49995B_700	scaffold520	NW_004515968.1	700	CC	AA	AA	INTERGENIC		
SNP_49996B_717	scaffold520	NW_004515968.1	717	TT	GG	GG	INTERGENIC		
SNP_49997B_718	scaffold520	NW_004515968.1	718	AA	TT	TT	INTERGENIC		
SNP_49998B_738	scaffold520	NW_004515968.1	738	AA	GG	GG	INTERGENIC		
SNP_49999B_917	scaffold520	NW_004515968.1	917	GG	AA	AA	INTERGENIC		
SNP_50000B_1022	scaffold520	NW_004515968.1	1022	TT	AA	AA	INTERGENIC		
SNP_50001B_22117	scaffold520	NW_004515968.1	22117	TT	GG	GG	INTERGENIC		
SNP_50002B_22159	scaffold520	NW_004515968.1	22159	GG	AA	AA	INTERGENIC		
SNP_50003B_22162	scaffold520	NW_004515968.1	22162	TT	CC	CC	INTERGENIC		
SNP_50004B_22194	scaffold520	NW_004515968.1	22194	AA	GG	GG	INTERGENIC		
SNP_50006B_25803	scaffold520	NW_004515968.1	25803	TT	GG	GG	INTERGENIC		
SNP_50007B_26319	scaffold520	NW_004515968.1	26319	AA	GG	GG	INTERGENIC		
SNP_50008B_26320	scaffold520	NW_004515968.1	26320	AA	TT	TT	INTERGENIC		
SNP_50009B_37950	scaffold520	NW_004515968.1	37950	AA	CC	CC	INTERGENIC		
SNP_50010B_71973	scaffold520	NW_004515968.1	71973	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50011B_96117	scaffold520	NW_004515968.1	96117	AA	CC	CC	INTERGENIC		
SNP_50012B_105402	scaffold520	NW_004515968.1	105402	GG	TT	TT	INTERGENIC		
SNP_50013B_113878	scaffold520	NW_004515968.1	113878	TT	GG	GG	INTERGENIC		
SNP_50014B_120399	scaffold520	NW_004515968.1	120399	AA	GG	GG	INTERGENIC		
SNP_50015B_120436	scaffold520	NW_004515968.1	120436	TT	CC	CC	INTERGENIC		
SNP_50016B_120511	scaffold520	NW_004515968.1	120511	TT	CC	CC	INTERGENIC		
SNP_50017B_129703	scaffold520	NW_004515968.1	129703	TT	AA	AA	INTERGENIC		
SNP_50018B_142804	scaffold520	NW_004515968.1	142804	GG	CC	CC	INTERGENIC		
SNP_50019B_142888	scaffold520	NW_004515968.1	142888	TT	CC	CC	INTERGENIC		
SNP_50020B_142926	scaffold520	NW_004515968.1	142926	TT	CC	CC	INTERGENIC		
SNP_50021B_142997	scaffold520	NW_004515968.1	142997	GG	AA	AA	INTERGENIC		
SNP_50022B_143120	scaffold520	NW_004515968.1	143120	TT	CC	CC	INTERGENIC		
SNP_50023B_143128	scaffold520	NW_004515968.1	143128	TT	CC	CC	INTERGENIC		
SNP_50024B_143149	scaffold520	NW_004515968.1	143149	TT	CC	CC	INTERGENIC		
SNP_50025B_143317	scaffold520	NW_004515968.1	143317	TT	AA	AA	INTERGENIC		
SNP_50026B_143339	scaffold520	NW_004515968.1	143339	AA	GG	GG	INTERGENIC		
SNP_50027B_143366	scaffold520	NW_004515968.1	143366	GG	AA	AA	INTERGENIC		
SNP_50028B_143367	scaffold520	NW_004515968.1	143367	AA	GG	GG	INTERGENIC		
SNP_50029B_143377	scaffold520	NW_004515968.1	143377	TT	CC	CC	INTERGENIC		
SNP_50030B_143424	scaffold520	NW_004515968.1	143424	CC	GG	GG	INTERGENIC		
SNP_50031B_160972	scaffold520	NW_004515968.1	160972	TT	GG	GG	INTRON	101515316	uncharacterized LOC101515316
SNP_50032B_161523	scaffold520	NW_004515968.1	161523	CC	TT	TT	URR	101515316	uncharacterized LOC101515316
SNP_50033B_161551	scaffold520	NW_004515968.1	161551	CC	TT	TT	URR	101515316	uncharacterized LOC101515316
SNP_50034B_165417	scaffold520	NW_004515968.1	165417	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50035B_165835	scaffold520	NW_004515968.1	165835	TT	AA	AA	INTERGENIC		
SNP_50036B_167828	scaffold520	NW_004515968.1	167828	AA	GG	GG	INTERGENIC		
SNP_50037B_195425	scaffold520	NW_004515968.1	195425	CC	TT	TT	INTERGENIC		
SNP_50038B_229860	scaffold520	NW_004515968.1	229860	AA	GG	GG	INTERGENIC		
SNP_50039B_229870	scaffold520	NW_004515968.1	229870	AA	CC	CC	INTERGENIC		
SNP_50040B_229872	scaffold520	NW_004515968.1	229872	GG	AA	AA	INTERGENIC		
SNP_50041B_230969	scaffold520	NW_004515968.1	230969	GG	AA	AA	INTERGENIC		
SNP_50042B_231841	scaffold520	NW_004515968.1	231841	AA	GG	GG	INTERGENIC		
SNP_50043B_231856	scaffold520	NW_004515968.1	231856	GG	AA	AA	INTERGENIC		
SNP_50044B_231930	scaffold520	NW_004515968.1	231930	CC	GG	GG	INTERGENIC		
SNP_50045B_12632	scaffold523	NW_004515969.1	12632	CC	AA	AA	INTERGENIC		
SNP_50046B_14235	scaffold523	NW_004515969.1	14235	AA	GG	GG	INTERGENIC		
SNP_50047B_14261	scaffold523	NW_004515969.1	14261	AA	CC	CC	INTERGENIC		
SNP_50048B_14604	scaffold523	NW_004515969.1	14604	TT	CC	CC	INTERGENIC		
SNP_50049B_14606	scaffold523	NW_004515969.1	14606	AA	CC	CC	INTERGENIC		
SNP_50050B_14617	scaffold523	NW_004515969.1	14617	AA	GG	GG	INTERGENIC		
SNP_50051B_1052	scaffold526	NW_004515971.1	1052	TT	CC	CC	INTERGENIC		
SNP_50052B_31458	scaffold526	NW_004515971.1	31458	TT	GG	GG	INTERGENIC		
SNP_50053B_32884	scaffold526	NW_004515971.1	32884	CC	AA	AA	INTERGENIC		
SNP_50054B_32890	scaffold526	NW_004515971.1	32890	TT	AA	AA	INTERGENIC		
SNP_50055B_33153	scaffold526	NW_004515971.1	33153	GG	AA	AA	INTERGENIC		
SNP_50056B_33181	scaffold526	NW_004515971.1	33181	TT	GG	GG	INTERGENIC		
SNP_50057B_47623	scaffold526	NW_004515971.1	47623	TT	CC	CC	INTERGENIC		
SNP_50058B_51752	scaffold526	NW_004515971.1	51752	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50059B_52011	scaffold526	NW_004515971.1	52011	GG	CC	CC	INTERGENIC		
SNP_50060B_58798	scaffold526	NW_004515971.1	58798	GG	AA	AA	INTERGENIC		
SNP_50061B_58805	scaffold526	NW_004515971.1	58805	TT	CC	CC	INTERGENIC		
SNP_50062B_58831	scaffold526	NW_004515971.1	58831	AA	TT	TT	INTERGENIC		
SNP_50063B_58848	scaffold526	NW_004515971.1	58848	AA	GG	GG	INTERGENIC		
SNP_50064B_58852	scaffold526	NW_004515971.1	58852	CC	GG	GG	INTERGENIC		
SNP_50065B_58882	scaffold526	NW_004515971.1	58882	AA	GG	GG	INTERGENIC		
SNP_50066B_58933	scaffold526	NW_004515971.1	58933	TT	CC	CC	INTERGENIC		
SNP_50067B_58980	scaffold526	NW_004515971.1	58980	TT	AA	AA	INTERGENIC		
SNP_50068B_58984	scaffold526	NW_004515971.1	58984	AA	GG	GG	INTERGENIC		
SNP_50069B_59287	scaffold526	NW_004515971.1	59287	CC	TT	TT	INTERGENIC		
SNP_50070B_70520	scaffold526	NW_004515971.1	70520	TT	AA	AA	INTERGENIC		
SNP_50071B_71286	scaffold526	NW_004515971.1	71286	GG	AA	AA	INTERGENIC		
SNP_50072B_71288	scaffold526	NW_004515971.1	71288	TT	CC	CC	INTERGENIC		
SNP_50073B_71328	scaffold526	NW_004515971.1	71328	CC	TT	TT	INTERGENIC		
SNP_50074B_71341	scaffold526	NW_004515971.1	71341	AA	TT	TT	INTERGENIC		
SNP_50075B_71540	scaffold526	NW_004515971.1	71540	TT	AA	AA	INTERGENIC		
SNP_50076B_71551	scaffold526	NW_004515971.1	71551	AA	GG	GG	INTERGENIC		
SNP_50077B_71854	scaffold526	NW_004515971.1	71854	GG	AA	AA	INTERGENIC		
SNP_50078B_79756	scaffold526	NW_004515971.1	79756	CC	TT	TT	INTERGENIC		
SNP_50079B_84365	scaffold526	NW_004515971.1	84365	AA	TT	TT	INTERGENIC		
SNP_50080B_84630	scaffold526	NW_004515971.1	84630	TT	AA	AA	INTERGENIC		
SNP_50081B_90867	scaffold526	NW_004515971.1	90867	CC	AA	AA	INTERGENIC		
SNP_50082B_91115	scaffold526	NW_004515971.1	91115	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50083B_91154	scaffold526	NW_004515971.1	91154	AA	TT	TT	INTERGENIC		
SNP_50084B_93003	scaffold526	NW_004515971.1	93003	AA	GG	GG	INTERGENIC		
SNP_50085B_93008	scaffold526	NW_004515971.1	93008	CC	GG	GG	INTERGENIC		
SNP_50086B_93302	scaffold526	NW_004515971.1	93302	AA	CC	CC	INTERGENIC		
SNP_50087B_101130	scaffold526	NW_004515971.1	101130	AA	TT	TT	INTERGENIC		
SNP_50088B_102795	scaffold526	NW_004515971.1	102795	CC	GG	GG	INTERGENIC		
SNP_50089B_117995	scaffold526	NW_004515971.1	117995	GG	AA	AA	INTERGENIC		
SNP_50090B_129142	scaffold526	NW_004515971.1	129142	CC	TT	TT	INTERGENIC		
SNP_50091B_129793	scaffold526	NW_004515971.1	129793	AA	CC	CC	INTERGENIC		
SNP_50092B_672	scaffold527	NW_004515972.1	672	GG	CC	CC	INTERGENIC		
SNP_50093B_690	scaffold527	NW_004515972.1	690	GG	AA	AA	INTERGENIC		
SNP_50095B_1179	scaffold527	NW_004515972.1	1179	GG	AA	AA	INTERGENIC		
SNP_50096B_1267	scaffold527	NW_004515972.1	1267	AA	CC	CC	INTERGENIC		
SNP_50097B_1744	scaffold527	NW_004515972.1	1744	TT	CC	CC	INTERGENIC		
SNP_50098B_1753	scaffold527	NW_004515972.1	1753	AA	TT	TT	INTERGENIC		
SNP_50099B_2041	scaffold527	NW_004515972.1	2041	GG	AA	AA	INTERGENIC		
SNP_50101B_2104	scaffold527	NW_004515972.1	2104	TT	GG	GG	INTERGENIC		
SNP_50102B_2110	scaffold527	NW_004515972.1	2110	GG	AA	AA	INTERGENIC		
SNP_50103B_2154	scaffold527	NW_004515972.1	2154	CC	GG	GG	INTERGENIC		
SNP_50104B_2502	scaffold527	NW_004515972.1	2502	AA	TT	TT	INTERGENIC		
SNP_50105B_2520	scaffold527	NW_004515972.1	2520	TT	GG	GG	INTERGENIC		
SNP_50106B_2549	scaffold527	NW_004515972.1	2549	TT	AA	AA	INTERGENIC		
SNP_50107B_2688	scaffold527	NW_004515972.1	2688	GG	AA	AA	INTERGENIC		
SNP_50108B_2708	scaffold527	NW_004515972.1	2708	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50109B_2781	scaffold527	NW_004515972.1	2781	GG	TT	TT	INTERGENIC		
SNP_50110B_2811	scaffold527	NW_004515972.1	2811	GG	AA	TT	INTERGENIC		
SNP_50111B_2869	scaffold527	NW_004515972.1	2869	TT	CC	CC	INTERGENIC		
SNP_50112B_2989	scaffold527	NW_004515972.1	2989	CC	AA	AA	INTERGENIC		
SNP_50113B_3182	scaffold527	NW_004515972.1	3182	CC	TT	TT	INTERGENIC		
SNP_50114B_3224	scaffold527	NW_004515972.1	3224	AA	TT	TT	INTERGENIC		
SNP_50115B_3225	scaffold527	NW_004515972.1	3225	AA	GG	GG	INTERGENIC		
SNP_50116B_3619	scaffold527	NW_004515972.1	3619	CC	TT	TT	INTERGENIC		
SNP_50117B_3621	scaffold527	NW_004515972.1	3621	TT	CC	CC	INTERGENIC		
SNP_50118B_3816	scaffold527	NW_004515972.1	3816	TT	CC	CC	INTERGENIC		
SNP_50119B_3848	scaffold527	NW_004515972.1	3848	GG	AA	AA	INTERGENIC		
SNP_50120B_3962	scaffold527	NW_004515972.1	3962	CC	TT	TT	INTERGENIC		
SNP_50121B_3976	scaffold527	NW_004515972.1	3976	CC	TT	TT	INTERGENIC		
SNP_50122B_4016	scaffold527	NW_004515972.1	4016	AA	CC	CC	INTERGENIC		
SNP_50123B_4077	scaffold527	NW_004515972.1	4077	AA	TT	TT	INTERGENIC		
SNP_50124B_4103	scaffold527	NW_004515972.1	4103	AA	CC	CC	INTERGENIC		
SNP_50125B_4121	scaffold527	NW_004515972.1	4121	TT	CC	CC	INTERGENIC		
SNP_50126B_4185	scaffold527	NW_004515972.1	4185	AA	CC	CC	INTERGENIC		
SNP_50127B_4200	scaffold527	NW_004515972.1	4200	CC	TT	TT	INTERGENIC		
SNP_50128B_4224	scaffold527	NW_004515972.1	4224	TT	GG	GG	INTERGENIC		
SNP_50129B_4340	scaffold527	NW_004515972.1	4340	AA	CC	CC	INTERGENIC		
SNP_50130B_4364	scaffold527	NW_004515972.1	4364	CC	TT	TT	INTERGENIC		
SNP_50131B_4557	scaffold527	NW_004515972.1	4557	GG	CC	CC	INTERGENIC		
SNP_50132B_4569	scaffold527	NW_004515972.1	4569	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50133B_4755	scaffold527	NW_004515972.1	4755	AA	GG	GG	INTERGENIC		
SNP_50134B_4772	scaffold527	NW_004515972.1	4772	TT	AA	AA	INTERGENIC		
SNP_50136B_4865	scaffold527	NW_004515972.1	4865	AA	TT	TT	INTERGENIC		
SNP_50137B_4866	scaffold527	NW_004515972.1	4866	GG	TT	TT	INTERGENIC		
SNP_50138B_4952	scaffold527	NW_004515972.1	4952	GG	TT	TT	INTERGENIC		
SNP_50139B_4989	scaffold527	NW_004515972.1	4989	CC	AA	AA	INTERGENIC		
SNP_50140B_5068	scaffold527	NW_004515972.1	5068	TT	AA	AA	INTERGENIC		
SNP_50141B_5074	scaffold527	NW_004515972.1	5074	GG	AA	AA	INTERGENIC		
SNP_50142B_5136	scaffold527	NW_004515972.1	5136	GG	TT	TT	INTERGENIC		
SNP_50143B_23842	scaffold527	NW_004515972.1	23842	TT	AA	AA	INTERGENIC		
SNP_50145B_82469	scaffold527	NW_004515972.1	82469	CC	TT	TT	INTERGENIC		
SNP_50146B_121990	scaffold527	NW_004515972.1	121990	TT	CC	CC	INTRON	101489390	uncharacterized LOC101489390
SNP_50147B_72182	scaffold528	NW_004515973.1	72182	CC	TT	TT	INTERGENIC		
SNP_50148B_72187	scaffold528	NW_004515973.1	72187	CC	AA	AA	INTERGENIC		
SNP_50149B_72370	scaffold528	NW_004515973.1	72370	TT	CC	CC	INTERGENIC		
SNP_50150B_72417	scaffold528	NW_004515973.1	72417	GG	AA	AA	INTERGENIC		
SNP_50151B_72422	scaffold528	NW_004515973.1	72422	CC	GG	GG	INTERGENIC		
SNP_50152B_104292	scaffold528	NW_004515973.1	104292	GG	TT	TT	INTERGENIC		
SNP_50153B_126728	scaffold528	NW_004515973.1	126728	TT	CC	CC	DRR	101493071	Unknown function
SNP_50154B_126772	scaffold528	NW_004515973.1	126772	TT	GG	GG	DRR	101493071	Unknown function
SNP_50155B_126954	scaffold528	NW_004515973.1	126954	CC	TT	TT	DRR	101493071	Unknown function
SNP_50156B_126956	scaffold528	NW_004515973.1	126956	AA	GG	GG	DRR	101493071	Unknown function
SNP_50157B_127148	scaffold528	NW_004515973.1	127148	AA	TT	TT	STOP_LOST	101493071	Unknown function
SNP_50158B_143831	scaffold528	NW_004515973.1	143831	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50159B_165201	scaffold528	NW_004515973.1	165201	TT	CC	CC	INTERGENIC		
SNP_50161B_215715	scaffold528	NW_004515973.1	215715	CC	AA	AA	INTERGENIC		
SNP_50162B_249378	scaffold528	NW_004515973.1	249378	TT	CC	CC	INTERGENIC		
SNP_50163B_285735	scaffold528	NW_004515973.1	285735	TT	GG	GG	INTERGENIC		
SNP_50164B_285749	scaffold528	NW_004515973.1	285749	GG	AA	AA	INTERGENIC		
SNP_50165B_285758	scaffold528	NW_004515973.1	285758	GG	AA	AA	INTERGENIC		
SNP_50166B_285794	scaffold528	NW_004515973.1	285794	CC	AA	AA	INTERGENIC		
SNP_50167B_294811	scaffold528	NW_004515973.1	294811	CC	TT	TT	INTERGENIC		
SNP_50168B_304874	scaffold528	NW_004515973.1	304874	TT	AA	AA	INTERGENIC		
SNP_50169B_319849	scaffold528	NW_004515973.1	319849	AA	GG	GG	INTERGENIC		
SNP_50170B_330	scaffold530	NW_004515974.1	330	CC	TT	TT	INTERGENIC		
SNP_50172B_558	scaffold530	NW_004515974.1	558	TT	CC	CC	INTERGENIC		
SNP_50173B_609	scaffold530	NW_004515974.1	609	CC	AA	AA	INTERGENIC		
SNP_50174B_4155	scaffold530	NW_004515974.1	4155	AA	GG	GG	INTERGENIC		
SNP_50175B_4180	scaffold530	NW_004515974.1	4180	AA	TT	TT	INTERGENIC		
SNP_50176B_4188	scaffold530	NW_004515974.1	4188	GG	AA	AA	INTERGENIC		
SNP_50177B_4201	scaffold530	NW_004515974.1	4201	GG	AA	AA	INTERGENIC		
SNP_50178B_4222	scaffold530	NW_004515974.1	4222	CC	GG	GG	INTERGENIC		
SNP_50179B_4229	scaffold530	NW_004515974.1	4229	TT	AA	AA	INTERGENIC		
SNP_50180B_4232	scaffold530	NW_004515974.1	4232	AA	CC	CC	INTERGENIC		
SNP_50181B_4245	scaffold530	NW_004515974.1	4245	GG	AA	AA	INTERGENIC		
SNP_50182B_4252	scaffold530	NW_004515974.1	4252	AA	CC	CC	INTERGENIC		
SNP_50183B_4269	scaffold530	NW_004515974.1	4269	GG	CC	CC	INTERGENIC		
SNP_50184B_4282	scaffold530	NW_004515974.1	4282	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50185B_4297	scaffold530	NW_004515974.1	4297	CC	GG	GG	INTERGENIC		
SNP_50187B_10684	scaffold530	NW_004515974.1	10684	GG	AA	AA	DRR	101494884	Unknown function
SNP_50188B_10773	scaffold530	NW_004515974.1	10773	AA	GG	GG	DRR	101494884	Unknown function
SNP_50189B_11063	scaffold530	NW_004515974.1	11063	AA	CC	CC	DRR	101494884	Unknown function
SNP_50190B_11298	scaffold530	NW_004515974.1	11298	GG	AA	AA	INTRON	101494884	Unknown function
SNP_50191B_11337	scaffold530	NW_004515974.1	11337	TT	CC	CC	INTRON	101494884	Unknown function
SNP_50192B_44607	scaffold530	NW_004515974.1	44607	GG	TT	TT	INTERGENIC		
SNP_50193B_1236	scaffold531	NW_004515975.1	1236	GG	AA	AA	INTERGENIC		
SNP_50194B_5578	scaffold531	NW_004515975.1	5578	AA	CC	CC	INTERGENIC		
SNP_50195B_11840	scaffold531	NW_004515975.1	11840	TT	CC	CC	INTRON	101496510	protein trichome birefringence-like 19
SNP_50196B_11868	scaffold531	NW_004515975.1	11868	AA	TT	TT	INTRON	101496510	protein trichome birefringence-like 19
SNP_50198B_11926	scaffold531	NW_004515975.1	11926	CC	GG	GG	INTRON	101496510	protein trichome birefringence-like 19
SNP_50199B_11961	scaffold531	NW_004515975.1	11961	AA	GG	GG	INTRON	101496510	protein trichome birefringence-like 19
SNP_50200B_12206	scaffold531	NW_004515975.1	12206	AA	GG	GG	INTRON	101496510	protein trichome birefringence-like 19
SNP_50201B_12295	scaffold531	NW_004515975.1	12295	CC	TT	TT	INTRON	101496510	protein trichome birefringence-like 19
SNP_50202B_12307	scaffold531	NW_004515975.1	12307	CC	TT	TT	INTRON	101496510	protein trichome birefringence-like 19
SNP_50203B_12530	scaffold531	NW_004515975.1	12530	TT	AA	AA	INTRON	101496510	protein trichome birefringence-like 19
SNP_50205B_12601	scaffold531	NW_004515975.1	12601	GG	AA	AA	INTRON	101496510	protein trichome birefringence-like 19
SNP_50206B_12626	scaffold531	NW_004515975.1	12626	AA	CC	CC	INTRON	101496510	protein trichome birefringence-like 19
SNP_50207B_13134	scaffold531	NW_004515975.1	13134	GG	TT	TT	INTRON	101496510	protein trichome birefringence-like 19
SNP_50208B_13207	scaffold531	NW_004515975.1	13207	CC	GG	GG	NON_SYNONYMOUS_CODING	101496510	protein trichome birefringence-like 19
SNP_50209B_13369	scaffold531	NW_004515975.1	13369	TT	AA	AA	NON_SYNONYMOUS_CODING	101496510	protein trichome birefringence-like 19
SNP_50210B_13379	scaffold531	NW_004515975.1	13379	TT	CC	CC	NON_SYNONYMOUS_CODING	101496510	protein trichome birefringence-like 19
SNP_50211B_13442	scaffold531	NW_004515975.1	13442	TT	CC	CC	NON_SYNONYMOUS_CODING	101496510	protein trichome birefringence-like 19

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50212B_13660	scaffold531	NW_004515975.1	13660	TT	GG	GG	SYNONYMOUS_CODING	101496510	protein trichome birefringence-like 19
SNP_50213B_13664	scaffold531	NW_004515975.1	13664	TT	CC	CC	NON_SYNONYMOUS_CODING	101496510	protein trichome birefringence-like 19
SNP_50214B_58324	scaffold531	NW_004515975.1	58324	TT	CC	CC	INTERGENIC		
SNP_50215B_58544	scaffold531	NW_004515975.1	58544	CC	GG	GG	INTERGENIC		
SNP_50216B_60522	scaffold531	NW_004515975.1	60522	AA	GG	GG	INTERGENIC		
SNP_50217B_78028	scaffold531	NW_004515975.1	78028	AA	GG	GG	INTERGENIC		
SNP_50218B_114731	scaffold531	NW_004515975.1	114731	GG	AA	AA	URR	101499351	endo-1,3(4)-beta-glucanase 2-like
SNP_50219B_129677	scaffold531	NW_004515975.1	129677	CC	AA	AA	INTRON	101499968	transmembrane protein 33 homolog
SNP_50220B_160242	scaffold531	NW_004515975.1	160242	TT	AA	AA	INTERGENIC		
SNP_50221B_163981	scaffold531	NW_004515975.1	163981	CC	TT	TT	INTERGENIC		
SNP_50222B_206309	scaffold531	NW_004515975.1	206309	CC	TT	TT	INTERGENIC		
SNP_50223B_206319	scaffold531	NW_004515975.1	206319	AA	TT	TT	INTERGENIC		
SNP_50224B_206338	scaffold531	NW_004515975.1	206338	CC	TT	TT	INTERGENIC		
SNP_50225B_206342	scaffold531	NW_004515975.1	206342	TT	AA	AA	INTERGENIC		
SNP_50226B_206362	scaffold531	NW_004515975.1	206362	AA	TT	TT	INTERGENIC		
SNP_50227B_206369	scaffold531	NW_004515975.1	206369	TT	AA	AA	INTERGENIC		
SNP_50228B_206393	scaffold531	NW_004515975.1	206393	AA	TT	TT	INTERGENIC		
SNP_50229B_206454	scaffold531	NW_004515975.1	206454	AA	TT	TT	INTERGENIC		
SNP_50230B_206611	scaffold531	NW_004515975.1	206611	CC	TT	TT	INTERGENIC		
SNP_50231B_1798	scaffold532	NW_004515976.1	1798	TT	GG	GG	INTERGENIC		
SNP_50232B_1829	scaffold532	NW_004515976.1	1829	TT	CC	CC	INTERGENIC		
SNP_50233B_1873	scaffold532	NW_004515976.1	1873	AA	GG	GG	INTERGENIC		
SNP_50234B_8904	scaffold533	NW_004515977.1	8904	AA	TT	TT	INTERGENIC		
SNP_50235B_8919	scaffold533	NW_004515977.1	8919	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50236B_8927	scaffold533	NW_004515977.1	8927	CC	TT	TT	INTERGENIC		
SNP_50237B_8953	scaffold533	NW_004515977.1	8953	AA	CC	CC	INTERGENIC		
SNP_50238B_8992	scaffold533	NW_004515977.1	8992	CC	TT	TT	INTERGENIC		
SNP_50239B_9015	scaffold533	NW_004515977.1	9015	AA	CC	CC	INTERGENIC		
SNP_50240B_21382	scaffold533	NW_004515977.1	21382	GG	AA	AA	INTERGENIC		
SNP_50241B_23645	scaffold533	NW_004515977.1	23645	AA	TT	TT	INTERGENIC		
SNP_50242B_24201	scaffold533	NW_004515977.1	24201	TT	AA	AA	INTERGENIC		
SNP_50243B_24582	scaffold533	NW_004515977.1	24582	GG	CC	CC	INTERGENIC		
SNP_50244B_22611	scaffold535	NW_004515978.1	22611	CC	TT	TT	INTERGENIC		
SNP_50245B_49296	scaffold535	NW_004515978.1	49296	TT	GG	GG	INTERGENIC		
SNP_50246B_68639	scaffold535	NW_004515978.1	68639	AA	CC	CC	INTERGENIC		
SNP_50247B_68976	scaffold535	NW_004515978.1	68976	TT	GG	GG	INTERGENIC		
SNP_50248B_70131	scaffold535	NW_004515978.1	70131	AA	GG	GG	INTERGENIC		
SNP_50250B_125735	scaffold535	NW_004515978.1	125735	GG	AA	AA	INTERGENIC		
SNP_50251B_17659	scaffold537	NW_004515980.1	17659	AA	CC	CC	INTERGENIC		
SNP_50252B_17714	scaffold537	NW_004515980.1	17714	AA	TT	TT	INTERGENIC		
SNP_50253B_31458	scaffold537	NW_004515980.1	31458	AA	TT	TT	INTERGENIC		
SNP_50254B_31464	scaffold537	NW_004515980.1	31464	AA	CC	CC	INTERGENIC		
SNP_50255B_31491	scaffold537	NW_004515980.1	31491	TT	GG	GG	INTERGENIC		
SNP_50256B_31584	scaffold537	NW_004515980.1	31584	TT	GG	GG	INTERGENIC		
SNP_50257B_31585	scaffold537	NW_004515980.1	31585	GG	TT	TT	INTERGENIC		
SNP_50258B_31885	scaffold537	NW_004515980.1	31885	TT	CC	CC	INTERGENIC		
SNP_50259B_31944	scaffold537	NW_004515980.1	31944	GG	CC	CC	INTERGENIC		
SNP_50260B_32048	scaffold537	NW_004515980.1	32048	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50261B_35364	scaffold537	NW_004515980.1	35364	GG	TT	TT	INTERGENIC		
SNP_50262B_35731	scaffold537	NW_004515980.1	35731	CC	GG	GG	INTERGENIC		
SNP_50263B_35744	scaffold537	NW_004515980.1	35744	TT	GG	GG	INTERGENIC		
SNP_50264B_58790	scaffold537	NW_004515980.1	58790	AA	GG	GG	INTRON	101509814	uncharacterized LOC101509814
SNP_50265B_78562	scaffold537	NW_004515980.1	78562	TT	CC	CC	INTRON	101509814	uncharacterized LOC101509814
SNP_50266B_78641	scaffold537	NW_004515980.1	78641	AA	CC	CC	INTRON	101509814	uncharacterized LOC101509814
SNP_50267B_78771	scaffold537	NW_004515980.1	78771	AA	CC	CC	INTRON	101509814	uncharacterized LOC101509814
SNP_50268B_78856	scaffold537	NW_004515980.1	78856	AA	GG	GG	INTRON	101509814	uncharacterized LOC101509814
SNP_50269B_78860	scaffold537	NW_004515980.1	78860	AA	GG	GG	INTRON	101509814	uncharacterized LOC101509814
SNP_50270B_78877	scaffold537	NW_004515980.1	78877	AA	GG	GG	INTRON	101509814	uncharacterized LOC101509814
SNP_50271B_78882	scaffold537	NW_004515980.1	78882	TT	AA	AA	INTRON	101509814	uncharacterized LOC101509814
SNP_50272B_78904	scaffold537	NW_004515980.1	78904	AA	CC	CC	INTRON	101509814	uncharacterized LOC101509814
SNP_50273B_78942	scaffold537	NW_004515980.1	78942	TT	CC	CC	INTRON	101509814	uncharacterized LOC101509814
SNP_50274B_78972	scaffold537	NW_004515980.1	78972	AA	GG	GG	INTRON	101509814	uncharacterized LOC101509814
SNP_50275B_78985	scaffold537	NW_004515980.1	78985	AA	CC	CC	INTRON	101509814	uncharacterized LOC101509814
SNP_50276B_78986	scaffold537	NW_004515980.1	78986	AA	GG	GG	INTRON	101509814	uncharacterized LOC101509814
SNP_50277B_78988	scaffold537	NW_004515980.1	78988	AA	CC	CC	INTRON	101509814	uncharacterized LOC101509814
SNP_50278B_78996	scaffold537	NW_004515980.1	78996	AA	GG	GG	INTRON	101509814	uncharacterized LOC101509814
SNP_50279B_79002	scaffold537	NW_004515980.1	79002	TT	GG	GG	INTRON	101509814	uncharacterized LOC101509814
SNP_50280B_79006	scaffold537	NW_004515980.1	79006	TT	CC	CC	INTRON	101509814	uncharacterized LOC101509814
SNP_50281B_81093	scaffold537	NW_004515980.1	81093	GG	AA	AA	INTRON	101509814	uncharacterized LOC101509814
SNP_50282B_82318	scaffold537	NW_004515980.1	82318	AA	TT	TT	INTRON	101509814	uncharacterized LOC101509814
SNP_50283B_82393	scaffold537	NW_004515980.1	82393	AA	GG	GG	INTRON	101509814	uncharacterized LOC101509814
SNP_50284B_84656	scaffold537	NW_004515980.1	84656	TT	AA	AA	INTRON	101509814	uncharacterized LOC101509814

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50285B_85150	scaffold537	NW_004515980.1	85150	TT	AA	AA	INTRON	101509814	uncharacterized LOC101509814
SNP_50286B_85172	scaffold537	NW_004515980.1	85172	TT	CC	CC	INTRON	101509814	uncharacterized LOC101509814
SNP_50287B_85178	scaffold537	NW_004515980.1	85178	AA	GG	GG	INTRON	101509814	uncharacterized LOC101509814
SNP_50288B_85183	scaffold537	NW_004515980.1	85183	CC	AA	AA	INTRON	101509814	uncharacterized LOC101509814
SNP_50289B_85230	scaffold537	NW_004515980.1	85230	TT	GG	GG	INTRON	101509814	uncharacterized LOC101509814
SNP_50290B_85258	scaffold537	NW_004515980.1	85258	CC	TT	TT	INTRON	101509814	uncharacterized LOC101509814
SNP_50291B_85259	scaffold537	NW_004515980.1	85259	GG	AA	AA	INTRON	101509814	uncharacterized LOC101509814
SNP_50292B_85308	scaffold537	NW_004515980.1	85308	TT	AA	AA	INTRON	101509814	uncharacterized LOC101509814
SNP_50293B_85349	scaffold537	NW_004515980.1	85349	AA	GG	GG	INTRON	101509814	uncharacterized LOC101509814
SNP_50294B_85692	scaffold537	NW_004515980.1	85692	AA	TT	TT	INTRON	101509814	uncharacterized LOC101509814
SNP_50295B_167092	scaffold537	NW_004515980.1	167092	AA	CC	CC	INTERGENIC		
SNP_50297B_271014	scaffold537	NW_004515980.1	271014	TT	GG	GG	INTERGENIC		
SNP_50298B_271207	scaffold537	NW_004515980.1	271207	CC	TT	TT	INTERGENIC		
SNP_50299B_20526	scaffold543	NW_004515983.1	20526	TT	GG	GG	INTRON	101511004	ABC transporter A family member 7-like
SNP_50300B_20569	scaffold543	NW_004515983.1	20569	AA	TT	TT	INTRON	101511004	ABC transporter A family member 7-like
SNP_50301B_20577	scaffold543	NW_004515983.1	20577	AA	CC	CC	INTRON	101511004	ABC transporter A family member 7-like
SNP_50302B_20606	scaffold543	NW_004515983.1	20606	GG	AA	AA	INTRON	101511004	ABC transporter A family member 7-like
SNP_50303B_20913	scaffold543	NW_004515983.1	20913	AA	TT	TT	INTRON	101511004	ABC transporter A family member 7-like
SNP_50304B_20914	scaffold543	NW_004515983.1	20914	AA	TT	TT	INTRON	101511004	ABC transporter A family member 7-like
SNP_50305B_20944	scaffold543	NW_004515983.1	20944	AA	CC	CC	INTRON	101511004	ABC transporter A family member 7-like
SNP_50306B_28275	scaffold543	NW_004515983.1	28275	AA	GG	GG	URR	101510682	uncharacterized LOC101510682
SNP_50308B_28674	scaffold543	NW_004515983.1	28674	AA	CC	CC	URR	101511004	ABC transporter A family member 7-like
SNP_50309B_31226	scaffold543	NW_004515983.1	31226	AA	GG	GG	INTERGENIC		
SNP_50310B_31246	scaffold543	NW_004515983.1	31246	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50311B_31255	scaffold543	NW_004515983.1	31255	AA	TT	TT	INTERGENIC		
SNP_50312B_31277	scaffold543	NW_004515983.1	31277	TT	CC	CC	INTERGENIC		
SNP_50313B_31658	scaffold543	NW_004515983.1	31658	AA	CC	CC	INTERGENIC		
SNP_50314B_31799	scaffold543	NW_004515983.1	31799	GG	AA	AA	INTERGENIC		
SNP_50316B_68884	scaffold543	NW_004515983.1	68884	TT	CC	CC	INTERGENIC		
SNP_50317B_68922	scaffold543	NW_004515983.1	68922	TT	GG	GG	INTERGENIC		
SNP_50319B_69038	scaffold543	NW_004515983.1	69038	AA	GG	GG	INTERGENIC		
SNP_50322B_100788	scaffold543	NW_004515983.1	100788	AA	GG	GG	INTERGENIC		
SNP_50324B_100845	scaffold543	NW_004515983.1	100845	TT	CC	CC	INTERGENIC		
SNP_50325B_159927	scaffold543	NW_004515983.1	159927	TT	CC	CC	INTERGENIC		
SNP_50326B_159950	scaffold543	NW_004515983.1	159950	AA	GG	GG	INTERGENIC		
SNP_50327B_159953	scaffold543	NW_004515983.1	159953	CC	TT	TT	INTERGENIC		
SNP_50328B_159966	scaffold543	NW_004515983.1	159966	CC	GG	GG	INTERGENIC		
SNP_50329B_160045	scaffold543	NW_004515983.1	160045	AA	GG	GG	INTERGENIC		
SNP_50330B_160112	scaffold543	NW_004515983.1	160112	CC	TT	TT	INTERGENIC		
SNP_50331B_160297	scaffold543	NW_004515983.1	160297	TT	CC	CC	INTERGENIC		
SNP_50332B_160320	scaffold543	NW_004515983.1	160320	GG	AA	AA	INTERGENIC		
SNP_50333B_160418	scaffold543	NW_004515983.1	160418	CC	TT	TT	INTERGENIC		
SNP_50334B_224484	scaffold543	NW_004515983.1	224484	AA	GG	GG	INTERGENIC		
SNP_50335B_224497	scaffold543	NW_004515983.1	224497	CC	TT	TT	INTERGENIC		
SNP_50336B_224524	scaffold543	NW_004515983.1	224524	TT	CC	CC	INTERGENIC		
SNP_50337B_224538	scaffold543	NW_004515983.1	224538	TT	CC	CC	INTERGENIC		
SNP_50338B_224541	scaffold543	NW_004515983.1	224541	AA	GG	GG	INTERGENIC		
SNP_50339B_225626	scaffold543	NW_004515983.1	225626	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50340B_226088	scaffold543	NW_004515983.1	226088	AA	TT	TT	INTERGENIC		
SNP_50341B_226091	scaffold543	NW_004515983.1	226091	CC	AA	AA	INTERGENIC		
SNP_50342B_226101	scaffold543	NW_004515983.1	226101	AA	GG	GG	INTERGENIC		
SNP_50343B_226115	scaffold543	NW_004515983.1	226115	AA	TT	TT	INTERGENIC		
SNP_50344B_226130	scaffold543	NW_004515983.1	226130	TT	AA	AA	INTERGENIC		
SNP_50345B_226152	scaffold543	NW_004515983.1	226152	TT	GG	GG	INTERGENIC		
SNP_50346B_226178	scaffold543	NW_004515983.1	226178	GG	AA	AA	INTERGENIC		
SNP_50347B_226205	scaffold543	NW_004515983.1	226205	CC	TT	TT	INTERGENIC		
SNP_50348B_226209	scaffold543	NW_004515983.1	226209	GG	CC	CC	INTERGENIC		
SNP_50349B_226295	scaffold543	NW_004515983.1	226295	AA	GG	GG	INTERGENIC		
SNP_50350B_226544	scaffold543	NW_004515983.1	226544	AA	TT	TT	INTERGENIC		
SNP_50351B_226579	scaffold543	NW_004515983.1	226579	TT	CC	CC	INTERGENIC		
SNP_50352B_229399	scaffold543	NW_004515983.1	229399	CC	TT	TT	INTERGENIC		
SNP_50353B_229401	scaffold543	NW_004515983.1	229401	AA	TT	TT	INTERGENIC		
SNP_50355B_229617	scaffold543	NW_004515983.1	229617	AA	CC	CC	INTERGENIC		
SNP_50356B_229661	scaffold543	NW_004515983.1	229661	GG	AA	AA	INTERGENIC		
SNP_50357B_229662	scaffold543	NW_004515983.1	229662	AA	TT	TT	INTERGENIC		
SNP_50358B_229664	scaffold543	NW_004515983.1	229664	TT	CC	CC	INTERGENIC		
SNP_50359B_242893	scaffold543	NW_004515983.1	242893	TT	GG	GG	INTERGENIC		
SNP_50360B_242960	scaffold543	NW_004515983.1	242960	GG	AA	AA	INTERGENIC		
SNP_50361B_243070	scaffold543	NW_004515983.1	243070	AA	CC	CC	INTERGENIC		
SNP_50362B_243140	scaffold543	NW_004515983.1	243140	TT	CC	CC	INTERGENIC		
SNP_50363B_243189	scaffold543	NW_004515983.1	243189	AA	GG	GG	INTERGENIC		
SNP_50364B_243275	scaffold543	NW_004515983.1	243275	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50365B_243302	scaffold543	NW_004515983.1	243302	CC	TT	TT	INTERGENIC		
SNP_50366B_243402	scaffold543	NW_004515983.1	243402	GG	AA	AA	INTERGENIC		
SNP_50367B_243414	scaffold543	NW_004515983.1	243414	TT	CC	CC	INTERGENIC		
SNP_50368B_243452	scaffold543	NW_004515983.1	243452	AA	GG	GG	INTERGENIC		
SNP_50369B_7148	scaffold544	NW_004515984.1	7148	AA	CC	CC	INTERGENIC		
SNP_50370B_7231	scaffold544	NW_004515984.1	7231	CC	TT	TT	INTERGENIC		
SNP_50371B_8037	scaffold544	NW_004515984.1	8037	CC	AA	AA	INTERGENIC		
SNP_50372B_16359	scaffold544	NW_004515984.1	16359	AA	TT	TT	INTERGENIC		
SNP_50373B_16442	scaffold544	NW_004515984.1	16442	TT	GG	GG	INTERGENIC		
SNP_50374B_16453	scaffold544	NW_004515984.1	16453	TT	CC	CC	INTERGENIC		
SNP_50375B_17100	scaffold544	NW_004515984.1	17100	CC	GG	GG	INTERGENIC		
SNP_50376B_18867	scaffold544	NW_004515984.1	18867	CC	TT	TT	INTERGENIC		
SNP_50377B_46375	scaffold544	NW_004515984.1	46375	CC	TT	TT	INTERGENIC		
SNP_50378B_50913	scaffold544	NW_004515984.1	50913	CC	GG	GG	INTERGENIC		
SNP_50379B_51277	scaffold544	NW_004515984.1	51277	TT	GG	GG	INTERGENIC		
SNP_50380B_51302	scaffold544	NW_004515984.1	51302	AA	GG	GG	INTERGENIC		
SNP_50381B_51782	scaffold544	NW_004515984.1	51782	GG	AA	AA	INTERGENIC		
SNP_50382B_51878	scaffold544	NW_004515984.1	51878	AA	TT	TT	INTERGENIC		
SNP_50383B_51973	scaffold544	NW_004515984.1	51973	GG	CC	CC	INTERGENIC		
SNP_50384B_53972	scaffold544	NW_004515984.1	53972	TT	CC	CC	INTERGENIC		
SNP_50385B_54716	scaffold544	NW_004515984.1	54716	AA	GG	GG	INTERGENIC		
SNP_50386B_54772	scaffold544	NW_004515984.1	54772	GG	TT	TT	INTERGENIC		
SNP_50387B_55233	scaffold544	NW_004515984.1	55233	AA	GG	GG	INTERGENIC		
SNP_50388B_55436	scaffold544	NW_004515984.1	55436	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50389B_56072	scaffold544	NW_004515984.1	56072	GG	AA	AA	INTERGENIC		
SNP_50390B_56579	scaffold544	NW_004515984.1	56579	GG	AA	AA	INTERGENIC		
SNP_50391B_56783	scaffold544	NW_004515984.1	56783	GG	TT	TT	INTERGENIC		
SNP_50392B_56827	scaffold544	NW_004515984.1	56827	GG	AA	AA	INTERGENIC		
SNP_50393B_57046	scaffold544	NW_004515984.1	57046	TT	AA	AA	INTERGENIC		
SNP_50394B_57187	scaffold544	NW_004515984.1	57187	AA	CC	CC	INTERGENIC		
SNP_50395B_58198	scaffold544	NW_004515984.1	58198	CC	AA	AA	INTERGENIC		
SNP_50396B_58444	scaffold544	NW_004515984.1	58444	TT	CC	CC	INTERGENIC		
SNP_50397B_58647	scaffold544	NW_004515984.1	58647	AA	TT	TT	INTERGENIC		
SNP_50398B_58742	scaffold544	NW_004515984.1	58742	GG	CC	CC	INTERGENIC		
SNP_50399B_58769	scaffold544	NW_004515984.1	58769	TT	AA	AA	INTERGENIC		
SNP_50400B_59155	scaffold544	NW_004515984.1	59155	TT	AA	AA	INTERGENIC		
SNP_50401B_59836	scaffold544	NW_004515984.1	59836	CC	GG	GG	INTERGENIC		
SNP_50402B_59955	scaffold544	NW_004515984.1	59955	TT	AA	AA	INTERGENIC		
SNP_50403B_60052	scaffold544	NW_004515984.1	60052	GG	AA	AA	INTERGENIC		
SNP_50404B_60152	scaffold544	NW_004515984.1	60152	GG	AA	AA	INTERGENIC		
SNP_50405B_60196	scaffold544	NW_004515984.1	60196	TT	GG	GG	INTERGENIC		
SNP_50406B_60264	scaffold544	NW_004515984.1	60264	AA	GG	GG	INTERGENIC		
SNP_50407B_60568	scaffold544	NW_004515984.1	60568	AA	GG	GG	INTERGENIC		
SNP_50408B_60651	scaffold544	NW_004515984.1	60651	TT	AA	AA	INTERGENIC		
SNP_50409B_60913	scaffold544	NW_004515984.1	60913	CC	GG	GG	INTERGENIC		
SNP_50410B_61062	scaffold544	NW_004515984.1	61062	AA	GG	GG	INTERGENIC		
SNP_50411B_61167	scaffold544	NW_004515984.1	61167	GG	TT	TT	INTERGENIC		
SNP_50412B_61225	scaffold544	NW_004515984.1	61225	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50413B_61422	scaffold544	NW_004515984.1	61422	AA	TT	TT	INTERGENIC		
SNP_50414B_61611	scaffold544	NW_004515984.1	61611	AA	GG	GG	INTERGENIC		
SNP_50415B_62489	scaffold544	NW_004515984.1	62489	TT	AA	AA	INTERGENIC		
SNP_50416B_62600	scaffold544	NW_004515984.1	62600	AA	TT	TT	INTERGENIC		
SNP_50417B_63062	scaffold544	NW_004515984.1	63062	TT	GG	GG	INTERGENIC		
SNP_50418B_63114	scaffold544	NW_004515984.1	63114	AA	GG	GG	INTERGENIC		
SNP_50419B_63148	scaffold544	NW_004515984.1	63148	CC	GG	GG	INTERGENIC		
SNP_50420B_63161	scaffold544	NW_004515984.1	63161	AA	GG	GG	INTERGENIC		
SNP_50421B_63190	scaffold544	NW_004515984.1	63190	AA	GG	GG	INTERGENIC		
SNP_50422B_63341	scaffold544	NW_004515984.1	63341	CC	TT	TT	INTERGENIC		
SNP_50423B_63397	scaffold544	NW_004515984.1	63397	AA	GG	GG	INTERGENIC		
SNP_50424B_66553	scaffold544	NW_004515984.1	66553	GG	CC	CC	INTERGENIC		
SNP_50425B_66564	scaffold544	NW_004515984.1	66564	CC	AA	AA	INTERGENIC		
SNP_50426B_66609	scaffold544	NW_004515984.1	66609	TT	AA	AA	INTERGENIC		
SNP_50427B_66754	scaffold544	NW_004515984.1	66754	GG	AA	AA	INTERGENIC		
SNP_50428B_66956	scaffold544	NW_004515984.1	66956	CC	AA	AA	INTERGENIC		
SNP_50429B_67016	scaffold544	NW_004515984.1	67016	TT	AA	AA	INTERGENIC		
SNP_50430B_67556	scaffold544	NW_004515984.1	67556	GG	CC	CC	INTERGENIC		
SNP_50431B_67681	scaffold544	NW_004515984.1	67681	TT	GG	GG	INTERGENIC		
SNP_50432B_67746	scaffold544	NW_004515984.1	67746	CC	AA	AA	INTERGENIC		
SNP_50433B_67844	scaffold544	NW_004515984.1	67844	TT	CC	CC	INTERGENIC		
SNP_50434B_67994	scaffold544	NW_004515984.1	67994	CC	AA	AA	INTERGENIC		
SNP_50435B_69653	scaffold544	NW_004515984.1	69653	TT	AA	AA	INTERGENIC		
SNP_50436B_69808	scaffold544	NW_004515984.1	69808	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50437B_70337	scaffold544	NW_004515984.1	70337	TT	AA	AA	INTERGENIC		
SNP_50439B_70446	scaffold544	NW_004515984.1	70446	TT	AA	AA	INTERGENIC		
SNP_50440B_70517	scaffold544	NW_004515984.1	70517	TT	GG	GG	INTERGENIC		
SNP_50441B_70521	scaffold544	NW_004515984.1	70521	AA	TT	TT	INTERGENIC		
SNP_50442B_70522	scaffold544	NW_004515984.1	70522	AA	CC	CC	INTERGENIC		
SNP_50443B_70527	scaffold544	NW_004515984.1	70527	TT	GG	GG	INTERGENIC		
SNP_50444B_70561	scaffold544	NW_004515984.1	70561	TT	GG	GG	INTERGENIC		
SNP_50445B_70568	scaffold544	NW_004515984.1	70568	CC	AA	AA	INTERGENIC		
SNP_50446B_70597	scaffold544	NW_004515984.1	70597	GG	CC	CC	INTERGENIC		
SNP_50447B_76575	scaffold544	NW_004515984.1	76575	AA	TT	TT	INTERGENIC		
SNP_50448B_76701	scaffold544	NW_004515984.1	76701	TT	CC	CC	INTERGENIC		
SNP_50449B_76761	scaffold544	NW_004515984.1	76761	AA	CC	CC	INTERGENIC		
SNP_50450B_76802	scaffold544	NW_004515984.1	76802	AA	CC	CC	INTERGENIC		
SNP_50451B_77345	scaffold544	NW_004515984.1	77345	TT	AA	AA	INTERGENIC		
SNP_50452B_81671	scaffold544	NW_004515984.1	81671	AA	GG	GG	INTERGENIC		
SNP_50453B_81732	scaffold544	NW_004515984.1	81732	TT	AA	AA	INTERGENIC		
SNP_50454B_82305	scaffold544	NW_004515984.1	82305	CC	AA	AA	INTERGENIC		
SNP_50455B_84138	scaffold544	NW_004515984.1	84138	CC	TT	TT	INTERGENIC		
SNP_50456B_84622	scaffold544	NW_004515984.1	84622	GG	AA	AA	INTERGENIC		
SNP_50457B_84739	scaffold544	NW_004515984.1	84739	AA	CC	CC	INTERGENIC		
SNP_50458B_85538	scaffold544	NW_004515984.1	85538	AA	CC	CC	INTERGENIC		
SNP_50460B_85796	scaffold544	NW_004515984.1	85796	CC	TT	TT	INTERGENIC		
SNP_50461B_86007	scaffold544	NW_004515984.1	86007	GG	CC	CC	INTERGENIC		
SNP_50462B_86816	scaffold544	NW_004515984.1	86816	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50463B_87367	scaffold544	NW_004515984.1	87367	TT	CC	CC	INTERGENIC		
SNP_50464B_88599	scaffold544	NW_004515984.1	88599	AA	GG	GG	INTERGENIC		
SNP_50465B_93443	scaffold544	NW_004515984.1	93443	AA	GG	GG	INTERGENIC		
SNP_50466B_93444	scaffold544	NW_004515984.1	93444	CC	GG	GG	INTERGENIC		
SNP_50467B_96496	scaffold544	NW_004515984.1	96496	TT	GG	GG	INTERGENIC		
SNP_50468B_96504	scaffold544	NW_004515984.1	96504	TT	CC	CC	INTERGENIC		
SNP_50469B_96507	scaffold544	NW_004515984.1	96507	TT	AA	AA	INTERGENIC		
SNP_50470B_96786	scaffold544	NW_004515984.1	96786	AA	GG	GG	INTERGENIC		
SNP_50472B_105485	scaffold544	NW_004515984.1	105485	TT	CC	CC	INTERGENIC		
SNP_50473B_105804	scaffold544	NW_004515984.1	105804	AA	CC	CC	INTERGENIC		
SNP_50474B_111076	scaffold544	NW_004515984.1	111076	CC	AA	AA	INTERGENIC		
SNP_50475B_118052	scaffold544	NW_004515984.1	118052	TT	CC	CC	INTERGENIC		
SNP_50476B_123360	scaffold544	NW_004515984.1	123360	GG	AA	AA	INTERGENIC		
SNP_50477B_123365	scaffold544	NW_004515984.1	123365	GG	AA	AA	INTERGENIC		
SNP_50478B_123370	scaffold544	NW_004515984.1	123370	AA	GG	GG	INTERGENIC		
SNP_50479B_123459	scaffold544	NW_004515984.1	123459	AA	TT	TT	INTERGENIC		
SNP_50480B_123479	scaffold544	NW_004515984.1	123479	TT	AA	AA	INTERGENIC		
SNP_50481B_123502	scaffold544	NW_004515984.1	123502	AA	CC	CC	INTERGENIC		
SNP_50482B_125394	scaffold544	NW_004515984.1	125394	CC	TT	TT	INTERGENIC		
SNP_50483B_125609	scaffold544	NW_004515984.1	125609	TT	AA	AA	INTERGENIC		
SNP_50484B_125694	scaffold544	NW_004515984.1	125694	AA	GG	GG	INTERGENIC		
SNP_50485B_125707	scaffold544	NW_004515984.1	125707	GG	TT	TT	INTERGENIC		
SNP_50486B_125923	scaffold544	NW_004515984.1	125923	AA	GG	GG	INTERGENIC		
SNP_50487B_125978	scaffold544	NW_004515984.1	125978	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50488B_126139	scaffold544	NW_004515984.1	126139	GG	AA	AA	INTERGENIC		
SNP_50489B_126197	scaffold544	NW_004515984.1	126197	CC	TT	TT	INTERGENIC		
SNP_50490B_126207	scaffold544	NW_004515984.1	126207	GG	CC	CC	INTERGENIC		
SNP_50491B_126266	scaffold544	NW_004515984.1	126266	CC	AA	AA	INTERGENIC		
SNP_50492B_126373	scaffold544	NW_004515984.1	126373	CC	GG	GG	INTERGENIC		
SNP_50493B_128362	scaffold544	NW_004515984.1	128362	TT	AA	AA	INTERGENIC		
SNP_50494B_129509	scaffold544	NW_004515984.1	129509	TT	AA	AA	INTERGENIC		
SNP_50495B_130684	scaffold544	NW_004515984.1	130684	CC	TT	TT	INTERGENIC		
SNP_50496B_130712	scaffold544	NW_004515984.1	130712	TT	AA	AA	INTERGENIC		
SNP_50497B_130940	scaffold544	NW_004515984.1	130940	AA	GG	GG	INTERGENIC		
SNP_50498B_132673	scaffold544	NW_004515984.1	132673	CC	TT	TT	INTERGENIC		
SNP_50499B_132699	scaffold544	NW_004515984.1	132699	CC	GG	GG	INTERGENIC		
SNP_50500B_132953	scaffold544	NW_004515984.1	132953	GG	CC	CC	INTERGENIC		
SNP_50501B_133654	scaffold544	NW_004515984.1	133654	CC	TT	TT	INTERGENIC		
SNP_50502B_134609	scaffold544	NW_004515984.1	134609	AA	CC	CC	INTERGENIC		
SNP_50503B_134656	scaffold544	NW_004515984.1	134656	TT	CC	CC	INTERGENIC		
SNP_50504B_137171	scaffold544	NW_004515984.1	137171	AA	TT	TT	INTERGENIC		
SNP_50505B_137545	scaffold544	NW_004515984.1	137545	TT	GG	GG	INTERGENIC		
SNP_50506B_137617	scaffold544	NW_004515984.1	137617	GG	CC	CC	INTERGENIC		
SNP_50507B_144449	scaffold544	NW_004515984.1	144449	AA	TT	TT	INTERGENIC		
SNP_50508B_146316	scaffold544	NW_004515984.1	146316	GG	AA	AA	INTERGENIC		
SNP_50511B_167853	scaffold544	NW_004515984.1	167853	GG	AA	AA	INTERGENIC		
SNP_50512B_167855	scaffold544	NW_004515984.1	167855	CC	AA	AA	INTERGENIC		
SNP_50513B_176904	scaffold544	NW_004515984.1	176904	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50514B_177029	scaffold544	NW_004515984.1	177029	AA	CC	CC	INTERGENIC		
SNP_50515B_177055	scaffold544	NW_004515984.1	177055	AA	GG	GG	INTERGENIC		
SNP_50516B_180900	scaffold544	NW_004515984.1	180900	TT	CC	CC	INTERGENIC		
SNP_50517B_181230	scaffold544	NW_004515984.1	181230	CC	TT	TT	INTERGENIC		
SNP_50518B_181260	scaffold544	NW_004515984.1	181260	CC	TT	TT	INTERGENIC		
SNP_50519B_181318	scaffold544	NW_004515984.1	181318	TT	CC	CC	INTERGENIC		
SNP_50520B_181945	scaffold544	NW_004515984.1	181945	AA	TT	TT	INTERGENIC		
SNP_50521B_182054	scaffold544	NW_004515984.1	182054	GG	AA	AA	INTERGENIC		
SNP_50522B_182089	scaffold544	NW_004515984.1	182089	GG	AA	AA	INTERGENIC		
SNP_50524B_193582	scaffold544	NW_004515984.1	193582	AA	GG	GG	INTERGENIC		
SNP_50525B_196248	scaffold544	NW_004515984.1	196248	AA	CC	CC	INTERGENIC		
SNP_50526B_211161	scaffold544	NW_004515984.1	211161	AA	TT	TT	INTERGENIC		
SNP_50527B_211334	scaffold544	NW_004515984.1	211334	TT	GG	GG	INTERGENIC		
SNP_50528B_211638	scaffold544	NW_004515984.1	211638	GG	AA	AA	INTERGENIC		
SNP_50529B_212748	scaffold544	NW_004515984.1	212748	AA	TT	TT	INTERGENIC		
SNP_50530B_217025	scaffold544	NW_004515984.1	217025	TT	GG	GG	INTERGENIC		
SNP_50531B_221548	scaffold544	NW_004515984.1	221548	AA	GG	GG	INTERGENIC		
SNP_50533B_228197	scaffold544	NW_004515984.1	228197	CC	TT	TT	INTERGENIC		
SNP_50534B_228598	scaffold544	NW_004515984.1	228598	AA	GG	GG	INTERGENIC		
SNP_50535B_231974	scaffold544	NW_004515984.1	231974	AA	GG	GG	INTERGENIC		
SNP_50536B_232595	scaffold544	NW_004515984.1	232595	TT	AA	AA	INTERGENIC		
SNP_50537B_233936	scaffold544	NW_004515984.1	233936	TT	CC	CC	INTERGENIC		
SNP_50538B_237321	scaffold544	NW_004515984.1	237321	TT	CC	CC	INTERGENIC		
SNP_50539B_241136	scaffold544	NW_004515984.1	241136	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50540B_241261	scaffold544	NW_004515984.1	241261	CC	TT	TT	INTERGENIC		
SNP_50541B_241432	scaffold544	NW_004515984.1	241432	CC	AA	AA	INTERGENIC		
SNP_50542B_241591	scaffold544	NW_004515984.1	241591	CC	TT	TT	INTERGENIC		
SNP_50543B_241649	scaffold544	NW_004515984.1	241649	TT	CC	CC	INTERGENIC		
SNP_50544B_244178	scaffold544	NW_004515984.1	244178	GG	AA	AA	INTERGENIC		
SNP_50545B_248219	scaffold544	NW_004515984.1	248219	CC	TT	TT	INTERGENIC		
SNP_50546B_248555	scaffold544	NW_004515984.1	248555	TT	CC	CC	INTERGENIC		
SNP_50547B_266924	scaffold544	NW_004515984.1	266924	GG	TT	TT	URR	101489171	Unknown function
SNP_50548B_269360	scaffold544	NW_004515984.1	269360	AA	GG	GG	INTERGENIC		
SNP_50550B_286902	scaffold544	NW_004515984.1	286902	CC	TT	TT	INTERGENIC		
SNP_50551B_287527	scaffold544	NW_004515984.1	287527	CC	AA	AA	INTERGENIC		
SNP_50552B_304009	scaffold544	NW_004515984.1	304009	CC	TT	TT	INTERGENIC		
SNP_50553B_318317	scaffold544	NW_004515984.1	318317	GG	AA	AA	INTERGENIC		
SNP_50554B_318435	scaffold544	NW_004515984.1	318435	TT	AA	AA	INTERGENIC		
SNP_50555B_318662	scaffold544	NW_004515984.1	318662	TT	CC	CC	INTERGENIC		
SNP_50556B_318787	scaffold544	NW_004515984.1	318787	CC	TT	TT	INTERGENIC		
SNP_50557B_318832	scaffold544	NW_004515984.1	318832	AA	CC	CC	INTERGENIC		
SNP_50558B_320233	scaffold544	NW_004515984.1	320233	GG	AA	AA	INTERGENIC		
SNP_50559B_329108	scaffold544	NW_004515984.1	329108	TT	GG	GG	INTERGENIC		
SNP_50560B_331981	scaffold544	NW_004515984.1	331981	GG	AA	AA	INTERGENIC		
SNP_50561B_338581	scaffold544	NW_004515984.1	338581	CC	GG	GG	INTERGENIC		
SNP_50563B_11453	scaffold545	NW_004515985.1	11453	TT	CC	CC	INTERGENIC		
SNP_50564B_11462	scaffold545	NW_004515985.1	11462	AA	GG	GG	INTERGENIC		
SNP_50565B_11485	scaffold545	NW_004515985.1	11485	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50566B_11568	scaffold545	NW_004515985.1	11568	AA	GG	GG	INTERGENIC		
SNP_50567B_12944	scaffold545	NW_004515985.1	12944	TT	CC	CC	INTERGENIC		
SNP_50568B_12993	scaffold545	NW_004515985.1	12993	CC	TT	TT	INTERGENIC		
SNP_50569B_155804	scaffold545	NW_004515985.1	155804	TT	CC	CC	INTERGENIC		
SNP_50570B_183768	scaffold545	NW_004515985.1	183768	TT	CC	CC	INTERGENIC		
SNP_50571B_183948	scaffold545	NW_004515985.1	183948	CC	AA	AA	INTERGENIC		
SNP_50572B_192264	scaffold545	NW_004515985.1	192264	GG	TT	TT	INTERGENIC		
SNP_50573B_192272	scaffold545	NW_004515985.1	192272	AA	GG	GG	INTERGENIC		
SNP_50575B_197496	scaffold545	NW_004515985.1	197496	AA	TT	TT	INTERGENIC		
SNP_50576B_256956	scaffold545	NW_004515985.1	256956	AA	CC	CC	SYNONYMOUS_CODING	101495529	alpha-amylase/subtilisin inhibitor-like
SNP_50577B_279505	scaffold545	NW_004515985.1	279505	AA	GG	GG	INTERGENIC		
SNP_50578B_279530	scaffold545	NW_004515985.1	279530	GG	AA	AA	INTERGENIC		
SNP_50579B_279532	scaffold545	NW_004515985.1	279532	GG	AA	AA	INTERGENIC		
SNP_50580B_279687	scaffold545	NW_004515985.1	279687	TT	CC	CC	INTERGENIC		
SNP_50581B_279700	scaffold545	NW_004515985.1	279700	AA	CC	CC	INTERGENIC		
SNP_50582B_279706	scaffold545	NW_004515985.1	279706	AA	GG	GG	INTERGENIC		
SNP_50583B_279739	scaffold545	NW_004515985.1	279739	TT	CC	CC	INTERGENIC		
SNP_50584B_279759	scaffold545	NW_004515985.1	279759	TT	CC	CC	INTERGENIC		
SNP_50585B_279775	scaffold545	NW_004515985.1	279775	AA	GG	GG	INTERGENIC		
SNP_50586B_281268	scaffold545	NW_004515985.1	281268	TT	CC	CC	INTERGENIC		
SNP_50587B_4557	scaffold546	NW_004515986.1	4557	GG	CC	CC	INTERGENIC		
SNP_50588B_40614	scaffold546	NW_004515986.1	40614	AA	TT	TT	INTERGENIC		
SNP_50589B_40623	scaffold546	NW_004515986.1	40623	TT	AA	AA	INTERGENIC		
SNP_50590B_55185	scaffold546	NW_004515986.1	55185	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50591B_55190	scaffold546	NW_004515986.1	55190	GG	TT	TT	INTERGENIC		
SNP_50592B_55229	scaffold546	NW_004515986.1	55229	TT	GG	GG	INTERGENIC		
SNP_50593B_55273	scaffold546	NW_004515986.1	55273	CC	GG	GG	INTERGENIC		
SNP_50594B_55274	scaffold546	NW_004515986.1	55274	CC	TT	TT	INTERGENIC		
SNP_50595B_55337	scaffold546	NW_004515986.1	55337	CC	GG	GG	INTERGENIC		
SNP_50596B_55413	scaffold546	NW_004515986.1	55413	GG	AA	AA	INTERGENIC		
SNP_50597B_55421	scaffold546	NW_004515986.1	55421	CC	TT	TT	INTERGENIC		
SNP_50598B_55465	scaffold546	NW_004515986.1	55465	CC	AA	AA	INTERGENIC		
SNP_50599B_55469	scaffold546	NW_004515986.1	55469	TT	GG	GG	INTERGENIC		
SNP_50600B_55475	scaffold546	NW_004515986.1	55475	TT	CC	CC	INTERGENIC		
SNP_50601B_55490	scaffold546	NW_004515986.1	55490	CC	AA	AA	INTERGENIC		
SNP_50602B_55511	scaffold546	NW_004515986.1	55511	CC	GG	GG	INTERGENIC		
SNP_50603B_55548	scaffold546	NW_004515986.1	55548	AA	TT	TT	INTERGENIC		
SNP_50604B_55561	scaffold546	NW_004515986.1	55561	CC	AA	AA	INTERGENIC		
SNP_50605B_55625	scaffold546	NW_004515986.1	55625	AA	CC	CC	INTERGENIC		
SNP_50606B_55632	scaffold546	NW_004515986.1	55632	GG	CC	CC	INTERGENIC		
SNP_50607B_55633	scaffold546	NW_004515986.1	55633	TT	AA	AA	INTERGENIC		
SNP_50608B_55708	scaffold546	NW_004515986.1	55708	AA	TT	TT	INTERGENIC		
SNP_50609B_55709	scaffold546	NW_004515986.1	55709	AA	CC	CC	INTERGENIC		
SNP_50610B_55713	scaffold546	NW_004515986.1	55713	GG	CC	CC	INTERGENIC		
SNP_50611B_55777	scaffold546	NW_004515986.1	55777	CC	AA	AA	INTERGENIC		
SNP_50612B_55805	scaffold546	NW_004515986.1	55805	AA	CC	CC	INTERGENIC		
SNP_50613B_55811	scaffold546	NW_004515986.1	55811	GG	AA	AA	INTERGENIC		
SNP_50614B_67864	scaffold546	NW_004515986.1	67864	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50615B_67865	scaffold546	NW_004515986.1	67865	AA	TT	TT	INTERGENIC		
SNP_50616B_67893	scaffold546	NW_004515986.1	67893	GG	TT	TT	INTERGENIC		
SNP_50617B_72777	scaffold546	NW_004515986.1	72777	CC	TT	TT	INTERGENIC		
SNP_50618B_72851	scaffold546	NW_004515986.1	72851	CC	TT	TT	INTERGENIC		
SNP_50619B_72887	scaffold546	NW_004515986.1	72887	GG	CC	CC	INTERGENIC		
SNP_50620B_73043	scaffold546	NW_004515986.1	73043	GG	AA	AA	INTERGENIC		
SNP_50621B_73066	scaffold546	NW_004515986.1	73066	GG	TT	TT	INTERGENIC		
SNP_50622B_73067	scaffold546	NW_004515986.1	73067	GG	AA	AA	INTERGENIC		
SNP_50623B_73117	scaffold546	NW_004515986.1	73117	TT	GG	GG	INTERGENIC		
SNP_50624B_74767	scaffold546	NW_004515986.1	74767	GG	AA	AA	INTERGENIC		
SNP_50625B_84535	scaffold546	NW_004515986.1	84535	TT	GG	GG	INTERGENIC		
SNP_50626B_86210	scaffold546	NW_004515986.1	86210	TT	GG	GG	INTERGENIC		
SNP_50627B_86491	scaffold546	NW_004515986.1	86491	TT	CC	CC	INTERGENIC		
SNP_50628B_86789	scaffold546	NW_004515986.1	86789	CC	TT	TT	INTERGENIC		
SNP_50629B_86869	scaffold546	NW_004515986.1	86869	TT	CC	CC	INTERGENIC		
SNP_50630B_86999	scaffold546	NW_004515986.1	86999	AA	CC	CC	INTERGENIC		
SNP_50631B_87121	scaffold546	NW_004515986.1	87121	AA	GG	GG	INTERGENIC		
SNP_50632B_87161	scaffold546	NW_004515986.1	87161	TT	CC	CC	INTERGENIC		
SNP_50633B_87184	scaffold546	NW_004515986.1	87184	AA	GG	GG	INTERGENIC		
SNP_50634B_87186	scaffold546	NW_004515986.1	87186	TT	GG	GG	INTERGENIC		
SNP_50635B_1870	scaffold547	NW_004515987.1	1870	TT	CC	CC	INTERGENIC		
SNP_50636B_1924	scaffold547	NW_004515987.1	1924	TT	CC	CC	INTERGENIC		
SNP_50637B_1946	scaffold547	NW_004515987.1	1946	CC	TT	TT	INTERGENIC		
SNP_50638B_2013	scaffold547	NW_004515987.1	2013	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50639B_2045	scaffold547	NW_004515987.1	2045	GG	AA	AA	INTERGENIC		
SNP_50640B_2061	scaffold547	NW_004515987.1	2061	TT	CC	CC	INTERGENIC		
SNP_50641B_2382	scaffold547	NW_004515987.1	2382	AA	TT	TT	INTERGENIC		
SNP_50642B_6830	scaffold547	NW_004515987.1	6830	AA	TT	TT	INTERGENIC		
SNP_50643B_6831	scaffold547	NW_004515987.1	6831	GG	AA	AA	INTERGENIC		
SNP_50644B_12442	scaffold547	NW_004515987.1	12442	GG	CC	CC	INTERGENIC		
SNP_50646B_12477	scaffold547	NW_004515987.1	12477	AA	CC	CC	INTERGENIC		
SNP_50647B_12505	scaffold547	NW_004515987.1	12505	CC	TT	TT	INTERGENIC		
SNP_50648B_12534	scaffold547	NW_004515987.1	12534	AA	TT	TT	INTERGENIC		
SNP_50649B_13615	scaffold547	NW_004515987.1	13615	AA	CC	CC	INTERGENIC		
SNP_50650B_13659	scaffold547	NW_004515987.1	13659	TT	CC	CC	INTERGENIC		
SNP_50651B_13690	scaffold547	NW_004515987.1	13690	TT	GG	GG	INTERGENIC		
SNP_50652B_14138	scaffold547	NW_004515987.1	14138	GG	TT	TT	INTERGENIC		
SNP_50653B_14163	scaffold547	NW_004515987.1	14163	AA	GG	GG	INTERGENIC		
SNP_50654B_20970	scaffold547	NW_004515987.1	20970	AA	CC	CC	INTERGENIC		
SNP_50655B_21037	scaffold547	NW_004515987.1	21037	TT	CC	CC	INTERGENIC		
SNP_50656B_21094	scaffold547	NW_004515987.1	21094	AA	TT	TT	INTERGENIC		
SNP_50657B_27448	scaffold547	NW_004515987.1	27448	TT	CC	CC	INTERGENIC		
SNP_50658B_27460	scaffold547	NW_004515987.1	27460	TT	GG	GG	INTERGENIC		
SNP_50659B_27465	scaffold547	NW_004515987.1	27465	GG	AA	AA	INTERGENIC		
SNP_50660B_27488	scaffold547	NW_004515987.1	27488	CC	TT	TT	INTERGENIC		
SNP_50661B_74383	scaffold547	NW_004515987.1	74383	TT	CC	CC	INTERGENIC		
SNP_50662B_74791	scaffold547	NW_004515987.1	74791	CC	TT	TT	INTERGENIC		
SNP_50663B_74799	scaffold547	NW_004515987.1	74799	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50664B_82183	scaffold547	NW_004515987.1	82183	CC	TT	TT	INTERGENIC		
SNP_50665B_82187	scaffold547	NW_004515987.1	82187	CC	TT	TT	INTERGENIC		
SNP_50666B_82237	scaffold547	NW_004515987.1	82237	AA	TT	TT	INTERGENIC		
SNP_50667B_83150	scaffold547	NW_004515987.1	83150	GG	TT	TT	INTERGENIC		
SNP_50668B_84317	scaffold547	NW_004515987.1	84317	AA	GG	GG	INTERGENIC		
SNP_50669B_95927	scaffold547	NW_004515987.1	95927	AA	GG	GG	INTERGENIC		
SNP_50670B_96375	scaffold547	NW_004515987.1	96375	GG	TT	TT	INTERGENIC		
SNP_50671B_96532	scaffold547	NW_004515987.1	96532	CC	GG	GG	INTERGENIC		
SNP_50672B_96537	scaffold547	NW_004515987.1	96537	TT	CC	CC	INTERGENIC		
SNP_50673B_96766	scaffold547	NW_004515987.1	96766	TT	CC	CC	INTERGENIC		
SNP_50674B_96918	scaffold547	NW_004515987.1	96918	TT	AA	AA	INTERGENIC		
SNP_50675B_96930	scaffold547	NW_004515987.1	96930	TT	AA	AA	INTERGENIC		
SNP_50676B_96972	scaffold547	NW_004515987.1	96972	CC	TT	TT	INTERGENIC		
SNP_50678B_97047	scaffold547	NW_004515987.1	97047	AA	GG	GG	INTERGENIC		
SNP_50679B_97058	scaffold547	NW_004515987.1	97058	AA	CC	CC	INTERGENIC		
SNP_50680B_97082	scaffold547	NW_004515987.1	97082	GG	AA	AA	INTERGENIC		
SNP_50681B_97162	scaffold547	NW_004515987.1	97162	AA	TT	TT	INTERGENIC		
SNP_50682B_97306	scaffold547	NW_004515987.1	97306	GG	AA	AA	INTERGENIC		
SNP_50683B_97688	scaffold547	NW_004515987.1	97688	AA	TT	TT	INTERGENIC		
SNP_50684B_110651	scaffold547	NW_004515987.1	110651	GG	AA	AA	INTERGENIC		
SNP_50685B_113667	scaffold547	NW_004515987.1	113667	AA	GG	GG	INTERGENIC		
SNP_50686B_114788	scaffold547	NW_004515987.1	114788	TT	AA	AA	INTERGENIC		
SNP_50687B_115111	scaffold547	NW_004515987.1	115111	GG	AA	AA	INTERGENIC		
SNP_50688B_115129	scaffold547	NW_004515987.1	115129	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50689B_117202	scaffold547	NW_004515987.1	117202	AA	TT	TT	INTERGENIC		
SNP_50690B_124382	scaffold547	NW_004515987.1	124382	TT	GG	GG	INTERGENIC		
SNP_50691B_147817	scaffold547	NW_004515987.1	147817	GG	TT	TT	INTERGENIC		
SNP_50692B_155882	scaffold547	NW_004515987.1	155882	TT	GG	GG	INTERGENIC		
SNP_50694B_155947	scaffold547	NW_004515987.1	155947	AA	TT	TT	INTERGENIC		
SNP_50696B_163125	scaffold547	NW_004515987.1	163125	AA	GG	GG	INTERGENIC		
SNP_50697B_163144	scaffold547	NW_004515987.1	163144	AA	CC	CC	INTERGENIC		
SNP_50698B_163199	scaffold547	NW_004515987.1	163199	TT	CC	CC	INTERGENIC		
SNP_50699B_163208	scaffold547	NW_004515987.1	163208	TT	GG	GG	INTERGENIC		
SNP_50700B_165032	scaffold547	NW_004515987.1	165032	TT	AA	AA	INTERGENIC		
SNP_50701B_165329	scaffold547	NW_004515987.1	165329	CC	TT	TT	INTERGENIC		
SNP_50702B_168254	scaffold547	NW_004515987.1	168254	TT	CC	CC	INTERGENIC		
SNP_50703B_185129	scaffold547	NW_004515987.1	185129	TT	CC	CC	INTERGENIC		
SNP_50704B_169878	scaffold548	NW_004515988.1	169878	AA	CC	CC	INTERGENIC		
SNP_50705B_169945	scaffold548	NW_004515988.1	169945	TT	AA	AA	INTERGENIC		
SNP_50706B_169953	scaffold548	NW_004515988.1	169953	TT	CC	CC	INTERGENIC		
SNP_50707B_169986	scaffold548	NW_004515988.1	169986	TT	CC	CC	INTERGENIC		
SNP_50708B_211870	scaffold548	NW_004515988.1	211870	GG	AA	AA	INTERGENIC		
SNP_50710B_213237	scaffold548	NW_004515988.1	213237	GG	TT	TT	INTERGENIC		
SNP_50711B_213318	scaffold548	NW_004515988.1	213318	TT	CC	CC	INTERGENIC		
SNP_50712B_213364	scaffold548	NW_004515988.1	213364	GG	TT	TT	INTERGENIC		
SNP_50713B_233092	scaffold548	NW_004515988.1	233092	GG	AA	AA	INTERGENIC		
SNP_50714B_240914	scaffold548	NW_004515988.1	240914	CC	TT	TT	INTERGENIC		
SNP_50715B_245406	scaffold548	NW_004515988.1	245406	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50716B_245425	scaffold548	NW_004515988.1	245425	GG	AA	AA	INTERGENIC		
SNP_50717B_245543	scaffold548	NW_004515988.1	245543	AA	GG	GG	INTERGENIC		
SNP_50718B_245566	scaffold548	NW_004515988.1	245566	CC	TT	TT	INTERGENIC		
SNP_50719B_245588	scaffold548	NW_004515988.1	245588	AA	GG	GG	INTERGENIC		
SNP_50720B_329814	scaffold548	NW_004515988.1	329814	AA	GG	GG	INTERGENIC		
SNP_50721B_384072	scaffold548	NW_004515988.1	384072	TT	CC	CC	INTERGENIC		
SNP_50722B_480512	scaffold548	NW_004515988.1	480512	TT	GG	GG	INTERGENIC		
SNP_50723B_480522	scaffold548	NW_004515988.1	480522	TT	CC	CC	INTERGENIC		
SNP_50724B_480808	scaffold548	NW_004515988.1	480808	CC	GG	GG	INTERGENIC		
SNP_50725B_480817	scaffold548	NW_004515988.1	480817	TT	GG	GG	INTERGENIC		
SNP_50726B_480880	scaffold548	NW_004515988.1	480880	TT	CC	CC	INTERGENIC		
SNP_50727B_480890	scaffold548	NW_004515988.1	480890	AA	GG	GG	INTERGENIC		
SNP_50728B_480937	scaffold548	NW_004515988.1	480937	CC	TT	TT	INTERGENIC		
SNP_50729B_480967	scaffold548	NW_004515988.1	480967	TT	GG	GG	INTERGENIC		
SNP_50730B_481366	scaffold548	NW_004515988.1	481366	TT	CC	CC	INTERGENIC		
SNP_50731B_481428	scaffold548	NW_004515988.1	481428	CC	TT	TT	INTERGENIC		
SNP_50732B_489172	scaffold548	NW_004515988.1	489172	CC	AA	AA	INTERGENIC		
SNP_50733B_490604	scaffold548	NW_004515988.1	490604	CC	TT	TT	INTERGENIC		
SNP_50734B_490610	scaffold548	NW_004515988.1	490610	AA	GG	GG	INTERGENIC		
SNP_50735B_490615	scaffold548	NW_004515988.1	490615	AA	TT	TT	INTERGENIC		
SNP_50736B_491177	scaffold548	NW_004515988.1	491177	CC	TT	TT	INTERGENIC		
SNP_50737B_491250	scaffold548	NW_004515988.1	491250	TT	CC	CC	INTERGENIC		
SNP_50738B_491515	scaffold548	NW_004515988.1	491515	CC	TT	TT	INTERGENIC		
SNP_50739B_491540	scaffold548	NW_004515988.1	491540	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50740B_491576	scaffold548	NW_004515988.1	491576	TT	CC	CC	INTERGENIC		
SNP_50741B_593474	scaffold548	NW_004515988.1	593474	CC	TT	TT	INTERGENIC		
SNP_50742B_593489	scaffold548	NW_004515988.1	593489	TT	AA	AA	INTERGENIC		
SNP_50743B_593514	scaffold548	NW_004515988.1	593514	AA	GG	GG	INTERGENIC		
SNP_50744B_593519	scaffold548	NW_004515988.1	593519	TT	CC	CC	INTERGENIC		
SNP_50745B_593542	scaffold548	NW_004515988.1	593542	TT	CC	CC	INTERGENIC		
SNP_50746B_610061	scaffold548	NW_004515988.1	610061	CC	GG	GG	INTERGENIC		
SNP_50747B_612464	scaffold548	NW_004515988.1	612464	CC	TT	TT	INTERGENIC		
SNP_50748B_612469	scaffold548	NW_004515988.1	612469	AA	TT	TT	INTERGENIC		
SNP_50749B_612477	scaffold548	NW_004515988.1	612477	GG	TT	TT	INTERGENIC		
SNP_50750B_612858	scaffold548	NW_004515988.1	612858	AA	TT	TT	INTERGENIC		
SNP_50751B_612896	scaffold548	NW_004515988.1	612896	TT	CC	CC	INTERGENIC		
SNP_50752B_616410	scaffold548	NW_004515988.1	616410	TT	CC	CC	INTERGENIC		
SNP_50753B_616454	scaffold548	NW_004515988.1	616454	AA	GG	GG	INTERGENIC		
SNP_50754B_616814	scaffold548	NW_004515988.1	616814	AA	GG	GG	INTERGENIC		
SNP_50755B_616848	scaffold548	NW_004515988.1	616848	TT	GG	GG	INTERGENIC		
SNP_50756B_616872	scaffold548	NW_004515988.1	616872	TT	CC	CC	INTERGENIC		
SNP_50757B_616891	scaffold548	NW_004515988.1	616891	AA	GG	GG	INTERGENIC		
SNP_50758B_635410	scaffold548	NW_004515988.1	635410	AA	GG	GG	INTERGENIC		
SNP_50759B_666575	scaffold548	NW_004515988.1	666575	GG	TT	TT	INTERGENIC		
SNP_50760B_683896	scaffold548	NW_004515988.1	683896	TT	GG	GG	INTERGENIC		
SNP_50762B_51655	scaffold549	NW_004515989.1	51655	AA	CC	CC	INTERGENIC		
SNP_50763B_51687	scaffold549	NW_004515989.1	51687	AA	GG	GG	INTERGENIC		
SNP_50764B_60473	scaffold549	NW_004515989.1	60473	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50766B_61028	scaffold549	NW_004515989.1	61028	TT	CC	CC	INTERGENIC		
SNP_50768B_2966	scaffold553	NW_004515991.1	2966	TT	GG	GG	INTERGENIC		
SNP_50769B_3244	scaffold553	NW_004515991.1	3244	AA	CC	CC	INTERGENIC		
SNP_50770B_3408	scaffold553	NW_004515991.1	3408	TT	GG	GG	INTERGENIC		
SNP_50771B_3496	scaffold553	NW_004515991.1	3496	CC	AA	AA	INTERGENIC		
SNP_50772B_5146	scaffold553	NW_004515991.1	5146	TT	CC	CC	INTERGENIC		
SNP_50773B_24221	scaffold553	NW_004515991.1	24221	TT	CC	CC	INTERGENIC		
SNP_50774B_25049	scaffold553	NW_004515991.1	25049	CC	GG	GG	INTERGENIC		
SNP_50775B_33542	scaffold553	NW_004515991.1	33542	TT	CC	CC	INTERGENIC		
SNP_50776B_33566	scaffold553	NW_004515991.1	33566	AA	GG	GG	INTERGENIC		
SNP_50777B_33575	scaffold553	NW_004515991.1	33575	GG	AA	AA	INTERGENIC		
SNP_50778B_33596	scaffold553	NW_004515991.1	33596	CC	TT	TT	INTERGENIC		
SNP_50779B_33617	scaffold553	NW_004515991.1	33617	GG	AA	AA	INTERGENIC		
SNP_50780B_33618	scaffold553	NW_004515991.1	33618	CC	TT	TT	INTERGENIC		
SNP_50781B_33626	scaffold553	NW_004515991.1	33626	TT	CC	CC	INTERGENIC		
SNP_50782B_33629	scaffold553	NW_004515991.1	33629	TT	CC	CC	INTERGENIC		
SNP_50783B_33632	scaffold553	NW_004515991.1	33632	CC	TT	TT	INTERGENIC		
SNP_50784B_33641	scaffold553	NW_004515991.1	33641	GG	TT	TT	INTERGENIC		
SNP_50785B_33644	scaffold553	NW_004515991.1	33644	TT	CC	CC	INTERGENIC		
SNP_50786B_33652	scaffold553	NW_004515991.1	33652	AA	GG	GG	INTERGENIC		
SNP_50787B_39329	scaffold553	NW_004515991.1	39329	TT	CC	CC	INTERGENIC		
SNP_50788B_41896	scaffold553	NW_004515991.1	41896	CC	TT	TT	INTERGENIC		
SNP_50789B_69768	scaffold553	NW_004515991.1	69768	CC	AA	AA	INTERGENIC		
SNP_50790B_73479	scaffold553	NW_004515991.1	73479	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50791B_166233	scaffold553	NW_004515991.1	166233	AA	GG	GG	INTERGENIC		
SNP_50792B_166235	scaffold553	NW_004515991.1	166235	TT	CC	CC	INTERGENIC		
SNP_50793B_276524	scaffold553	NW_004515991.1	276524	AA	GG	GG	INTERGENIC		
SNP_50794B_276531	scaffold553	NW_004515991.1	276531	CC	TT	TT	INTERGENIC		
SNP_50795B_276675	scaffold553	NW_004515991.1	276675	AA	GG	GG	INTERGENIC		
SNP_50796B_276906	scaffold553	NW_004515991.1	276906	AA	CC	CC	INTERGENIC		
SNP_50797B_276989	scaffold553	NW_004515991.1	276989	TT	CC	CC	INTERGENIC		
SNP_50798B_277009	scaffold553	NW_004515991.1	277009	AA	GG	GG	INTERGENIC		
SNP_50799B_277018	scaffold553	NW_004515991.1	277018	TT	CC	CC	INTERGENIC		
SNP_50800B_277051	scaffold553	NW_004515991.1	277051	AA	GG	GG	INTERGENIC		
SNP_50801B_277069	scaffold553	NW_004515991.1	277069	AA	GG	GG	INTERGENIC		
SNP_50802B_277085	scaffold553	NW_004515991.1	277085	TT	CC	CC	INTERGENIC		
SNP_50804B_325577	scaffold553	NW_004515991.1	325577	AA	CC	CC	INTRON	101503376	structural maintenance of chromosomes protein 6A-like
SNP_50805B_325602	scaffold553	NW_004515991.1	325602	CC	GG	GG	INTRON	101503376	structural maintenance of chromosomes protein 6A-like
SNP_50806B_386533	scaffold553	NW_004515991.1	386533	AA	GG	GG	INTRON	101511854	zinc finger protein ZAT4-like
SNP_50807B_386534	scaffold553	NW_004515991.1	386534	TT	CC	CC	INTRON	101511854	zinc finger protein ZAT4-like
SNP_50808B_386535	scaffold553	NW_004515991.1	386535	TT	AA	AA	INTRON	101511854	zinc finger protein ZAT4-like
SNP_50809B_386536	scaffold553	NW_004515991.1	386536	CC	TT	TT	INTRON	101511854	zinc finger protein ZAT4-like
SNP_50810B_386537	scaffold553	NW_004515991.1	386537	TT	CC	CC	INTRON	101511854	zinc finger protein ZAT4-like
SNP_50811B_403346	scaffold553	NW_004515991.1	403346	TT	GG	GG	INTRON	101511854	zinc finger protein ZAT4-like
SNP_50812B_403389	scaffold553	NW_004515991.1	403389	AA	CC	CC	INTRON	101511854	zinc finger protein ZAT4-like
SNP_50813B_403416	scaffold553	NW_004515991.1	403416	GG	AA	AA	INTRON	101511854	zinc finger protein ZAT4-like
SNP_50814B_403627	scaffold553	NW_004515991.1	403627	GG	AA	AA	INTRON	101511854	zinc finger protein ZAT4-like
SNP_50815B_403638	scaffold553	NW_004515991.1	403638	TT	GG	GG	INTRON	101511854	zinc finger protein ZAT4-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50816B_464052	scaffold553	NW_004515991.1	464052	AA	GG	GG	INTERGENIC		
SNP_50817B_464055	scaffold553	NW_004515991.1	464055	TT	GG	GG	INTERGENIC		
SNP_50818B_464362	scaffold553	NW_004515991.1	464362	AA	TT	GG	INTERGENIC		
SNP_50819B_476026	scaffold553	NW_004515991.1	476026	TT	GG	GG	INTERGENIC		
SNP_50820B_476174	scaffold553	NW_004515991.1	476174	AA	GG	GG	INTERGENIC		
SNP_50821B_476193	scaffold553	NW_004515991.1	476193	AA	GG	GG	INTERGENIC		
SNP_50822B_476239	scaffold553	NW_004515991.1	476239	TT	CC	CC	INTERGENIC		
SNP_50823B_476352	scaffold553	NW_004515991.1	476352	AA	CC	CC	INTERGENIC		
SNP_50824B_476385	scaffold553	NW_004515991.1	476385	AA	TT	TT	INTERGENIC		
SNP_50825B_476386	scaffold553	NW_004515991.1	476386	AA	CC	CC	INTERGENIC		
SNP_50826B_476521	scaffold553	NW_004515991.1	476521	TT	GG	GG	INTERGENIC		
SNP_50827B_476553	scaffold553	NW_004515991.1	476553	AA	GG	GG	INTERGENIC		
SNP_50828B_476562	scaffold553	NW_004515991.1	476562	AA	GG	GG	INTERGENIC		
SNP_50829B_480177	scaffold553	NW_004515991.1	480177	GG	AA	AA	INTERGENIC		
SNP_50830B_480236	scaffold553	NW_004515991.1	480236	AA	GG	GG	INTERGENIC		
SNP_50831B_515452	scaffold553	NW_004515991.1	515452	AA	GG	GG	INTERGENIC		
SNP_50832B_522530	scaffold553	NW_004515991.1	522530	CC	TT	TT	INTERGENIC		
SNP_50833B_527036	scaffold553	NW_004515991.1	527036	TT	CC	CC	INTERGENIC		
SNP_50836B_583476	scaffold553	NW_004515991.1	583476	AA	CC	CC	INTERGENIC		
SNP_50837B_680726	scaffold553	NW_004515991.1	680726	TT	CC	CC	DRR	101507685	BAG family molecular chaperone regulator 7
SNP_50838B_692983	scaffold553	NW_004515991.1	692983	AA	TT	TT	INTERGENIC		
SNP_50839B_766770	scaffold553	NW_004515991.1	766770	AA	GG	GG	INTERGENIC		
SNP_50840B_766771	scaffold553	NW_004515991.1	766771	GG	CC	CC	INTERGENIC		
SNP_50841B_766924	scaffold553	NW_004515991.1	766924	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50842B_766946	scaffold553	NW_004515991.1	766946	AA	GG	GG	INTERGENIC		
SNP_50843B_766984	scaffold553	NW_004515991.1	766984	TT	CC	CC	INTERGENIC		
SNP_50844B_766985	scaffold553	NW_004515991.1	766985	CC	TT	TT	INTERGENIC		
SNP_50845B_766986	scaffold553	NW_004515991.1	766986	CC	TT	TT	INTERGENIC		
SNP_50846B_790908	scaffold553	NW_004515991.1	790908	GG	AA	AA	INTERGENIC		
SNP_50848B_801976	scaffold553	NW_004515991.1	801976	AA	GG	GG	INTERGENIC		
SNP_50849B_818888	scaffold553	NW_004515991.1	818888	GG	AA	AA	INTERGENIC		
SNP_50850B_839443	scaffold553	NW_004515991.1	839443	AA	CC	CC	INTERGENIC		
SNP_50851B_839460	scaffold553	NW_004515991.1	839460	TT	CC	CC	INTERGENIC		
SNP_50852B_839480	scaffold553	NW_004515991.1	839480	TT	CC	CC	INTERGENIC		
SNP_50853B_841264	scaffold553	NW_004515991.1	841264	TT	CC	CC	INTERGENIC		
SNP_50854B_841296	scaffold553	NW_004515991.1	841296	AA	GG	GG	INTERGENIC		
SNP_50855B_841308	scaffold553	NW_004515991.1	841308	AA	GG	GG	INTERGENIC		
SNP_50856B_842152	scaffold553	NW_004515991.1	842152	TT	CC	CC	INTERGENIC		
SNP_50857B_842197	scaffold553	NW_004515991.1	842197	TT	CC	CC	INTERGENIC		
SNP_50858B_923824	scaffold553	NW_004515991.1	923824	TT	AA	AA	INTERGENIC		
SNP_50859B_924171	scaffold553	NW_004515991.1	924171	CC	TT	TT	INTERGENIC		
SNP_50860B_924183	scaffold553	NW_004515991.1	924183	GG	AA	AA	INTERGENIC		
SNP_50862B_824	scaffold556	NW_004515992.1	824	TT	AA	AA	INTERGENIC		
SNP_50863B_863	scaffold556	NW_004515992.1	863	TT	AA	AA	INTERGENIC		
SNP_50864B_885	scaffold556	NW_004515992.1	885	TT	CC	CC	INTERGENIC		
SNP_50865B_906	scaffold556	NW_004515992.1	906	AA	CC	CC	INTERGENIC		
SNP_50866B_948	scaffold556	NW_004515992.1	948	AA	TT	TT	INTERGENIC		
SNP_50867B_960	scaffold556	NW_004515992.1	960	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50868B_1059	scaffold556	NW_004515992.1	1059	TT	AA	AA	INTERGENIC		
SNP_50869B_1105	scaffold556	NW_004515992.1	1105	CC	GG	GG	INTERGENIC		
SNP_50870B_1109	scaffold556	NW_004515992.1	1109	GG	TT	TT	INTERGENIC		
SNP_50871B_1120	scaffold556	NW_004515992.1	1120	TT	GG	GG	INTERGENIC		
SNP_50872B_1123	scaffold556	NW_004515992.1	1123	AA	GG	GG	INTERGENIC		
SNP_50873B_1129	scaffold556	NW_004515992.1	1129	TT	GG	GG	INTERGENIC		
SNP_50874B_1182	scaffold556	NW_004515992.1	1182	AA	TT	TT	INTERGENIC		
SNP_50875B_1199	scaffold556	NW_004515992.1	1199	GG	AA	AA	INTERGENIC		
SNP_50876B_1290	scaffold556	NW_004515992.1	1290	AA	GG	GG	INTERGENIC		
SNP_50877B_1666	scaffold556	NW_004515992.1	1666	GG	TT	TT	INTERGENIC		
SNP_50878B_1810	scaffold556	NW_004515992.1	1810	TT	CC	CC	INTERGENIC		
SNP_50879B_1821	scaffold556	NW_004515992.1	1821	CC	GG	GG	INTERGENIC		
SNP_50880B_2614	scaffold556	NW_004515992.1	2614	GG	CC	CC	INTERGENIC		
SNP_50881B_2901	scaffold556	NW_004515992.1	2901	AA	TT	TT	INTERGENIC		
SNP_50882B_2931	scaffold556	NW_004515992.1	2931	AA	TT	TT	INTERGENIC		
SNP_50883B_2934	scaffold556	NW_004515992.1	2934	TT	GG	GG	INTERGENIC		
SNP_50884B_2946	scaffold556	NW_004515992.1	2946	TT	AA	AA	INTERGENIC		
SNP_50885B_3010	scaffold556	NW_004515992.1	3010	TT	CC	CC	INTERGENIC		
SNP_50886B_3083	scaffold556	NW_004515992.1	3083	TT	AA	AA	INTERGENIC		
SNP_50887B_3368	scaffold556	NW_004515992.1	3368	AA	TT	TT	INTERGENIC		
SNP_50888B_3369	scaffold556	NW_004515992.1	3369	TT	GG	GG	INTERGENIC		
SNP_50889B_3404	scaffold556	NW_004515992.1	3404	AA	TT	TT	INTERGENIC		
SNP_50890B_3405	scaffold556	NW_004515992.1	3405	TT	CC	CC	INTERGENIC		
SNP_50891B_1496	scaffold557	NW_004515993.1	1496	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50892B_28639	scaffold559	NW_004515995.1	28639	AA	GG	GG	INTERGENIC		
SNP_50893B_35249	scaffold559	NW_004515995.1	35249	CC	TT	TT	INTERGENIC		
SNP_50894B_35294	scaffold559	NW_004515995.1	35294	CC	TT	TT	INTERGENIC		
SNP_50895B_52977	scaffold559	NW_004515995.1	52977	TT	GG	GG	NON_SYNONYMOUS_CODING	101513140	pleiotropic drug resistance protein 1-like
SNP_50896B_61710	scaffold559	NW_004515995.1	61710	GG	AA	AA	INTERGENIC		
SNP_50897B_61714	scaffold559	NW_004515995.1	61714	GG	CC	CC	INTERGENIC		
SNP_50898B_61748	scaffold559	NW_004515995.1	61748	CC	GG	GG	INTERGENIC		
SNP_50899B_61992	scaffold559	NW_004515995.1	61992	AA	TT	TT	INTERGENIC		
SNP_50900B_62011	scaffold559	NW_004515995.1	62011	CC	TT	TT	INTERGENIC		
SNP_50901B_62751	scaffold559	NW_004515995.1	62751	AA	TT	TT	INTERGENIC		
SNP_50902B_62758	scaffold559	NW_004515995.1	62758	GG	TT	TT	INTERGENIC		
SNP_50903B_62794	scaffold559	NW_004515995.1	62794	TT	AA	AA	INTERGENIC		
SNP_50904B_62932	scaffold559	NW_004515995.1	62932	GG	TT	TT	INTERGENIC		
SNP_50905B_74715	scaffold559	NW_004515995.1	74715	AA	CC	CC	INTERGENIC		
SNP_50906B_74716	scaffold559	NW_004515995.1	74716	TT	AA	AA	INTERGENIC		
SNP_50907B_74720	scaffold559	NW_004515995.1	74720	GG	CC	CC	INTERGENIC		
SNP_50908B_77435	scaffold559	NW_004515995.1	77435	AA	GG	GG	INTERGENIC		
SNP_50909B_92943	scaffold559	NW_004515995.1	92943	CC	TT	TT	INTERGENIC		
SNP_50910B_92953	scaffold559	NW_004515995.1	92953	CC	TT	TT	INTERGENIC		
SNP_50912B_93260	scaffold559	NW_004515995.1	93260	AA	GG	GG	INTERGENIC		
SNP_50913B_35835	scaffold560	NW_004515996.1	35835	CC	TT	TT	NON_SYNONYMOUS_CODING	101513467	zinc finger MYM-type protein 1-like
SNP_50914B_97324	scaffold560	NW_004515996.1	97324	GG	AA	AA	INTERGENIC		
SNP_50915B_117523	scaffold560	NW_004515996.1	117523	TT	CC	CC	INTERGENIC		
SNP_50916B_117529	scaffold560	NW_004515996.1	117529	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50917B_117532	scaffold560	NW_004515996.1	117532	CC	TT	TT	INTERGENIC		
SNP_50918B_117535	scaffold560	NW_004515996.1	117535	GG	AA	AA	INTERGENIC		
SNP_50919B_117584	scaffold560	NW_004515996.1	117584	CC	AA	AA	INTERGENIC		
SNP_50920B_117593	scaffold560	NW_004515996.1	117593	TT	CC	CC	INTERGENIC		
SNP_50921B_117595	scaffold560	NW_004515996.1	117595	AA	GG	GG	INTERGENIC		
SNP_50922B_117596	scaffold560	NW_004515996.1	117596	GG	AA	AA	INTERGENIC		
SNP_50923B_117598	scaffold560	NW_004515996.1	117598	GG	TT	TT	INTERGENIC		
SNP_50924B_117601	scaffold560	NW_004515996.1	117601	TT	GG	GG	INTERGENIC		
SNP_50925B_117613	scaffold560	NW_004515996.1	117613	TT	CC	CC	INTERGENIC		
SNP_50926B_117628	scaffold560	NW_004515996.1	117628	AA	GG	GG	INTERGENIC		
SNP_50927B_117650	scaffold560	NW_004515996.1	117650	AA	GG	GG	INTERGENIC		
SNP_50930B_160692	scaffold560	NW_004515996.1	160692	TT	AA	AA	INTERGENIC		
SNP_50931B_25380	scaffold561	NW_004515997.1	25380	AA	CC	CC	INTERGENIC		
SNP_50933B_28620	scaffold561	NW_004515997.1	28620	CC	GG	GG	URR	101514005	uncharacterized LOC101514005
SNP_50934B_28651	scaffold561	NW_004515997.1	28651	CC	TT	TT	URR	101514005	uncharacterized LOC101514005
SNP_50935B_31365	scaffold561	NW_004515997.1	31365	TT	AA	AA	INTERGENIC		
SNP_50936B_39578	scaffold561	NW_004515997.1	39578	TT	CC	CC	DRR	101514552	uncharacterized LOC101514552
SNP_50937B_39759	scaffold561	NW_004515997.1	39759	AA	GG	GG	URR	101489603	Unknown function
SNP_50938B_39764	scaffold561	NW_004515997.1	39764	AA	GG	GG	URR	101489603	Unknown function
SNP_50940B_84129	scaffold561	NW_004515997.1	84129	AA	GG	GG	INTERGENIC		
SNP_50942B_183396	scaffold561	NW_004515997.1	183396	GG	AA	AA	INTERGENIC		
SNP_50943B_32277	scaffold562	NW_004515998.1	32277	TT	AA	AA	INTERGENIC		
SNP_50944B_214404	scaffold562	NW_004515998.1	214404	GG	CC	CC	INTERGENIC		
SNP_50945B_219459	scaffold562	NW_004515998.1	219459	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50946B_219483	scaffold562	NW_004515998.1	219483	TT	CC	CC	INTERGENIC		
SNP_50947B_221395	scaffold562	NW_004515998.1	221395	TT	CC	CC	INTERGENIC		
SNP_50948B_221429	scaffold562	NW_004515998.1	221429	TT	GG	GG	INTERGENIC		
SNP_50949B_221452	scaffold562	NW_004515998.1	221452	TT	CC	CC	INTERGENIC		
SNP_50950B_221475	scaffold562	NW_004515998.1	221475	AA	GG	GG	INTERGENIC		
SNP_50951B_221482	scaffold562	NW_004515998.1	221482	CC	TT	TT	INTERGENIC		
SNP_50952B_221777	scaffold562	NW_004515998.1	221777	AA	GG	GG	INTERGENIC		
SNP_50953B_223120	scaffold562	NW_004515998.1	223120	TT	CC	CC	INTERGENIC		
SNP_50954B_256797	scaffold562	NW_004515998.1	256797	CC	TT	TT	INTERGENIC		
SNP_50955B_256813	scaffold562	NW_004515998.1	256813	TT	CC	CC	INTERGENIC		
SNP_50956B_256878	scaffold562	NW_004515998.1	256878	TT	CC	CC	INTERGENIC		
SNP_50957B_256881	scaffold562	NW_004515998.1	256881	CC	TT	TT	INTERGENIC		
SNP_50958B_256902	scaffold562	NW_004515998.1	256902	TT	AA	AA	INTERGENIC		
SNP_50959B_256912	scaffold562	NW_004515998.1	256912	TT	CC	CC	INTERGENIC		
SNP_50960B_257009	scaffold562	NW_004515998.1	257009	TT	AA	AA	INTERGENIC		
SNP_50961B_257031	scaffold562	NW_004515998.1	257031	GG	TT	TT	INTERGENIC		
SNP_50962B_257105	scaffold562	NW_004515998.1	257105	GG	AA	AA	INTERGENIC		
SNP_50963B_257237	scaffold562	NW_004515998.1	257237	CC	AA	AA	INTERGENIC		
SNP_50964B_257238	scaffold562	NW_004515998.1	257238	AA	CC	CC	INTERGENIC		
SNP_50965B_257244	scaffold562	NW_004515998.1	257244	TT	AA	AA	INTERGENIC		
SNP_50966B_257255	scaffold562	NW_004515998.1	257255	TT	GG	GG	INTERGENIC		
SNP_50967B_257260	scaffold562	NW_004515998.1	257260	TT	CC	CC	INTERGENIC		
SNP_50968B_257288	scaffold562	NW_004515998.1	257288	GG	CC	CC	INTERGENIC		
SNP_50969B_257318	scaffold562	NW_004515998.1	257318	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50971B_257367	scaffold562	NW_004515998.1	257367	CC	AA	AA	INTERGENIC		
SNP_50972B_294940	scaffold562	NW_004515998.1	294940	CC	TT	TT	INTERGENIC		
SNP_50974B_302948	scaffold562	NW_004515998.1	302948	TT	CC	CC	INTERGENIC		
SNP_50975B_303091	scaffold562	NW_004515998.1	303091	CC	TT	TT	INTERGENIC		
SNP_50976B_15838	scaffold563	NW_004515999.1	15838	AA	TT	TT	INTERGENIC		
SNP_50977B_22789	scaffold563	NW_004515999.1	22789	TT	CC	CC	INTERGENIC		
SNP_50978B_23125	scaffold563	NW_004515999.1	23125	AA	GG	GG	INTERGENIC		
SNP_50979B_23150	scaffold563	NW_004515999.1	23150	CC	AA	AA	INTERGENIC		
SNP_50980B_23171	scaffold563	NW_004515999.1	23171	CC	AA	AA	INTERGENIC		
SNP_50981B_2239	scaffold564	NW_004516000.1	2239	TT	CC	CC	INTERGENIC		
SNP_50982B_2620	scaffold564	NW_004516000.1	2620	AA	TT	TT	INTERGENIC		
SNP_50983B_3267	scaffold564	NW_004516000.1	3267	GG	AA	AA	INTERGENIC		
SNP_50984B_3279	scaffold564	NW_004516000.1	3279	TT	CC	CC	INTERGENIC		
SNP_50985B_3332	scaffold564	NW_004516000.1	3332	TT	CC	CC	INTERGENIC		
SNP_50986B_3347	scaffold564	NW_004516000.1	3347	AA	GG	GG	INTERGENIC		
SNP_50987B_3390	scaffold564	NW_004516000.1	3390	AA	GG	GG	INTERGENIC		
SNP_50988B_3440	scaffold564	NW_004516000.1	3440	CC	TT	TT	INTERGENIC		
SNP_50989B_3449	scaffold564	NW_004516000.1	3449	TT	GG	GG	INTERGENIC		
SNP_50990B_3468	scaffold564	NW_004516000.1	3468	TT	CC	CC	INTERGENIC		
SNP_50991B_3469	scaffold564	NW_004516000.1	3469	CC	TT	TT	INTERGENIC		
SNP_50992B_3541	scaffold564	NW_004516000.1	3541	CC	GG	GG	INTERGENIC		
SNP_50993B_3586	scaffold564	NW_004516000.1	3586	GG	AA	AA	INTERGENIC		
SNP_50994B_3722	scaffold564	NW_004516000.1	3722	AA	GG	GG	INTERGENIC		
SNP_50995B_3770	scaffold564	NW_004516000.1	3770	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_50996B_3943	scaffold564	NW_004516000.1	3943	GG	CC	CC	INTERGENIC		
SNP_50997B_3991	scaffold564	NW_004516000.1	3991	AA	CC	CC	INTERGENIC		
SNP_50998B_4137	scaffold564	NW_004516000.1	4137	TT	CC	CC	INTERGENIC		
SNP_50999B_4873	scaffold564	NW_004516000.1	4873	AA	GG	GG	INTERGENIC		
SNP_51000B_5084	scaffold564	NW_004516000.1	5084	CC	TT	TT	INTERGENIC		
SNP_51001B_5104	scaffold564	NW_004516000.1	5104	TT	AA	AA	INTERGENIC		
SNP_51002B_5105	scaffold564	NW_004516000.1	5105	TT	AA	AA	INTERGENIC		
SNP_51003B_5108	scaffold564	NW_004516000.1	5108	TT	CC	CC	INTERGENIC		
SNP_51004B_5127	scaffold564	NW_004516000.1	5127	TT	AA	AA	INTERGENIC		
SNP_51005B_5186	scaffold564	NW_004516000.1	5186	CC	TT	TT	INTERGENIC		
SNP_51007B_5299	scaffold564	NW_004516000.1	5299	AA	TT	TT	INTERGENIC		
SNP_51008B_5314	scaffold564	NW_004516000.1	5314	AA	CC	CC	INTERGENIC		
SNP_51009B_5401	scaffold564	NW_004516000.1	5401	GG	TT	TT	INTERGENIC		
SNP_51010B_5451	scaffold564	NW_004516000.1	5451	TT	CC	CC	INTERGENIC		
SNP_51011B_5539	scaffold564	NW_004516000.1	5539	GG	AA	AA	INTERGENIC		
SNP_51012B_5758	scaffold564	NW_004516000.1	5758	AA	GG	GG	INTERGENIC		
SNP_51013B_5850	scaffold564	NW_004516000.1	5850	TT	CC	CC	INTERGENIC		
SNP_51014B_6190	scaffold564	NW_004516000.1	6190	TT	GG	GG	INTERGENIC		
SNP_51015B_6195	scaffold564	NW_004516000.1	6195	GG	CC	CC	INTERGENIC		
SNP_51016B_7199	scaffold564	NW_004516000.1	7199	AA	TT	TT	INTERGENIC		
SNP_51017B_7237	scaffold564	NW_004516000.1	7237	AA	GG	GG	INTERGENIC		
SNP_51018B_7275	scaffold564	NW_004516000.1	7275	TT	CC	CC	INTERGENIC		
SNP_51019B_7367	scaffold564	NW_004516000.1	7367	GG	AA	AA	INTERGENIC		
SNP_51020B_7384	scaffold564	NW_004516000.1	7384	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51021B_7402	scaffold564	NW_004516000.1	7402	TT	CC	CC	INTERGENIC		
SNP_51022B_7420	scaffold564	NW_004516000.1	7420	CC	GG	GG	INTERGENIC		
SNP_51023B_7447	scaffold564	NW_004516000.1	7447	AA	GG	GG	INTERGENIC		
SNP_51024B_7580	scaffold564	NW_004516000.1	7580	AA	TT	TT	INTERGENIC		
SNP_51026B_8541	scaffold564	NW_004516000.1	8541	AA	TT	TT	INTERGENIC		
SNP_51027B_9386	scaffold564	NW_004516000.1	9386	CC	TT	TT	INTERGENIC		
SNP_51028B_10285	scaffold564	NW_004516000.1	10285	AA	GG	GG	INTERGENIC		
SNP_51029B_10339	scaffold564	NW_004516000.1	10339	TT	CC	CC	INTERGENIC		
SNP_51030B_10341	scaffold564	NW_004516000.1	10341	GG	AA	AA	INTERGENIC		
SNP_51031B_10546	scaffold564	NW_004516000.1	10546	GG	AA	AA	INTERGENIC		
SNP_51032B_10885	scaffold564	NW_004516000.1	10885	CC	TT	TT	INTERGENIC		
SNP_51033B_11067	scaffold564	NW_004516000.1	11067	GG	CC	CC	INTERGENIC		
SNP_51034B_11095	scaffold564	NW_004516000.1	11095	AA	CC	CC	INTERGENIC		
SNP_51035B_11161	scaffold564	NW_004516000.1	11161	CC	TT	TT	INTERGENIC		
SNP_51036B_11342	scaffold564	NW_004516000.1	11342	GG	AA	AA	INTERGENIC		
SNP_51037B_11347	scaffold564	NW_004516000.1	11347	GG	TT	TT	INTERGENIC		
SNP_51038B_11904	scaffold564	NW_004516000.1	11904	TT	CC	CC	INTERGENIC		
SNP_51040B_12317	scaffold564	NW_004516000.1	12317	CC	TT	TT	INTERGENIC		
SNP_51041B_12363	scaffold564	NW_004516000.1	12363	CC	AA	AA	INTERGENIC		
SNP_51042B_12831	scaffold564	NW_004516000.1	12831	AA	CC	CC	INTERGENIC		
SNP_51043B_12928	scaffold564	NW_004516000.1	12928	AA	GG	GG	INTERGENIC		
SNP_51044B_13521	scaffold564	NW_004516000.1	13521	TT	CC	CC	INTERGENIC		
SNP_51045B_13580	scaffold564	NW_004516000.1	13580	AA	GG	GG	INTERGENIC		
SNP_51046B_13934	scaffold564	NW_004516000.1	13934	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51047B_14168	scaffold564	NW_004516000.1	14168	GG	AA	AA	INTERGENIC		
SNP_51048B_14202	scaffold564	NW_004516000.1	14202	GG	AA	AA	INTERGENIC		
SNP_51050B_15264	scaffold564	NW_004516000.1	15264	TT	CC	CC	INTERGENIC		
SNP_51051B_15450	scaffold564	NW_004516000.1	15450	AA	TT	TT	INTERGENIC		
SNP_51052B_23599	scaffold564	NW_004516000.1	23599	AA	GG	GG	INTERGENIC		
SNP_51053B_23617	scaffold564	NW_004516000.1	23617	AA	TT	TT	INTERGENIC		
SNP_51054B_23687	scaffold564	NW_004516000.1	23687	AA	GG	GG	INTERGENIC		
SNP_51055B_25801	scaffold564	NW_004516000.1	25801	GG	CC	CC	INTERGENIC		
SNP_51056B_25890	scaffold564	NW_004516000.1	25890	GG	AA	AA	INTERGENIC		
SNP_51058B_26166	scaffold564	NW_004516000.1	26166	GG	AA	AA	INTERGENIC		
SNP_51059B_26212	scaffold564	NW_004516000.1	26212	GG	AA	AA	INTERGENIC		
SNP_51060B_26247	scaffold564	NW_004516000.1	26247	TT	AA	AA	INTERGENIC		
SNP_51061B_26249	scaffold564	NW_004516000.1	26249	AA	TT	TT	INTERGENIC		
SNP_51062B_26444	scaffold564	NW_004516000.1	26444	AA	TT	TT	INTERGENIC		
SNP_51063B_30151	scaffold564	NW_004516000.1	30151	TT	CC	CC	INTERGENIC		
SNP_51064B_4106	scaffold568	NW_004516002.1	4106	GG	TT	TT	INTERGENIC		
SNP_51065B_4170	scaffold568	NW_004516002.1	4170	TT	CC	CC	INTERGENIC		
SNP_51066B_4588	scaffold568	NW_004516002.1	4588	TT	GG	GG	INTERGENIC		
SNP_51067B_4604	scaffold568	NW_004516002.1	4604	TT	AA	AA	INTERGENIC		
SNP_51068B_4671	scaffold568	NW_004516002.1	4671	CC	GG	GG	INTERGENIC		
SNP_51070B_6573	scaffold568	NW_004516002.1	6573	CC	GG	GG	INTERGENIC		
SNP_51071B_6803	scaffold568	NW_004516002.1	6803	GG	AA	AA	INTERGENIC		
SNP_51072B_6843	scaffold568	NW_004516002.1	6843	AA	GG	GG	INTERGENIC		
SNP_51073B_7136	scaffold568	NW_004516002.1	7136	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51074B_7221	scaffold568	NW_004516002.1	7221	AA	TT	TT	INTERGENIC		
SNP_51075B_7240	scaffold568	NW_004516002.1	7240	TT	CC	CC	INTERGENIC		
SNP_51076B_7253	scaffold568	NW_004516002.1	7253	AA	GG	GG	INTERGENIC		
SNP_51077B_9569	scaffold568	NW_004516002.1	9569	CC	GG	GG	INTERGENIC		
SNP_51078B_12470	scaffold568	NW_004516002.1	12470	CC	TT	TT	INTERGENIC		
SNP_51079B_18620	scaffold568	NW_004516002.1	18620	AA	TT	TT	INTERGENIC		
SNP_51080B_19571	scaffold568	NW_004516002.1	19571	TT	AA	AA	INTERGENIC		
SNP_51081B_28773	scaffold568	NW_004516002.1	28773	AA	GG	GG	INTERGENIC		
SNP_51082B_29503	scaffold568	NW_004516002.1	29503	TT	CC	CC	INTERGENIC		
SNP_51083B_29508	scaffold568	NW_004516002.1	29508	TT	CC	CC	INTERGENIC		
SNP_51084B_32005	scaffold568	NW_004516002.1	32005	AA	TT	TT	INTERGENIC		
SNP_51085B_32216	scaffold568	NW_004516002.1	32216	GG	CC	CC	INTERGENIC		
SNP_51086B_32371	scaffold568	NW_004516002.1	32371	TT	CC	CC	INTERGENIC		
SNP_51087B_32680	scaffold568	NW_004516002.1	32680	TT	CC	CC	INTERGENIC		
SNP_51088B_34465	scaffold568	NW_004516002.1	34465	GG	AA	AA	INTERGENIC		
SNP_51089B_34505	scaffold568	NW_004516002.1	34505	CC	GG	GG	INTERGENIC		
SNP_51090B_34506	scaffold568	NW_004516002.1	34506	AA	GG	GG	INTERGENIC		
SNP_51091B_34730	scaffold568	NW_004516002.1	34730	AA	GG	GG	INTERGENIC		
SNP_51092B_34740	scaffold568	NW_004516002.1	34740	GG	CC	CC	INTERGENIC		
SNP_51093B_34875	scaffold568	NW_004516002.1	34875	AA	GG	GG	INTERGENIC		
SNP_51094B_34881	scaffold568	NW_004516002.1	34881	AA	CC	CC	INTERGENIC		
SNP_51095B_36520	scaffold568	NW_004516002.1	36520	AA	TT	TT	INTERGENIC		
SNP_51096B_36928	scaffold568	NW_004516002.1	36928	AA	TT	TT	INTERGENIC		
SNP_51097B_36997	scaffold568	NW_004516002.1	36997	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51098B_37024	scaffold568	NW_004516002.1	37024	CC	AA	AA	INTERGENIC		
SNP_51099B_37313	scaffold568	NW_004516002.1	37313	AA	TT	TT	INTERGENIC		
SNP_51100B_38028	scaffold568	NW_004516002.1	38028	TT	AA	AA	INTERGENIC		
SNP_51101B_38058	scaffold568	NW_004516002.1	38058	TT	AA	AA	INTERGENIC		
SNP_51102B_11784	scaffold571	NW_004516004.1	11784	AA	CC	CC	INTERGENIC		
SNP_51103B_11794	scaffold571	NW_004516004.1	11794	GG	TT	TT	INTERGENIC		
SNP_51104B_11833	scaffold571	NW_004516004.1	11833	AA	TT	TT	INTERGENIC		
SNP_51105B_11845	scaffold571	NW_004516004.1	11845	AA	CC	CC	INTERGENIC		
SNP_51106B_11851	scaffold571	NW_004516004.1	11851	TT	CC	CC	INTERGENIC		
SNP_51108B_11918	scaffold571	NW_004516004.1	11918	AA	GG	GG	INTERGENIC		
SNP_51109B_11924	scaffold571	NW_004516004.1	11924	GG	AA	AA	INTERGENIC		
SNP_51110B_11988	scaffold571	NW_004516004.1	11988	AA	CC	CC	INTERGENIC		
SNP_51111B_12201	scaffold571	NW_004516004.1	12201	CC	TT	TT	INTERGENIC		
SNP_51112B_12235	scaffold571	NW_004516004.1	12235	CC	AA	AA	INTERGENIC		
SNP_51113B_17812	scaffold571	NW_004516004.1	17812	TT	CC	CC	URR	101496511	probable serine/threonine-protein kinase DDB_G0267514
SNP_51114B_18072	scaffold571	NW_004516004.1	18072	AA	TT	TT	URR	101496511	probable serine/threonine-protein kinase DDB_G0267514
SNP_51115B_18095	scaffold571	NW_004516004.1	18095	GG	TT	TT	URR	101496511	probable serine/threonine-protein kinase DDB_G0267514
SNP_51116B_18118	scaffold571	NW_004516004.1	18118	GG	AA	AA	URR	101496511	probable serine/threonine-protein kinase DDB_G0267514
SNP_51118B_18182	scaffold571	NW_004516004.1	18182	CC	TT	TT	URR	101496511	probable serine/threonine-protein kinase DDB_G0267514
SNP_51119B_18302	scaffold571	NW_004516004.1	18302	CC	TT	TT	URR	101496511	probable serine/threonine-protein kinase DDB_G0267514
SNP_51120B_18371	scaffold571	NW_004516004.1	18371	AA	TT	TT	URR	101496511	probable serine/threonine-protein kinase DDB_G0267514
SNP_51121B_24471	scaffold571	NW_004516004.1	24471	TT	CC	CC	INTERGENIC		
SNP_51122B_26933	scaffold571	NW_004516004.1	26933	AA	GG	GG	INTERGENIC		
SNP_51123B_31157	scaffold571	NW_004516004.1	31157	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51124B_31199	scaffold571	NW_004516004.1	31199	GG	TT	TT	INTERGENIC		
SNP_51125B_31450	scaffold571	NW_004516004.1	31450	GG	CC	CC	INTERGENIC		
SNP_51126B_31457	scaffold571	NW_004516004.1	31457	TT	CC	CC	INTERGENIC		
SNP_51127B_31477	scaffold571	NW_004516004.1	31477	TT	CC	CC	INTERGENIC		
SNP_51128B_31487	scaffold571	NW_004516004.1	31487	TT	AA	AA	INTERGENIC		
SNP_51129B_31500	scaffold571	NW_004516004.1	31500	GG	AA	AA	INTERGENIC		
SNP_51130B_31512	scaffold571	NW_004516004.1	31512	AA	TT	TT	INTERGENIC		
SNP_51131B_37916	scaffold571	NW_004516004.1	37916	CC	TT	TT	INTERGENIC		
SNP_51132B_40583	scaffold571	NW_004516004.1	40583	GG	AA	AA	INTERGENIC		
SNP_51133B_40786	scaffold571	NW_004516004.1	40786	GG	AA	AA	INTERGENIC		
SNP_51134B_40825	scaffold571	NW_004516004.1	40825	GG	TT	TT	INTERGENIC		
SNP_51135B_40857	scaffold571	NW_004516004.1	40857	TT	CC	CC	INTERGENIC		
SNP_51136B_40858	scaffold571	NW_004516004.1	40858	CC	TT	TT	INTERGENIC		
SNP_51137B_40922	scaffold571	NW_004516004.1	40922	AA	GG	GG	INTERGENIC		
SNP_51138B_41171	scaffold571	NW_004516004.1	41171	CC	TT	TT	INTERGENIC		
SNP_51139B_41244	scaffold571	NW_004516004.1	41244	GG	TT	TT	INTERGENIC		
SNP_51140B_53868	scaffold571	NW_004516004.1	53868	AA	GG	GG	INTERGENIC		
SNP_51141B_62585	scaffold571	NW_004516004.1	62585	AA	CC	CC	INTERGENIC		
SNP_51142B_62673	scaffold571	NW_004516004.1	62673	AA	TT	TT	INTERGENIC		
SNP_51143B_62680	scaffold571	NW_004516004.1	62680	AA	CC	CC	INTERGENIC		
SNP_51144B_62711	scaffold571	NW_004516004.1	62711	CC	TT	TT	INTERGENIC		
SNP_51145B_62736	scaffold571	NW_004516004.1	62736	AA	GG	GG	INTERGENIC		
SNP_51146B_62782	scaffold571	NW_004516004.1	62782	CC	TT	TT	INTERGENIC		
SNP_51147B_62950	scaffold571	NW_004516004.1	62950	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51148B_63088	scaffold571	NW_004516004.1	63088	GG	AA	AA	INTERGENIC		
SNP_51150B_293	scaffold573	NW_004516006.1	293	CC	TT	TT	INTERGENIC		
SNP_51151B_79758	scaffold574	NW_004516007.1	79758	CC	TT	TT	INTERGENIC		
SNP_51152B_79824	scaffold574	NW_004516007.1	79824	CC	TT	TT	INTERGENIC		
SNP_51153B_80166	scaffold574	NW_004516007.1	80166	AA	GG	GG	INTERGENIC		
SNP_51154B_93740	scaffold574	NW_004516007.1	93740	GG	TT	TT	INTERGENIC		
SNP_51155B_93823	scaffold574	NW_004516007.1	93823	AA	TT	TT	INTERGENIC		
SNP_51156B_94506	scaffold574	NW_004516007.1	94506	AA	GG	GG	INTERGENIC		
SNP_51157B_94518	scaffold574	NW_004516007.1	94518	AA	GG	GG	INTERGENIC		
SNP_51159B_94530	scaffold574	NW_004516007.1	94530	GG	TT	TT	INTERGENIC		
SNP_51160B_94532	scaffold574	NW_004516007.1	94532	TT	AA	AA	INTERGENIC		
SNP_51161B_47286	scaffold575	NW_004516008.1	47286	TT	CC	CC	INTERGENIC		
SNP_51162B_47707	scaffold575	NW_004516008.1	47707	AA	GG	GG	INTERGENIC		
SNP_51163B_64946	scaffold575	NW_004516008.1	64946	AA	GG	GG	INTERGENIC		
SNP_51164B_65002	scaffold575	NW_004516008.1	65002	GG	AA	AA	INTERGENIC		
SNP_51165B_65101	scaffold575	NW_004516008.1	65101	GG	TT	TT	INTERGENIC		
SNP_51167B_65168	scaffold575	NW_004516008.1	65168	GG	AA	AA	INTERGENIC		
SNP_51168B_65182	scaffold575	NW_004516008.1	65182	TT	GG	GG	INTERGENIC		
SNP_51169B_65237	scaffold575	NW_004516008.1	65237	TT	GG	GG	INTERGENIC		
SNP_51170B_65246	scaffold575	NW_004516008.1	65246	TT	CC	CC	INTERGENIC		
SNP_51171B_65375	scaffold575	NW_004516008.1	65375	AA	GG	GG	INTERGENIC		
SNP_51172B_65442	scaffold575	NW_004516008.1	65442	GG	AA	AA	INTERGENIC		
SNP_51173B_65466	scaffold575	NW_004516008.1	65466	TT	GG	GG	INTERGENIC		
SNP_51174B_65563	scaffold575	NW_004516008.1	65563	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51175B_65696	scaffold575	NW_004516008.1	65696	CC	AA	AA	INTERGENIC		
SNP_51176B_65784	scaffold575	NW_004516008.1	65784	CC	TT	TT	INTERGENIC		
SNP_51177B_65832	scaffold575	NW_004516008.1	65832	GG	AA	AA	INTERGENIC		
SNP_51178B_65842	scaffold575	NW_004516008.1	65842	AA	CC	CC	INTERGENIC		
SNP_51179B_65847	scaffold575	NW_004516008.1	65847	TT	GG	GG	INTERGENIC		
SNP_51180B_65882	scaffold575	NW_004516008.1	65882	TT	CC	CC	INTERGENIC		
SNP_51181B_65973	scaffold575	NW_004516008.1	65973	CC	AA	AA	INTERGENIC		
SNP_51182B_66388	scaffold575	NW_004516008.1	66388	CC	TT	TT	INTERGENIC		
SNP_51183B_66415	scaffold575	NW_004516008.1	66415	AA	CC	CC	INTERGENIC		
SNP_51184B_66450	scaffold575	NW_004516008.1	66450	AA	CC	CC	INTERGENIC		
SNP_51185B_66494	scaffold575	NW_004516008.1	66494	CC	TT	TT	INTERGENIC		
SNP_51186B_66529	scaffold575	NW_004516008.1	66529	TT	GG	GG	INTERGENIC		
SNP_51187B_66624	scaffold575	NW_004516008.1	66624	AA	GG	GG	INTERGENIC		
SNP_51188B_66626	scaffold575	NW_004516008.1	66626	TT	GG	GG	INTERGENIC		
SNP_51189B_66644	scaffold575	NW_004516008.1	66644	CC	TT	TT	INTERGENIC		
SNP_51190B_66685	scaffold575	NW_004516008.1	66685	GG	AA	AA	INTERGENIC		
SNP_51191B_66697	scaffold575	NW_004516008.1	66697	TT	CC	CC	INTERGENIC		
SNP_51192B_66729	scaffold575	NW_004516008.1	66729	AA	GG	GG	INTERGENIC		
SNP_51193B_66764	scaffold575	NW_004516008.1	66764	TT	CC	CC	INTERGENIC		
SNP_51194B_66775	scaffold575	NW_004516008.1	66775	AA	GG	GG	INTERGENIC		
SNP_51196B_66864	scaffold575	NW_004516008.1	66864	GG	AA	AA	INTERGENIC		
SNP_51198B_67047	scaffold575	NW_004516008.1	67047	TT	GG	GG	INTERGENIC		
SNP_51199B_67272	scaffold575	NW_004516008.1	67272	TT	GG	GG	INTERGENIC		
SNP_51200B_67296	scaffold575	NW_004516008.1	67296	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51201B_67327	scaffold575	NW_004516008.1	67327	TT	CC	CC	INTERGENIC		
SNP_51202B_67333	scaffold575	NW_004516008.1	67333	GG	TT	TT	INTERGENIC		
SNP_51203B_67580	scaffold575	NW_004516008.1	67580	GG	TT	TT	INTERGENIC		
SNP_51204B_67611	scaffold575	NW_004516008.1	67611	TT	CC	CC	INTERGENIC		
SNP_51205B_67617	scaffold575	NW_004516008.1	67617	GG	TT	TT	INTERGENIC		
SNP_51206B_67636	scaffold575	NW_004516008.1	67636	TT	GG	GG	INTERGENIC		
SNP_51207B_67637	scaffold575	NW_004516008.1	67637	GG	AA	AA	INTERGENIC		
SNP_51208B_67724	scaffold575	NW_004516008.1	67724	CC	TT	TT	INTERGENIC		
SNP_51209B_67751	scaffold575	NW_004516008.1	67751	TT	AA	AA	INTERGENIC		
SNP_51210B_67766	scaffold575	NW_004516008.1	67766	AA	GG	GG	INTERGENIC		
SNP_51211B_67790	scaffold575	NW_004516008.1	67790	AA	GG	GG	INTERGENIC		
SNP_51213B_67889	scaffold575	NW_004516008.1	67889	TT	GG	GG	INTERGENIC		
SNP_51214B_67932	scaffold575	NW_004516008.1	67932	TT	CC	CC	INTERGENIC		
SNP_51215B_67973	scaffold575	NW_004516008.1	67973	AA	GG	GG	INTERGENIC		
SNP_51216B_68048	scaffold575	NW_004516008.1	68048	CC	AA	AA	INTERGENIC		
SNP_51217B_68062	scaffold575	NW_004516008.1	68062	AA	GG	GG	INTERGENIC		
SNP_51218B_68063	scaffold575	NW_004516008.1	68063	AA	GG	GG	INTERGENIC		
SNP_51219B_68088	scaffold575	NW_004516008.1	68088	TT	AA	AA	INTERGENIC		
SNP_51220B_68105	scaffold575	NW_004516008.1	68105	AA	TT	TT	INTERGENIC		
SNP_51221B_68154	scaffold575	NW_004516008.1	68154	GG	AA	AA	INTERGENIC		
SNP_51222B_68156	scaffold575	NW_004516008.1	68156	CC	AA	AA	INTERGENIC		
SNP_51223B_68160	scaffold575	NW_004516008.1	68160	TT	AA	AA	INTERGENIC		
SNP_51224B_68169	scaffold575	NW_004516008.1	68169	GG	TT	TT	INTERGENIC		
SNP_51225B_69569	scaffold575	NW_004516008.1	69569	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51226B_69584	scaffold575	NW_004516008.1	69584	AA	CC	CC	INTERGENIC		
SNP_51227B_71009	scaffold575	NW_004516008.1	71009	TT	GG	GG	INTERGENIC		
SNP_51228B_71592	scaffold575	NW_004516008.1	71592	CC	TT	TT	INTERGENIC		
SNP_51229B_71665	scaffold575	NW_004516008.1	71665	GG	AA	AA	INTERGENIC		
SNP_51230B_73677	scaffold575	NW_004516008.1	73677	CC	AA	AA	INTERGENIC		
SNP_51231B_80327	scaffold575	NW_004516008.1	80327	TT	CC	CC	INTERGENIC		
SNP_51232B_80763	scaffold575	NW_004516008.1	80763	CC	TT	TT	INTERGENIC		
SNP_51233B_82372	scaffold575	NW_004516008.1	82372	GG	AA	AA	INTERGENIC		
SNP_51234B_82540	scaffold575	NW_004516008.1	82540	GG	AA	AA	INTERGENIC		
SNP_51235B_82643	scaffold575	NW_004516008.1	82643	AA	GG	GG	INTERGENIC		
SNP_51236B_82655	scaffold575	NW_004516008.1	82655	CC	TT	TT	INTERGENIC		
SNP_51237B_82667	scaffold575	NW_004516008.1	82667	AA	GG	GG	INTERGENIC		
SNP_51238B_82772	scaffold575	NW_004516008.1	82772	AA	GG	GG	INTERGENIC		
SNP_51239B_82776	scaffold575	NW_004516008.1	82776	CC	GG	GG	INTERGENIC		
SNP_51240B_82789	scaffold575	NW_004516008.1	82789	AA	GG	GG	INTERGENIC		
SNP_51242B_82973	scaffold575	NW_004516008.1	82973	AA	TT	TT	INTERGENIC		
SNP_51243B_89854	scaffold575	NW_004516008.1	89854	TT	CC	CC	INTERGENIC		
SNP_51244B_89883	scaffold575	NW_004516008.1	89883	TT	GG	GG	INTERGENIC		
SNP_51245B_89903	scaffold575	NW_004516008.1	89903	TT	AA	AA	INTERGENIC		
SNP_51247B_90084	scaffold575	NW_004516008.1	90084	GG	AA	AA	INTERGENIC		
SNP_51248B_90115	scaffold575	NW_004516008.1	90115	TT	GG	GG	INTERGENIC		
SNP_51249B_90151	scaffold575	NW_004516008.1	90151	TT	CC	CC	INTERGENIC		
SNP_51251B_90365	scaffold575	NW_004516008.1	90365	TT	CC	CC	INTERGENIC		
SNP_51252B_90491	scaffold575	NW_004516008.1	90491	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51254B_90926	scaffold575	NW_004516008.1	90926	GG	AA	AA	URR	101498828	ABC transporter B family member 26, chloroplastic-like
SNP_51255B_90959	scaffold575	NW_004516008.1	90959	TT	AA	AA	URR	101498828	ABC transporter B family member 26, chloroplastic-like
SNP_51257B_91159	scaffold575	NW_004516008.1	91159	GG	AA	AA	URR	101498828	ABC transporter B family member 26, chloroplastic-like
SNP_51258B_91197	scaffold575	NW_004516008.1	91197	GG	AA	AA	URR	101498828	ABC transporter B family member 26, chloroplastic-like
SNP_51259B_91247	scaffold575	NW_004516008.1	91247	TT	AA	AA	URR	101498828	ABC transporter B family member 26, chloroplastic-like
SNP_51260B_91253	scaffold575	NW_004516008.1	91253	CC	AA	AA	URR	101498828	ABC transporter B family member 26, chloroplastic-like
SNP_51261B_91326	scaffold575	NW_004516008.1	91326	CC	TT	TT	URR	101498828	ABC transporter B family member 26, chloroplastic-like
SNP_51263B_92155	scaffold575	NW_004516008.1	92155	AA	GG	GG	URR	101498828	ABC transporter B family member 26, chloroplastic-like
SNP_51264B_92157	scaffold575	NW_004516008.1	92157	AA	GG	GG	URR	101498828	ABC transporter B family member 26, chloroplastic-like
SNP_51265B_92163	scaffold575	NW_004516008.1	92163	TT	GG	GG	URR	101498828	ABC transporter B family member 26, chloroplastic-like
SNP_51266B_92184	scaffold575	NW_004516008.1	92184	GG	CC	CC	URR	101498828	ABC transporter B family member 26, chloroplastic-like
SNP_51267B_92202	scaffold575	NW_004516008.1	92202	TT	CC	CC	URR	101498828	ABC transporter B family member 26, chloroplastic-like
SNP_51268B_92211	scaffold575	NW_004516008.1	92211	GG	AA	AA	URR	101498828	ABC transporter B family member 26, chloroplastic-like
SNP_51269B_92748	scaffold575	NW_004516008.1	92748	TT	GG	GG	URR	101498828	ABC transporter B family member 26, chloroplastic-like
SNP_51270B_92798	scaffold575	NW_004516008.1	92798	AA	TT	TT	INTERGENIC		
SNP_51271B_92804	scaffold575	NW_004516008.1	92804	TT	CC	CC	INTERGENIC		
SNP_51272B_92840	scaffold575	NW_004516008.1	92840	TT	CC	CC	INTERGENIC		
SNP_51273B_92864	scaffold575	NW_004516008.1	92864	TT	GG	GG	INTERGENIC		
SNP_51275B_92982	scaffold575	NW_004516008.1	92982	GG	TT	TT	INTERGENIC		
SNP_51276B_92985	scaffold575	NW_004516008.1	92985	TT	CC	CC	INTERGENIC		
SNP_51277B_92998	scaffold575	NW_004516008.1	92998	AA	GG	GG	INTERGENIC		
SNP_51278B_92999	scaffold575	NW_004516008.1	92999	TT	CC	CC	INTERGENIC		
SNP_51279B_93012	scaffold575	NW_004516008.1	93012	TT	CC	CC	INTERGENIC		
SNP_51280B_93030	scaffold575	NW_004516008.1	93030	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51281B_96165	scaffold575	NW_004516008.1	96165	TT	CC	CC	INTERGENIC		
SNP_51282B_96180	scaffold575	NW_004516008.1	96180	CC	TT	TT	INTERGENIC		
SNP_51283B_96353	scaffold575	NW_004516008.1	96353	CC	TT	TT	INTERGENIC		
SNP_51284B_96361	scaffold575	NW_004516008.1	96361	CC	TT	TT	INTERGENIC		
SNP_51285B_96366	scaffold575	NW_004516008.1	96366	GG	AA	AA	INTERGENIC		
SNP_51286B_96561	scaffold575	NW_004516008.1	96561	AA	CC	CC	INTERGENIC		
SNP_51287B_96575	scaffold575	NW_004516008.1	96575	AA	GG	GG	INTERGENIC		
SNP_51288B_98481	scaffold575	NW_004516008.1	98481	AA	GG	GG	INTERGENIC		
SNP_51289B_98491	scaffold575	NW_004516008.1	98491	GG	AA	AA	INTERGENIC		
SNP_51290B_98557	scaffold575	NW_004516008.1	98557	CC	TT	TT	INTERGENIC		
SNP_51291B_98560	scaffold575	NW_004516008.1	98560	GG	TT	TT	INTERGENIC		
SNP_51292B_98598	scaffold575	NW_004516008.1	98598	TT	GG	GG	INTERGENIC		
SNP_51293B_98610	scaffold575	NW_004516008.1	98610	AA	GG	GG	INTERGENIC		
SNP_51294B_98734	scaffold575	NW_004516008.1	98734	GG	AA	AA	INTERGENIC		
SNP_51295B_98754	scaffold575	NW_004516008.1	98754	AA	GG	GG	INTERGENIC		
SNP_51297B_98888	scaffold575	NW_004516008.1	98888	AA	TT	TT	INTERGENIC		
SNP_51298B_98901	scaffold575	NW_004516008.1	98901	AA	GG	GG	INTERGENIC		
SNP_51299B_98910	scaffold575	NW_004516008.1	98910	TT	GG	GG	INTERGENIC		
SNP_51300B_98965	scaffold575	NW_004516008.1	98965	GG	TT	TT	INTERGENIC		
SNP_51301B_99040	scaffold575	NW_004516008.1	99040	AA	GG	GG	INTERGENIC		
SNP_51302B_99119	scaffold575	NW_004516008.1	99119	TT	AA	AA	INTERGENIC		
SNP_51303B_99120	scaffold575	NW_004516008.1	99120	TT	GG	GG	INTERGENIC		
SNP_51304B_99124	scaffold575	NW_004516008.1	99124	AA	CC	CC	INTERGENIC		
SNP_51305B_99129	scaffold575	NW_004516008.1	99129	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51306B_99133	scaffold575	NW_004516008.1	99133	CC	TT	TT	INTERGENIC		
SNP_51307B_99155	scaffold575	NW_004516008.1	99155	TT	CC	CC	INTERGENIC		
SNP_51308B_99173	scaffold575	NW_004516008.1	99173	TT	CC	CC	INTERGENIC		
SNP_51310B_99205	scaffold575	NW_004516008.1	99205	AA	GG	GG	INTERGENIC		
SNP_51311B_99320	scaffold575	NW_004516008.1	99320	AA	GG	GG	INTERGENIC		
SNP_51312B_99375	scaffold575	NW_004516008.1	99375	AA	GG	GG	INTERGENIC		
SNP_51313B_99378	scaffold575	NW_004516008.1	99378	CC	TT	TT	INTERGENIC		
SNP_51314B_99447	scaffold575	NW_004516008.1	99447	CC	AA	AA	INTERGENIC		
SNP_51315B_99449	scaffold575	NW_004516008.1	99449	GG	AA	AA	INTERGENIC		
SNP_51316B_99481	scaffold575	NW_004516008.1	99481	GG	TT	TT	INTERGENIC		
SNP_51318B_99728	scaffold575	NW_004516008.1	99728	AA	GG	GG	INTERGENIC		
SNP_51319B_99762	scaffold575	NW_004516008.1	99762	GG	CC	CC	INTERGENIC		
SNP_51320B_99809	scaffold575	NW_004516008.1	99809	AA	GG	GG	INTERGENIC		
SNP_51321B_99810	scaffold575	NW_004516008.1	99810	AA	GG	GG	INTERGENIC		
SNP_51322B_99825	scaffold575	NW_004516008.1	99825	AA	GG	GG	INTERGENIC		
SNP_51323B_99867	scaffold575	NW_004516008.1	99867	GG	AA	AA	INTERGENIC		
SNP_51324B_99882	scaffold575	NW_004516008.1	99882	AA	CC	CC	INTERGENIC		
SNP_51325B_99924	scaffold575	NW_004516008.1	99924	TT	GG	GG	INTERGENIC		
SNP_51326B_99925	scaffold575	NW_004516008.1	99925	AA	CC	CC	INTERGENIC		
SNP_51327B_99955	scaffold575	NW_004516008.1	99955	CC	TT	TT	INTERGENIC		
SNP_51328B_99959	scaffold575	NW_004516008.1	99959	AA	GG	GG	INTERGENIC		
SNP_51329B_99980	scaffold575	NW_004516008.1	99980	TT	AA	AA	INTERGENIC		
SNP_51330B_100001	scaffold575	NW_004516008.1	100001	AA	CC	CC	INTERGENIC		
SNP_51331B_100023	scaffold575	NW_004516008.1	100023	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51332B_100070	scaffold575	NW_004516008.1	100070	CC	GG	GG	INTERGENIC		
SNP_51333B_100097	scaffold575	NW_004516008.1	100097	TT	CC	CC	INTERGENIC		
SNP_51334B_100175	scaffold575	NW_004516008.1	100175	AA	GG	GG	INTERGENIC		
SNP_51335B_100191	scaffold575	NW_004516008.1	100191	AA	CC	CC	INTERGENIC		
SNP_51336B_100197	scaffold575	NW_004516008.1	100197	TT	CC	CC	INTERGENIC		
SNP_51337B_100200	scaffold575	NW_004516008.1	100200	AA	GG	GG	INTERGENIC		
SNP_51338B_100227	scaffold575	NW_004516008.1	100227	CC	AA	AA	INTERGENIC		
SNP_51339B_100278	scaffold575	NW_004516008.1	100278	AA	CC	CC	INTERGENIC		
SNP_51340B_100297	scaffold575	NW_004516008.1	100297	AA	CC	CC	INTERGENIC		
SNP_51341B_100353	scaffold575	NW_004516008.1	100353	TT	GG	GG	INTERGENIC		
SNP_51342B_100391	scaffold575	NW_004516008.1	100391	AA	CC	CC	INTERGENIC		
SNP_51343B_100481	scaffold575	NW_004516008.1	100481	TT	CC	CC	INTERGENIC		
SNP_51344B_100551	scaffold575	NW_004516008.1	100551	TT	CC	CC	INTERGENIC		
SNP_51345B_100576	scaffold575	NW_004516008.1	100576	GG	AA	AA	INTERGENIC		
SNP_51346B_100603	scaffold575	NW_004516008.1	100603	AA	GG	GG	INTERGENIC		
SNP_51347B_100611	scaffold575	NW_004516008.1	100611	TT	GG	GG	INTERGENIC		
SNP_51348B_100619	scaffold575	NW_004516008.1	100619	TT	GG	GG	INTERGENIC		
SNP_51349B_100632	scaffold575	NW_004516008.1	100632	AA	GG	GG	INTERGENIC		
SNP_51350B_100639	scaffold575	NW_004516008.1	100639	AA	GG	GG	INTERGENIC		
SNP_51351B_100648	scaffold575	NW_004516008.1	100648	AA	GG	GG	INTERGENIC		
SNP_51352B_100709	scaffold575	NW_004516008.1	100709	CC	AA	AA	INTERGENIC		
SNP_51353B_100983	scaffold575	NW_004516008.1	100983	AA	GG	GG	INTERGENIC		
SNP_51354B_101000	scaffold575	NW_004516008.1	101000	AA	CC	CC	INTERGENIC		
SNP_51355B_101011	scaffold575	NW_004516008.1	101011	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51356B_101032	scaffold575	NW_004516008.1	101032	TT	CC	CC	INTERGENIC		
SNP_51357B_101056	scaffold575	NW_004516008.1	101056	TT	AA	AA	INTERGENIC		
SNP_51358B_101129	scaffold575	NW_004516008.1	101129	AA	CC	CC	INTERGENIC		
SNP_51359B_101132	scaffold575	NW_004516008.1	101132	GG	CC	CC	INTERGENIC		
SNP_51360B_101175	scaffold575	NW_004516008.1	101175	AA	GG	GG	INTERGENIC		
SNP_51361B_101180	scaffold575	NW_004516008.1	101180	AA	CC	CC	INTERGENIC		
SNP_51362B_101188	scaffold575	NW_004516008.1	101188	AA	GG	GG	INTERGENIC		
SNP_51363B_101340	scaffold575	NW_004516008.1	101340	TT	CC	CC	INTERGENIC		
SNP_51364B_101439	scaffold575	NW_004516008.1	101439	AA	GG	GG	INTERGENIC		
SNP_51365B_101443	scaffold575	NW_004516008.1	101443	CC	TT	TT	INTERGENIC		
SNP_51366B_101492	scaffold575	NW_004516008.1	101492	AA	CC	CC	INTERGENIC		
SNP_51367B_101530	scaffold575	NW_004516008.1	101530	AA	CC	CC	INTERGENIC		
SNP_51368B_101539	scaffold575	NW_004516008.1	101539	TT	CC	CC	INTERGENIC		
SNP_51369B_101540	scaffold575	NW_004516008.1	101540	TT	GG	GG	INTERGENIC		
SNP_51370B_101544	scaffold575	NW_004516008.1	101544	AA	GG	GG	INTERGENIC		
SNP_51371B_101546	scaffold575	NW_004516008.1	101546	AA	GG	GG	INTERGENIC		
SNP_51372B_101565	scaffold575	NW_004516008.1	101565	TT	AA	AA	INTERGENIC		
SNP_51373B_101586	scaffold575	NW_004516008.1	101586	AA	GG	GG	INTERGENIC		
SNP_51374B_101595	scaffold575	NW_004516008.1	101595	GG	CC	CC	INTERGENIC		
SNP_51375B_101598	scaffold575	NW_004516008.1	101598	TT	CC	CC	INTERGENIC		
SNP_51376B_101640	scaffold575	NW_004516008.1	101640	AA	GG	GG	INTERGENIC		
SNP_51377B_101643	scaffold575	NW_004516008.1	101643	TT	GG	GG	INTERGENIC		
SNP_51378B_101654	scaffold575	NW_004516008.1	101654	AA	GG	GG	INTERGENIC		
SNP_51379B_101711	scaffold575	NW_004516008.1	101711	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51380B_101718	scaffold575	NW_004516008.1	101718	TT	CC	CC	INTERGENIC		
SNP_51381B_101737	scaffold575	NW_004516008.1	101737	TT	GG	GG	INTERGENIC		
SNP_51382B_101744	scaffold575	NW_004516008.1	101744	AA	GG	GG	INTERGENIC		
SNP_51383B_101755	scaffold575	NW_004516008.1	101755	TT	CC	CC	INTERGENIC		
SNP_51384B_101760	scaffold575	NW_004516008.1	101760	TT	CC	CC	INTERGENIC		
SNP_51385B_101836	scaffold575	NW_004516008.1	101836	TT	CC	CC	INTERGENIC		
SNP_51386B_101851	scaffold575	NW_004516008.1	101851	AA	GG	GG	INTERGENIC		
SNP_51387B_101899	scaffold575	NW_004516008.1	101899	AA	GG	GG	INTERGENIC		
SNP_51388B_102097	scaffold575	NW_004516008.1	102097	TT	CC	CC	INTERGENIC		
SNP_51389B_102108	scaffold575	NW_004516008.1	102108	TT	GG	GG	INTERGENIC		
SNP_51390B_102122	scaffold575	NW_004516008.1	102122	GG	AA	AA	INTERGENIC		
SNP_51391B_102155	scaffold575	NW_004516008.1	102155	GG	CC	CC	INTERGENIC		
SNP_51392B_102204	scaffold575	NW_004516008.1	102204	TT	GG	GG	INTERGENIC		
SNP_51393B_102213	scaffold575	NW_004516008.1	102213	AA	GG	GG	INTERGENIC		
SNP_51394B_102725	scaffold575	NW_004516008.1	102725	TT	CC	CC	INTERGENIC		
SNP_51395B_102880	scaffold575	NW_004516008.1	102880	AA	GG	GG	INTERGENIC		
SNP_51396B_102904	scaffold575	NW_004516008.1	102904	AA	GG	GG	INTERGENIC		
SNP_51397B_102908	scaffold575	NW_004516008.1	102908	TT	CC	CC	INTERGENIC		
SNP_51398B_102922	scaffold575	NW_004516008.1	102922	AA	GG	GG	INTERGENIC		
SNP_51399B_103125	scaffold575	NW_004516008.1	103125	CC	TT	TT	INTERGENIC		
SNP_51400B_103144	scaffold575	NW_004516008.1	103144	AA	TT	TT	INTERGENIC		
SNP_51401B_103153	scaffold575	NW_004516008.1	103153	AA	GG	GG	INTERGENIC		
SNP_51402B_103227	scaffold575	NW_004516008.1	103227	AA	GG	GG	INTERGENIC		
SNP_51404B_103301	scaffold575	NW_004516008.1	103301	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51405B_103318	scaffold575	NW_004516008.1	103318	AA	GG	GG	INTERGENIC		
SNP_51406B_103428	scaffold575	NW_004516008.1	103428	AA	CC	CC	INTERGENIC		
SNP_51407B_103456	scaffold575	NW_004516008.1	103456	TT	CC	CC	INTERGENIC		
SNP_51408B_103457	scaffold575	NW_004516008.1	103457	AA	GG	GG	INTERGENIC		
SNP_51409B_103565	scaffold575	NW_004516008.1	103565	AA	GG	GG	INTERGENIC		
SNP_51410B_103567	scaffold575	NW_004516008.1	103567	CC	TT	TT	INTERGENIC		
SNP_51411B_103629	scaffold575	NW_004516008.1	103629	TT	CC	CC	INTERGENIC		
SNP_51413B_103696	scaffold575	NW_004516008.1	103696	TT	CC	CC	INTERGENIC		
SNP_51414B_103706	scaffold575	NW_004516008.1	103706	GG	TT	TT	INTERGENIC		
SNP_51416B_103711	scaffold575	NW_004516008.1	103711	TT	CC	CC	INTERGENIC		
SNP_51417B_103750	scaffold575	NW_004516008.1	103750	AA	GG	GG	INTERGENIC		
SNP_51418B_103799	scaffold575	NW_004516008.1	103799	TT	GG	GG	INTERGENIC		
SNP_51420B_103825	scaffold575	NW_004516008.1	103825	TT	GG	GG	INTERGENIC		
SNP_51421B_103834	scaffold575	NW_004516008.1	103834	AA	GG	GG	INTERGENIC		
SNP_51422B_104015	scaffold575	NW_004516008.1	104015	AA	GG	GG	INTERGENIC		
SNP_51423B_104035	scaffold575	NW_004516008.1	104035	TT	CC	CC	INTERGENIC		
SNP_51424B_104076	scaffold575	NW_004516008.1	104076	TT	CC	CC	INTERGENIC		
SNP_51425B_104125	scaffold575	NW_004516008.1	104125	TT	CC	CC	INTERGENIC		
SNP_51426B_104131	scaffold575	NW_004516008.1	104131	AA	CC	CC	INTERGENIC		
SNP_51427B_104161	scaffold575	NW_004516008.1	104161	AA	CC	CC	INTERGENIC		
SNP_51428B_104170	scaffold575	NW_004516008.1	104170	TT	CC	CC	INTERGENIC		
SNP_51429B_104196	scaffold575	NW_004516008.1	104196	TT	CC	CC	DRR	101499147	Unknown function
SNP_51430B_104278	scaffold575	NW_004516008.1	104278	TT	GG	GG	DRR	101499147	Unknown function
SNP_51431B_104355	scaffold575	NW_004516008.1	104355	TT	GG	GG	DRR	101499147	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51432B_104365	scaffold575	NW_004516008.1	104365	TT	CC	CC	DRR	101499147	Unknown function
SNP_51433B_104372	scaffold575	NW_004516008.1	104372	TT	CC	CC	DRR	101499147	Unknown function
SNP_51434B_104384	scaffold575	NW_004516008.1	104384	AA	GG	GG	DRR	101499147	Unknown function
SNP_51435B_104398	scaffold575	NW_004516008.1	104398	CC	TT	TT	DRR	101499147	Unknown function
SNP_51436B_104417	scaffold575	NW_004516008.1	104417	AA	GG	GG	DRR	101499147	Unknown function
SNP_51437B_104437	scaffold575	NW_004516008.1	104437	AA	CC	CC	DRR	101499147	Unknown function
SNP_51438B_104441	scaffold575	NW_004516008.1	104441	AA	GG	GG	DRR	101499147	Unknown function
SNP_51439B_104456	scaffold575	NW_004516008.1	104456	AA	CC	CC	DRR	101499147	Unknown function
SNP_51440B_105931	scaffold575	NW_004516008.1	105931	TT	CC	CC	URR	101499147	Unknown function
SNP_51441B_107137	scaffold575	NW_004516008.1	107137	CC	TT	TT	URR	101499147	Unknown function
SNP_51442B_107143	scaffold575	NW_004516008.1	107143	AA	CC	CC	URR	101499147	Unknown function
SNP_51443B_109787	scaffold575	NW_004516008.1	109787	CC	TT	TT	INTERGENIC		
SNP_51444B_109890	scaffold575	NW_004516008.1	109890	TT	AA	AA	INTERGENIC		
SNP_51445B_109941	scaffold575	NW_004516008.1	109941	TT	CC	CC	INTERGENIC		
SNP_51446B_109949	scaffold575	NW_004516008.1	109949	TT	GG	GG	INTERGENIC		
SNP_51447B_109969	scaffold575	NW_004516008.1	109969	AA	TT	TT	INTERGENIC		
SNP_51448B_109987	scaffold575	NW_004516008.1	109987	CC	TT	TT	INTERGENIC		
SNP_51449B_110006	scaffold575	NW_004516008.1	110006	CC	AA	AA	INTERGENIC		
SNP_51450B_110068	scaffold575	NW_004516008.1	110068	AA	CC	CC	INTERGENIC		
SNP_51451B_110156	scaffold575	NW_004516008.1	110156	TT	CC	CC	INTERGENIC		
SNP_51452B_110239	scaffold575	NW_004516008.1	110239	TT	CC	CC	INTERGENIC		
SNP_51453B_110242	scaffold575	NW_004516008.1	110242	TT	CC	CC	INTERGENIC		
SNP_51454B_110280	scaffold575	NW_004516008.1	110280	AA	CC	CC	INTERGENIC		
SNP_51455B_110308	scaffold575	NW_004516008.1	110308	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51456B_110362	scaffold575	NW_004516008.1	110362	AA	GG	GG	INTERGENIC		
SNP_51457B_110442	scaffold575	NW_004516008.1	110442	AA	CC	CC	INTERGENIC		
SNP_51458B_110466	scaffold575	NW_004516008.1	110466	AA	CC	CC	INTERGENIC		
SNP_51459B_110481	scaffold575	NW_004516008.1	110481	AA	GG	GG	INTERGENIC		
SNP_51462B_110519	scaffold575	NW_004516008.1	110519	TT	CC	CC	INTERGENIC		
SNP_51463B_110521	scaffold575	NW_004516008.1	110521	TT	AA	AA	INTERGENIC		
SNP_51464B_110581	scaffold575	NW_004516008.1	110581	AA	CC	CC	INTERGENIC		
SNP_51465B_110605	scaffold575	NW_004516008.1	110605	AA	CC	CC	INTERGENIC		
SNP_51466B_110620	scaffold575	NW_004516008.1	110620	AA	GG	GG	INTERGENIC		
SNP_51467B_110644	scaffold575	NW_004516008.1	110644	TT	GG	GG	INTERGENIC		
SNP_51468B_110660	scaffold575	NW_004516008.1	110660	TT	CC	CC	INTERGENIC		
SNP_51469B_110663	scaffold575	NW_004516008.1	110663	TT	CC	CC	INTERGENIC		
SNP_51470B_110753	scaffold575	NW_004516008.1	110753	AA	GG	GG	INTERGENIC		
SNP_51471B_110759	scaffold575	NW_004516008.1	110759	TT	CC	CC	INTERGENIC		
SNP_51472B_110765	scaffold575	NW_004516008.1	110765	TT	CC	CC	INTERGENIC		
SNP_51473B_110772	scaffold575	NW_004516008.1	110772	TT	GG	GG	INTERGENIC		
SNP_51474B_110830	scaffold575	NW_004516008.1	110830	TT	AA	AA	INTERGENIC		
SNP_51475B_110886	scaffold575	NW_004516008.1	110886	TT	CC	CC	INTERGENIC		
SNP_51476B_110910	scaffold575	NW_004516008.1	110910	TT	CC	CC	INTERGENIC		
SNP_51477B_110920	scaffold575	NW_004516008.1	110920	CC	GG	GG	INTERGENIC		
SNP_51478B_110949	scaffold575	NW_004516008.1	110949	CC	TT	TT	INTERGENIC		
SNP_51479B_111000	scaffold575	NW_004516008.1	111000	TT	CC	CC	INTERGENIC		
SNP_51480B_111030	scaffold575	NW_004516008.1	111030	TT	CC	CC	INTERGENIC		
SNP_51481B_111035	scaffold575	NW_004516008.1	111035	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51482B_111056	scaffold575	NW_004516008.1	111056	AA	GG	GG	INTERGENIC		
SNP_51483B_111135	scaffold575	NW_004516008.1	111135	AA	GG	GG	INTERGENIC		
SNP_51484B_111178	scaffold575	NW_004516008.1	111178	CC	AA	AA	INTERGENIC		
SNP_51485B_111188	scaffold575	NW_004516008.1	111188	TT	CC	CC	INTERGENIC		
SNP_51486B_111193	scaffold575	NW_004516008.1	111193	AA	GG	GG	INTERGENIC		
SNP_51487B_111235	scaffold575	NW_004516008.1	111235	GG	TT	TT	INTERGENIC		
SNP_51488B_111239	scaffold575	NW_004516008.1	111239	TT	CC	CC	INTERGENIC		
SNP_51489B_111295	scaffold575	NW_004516008.1	111295	TT	CC	CC	INTERGENIC		
SNP_51490B_111313	scaffold575	NW_004516008.1	111313	GG	CC	CC	INTERGENIC		
SNP_51491B_111338	scaffold575	NW_004516008.1	111338	AA	CC	CC	INTERGENIC		
SNP_51492B_111354	scaffold575	NW_004516008.1	111354	GG	AA	AA	INTERGENIC		
SNP_51493B_111356	scaffold575	NW_004516008.1	111356	TT	GG	GG	INTERGENIC		
SNP_51494B_111381	scaffold575	NW_004516008.1	111381	GG	AA	AA	INTERGENIC		
SNP_51495B_111396	scaffold575	NW_004516008.1	111396	AA	GG	GG	INTERGENIC		
SNP_51496B_111408	scaffold575	NW_004516008.1	111408	TT	CC	CC	INTERGENIC		
SNP_51497B_111454	scaffold575	NW_004516008.1	111454	AA	CC	CC	INTERGENIC		
SNP_51498B_111507	scaffold575	NW_004516008.1	111507	TT	AA	AA	INTERGENIC		
SNP_51499B_111513	scaffold575	NW_004516008.1	111513	AA	CC	CC	INTERGENIC		
SNP_51500B_111527	scaffold575	NW_004516008.1	111527	GG	CC	CC	INTERGENIC		
SNP_51501B_111556	scaffold575	NW_004516008.1	111556	CC	TT	TT	INTERGENIC		
SNP_51502B_111586	scaffold575	NW_004516008.1	111586	AA	GG	GG	INTERGENIC		
SNP_51503B_111698	scaffold575	NW_004516008.1	111698	AA	GG	GG	INTERGENIC		
SNP_51504B_111725	scaffold575	NW_004516008.1	111725	TT	CC	CC	INTERGENIC		
SNP_51505B_111743	scaffold575	NW_004516008.1	111743	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51506B_111796	scaffold575	NW_004516008.1	111796	TT	AA	AA	INTERGENIC		
SNP_51507B_111831	scaffold575	NW_004516008.1	111831	TT	CC	CC	INTERGENIC		
SNP_51508B_111856	scaffold575	NW_004516008.1	111856	TT	GG	GG	INTERGENIC		
SNP_51509B_111861	scaffold575	NW_004516008.1	111861	AA	GG	GG	INTERGENIC		
SNP_51510B_111875	scaffold575	NW_004516008.1	111875	AA	GG	GG	INTERGENIC		
SNP_51511B_111907	scaffold575	NW_004516008.1	111907	AA	GG	GG	INTERGENIC		
SNP_51512B_111923	scaffold575	NW_004516008.1	111923	CC	GG	GG	INTERGENIC		
SNP_51513B_111945	scaffold575	NW_004516008.1	111945	AA	GG	GG	INTERGENIC		
SNP_51514B_111950	scaffold575	NW_004516008.1	111950	TT	CC	CC	INTERGENIC		
SNP_51515B_111999	scaffold575	NW_004516008.1	111999	TT	CC	CC	INTERGENIC		
SNP_51516B_112004	scaffold575	NW_004516008.1	112004	AA	CC	CC	INTERGENIC		
SNP_51517B_112060	scaffold575	NW_004516008.1	112060	TT	CC	CC	INTERGENIC		
SNP_51518B_112145	scaffold575	NW_004516008.1	112145	AA	CC	CC	INTERGENIC		
SNP_51519B_112166	scaffold575	NW_004516008.1	112166	AA	GG	GG	INTERGENIC		
SNP_51520B_112172	scaffold575	NW_004516008.1	112172	TT	GG	GG	INTERGENIC		
SNP_51521B_112198	scaffold575	NW_004516008.1	112198	AA	GG	GG	INTERGENIC		
SNP_51522B_112212	scaffold575	NW_004516008.1	112212	TT	GG	GG	INTERGENIC		
SNP_51523B_112326	scaffold575	NW_004516008.1	112326	CC	TT	TT	INTERGENIC		
SNP_51524B_112328	scaffold575	NW_004516008.1	112328	TT	GG	GG	INTERGENIC		
SNP_51525B_112341	scaffold575	NW_004516008.1	112341	TT	CC	CC	INTERGENIC		
SNP_51526B_112365	scaffold575	NW_004516008.1	112365	CC	TT	TT	INTERGENIC		
SNP_51527B_112383	scaffold575	NW_004516008.1	112383	AA	GG	GG	INTERGENIC		
SNP_51528B_112400	scaffold575	NW_004516008.1	112400	CC	AA	AA	INTERGENIC		
SNP_51529B_112424	scaffold575	NW_004516008.1	112424	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51530B_112451	scaffold575	NW_004516008.1	112451	GG	AA	AA	INTERGENIC		
SNP_51531B_112523	scaffold575	NW_004516008.1	112523	TT	CC	CC	INTERGENIC		
SNP_51532B_112535	scaffold575	NW_004516008.1	112535	TT	CC	CC	INTERGENIC		
SNP_51533B_112557	scaffold575	NW_004516008.1	112557	AA	CC	CC	INTERGENIC		
SNP_51534B_112589	scaffold575	NW_004516008.1	112589	TT	CC	CC	INTERGENIC		
SNP_51535B_112618	scaffold575	NW_004516008.1	112618	CC	TT	TT	INTERGENIC		
SNP_51536B_112629	scaffold575	NW_004516008.1	112629	TT	CC	CC	INTERGENIC		
SNP_51537B_112725	scaffold575	NW_004516008.1	112725	CC	AA	AA	INTERGENIC		
SNP_51538B_112848	scaffold575	NW_004516008.1	112848	CC	GG	GG	INTERGENIC		
SNP_51539B_112865	scaffold575	NW_004516008.1	112865	TT	CC	CC	INTERGENIC		
SNP_51540B_112869	scaffold575	NW_004516008.1	112869	GG	AA	AA	INTERGENIC		
SNP_51542B_113131	scaffold575	NW_004516008.1	113131	GG	AA	AA	INTERGENIC		
SNP_51543B_113132	scaffold575	NW_004516008.1	113132	CC	TT	TT	INTERGENIC		
SNP_51544B_113134	scaffold575	NW_004516008.1	113134	AA	GG	GG	INTERGENIC		
SNP_51545B_113141	scaffold575	NW_004516008.1	113141	GG	AA	AA	INTERGENIC		
SNP_51546B_113147	scaffold575	NW_004516008.1	113147	AA	GG	GG	INTERGENIC		
SNP_51547B_113215	scaffold575	NW_004516008.1	113215	AA	GG	GG	INTERGENIC		
SNP_51548B_113240	scaffold575	NW_004516008.1	113240	CC	AA	TT	INTERGENIC		
SNP_51551B_113404	scaffold575	NW_004516008.1	113404	TT	CC	CC	INTERGENIC		
SNP_51552B_113413	scaffold575	NW_004516008.1	113413	GG	TT	TT	INTERGENIC		
SNP_51553B_113439	scaffold575	NW_004516008.1	113439	GG	AA	AA	INTERGENIC		
SNP_51554B_113444	scaffold575	NW_004516008.1	113444	AA	GG	GG	INTERGENIC		
SNP_51556B_113533	scaffold575	NW_004516008.1	113533	GG	AA	AA	INTERGENIC		
SNP_51558B_113944	scaffold575	NW_004516008.1	113944	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51559B_113961	scaffold575	NW_004516008.1	113961	TT	GG	GG	INTERGENIC		
SNP_51560B_113971	scaffold575	NW_004516008.1	113971	TT	GG	GG	INTERGENIC		
SNP_51561B_113977	scaffold575	NW_004516008.1	113977	GG	CC	CC	INTERGENIC		
SNP_51562B_114022	scaffold575	NW_004516008.1	114022	AA	GG	GG	INTERGENIC		
SNP_51563B_114148	scaffold575	NW_004516008.1	114148	AA	GG	GG	INTERGENIC		
SNP_51564B_114200	scaffold575	NW_004516008.1	114200	TT	CC	CC	INTERGENIC		
SNP_51565B_114231	scaffold575	NW_004516008.1	114231	TT	CC	CC	INTERGENIC		
SNP_51566B_114285	scaffold575	NW_004516008.1	114285	GG	TT	TT	INTERGENIC		
SNP_51567B_114356	scaffold575	NW_004516008.1	114356	AA	CC	CC	INTERGENIC		
SNP_51568B_114403	scaffold575	NW_004516008.1	114403	TT	CC	CC	INTERGENIC		
SNP_51569B_114419	scaffold575	NW_004516008.1	114419	AA	GG	GG	INTERGENIC		
SNP_51570B_114425	scaffold575	NW_004516008.1	114425	AA	GG	GG	INTERGENIC		
SNP_51571B_114751	scaffold575	NW_004516008.1	114751	AA	CC	CC	INTERGENIC		
SNP_51572B_114798	scaffold575	NW_004516008.1	114798	TT	CC	CC	INTERGENIC		
SNP_51573B_114814	scaffold575	NW_004516008.1	114814	AA	GG	GG	INTERGENIC		
SNP_51574B_114820	scaffold575	NW_004516008.1	114820	AA	GG	GG	INTERGENIC		
SNP_51575B_114882	scaffold575	NW_004516008.1	114882	CC	TT	TT	INTERGENIC		
SNP_51576B_114919	scaffold575	NW_004516008.1	114919	AA	GG	GG	DRR	101499468	Unknown function
SNP_51577B_114937	scaffold575	NW_004516008.1	114937	TT	CC	CC	DRR	101499468	Unknown function
SNP_51578B_115113	scaffold575	NW_004516008.1	115113	AA	CC	CC	DRR	101499468	Unknown function
SNP_51579B_115117	scaffold575	NW_004516008.1	115117	AA	GG	GG	DRR	101499468	Unknown function
SNP_51580B_115163	scaffold575	NW_004516008.1	115163	TT	AA	AA	DRR	101499468	Unknown function
SNP_51581B_115171	scaffold575	NW_004516008.1	115171	AA	GG	GG	DRR	101499468	Unknown function
SNP_51582B_115239	scaffold575	NW_004516008.1	115239	AA	GG	GG	DRR	101499468	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51583B_115250	scaffold575	NW_004516008.1	115250	AA	GG	GG	DRR	101499468	Unknown function
SNP_51584B_115255	scaffold575	NW_004516008.1	115255	TT	CC	CC	DRR	101499468	Unknown function
SNP_51585B_115269	scaffold575	NW_004516008.1	115269	TT	CC	CC	DRR	101499468	Unknown function
SNP_51586B_115273	scaffold575	NW_004516008.1	115273	AA	GG	GG	DRR	101499468	Unknown function
SNP_51587B_115298	scaffold575	NW_004516008.1	115298	TT	GG	GG	DRR	101499468	Unknown function
SNP_51588B_115608	scaffold575	NW_004516008.1	115608	AA	GG	GG	DRR	101499468	Unknown function
SNP_51589B_115675	scaffold575	NW_004516008.1	115675	AA	GG	GG	DRR	101499468	Unknown function
SNP_51590B_115693	scaffold575	NW_004516008.1	115693	TT	GG	GG	DRR	101499468	Unknown function
SNP_51591B_115727	scaffold575	NW_004516008.1	115727	TT	AA	AA	DRR	101499468	Unknown function
SNP_51592B_115766	scaffold575	NW_004516008.1	115766	TT	GG	GG	DRR	101499468	Unknown function
SNP_51593B_115770	scaffold575	NW_004516008.1	115770	TT	CC	CC	DRR	101499468	Unknown function
SNP_51594B_115787	scaffold575	NW_004516008.1	115787	GG	TT	TT	DRR	101499468	Unknown function
SNP_51595B_115836	scaffold575	NW_004516008.1	115836	TT	CC	CC	DRR	101499468	Unknown function
SNP_51596B_115844	scaffold575	NW_004516008.1	115844	TT	GG	GG	DRR	101499468	Unknown function
SNP_51597B_115868	scaffold575	NW_004516008.1	115868	CC	TT	TT	DRR	101499468	Unknown function
SNP_51598B_115874	scaffold575	NW_004516008.1	115874	TT	CC	CC	DRR	101499468	Unknown function
SNP_51599B_115940	scaffold575	NW_004516008.1	115940	TT	CC	CC	INTERGENIC		
SNP_51600B_115990	scaffold575	NW_004516008.1	115990	AA	TT	TT	INTERGENIC		
SNP_51601B_116019	scaffold575	NW_004516008.1	116019	AA	CC	CC	INTERGENIC		
SNP_51602B_116070	scaffold575	NW_004516008.1	116070	AA	GG	GG	INTERGENIC		
SNP_51603B_116086	scaffold575	NW_004516008.1	116086	AA	CC	CC	INTERGENIC		
SNP_51604B_116139	scaffold575	NW_004516008.1	116139	CC	TT	TT	INTERGENIC		
SNP_51605B_116157	scaffold575	NW_004516008.1	116157	AA	GG	GG	INTERGENIC		
SNP_51606B_116228	scaffold575	NW_004516008.1	116228	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51607B_116236	scaffold575	NW_004516008.1	116236	AA	TT	TT	INTERGENIC		
SNP_51608B_116260	scaffold575	NW_004516008.1	116260	CC	GG	GG	INTERGENIC		
SNP_51609B_116320	scaffold575	NW_004516008.1	116320	TT	GG	GG	INTERGENIC		
SNP_51610B_116364	scaffold575	NW_004516008.1	116364	TT	CC	CC	INTERGENIC		
SNP_51611B_116365	scaffold575	NW_004516008.1	116365	AA	GG	GG	INTERGENIC		
SNP_51612B_116381	scaffold575	NW_004516008.1	116381	AA	GG	GG	INTERGENIC		
SNP_51613B_116391	scaffold575	NW_004516008.1	116391	CC	TT	TT	INTERGENIC		
SNP_51614B_116432	scaffold575	NW_004516008.1	116432	TT	AA	AA	INTERGENIC		
SNP_51615B_116451	scaffold575	NW_004516008.1	116451	AA	GG	GG	INTERGENIC		
SNP_51616B_116466	scaffold575	NW_004516008.1	116466	AA	CC	CC	INTERGENIC		
SNP_51617B_116467	scaffold575	NW_004516008.1	116467	CC	AA	AA	INTERGENIC		
SNP_51618B_116499	scaffold575	NW_004516008.1	116499	CC	AA	AA	INTERGENIC		
SNP_51619B_116500	scaffold575	NW_004516008.1	116500	TT	GG	GG	INTERGENIC		
SNP_51620B_116502	scaffold575	NW_004516008.1	116502	CC	TT	TT	INTERGENIC		
SNP_51621B_116508	scaffold575	NW_004516008.1	116508	TT	CC	CC	INTERGENIC		
SNP_51622B_116509	scaffold575	NW_004516008.1	116509	TT	CC	CC	INTERGENIC		
SNP_51623B_116846	scaffold575	NW_004516008.1	116846	TT	CC	CC	INTERGENIC		
SNP_51624B_116864	scaffold575	NW_004516008.1	116864	TT	CC	CC	INTERGENIC		
SNP_51625B_116879	scaffold575	NW_004516008.1	116879	CC	TT	TT	INTERGENIC		
SNP_51626B_116880	scaffold575	NW_004516008.1	116880	AA	GG	GG	INTERGENIC		
SNP_51627B_116925	scaffold575	NW_004516008.1	116925	AA	GG	GG	INTERGENIC		
SNP_51628B_116957	scaffold575	NW_004516008.1	116957	AA	CC	CC	INTERGENIC		
SNP_51629B_116972	scaffold575	NW_004516008.1	116972	AA	TT	TT	INTERGENIC		
SNP_51630B_116978	scaffold575	NW_004516008.1	116978	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51631B_116989	scaffold575	NW_004516008.1	116989	TT	GG	GG	URR	101499468	Unknown function
SNP_51632B_117063	scaffold575	NW_004516008.1	117063	AA	GG	GG	URR	101499468	Unknown function
SNP_51633B_117080	scaffold575	NW_004516008.1	117080	TT	CC	CC	URR	101499468	Unknown function
SNP_51634B_117098	scaffold575	NW_004516008.1	117098	CC	TT	TT	URR	101499468	Unknown function
SNP_51635B_117144	scaffold575	NW_004516008.1	117144	AA	GG	GG	URR	101499468	Unknown function
SNP_51636B_117167	scaffold575	NW_004516008.1	117167	TT	CC	CC	URR	101499468	Unknown function
SNP_51637B_117186	scaffold575	NW_004516008.1	117186	AA	GG	GG	URR	101499468	Unknown function
SNP_51638B_117187	scaffold575	NW_004516008.1	117187	AA	TT	TT	URR	101499468	Unknown function
SNP_51639B_117213	scaffold575	NW_004516008.1	117213	AA	GG	GG	URR	101499468	Unknown function
SNP_51640B_117221	scaffold575	NW_004516008.1	117221	AA	GG	GG	URR	101499468	Unknown function
SNP_51641B_117249	scaffold575	NW_004516008.1	117249	CC	TT	TT	URR	101499468	Unknown function
SNP_51642B_117282	scaffold575	NW_004516008.1	117282	AA	CC	CC	URR	101499468	Unknown function
SNP_51643B_117305	scaffold575	NW_004516008.1	117305	GG	AA	AA	URR	101499468	Unknown function
SNP_51644B_117333	scaffold575	NW_004516008.1	117333	AA	GG	GG	URR	101499468	Unknown function
SNP_51645B_117338	scaffold575	NW_004516008.1	117338	TT	CC	CC	URR	101499468	Unknown function
SNP_51646B_117357	scaffold575	NW_004516008.1	117357	CC	TT	TT	URR	101499468	Unknown function
SNP_51647B_117379	scaffold575	NW_004516008.1	117379	TT	AA	AA	URR	101499468	Unknown function
SNP_51648B_117386	scaffold575	NW_004516008.1	117386	AA	GG	GG	URR	101499468	Unknown function
SNP_51649B_117399	scaffold575	NW_004516008.1	117399	AA	GG	GG	URR	101499468	Unknown function
SNP_51650B_117424	scaffold575	NW_004516008.1	117424	AA	TT	TT	URR	101499468	Unknown function
SNP_51651B_117437	scaffold575	NW_004516008.1	117437	TT	CC	CC	URR	101499468	Unknown function
SNP_51652B_117466	scaffold575	NW_004516008.1	117466	TT	GG	GG	URR	101499468	Unknown function
SNP_51653B_117475	scaffold575	NW_004516008.1	117475	TT	GG	GG	URR	101499468	Unknown function
SNP_51654B_117532	scaffold575	NW_004516008.1	117532	AA	GG	GG	URR	101499468	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51655B_117603	scaffold575	NW_004516008.1	117603	GG	AA	AA	URR	101499468	Unknown function
SNP_51656B_117616	scaffold575	NW_004516008.1	117616	AA	GG	GG	URR	101499468	Unknown function
SNP_51657B_117628	scaffold575	NW_004516008.1	117628	TT	GG	GG	URR	101499468	Unknown function
SNP_51658B_117692	scaffold575	NW_004516008.1	117692	AA	CC	CC	URR	101499468	Unknown function
SNP_51659B_117701	scaffold575	NW_004516008.1	117701	TT	CC	CC	URR	101499468	Unknown function
SNP_51660B_117720	scaffold575	NW_004516008.1	117720	AA	CC	CC	URR	101499468	Unknown function
SNP_51661B_117732	scaffold575	NW_004516008.1	117732	TT	GG	GG	URR	101499468	Unknown function
SNP_51662B_117752	scaffold575	NW_004516008.1	117752	TT	CC	CC	URR	101499468	Unknown function
SNP_51663B_117763	scaffold575	NW_004516008.1	117763	TT	CC	CC	URR	101499468	Unknown function
SNP_51664B_117775	scaffold575	NW_004516008.1	117775	AA	TT	TT	URR	101499468	Unknown function
SNP_51665B_117834	scaffold575	NW_004516008.1	117834	TT	CC	CC	URR	101499468	Unknown function
SNP_51666B_117865	scaffold575	NW_004516008.1	117865	TT	GG	GG	URR	101499468	Unknown function
SNP_51667B_117900	scaffold575	NW_004516008.1	117900	AA	GG	GG	URR	101499468	Unknown function
SNP_51668B_117964	scaffold575	NW_004516008.1	117964	AA	CC	CC	URR	101499468	Unknown function
SNP_51669B_117999	scaffold575	NW_004516008.1	117999	AA	CC	CC	URR	101499468	Unknown function
SNP_51670B_118014	scaffold575	NW_004516008.1	118014	AA	GG	GG	URR	101499468	Unknown function
SNP_51671B_118141	scaffold575	NW_004516008.1	118141	AA	GG	GG	URR	101499468	Unknown function
SNP_51672B_118153	scaffold575	NW_004516008.1	118153	TT	CC	CC	URR	101499468	Unknown function
SNP_51673B_118180	scaffold575	NW_004516008.1	118180	AA	GG	GG	URR	101499468	Unknown function
SNP_51674B_118188	scaffold575	NW_004516008.1	118188	AA	GG	GG	URR	101499468	Unknown function
SNP_51675B_118286	scaffold575	NW_004516008.1	118286	TT	AA	AA	URR	101499468	Unknown function
SNP_51676B_118299	scaffold575	NW_004516008.1	118299	AA	CC	CC	URR	101499468	Unknown function
SNP_51677B_118352	scaffold575	NW_004516008.1	118352	AA	GG	GG	URR	101499468	Unknown function
SNP_51678B_118374	scaffold575	NW_004516008.1	118374	TT	GG	GG	URR	101499468	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51679B_118409	scaffold575	NW_004516008.1	118409	TT	CC	CC	URR	101499468	Unknown function
SNP_51680B_118414	scaffold575	NW_004516008.1	118414	AA	GG	GG	URR	101499468	Unknown function
SNP_51681B_118525	scaffold575	NW_004516008.1	118525	AA	GG	GG	URR	101499468	Unknown function
SNP_51682B_120111	scaffold575	NW_004516008.1	120111	AA	GG	GG	DRR	101499770	Unknown function
SNP_51683B_120184	scaffold575	NW_004516008.1	120184	AA	GG	GG	DRR	101499770	Unknown function
SNP_51684B_120187	scaffold575	NW_004516008.1	120187	TT	GG	GG	DRR	101499770	Unknown function
SNP_51685B_120201	scaffold575	NW_004516008.1	120201	AA	CC	CC	DRR	101499770	Unknown function
SNP_51686B_120203	scaffold575	NW_004516008.1	120203	TT	CC	CC	DRR	101499770	Unknown function
SNP_51687B_120270	scaffold575	NW_004516008.1	120270	AA	CC	CC	NON_SYNONYMOUS_CODING	101499770	Unknown function
SNP_51688B_120501	scaffold575	NW_004516008.1	120501	TT	CC	CC	NON_SYNONYMOUS_CODING	101499770	Unknown function
SNP_51689B_121595	scaffold575	NW_004516008.1	121595	GG	AA	AA	URR	101499770	Unknown function
SNP_51690B_121613	scaffold575	NW_004516008.1	121613	TT	CC	CC	URR	101499770	Unknown function
SNP_51691B_121624	scaffold575	NW_004516008.1	121624	GG	AA	AA	URR	101499770	Unknown function
SNP_51692B_121689	scaffold575	NW_004516008.1	121689	CC	AA	AA	URR	101499770	Unknown function
SNP_51693B_121717	scaffold575	NW_004516008.1	121717	CC	TT	TT	URR	101499770	Unknown function
SNP_51694B_121728	scaffold575	NW_004516008.1	121728	AA	GG	GG	URR	101499770	Unknown function
SNP_51695B_121741	scaffold575	NW_004516008.1	121741	GG	AA	AA	URR	101499770	Unknown function
SNP_51696B_121867	scaffold575	NW_004516008.1	121867	GG	TT	TT	URR	101499770	Unknown function
SNP_51697B_121874	scaffold575	NW_004516008.1	121874	TT	CC	CC	URR	101499770	Unknown function
SNP_51698B_121879	scaffold575	NW_004516008.1	121879	CC	TT	TT	URR	101499770	Unknown function
SNP_51699B_121910	scaffold575	NW_004516008.1	121910	CC	AA	AA	URR	101499770	Unknown function
SNP_51700B_121914	scaffold575	NW_004516008.1	121914	TT	CC	CC	URR	101499770	Unknown function
SNP_51701B_121944	scaffold575	NW_004516008.1	121944	CC	GG	GG	URR	101499770	Unknown function
SNP_51702B_121963	scaffold575	NW_004516008.1	121963	TT	AA	AA	URR	101499770	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51703B_122019	scaffold575	NW_004516008.1	122019	AA	GG	GG	URR	101499770	Unknown function
SNP_51704B_122024	scaffold575	NW_004516008.1	122024	GG	TT	TT	URR	101499770	Unknown function
SNP_51705B_122038	scaffold575	NW_004516008.1	122038	AA	GG	GG	URR	101499770	Unknown function
SNP_51706B_122056	scaffold575	NW_004516008.1	122056	AA	CC	CC	URR	101499770	Unknown function
SNP_51707B_122059	scaffold575	NW_004516008.1	122059	TT	CC	CC	URR	101499770	Unknown function
SNP_51708B_122061	scaffold575	NW_004516008.1	122061	TT	CC	CC	URR	101499770	Unknown function
SNP_51709B_122067	scaffold575	NW_004516008.1	122067	TT	GG	GG	URR	101499770	Unknown function
SNP_51710B_122081	scaffold575	NW_004516008.1	122081	GG	CC	CC	URR	101499770	Unknown function
SNP_51711B_122102	scaffold575	NW_004516008.1	122102	AA	GG	GG	URR	101499770	Unknown function
SNP_51712B_122121	scaffold575	NW_004516008.1	122121	TT	CC	CC	URR	101499770	Unknown function
SNP_51713B_122126	scaffold575	NW_004516008.1	122126	GG	TT	AA	URR	101499770	Unknown function
SNP_51714B_122138	scaffold575	NW_004516008.1	122138	AA	GG	GG	URR	101499770	Unknown function
SNP_51715B_122151	scaffold575	NW_004516008.1	122151	CC	AA	AA	URR	101499770	Unknown function
SNP_51716B_122203	scaffold575	NW_004516008.1	122203	AA	CC	CC	URR	101499770	Unknown function
SNP_51717B_122312	scaffold575	NW_004516008.1	122312	TT	CC	CC	URR	101499770	Unknown function
SNP_51718B_122409	scaffold575	NW_004516008.1	122409	TT	CC	CC	URR	101499770	Unknown function
SNP_51719B_122473	scaffold575	NW_004516008.1	122473	GG	CC	CC	URR	101499770	Unknown function
SNP_51720B_122480	scaffold575	NW_004516008.1	122480	TT	CC	CC	URR	101499770	Unknown function
SNP_51721B_122518	scaffold575	NW_004516008.1	122518	AA	CC	CC	URR	101499770	Unknown function
SNP_51722B_122574	scaffold575	NW_004516008.1	122574	TT	GG	GG	URR	101499770	Unknown function
SNP_51723B_123990	scaffold575	NW_004516008.1	123990	TT	GG	GG	INTERGENIC		
SNP_51724B_124018	scaffold575	NW_004516008.1	124018	AA	GG	GG	INTERGENIC		
SNP_51725B_124053	scaffold575	NW_004516008.1	124053	CC	AA	AA	INTERGENIC		
SNP_51726B_124064	scaffold575	NW_004516008.1	124064	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51727B_124076	scaffold575	NW_004516008.1	124076	CC	AA	AA	INTERGENIC		
SNP_51728B_124324	scaffold575	NW_004516008.1	124324	CC	TT	TT	INTERGENIC		
SNP_51729B_124344	scaffold575	NW_004516008.1	124344	AA	CC	CC	INTERGENIC		
SNP_51730B_124353	scaffold575	NW_004516008.1	124353	GG	AA	AA	INTERGENIC		
SNP_51731B_124354	scaffold575	NW_004516008.1	124354	GG	AA	AA	INTERGENIC		
SNP_51732B_124420	scaffold575	NW_004516008.1	124420	GG	AA	AA	INTERGENIC		
SNP_51733B_124505	scaffold575	NW_004516008.1	124505	TT	CC	CC	INTERGENIC		
SNP_51734B_124536	scaffold575	NW_004516008.1	124536	GG	AA	AA	INTERGENIC		
SNP_51735B_124651	scaffold575	NW_004516008.1	124651	TT	CC	CC	INTERGENIC		
SNP_51736B_124783	scaffold575	NW_004516008.1	124783	AA	GG	GG	INTERGENIC		
SNP_51737B_124853	scaffold575	NW_004516008.1	124853	CC	TT	TT	INTERGENIC		
SNP_51738B_124856	scaffold575	NW_004516008.1	124856	TT	CC	CC	INTERGENIC		
SNP_51739B_124862	scaffold575	NW_004516008.1	124862	TT	CC	CC	INTERGENIC		
SNP_51740B_124886	scaffold575	NW_004516008.1	124886	TT	CC	CC	INTERGENIC		
SNP_51741B_124888	scaffold575	NW_004516008.1	124888	AA	CC	CC	INTERGENIC		
SNP_51742B_124895	scaffold575	NW_004516008.1	124895	GG	AA	AA	INTERGENIC		
SNP_51743B_124921	scaffold575	NW_004516008.1	124921	TT	CC	CC	INTERGENIC		
SNP_51744B_124940	scaffold575	NW_004516008.1	124940	GG	AA	AA	INTERGENIC		
SNP_51745B_124983	scaffold575	NW_004516008.1	124983	GG	CC	CC	INTERGENIC		
SNP_51746B_124998	scaffold575	NW_004516008.1	124998	TT	CC	CC	INTERGENIC		
SNP_51747B_125005	scaffold575	NW_004516008.1	125005	AA	GG	GG	INTERGENIC		
SNP_51748B_125083	scaffold575	NW_004516008.1	125083	AA	CC	CC	INTERGENIC		
SNP_51749B_125174	scaffold575	NW_004516008.1	125174	TT	CC	CC	INTERGENIC		
SNP_51750B_125217	scaffold575	NW_004516008.1	125217	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51751B_125245	scaffold575	NW_004516008.1	125245	TT	CC	CC	INTERGENIC		
SNP_51752B_125301	scaffold575	NW_004516008.1	125301	GG	TT	TT	INTERGENIC		
SNP_51753B_125327	scaffold575	NW_004516008.1	125327	AA	GG	GG	INTERGENIC		
SNP_51754B_125368	scaffold575	NW_004516008.1	125368	GG	AA	AA	INTERGENIC		
SNP_51755B_125384	scaffold575	NW_004516008.1	125384	TT	CC	CC	INTERGENIC		
SNP_51756B_125400	scaffold575	NW_004516008.1	125400	TT	CC	CC	INTERGENIC		
SNP_51757B_125413	scaffold575	NW_004516008.1	125413	AA	GG	GG	INTERGENIC		
SNP_51758B_125448	scaffold575	NW_004516008.1	125448	AA	GG	GG	INTERGENIC		
SNP_51759B_125449	scaffold575	NW_004516008.1	125449	TT	GG	GG	INTERGENIC		
SNP_51760B_125466	scaffold575	NW_004516008.1	125466	AA	TT	TT	INTERGENIC		
SNP_51761B_125492	scaffold575	NW_004516008.1	125492	TT	CC	CC	INTERGENIC		
SNP_51762B_125518	scaffold575	NW_004516008.1	125518	TT	CC	CC	INTERGENIC		
SNP_51763B_125519	scaffold575	NW_004516008.1	125519	TT	CC	CC	INTERGENIC		
SNP_51764B_125561	scaffold575	NW_004516008.1	125561	AA	GG	GG	INTERGENIC		
SNP_51765B_125582	scaffold575	NW_004516008.1	125582	AA	GG	GG	INTERGENIC		
SNP_51766B_125595	scaffold575	NW_004516008.1	125595	AA	TT	TT	INTERGENIC		
SNP_51767B_125599	scaffold575	NW_004516008.1	125599	TT	CC	CC	INTERGENIC		
SNP_51768B_125604	scaffold575	NW_004516008.1	125604	AA	GG	GG	INTERGENIC		
SNP_51769B_125612	scaffold575	NW_004516008.1	125612	TT	GG	GG	INTERGENIC		
SNP_51770B_125654	scaffold575	NW_004516008.1	125654	TT	CC	CC	INTERGENIC		
SNP_51771B_125684	scaffold575	NW_004516008.1	125684	TT	CC	CC	INTERGENIC		
SNP_51772B_125742	scaffold575	NW_004516008.1	125742	TT	CC	CC	INTERGENIC		
SNP_51773B_125748	scaffold575	NW_004516008.1	125748	CC	TT	TT	INTERGENIC		
SNP_51774B_125760	scaffold575	NW_004516008.1	125760	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51775B_125762	scaffold575	NW_004516008.1	125762	AA	GG	GG	INTERGENIC		
SNP_51776B_125841	scaffold575	NW_004516008.1	125841	TT	CC	CC	INTERGENIC		
SNP_51777B_125866	scaffold575	NW_004516008.1	125866	TT	GG	GG	INTERGENIC		
SNP_51778B_125876	scaffold575	NW_004516008.1	125876	TT	CC	CC	INTERGENIC		
SNP_51779B_125905	scaffold575	NW_004516008.1	125905	AA	GG	GG	INTERGENIC		
SNP_51781B_125914	scaffold575	NW_004516008.1	125914	AA	GG	GG	INTERGENIC		
SNP_51782B_125985	scaffold575	NW_004516008.1	125985	AA	GG	GG	INTERGENIC		
SNP_51784B_126000	scaffold575	NW_004516008.1	126000	AA	GG	GG	INTERGENIC		
SNP_51785B_126042	scaffold575	NW_004516008.1	126042	AA	CC	CC	INTERGENIC		
SNP_51786B_126053	scaffold575	NW_004516008.1	126053	GG	TT	TT	INTERGENIC		
SNP_51787B_126058	scaffold575	NW_004516008.1	126058	CC	TT	TT	INTERGENIC		
SNP_51788B_126118	scaffold575	NW_004516008.1	126118	TT	CC	CC	INTERGENIC		
SNP_51789B_126155	scaffold575	NW_004516008.1	126155	TT	CC	CC	INTERGENIC		
SNP_51790B_126164	scaffold575	NW_004516008.1	126164	CC	GG	GG	INTERGENIC		
SNP_51791B_126175	scaffold575	NW_004516008.1	126175	GG	AA	AA	INTERGENIC		
SNP_51792B_126255	scaffold575	NW_004516008.1	126255	TT	CC	CC	INTERGENIC		
SNP_51793B_126258	scaffold575	NW_004516008.1	126258	AA	TT	TT	INTERGENIC		
SNP_51794B_126260	scaffold575	NW_004516008.1	126260	TT	GG	GG	INTERGENIC		
SNP_51795B_126345	scaffold575	NW_004516008.1	126345	TT	CC	CC	INTERGENIC		
SNP_51796B_126379	scaffold575	NW_004516008.1	126379	TT	CC	CC	INTERGENIC		
SNP_51797B_126393	scaffold575	NW_004516008.1	126393	AA	GG	GG	INTERGENIC		
SNP_51798B_126407	scaffold575	NW_004516008.1	126407	TT	CC	CC	INTERGENIC		
SNP_51799B_126409	scaffold575	NW_004516008.1	126409	GG	AA	AA	INTERGENIC		
SNP_51800B_126517	scaffold575	NW_004516008.1	126517	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51801B_126518	scaffold575	NW_004516008.1	126518	TT	CC	CC	INTERGENIC		
SNP_51802B_126549	scaffold575	NW_004516008.1	126549	AA	CC	CC	INTERGENIC		
SNP_51803B_126582	scaffold575	NW_004516008.1	126582	AA	GG	GG	INTERGENIC		
SNP_51804B_126604	scaffold575	NW_004516008.1	126604	GG	TT	TT	INTERGENIC		
SNP_51805B_126609	scaffold575	NW_004516008.1	126609	TT	CC	CC	INTERGENIC		
SNP_51806B_126651	scaffold575	NW_004516008.1	126651	TT	GG	GG	INTERGENIC		
SNP_51807B_126718	scaffold575	NW_004516008.1	126718	TT	AA	AA	INTERGENIC		
SNP_51808B_126759	scaffold575	NW_004516008.1	126759	GG	AA	AA	INTERGENIC		
SNP_51809B_126803	scaffold575	NW_004516008.1	126803	AA	GG	GG	INTERGENIC		
SNP_51810B_126809	scaffold575	NW_004516008.1	126809	AA	GG	GG	INTERGENIC		
SNP_51811B_126816	scaffold575	NW_004516008.1	126816	AA	CC	CC	INTERGENIC		
SNP_51812B_126819	scaffold575	NW_004516008.1	126819	AA	GG	GG	INTERGENIC		
SNP_51813B_126846	scaffold575	NW_004516008.1	126846	AA	GG	GG	INTERGENIC		
SNP_51814B_126860	scaffold575	NW_004516008.1	126860	TT	CC	CC	INTERGENIC		
SNP_51815B_126875	scaffold575	NW_004516008.1	126875	TT	CC	CC	INTERGENIC		
SNP_51816B_126882	scaffold575	NW_004516008.1	126882	TT	GG	GG	INTERGENIC		
SNP_51817B_126886	scaffold575	NW_004516008.1	126886	AA	GG	GG	INTERGENIC		
SNP_51818B_126937	scaffold575	NW_004516008.1	126937	AA	CC	CC	INTERGENIC		
SNP_51819B_127005	scaffold575	NW_004516008.1	127005	AA	CC	CC	INTERGENIC		
SNP_51820B_127027	scaffold575	NW_004516008.1	127027	TT	CC	CC	INTERGENIC		
SNP_51821B_127030	scaffold575	NW_004516008.1	127030	AA	GG	GG	INTERGENIC		
SNP_51822B_127031	scaffold575	NW_004516008.1	127031	AA	CC	CC	INTERGENIC		
SNP_51823B_127077	scaffold575	NW_004516008.1	127077	AA	GG	GG	INTERGENIC		
SNP_51824B_127124	scaffold575	NW_004516008.1	127124	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51825B_127135	scaffold575	NW_004516008.1	127135	TT	AA	AA	INTERGENIC		
SNP_51826B_127245	scaffold575	NW_004516008.1	127245	CC	GG	GG	INTERGENIC		
SNP_51827B_127256	scaffold575	NW_004516008.1	127256	AA	CC	CC	INTERGENIC		
SNP_51828B_127291	scaffold575	NW_004516008.1	127291	AA	GG	GG	INTERGENIC		
SNP_51829B_4381	scaffold577	NW_004516009.1	4381	CC	AA	AA	INTERGENIC		
SNP_51830B_16675	scaffold577	NW_004516009.1	16675	CC	TT	TT	INTERGENIC		
SNP_51831B_16779	scaffold577	NW_004516009.1	16779	GG	AA	AA	INTERGENIC		
SNP_51832B_16818	scaffold577	NW_004516009.1	16818	AA	GG	GG	INTERGENIC		
SNP_51833B_17146	scaffold577	NW_004516009.1	17146	GG	AA	AA	INTERGENIC		
SNP_51834B_22493	scaffold577	NW_004516009.1	22493	TT	CC	CC	INTERGENIC		
SNP_51835B_26858	scaffold577	NW_004516009.1	26858	CC	AA	AA	INTERGENIC		
SNP_51836B_41147	scaffold577	NW_004516009.1	41147	CC	TT	TT	INTERGENIC		
SNP_51837B_41660	scaffold577	NW_004516009.1	41660	CC	AA	AA	INTERGENIC		
SNP_51838B_41901	scaffold577	NW_004516009.1	41901	AA	GG	GG	INTERGENIC		
SNP_51839B_42120	scaffold577	NW_004516009.1	42120	AA	GG	GG	INTERGENIC		
SNP_51840B_42220	scaffold577	NW_004516009.1	42220	GG	AA	AA	INTERGENIC		
SNP_51841B_42253	scaffold577	NW_004516009.1	42253	GG	AA	AA	INTERGENIC		
SNP_51842B_56043	scaffold577	NW_004516009.1	56043	AA	TT	TT	INTERGENIC		
SNP_51843B_56054	scaffold577	NW_004516009.1	56054	GG	AA	AA	INTERGENIC		
SNP_51844B_56089	scaffold577	NW_004516009.1	56089	CC	AA	AA	INTERGENIC		
SNP_51845B_64924	scaffold577	NW_004516009.1	64924	CC	GG	GG	INTERGENIC		
SNP_51846B_64957	scaffold577	NW_004516009.1	64957	CC	GG	GG	INTERGENIC		
SNP_51847B_65037	scaffold577	NW_004516009.1	65037	AA	GG	GG	INTERGENIC		
SNP_51848B_65134	scaffold577	NW_004516009.1	65134	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51849B_65199	scaffold577	NW_004516009.1	65199	GG	AA	AA	INTERGENIC		
SNP_51850B_65434	scaffold577	NW_004516009.1	65434	CC	TT	TT	INTERGENIC		
SNP_51851B_65445	scaffold577	NW_004516009.1	65445	GG	CC	CC	INTERGENIC		
SNP_51852B_66005	scaffold577	NW_004516009.1	66005	AA	GG	GG	INTERGENIC		
SNP_51853B_69949	scaffold577	NW_004516009.1	69949	TT	CC	CC	INTERGENIC		
SNP_51854B_70293	scaffold577	NW_004516009.1	70293	AA	GG	GG	INTERGENIC		
SNP_51855B_71064	scaffold577	NW_004516009.1	71064	TT	GG	GG	INTERGENIC		
SNP_51856B_84386	scaffold577	NW_004516009.1	84386	GG	CC	CC	INTERGENIC		
SNP_51857B_106267	scaffold577	NW_004516009.1	106267	AA	TT	TT	INTERGENIC		
SNP_51858B_111830	scaffold577	NW_004516009.1	111830	TT	CC	CC	INTERGENIC		
SNP_51859B_111894	scaffold577	NW_004516009.1	111894	AA	GG	GG	INTERGENIC		
SNP_51860B_121615	scaffold577	NW_004516009.1	121615	AA	GG	GG	INTERGENIC		
SNP_51861B_7951	scaffold578	NW_004516010.1	7951	CC	GG	GG	INTERGENIC		
SNP_51862B_7959	scaffold578	NW_004516010.1	7959	AA	GG	GG	INTERGENIC		
SNP_51863B_8183	scaffold578	NW_004516010.1	8183	TT	AA	AA	INTERGENIC		
SNP_51864B_11607	scaffold578	NW_004516010.1	11607	GG	AA	AA	INTERGENIC		
SNP_51866B_11716	scaffold578	NW_004516010.1	11716	GG	CC	CC	INTERGENIC		
SNP_51867B_11747	scaffold578	NW_004516010.1	11747	TT	AA	AA	INTERGENIC		
SNP_51868B_11775	scaffold578	NW_004516010.1	11775	TT	GG	GG	INTERGENIC		
SNP_51869B_11924	scaffold578	NW_004516010.1	11924	CC	TT	TT	INTERGENIC		
SNP_51870B_19673	scaffold578	NW_004516010.1	19673	GG	CC	CC	INTERGENIC		
SNP_51871B_19761	scaffold578	NW_004516010.1	19761	GG	AA	AA	INTERGENIC		
SNP_51872B_19768	scaffold578	NW_004516010.1	19768	GG	CC	CC	INTERGENIC		
SNP_51873B_19783	scaffold578	NW_004516010.1	19783	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51874B_19922	scaffold578	NW_004516010.1	19922	CC	GG	GG	INTERGENIC		
SNP_51875B_19932	scaffold578	NW_004516010.1	19932	AA	CC	CC	INTERGENIC		
SNP_51876B_20112	scaffold578	NW_004516010.1	20112	GG	AA	AA	INTERGENIC		
SNP_51877B_20620	scaffold578	NW_004516010.1	20620	TT	AA	AA	INTERGENIC		
SNP_51878B_20923	scaffold578	NW_004516010.1	20923	CC	TT	TT	INTERGENIC		
SNP_51879B_20931	scaffold578	NW_004516010.1	20931	TT	GG	GG	INTERGENIC		
SNP_51880B_20945	scaffold578	NW_004516010.1	20945	AA	GG	GG	INTERGENIC		
SNP_51881B_20967	scaffold578	NW_004516010.1	20967	CC	GG	GG	INTERGENIC		
SNP_51882B_33482	scaffold578	NW_004516010.1	33482	TT	CC	CC	INTERGENIC		
SNP_51883B_33501	scaffold578	NW_004516010.1	33501	AA	GG	GG	INTERGENIC		
SNP_51884B_37252	scaffold578	NW_004516010.1	37252	TT	GG	GG	INTERGENIC		
SNP_51885B_37569	scaffold578	NW_004516010.1	37569	TT	CC	CC	INTERGENIC		
SNP_51886B_37887	scaffold578	NW_004516010.1	37887	CC	GG	GG	INTERGENIC		
SNP_51888B_53696	scaffold578	NW_004516010.1	53696	TT	CC	CC	INTERGENIC		
SNP_51889B_53706	scaffold578	NW_004516010.1	53706	GG	AA	AA	INTERGENIC		
SNP_51890B_63641	scaffold578	NW_004516010.1	63641	AA	GG	GG	INTERGENIC		
SNP_51891B_63670	scaffold578	NW_004516010.1	63670	TT	GG	GG	INTERGENIC		
SNP_51892B_63721	scaffold578	NW_004516010.1	63721	TT	AA	AA	INTERGENIC		
SNP_51893B_63897	scaffold578	NW_004516010.1	63897	AA	CC	CC	INTERGENIC		
SNP_51894B_63922	scaffold578	NW_004516010.1	63922	CC	AA	AA	INTERGENIC		
SNP_51895B_64324	scaffold578	NW_004516010.1	64324	GG	TT	TT	INTERGENIC		
SNP_51896B_1057	scaffold582	NW_004516012.1	1057	AA	TT	TT	INTERGENIC		
SNP_51897B_1150	scaffold582	NW_004516012.1	1150	AA	CC	CC	INTERGENIC		
SNP_51898B_1177	scaffold582	NW_004516012.1	1177	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51899B_13517	scaffold582	NW_004516012.1	13517	TT	CC	CC	INTERGENIC		
SNP_51900B_13556	scaffold582	NW_004516012.1	13556	GG	AA	AA	INTERGENIC		
SNP_51901B_16327	scaffold582	NW_004516012.1	16327	TT	CC	CC	INTERGENIC		
SNP_51902B_16347	scaffold582	NW_004516012.1	16347	AA	CC	CC	INTERGENIC		
SNP_51903B_24078	scaffold582	NW_004516012.1	24078	TT	GG	GG	INTERGENIC		
SNP_51904B_24185	scaffold582	NW_004516012.1	24185	GG	TT	TT	INTERGENIC		
SNP_51905B_24201	scaffold582	NW_004516012.1	24201	AA	GG	GG	INTERGENIC		
SNP_51906B_24937	scaffold582	NW_004516012.1	24937	AA	TT	TT	INTERGENIC		
SNP_51907B_24962	scaffold582	NW_004516012.1	24962	CC	AA	AA	INTERGENIC		
SNP_51908B_24965	scaffold582	NW_004516012.1	24965	GG	CC	CC	INTERGENIC		
SNP_51909B_25209	scaffold582	NW_004516012.1	25209	CC	TT	TT	INTERGENIC		
SNP_51910B_25212	scaffold582	NW_004516012.1	25212	AA	TT	TT	INTERGENIC		
SNP_51911B_29954	scaffold582	NW_004516012.1	29954	AA	GG	GG	INTERGENIC		
SNP_51912B_30387	scaffold582	NW_004516012.1	30387	CC	GG	GG	INTERGENIC		
SNP_51913B_30448	scaffold582	NW_004516012.1	30448	AA	CC	CC	INTERGENIC		
SNP_51914B_30515	scaffold582	NW_004516012.1	30515	CC	GG	GG	INTERGENIC		
SNP_51915B_30568	scaffold582	NW_004516012.1	30568	CC	TT	TT	INTERGENIC		
SNP_51916B_30690	scaffold582	NW_004516012.1	30690	AA	TT	TT	INTERGENIC		
SNP_51917B_377	scaffold583	NW_004516013.1	377	AA	GG	GG	INTERGENIC		
SNP_51918B_378	scaffold583	NW_004516013.1	378	AA	TT	TT	INTERGENIC		
SNP_51919B_472	scaffold583	NW_004516013.1	472	AA	CC	CC	INTERGENIC		
SNP_51920B_478	scaffold583	NW_004516013.1	478	CC	TT	TT	INTERGENIC		
SNP_51921B_566	scaffold583	NW_004516013.1	566	AA	GG	GG	INTERGENIC		
SNP_51922B_639	scaffold583	NW_004516013.1	639	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51923B_3878	scaffold583	NW_004516013.1	3878	CC	AA	AA	INTERGENIC		
SNP_51924B_4006	scaffold583	NW_004516013.1	4006	GG	AA	AA	INTERGENIC		
SNP_51925B_4069	scaffold583	NW_004516013.1	4069	GG	AA	AA	INTERGENIC		
SNP_51926B_4097	scaffold583	NW_004516013.1	4097	AA	GG	GG	INTERGENIC		
SNP_51927B_4168	scaffold583	NW_004516013.1	4168	AA	CC	CC	INTERGENIC		
SNP_51928B_4187	scaffold583	NW_004516013.1	4187	GG	AA	AA	INTERGENIC		
SNP_51929B_4302	scaffold583	NW_004516013.1	4302	TT	CC	CC	INTERGENIC		
SNP_51930B_4400	scaffold583	NW_004516013.1	4400	TT	CC	CC	INTERGENIC		
SNP_51931B_4458	scaffold583	NW_004516013.1	4458	AA	TT	TT	INTERGENIC		
SNP_51932B_11263	scaffold583	NW_004516013.1	11263	TT	CC	CC	INTERGENIC		
SNP_51933B_11289	scaffold583	NW_004516013.1	11289	GG	AA	AA	INTERGENIC		
SNP_51934B_11300	scaffold583	NW_004516013.1	11300	TT	CC	CC	INTERGENIC		
SNP_51935B_11302	scaffold583	NW_004516013.1	11302	AA	GG	GG	INTERGENIC		
SNP_51936B_11382	scaffold583	NW_004516013.1	11382	AA	GG	GG	INTERGENIC		
SNP_51937B_11390	scaffold583	NW_004516013.1	11390	CC	TT	TT	INTERGENIC		
SNP_51938B_11410	scaffold583	NW_004516013.1	11410	GG	AA	AA	INTERGENIC		
SNP_51939B_11465	scaffold583	NW_004516013.1	11465	CC	TT	TT	INTERGENIC		
SNP_51940B_11543	scaffold583	NW_004516013.1	11543	GG	AA	AA	INTERGENIC		
SNP_51941B_11814	scaffold583	NW_004516013.1	11814	TT	CC	CC	INTERGENIC		
SNP_51942B_12132	scaffold583	NW_004516013.1	12132	AA	TT	TT	INTERGENIC		
SNP_51943B_26301	scaffold583	NW_004516013.1	26301	GG	TT	TT	INTERGENIC		
SNP_51944B_26321	scaffold583	NW_004516013.1	26321	AA	GG	GG	INTERGENIC		
SNP_51945B_31156	scaffold583	NW_004516013.1	31156	GG	AA	AA	INTERGENIC		
SNP_51946B_45978	scaffold583	NW_004516013.1	45978	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51947B_46068	scaffold583	NW_004516013.1	46068	TT	CC	CC	INTERGENIC		
SNP_51948B_46086	scaffold583	NW_004516013.1	46086	CC	TT	TT	INTERGENIC		
SNP_51949B_46093	scaffold583	NW_004516013.1	46093	GG	CC	CC	INTERGENIC		
SNP_51950B_46105	scaffold583	NW_004516013.1	46105	CC	TT	TT	INTERGENIC		
SNP_51951B_46121	scaffold583	NW_004516013.1	46121	AA	TT	TT	INTERGENIC		
SNP_51952B_46360	scaffold583	NW_004516013.1	46360	AA	TT	TT	INTERGENIC		
SNP_51953B_46405	scaffold583	NW_004516013.1	46405	TT	AA	AA	INTERGENIC		
SNP_51954B_46457	scaffold583	NW_004516013.1	46457	TT	AA	AA	INTERGENIC		
SNP_51955B_72289	scaffold583	NW_004516013.1	72289	CC	TT	TT	INTERGENIC		
SNP_51956B_80974	scaffold583	NW_004516013.1	80974	GG	AA	AA	INTERGENIC		
SNP_51958B_94760	scaffold583	NW_004516013.1	94760	CC	TT	TT	INTERGENIC		
SNP_51959B_105765	scaffold583	NW_004516013.1	105765	GG	AA	AA	INTERGENIC		
SNP_51961B_105990	scaffold583	NW_004516013.1	105990	CC	TT	TT	INTERGENIC		
SNP_51962B_106183	scaffold583	NW_004516013.1	106183	AA	GG	GG	INTERGENIC		
SNP_51963B_106880	scaffold583	NW_004516013.1	106880	AA	GG	GG	INTERGENIC		
SNP_51965B_135407	scaffold583	NW_004516013.1	135407	AA	CC	CC	INTERGENIC		
SNP_51966B_136362	scaffold583	NW_004516013.1	136362	TT	AA	AA	INTERGENIC		
SNP_51967B_136369	scaffold583	NW_004516013.1	136369	GG	TT	TT	INTERGENIC		
SNP_51968B_136382	scaffold583	NW_004516013.1	136382	TT	CC	CC	INTERGENIC		
SNP_51969B_136470	scaffold583	NW_004516013.1	136470	TT	AA	AA	INTERGENIC		
SNP_51970B_136697	scaffold583	NW_004516013.1	136697	AA	GG	GG	INTERGENIC		
SNP_51971B_136761	scaffold583	NW_004516013.1	136761	TT	GG	GG	INTERGENIC		
SNP_51972B_136769	scaffold583	NW_004516013.1	136769	GG	AA	AA	INTERGENIC		
SNP_51973B_136787	scaffold583	NW_004516013.1	136787	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_51974B_136853	scaffold583	NW_004516013.1	136853	AA	GG	GG	INTERGENIC		
SNP_51975B_136870	scaffold583	NW_004516013.1	136870	GG	TT	TT	INTERGENIC		
SNP_51976B_168884	scaffold583	NW_004516013.1	168884	CC	GG	GG	INTERGENIC		
SNP_51977B_972	scaffold584	NW_004516014.1	972	AA	CC	CC	INTERGENIC		
SNP_51978B_993	scaffold584	NW_004516014.1	993	GG	CC	CC	INTERGENIC		
SNP_51979B_1011	scaffold584	NW_004516014.1	1011	GG	AA	AA	INTERGENIC		
SNP_51980B_5597	scaffold584	NW_004516014.1	5597	TT	CC	CC	INTERGENIC		
SNP_51981B_5810	scaffold584	NW_004516014.1	5810	TT	GG	GG	INTERGENIC		
SNP_51982B_7875	scaffold584	NW_004516014.1	7875	AA	GG	GG	INTERGENIC		
SNP_51983B_11792	scaffold584	NW_004516014.1	11792	AA	GG	GG	INTERGENIC		
SNP_51984B_12014	scaffold584	NW_004516014.1	12014	CC	AA	AA	INTERGENIC		
SNP_51985B_12030	scaffold584	NW_004516014.1	12030	GG	CC	CC	INTERGENIC		
SNP_51987B_12047	scaffold584	NW_004516014.1	12047	AA	GG	GG	INTERGENIC		
SNP_51988B_12102	scaffold584	NW_004516014.1	12102	GG	TT	TT	INTERGENIC		
SNP_51989B_12104	scaffold584	NW_004516014.1	12104	CC	TT	TT	INTERGENIC		
SNP_51990B_12144	scaffold584	NW_004516014.1	12144	AA	TT	TT	INTERGENIC		
SNP_51991B_12193	scaffold584	NW_004516014.1	12193	AA	GG	GG	INTERGENIC		
SNP_51992B_12257	scaffold584	NW_004516014.1	12257	CC	AA	AA	INTERGENIC		
SNP_51993B_12285	scaffold584	NW_004516014.1	12285	AA	GG	GG	INTERGENIC		
SNP_51994B_12289	scaffold584	NW_004516014.1	12289	CC	AA	AA	INTERGENIC		
SNP_51996B_82349	scaffold584	NW_004516014.1	82349	AA	TT	TT	INTERGENIC		
SNP_51997B_119767	scaffold584	NW_004516014.1	119767	AA	TT	TT	INTERGENIC		
SNP_51998B_120430	scaffold584	NW_004516014.1	120430	TT	CC	CC	INTERGENIC		
SNP_51999B_120469	scaffold584	NW_004516014.1	120469	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52000B_223883	scaffold584	NW_004516014.1	223883	TT	GG	GG	INTERGENIC		
SNP_52001B_223904	scaffold584	NW_004516014.1	223904	TT	CC	CC	INTERGENIC		
SNP_52002B_223913	scaffold584	NW_004516014.1	223913	TT	AA	AA	INTERGENIC		
SNP_52003B_223915	scaffold584	NW_004516014.1	223915	AA	GG	GG	INTERGENIC		
SNP_52004B_223936	scaffold584	NW_004516014.1	223936	CC	TT	TT	INTERGENIC		
SNP_52005B_224305	scaffold584	NW_004516014.1	224305	TT	CC	CC	INTERGENIC		
SNP_52006B_249436	scaffold584	NW_004516014.1	249436	TT	AA	AA	INTERGENIC		
SNP_52007B_266773	scaffold584	NW_004516014.1	266773	GG	TT	TT	INTERGENIC		
SNP_52008B_272857	scaffold584	NW_004516014.1	272857	TT	GG	GG	INTERGENIC		
SNP_52009B_296446	scaffold584	NW_004516014.1	296446	AA	TT	TT	INTERGENIC		
SNP_52010B_330045	scaffold584	NW_004516014.1	330045	GG	AA	AA	INTERGENIC		
SNP_52011B_330048	scaffold584	NW_004516014.1	330048	GG	AA	AA	INTERGENIC		
SNP_52012B_330050	scaffold584	NW_004516014.1	330050	GG	AA	AA	INTERGENIC		
SNP_52013B_332703	scaffold584	NW_004516014.1	332703	TT	GG	GG	INTERGENIC		
SNP_52014B_332964	scaffold584	NW_004516014.1	332964	GG	AA	AA	INTERGENIC		
SNP_52015B_5032	scaffold586	NW_004516016.1	5032	TT	AA	AA	INTERGENIC		
SNP_52016B_6844	scaffold586	NW_004516016.1	6844	TT	GG	GG	INTERGENIC		
SNP_52017B_6940	scaffold586	NW_004516016.1	6940	AA	GG	GG	INTERGENIC		
SNP_52018B_6941	scaffold586	NW_004516016.1	6941	GG	TT	TT	INTERGENIC		
SNP_52019B_7144	scaffold586	NW_004516016.1	7144	CC	TT	TT	INTERGENIC		
SNP_52020B_7259	scaffold586	NW_004516016.1	7259	GG	TT	TT	INTERGENIC		
SNP_52021B_7264	scaffold586	NW_004516016.1	7264	GG	AA	AA	INTERGENIC		
SNP_52022B_7327	scaffold586	NW_004516016.1	7327	CC	GG	GG	INTERGENIC		
SNP_52023B_7356	scaffold586	NW_004516016.1	7356	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52024B_7422	scaffold586	NW_004516016.1	7422	GG	AA	AA	INTERGENIC		
SNP_52025B_7624	scaffold586	NW_004516016.1	7624	TT	AA	AA	INTERGENIC		
SNP_52026B_7693	scaffold586	NW_004516016.1	7693	CC	GG	GG	INTERGENIC		
SNP_52027B_7700	scaffold586	NW_004516016.1	7700	GG	CC	CC	INTERGENIC		
SNP_52028B_7707	scaffold586	NW_004516016.1	7707	TT	CC	CC	INTERGENIC		
SNP_52029B_7709	scaffold586	NW_004516016.1	7709	AA	CC	CC	INTERGENIC		
SNP_52030B_7749	scaffold586	NW_004516016.1	7749	AA	GG	GG	INTERGENIC		
SNP_52031B_7792	scaffold586	NW_004516016.1	7792	GG	AA	AA	INTERGENIC		
SNP_52032B_7801	scaffold586	NW_004516016.1	7801	TT	AA	AA	INTERGENIC		
SNP_52033B_20696	scaffold586	NW_004516016.1	20696	AA	GG	GG	INTERGENIC		
SNP_52034B_21757	scaffold586	NW_004516016.1	21757	CC	TT	TT	INTERGENIC		
SNP_52035B_21904	scaffold586	NW_004516016.1	21904	CC	TT	TT	INTERGENIC		
SNP_52036B_21967	scaffold586	NW_004516016.1	21967	GG	AA	AA	INTERGENIC		
SNP_52037B_21976	scaffold586	NW_004516016.1	21976	GG	AA	AA	INTERGENIC		
SNP_52038B_21981	scaffold586	NW_004516016.1	21981	TT	AA	AA	INTERGENIC		
SNP_52039B_22210	scaffold586	NW_004516016.1	22210	AA	GG	GG	INTERGENIC		
SNP_52040B_22320	scaffold586	NW_004516016.1	22320	TT	CC	CC	INTERGENIC		
SNP_52041B_22324	scaffold586	NW_004516016.1	22324	TT	CC	CC	INTERGENIC		
SNP_52042B_22848	scaffold586	NW_004516016.1	22848	GG	AA	AA	INTERGENIC		
SNP_52043B_22922	scaffold586	NW_004516016.1	22922	TT	GG	GG	INTERGENIC		
SNP_52044B_23007	scaffold586	NW_004516016.1	23007	CC	TT	TT	INTERGENIC		
SNP_52045B_23468	scaffold586	NW_004516016.1	23468	CC	GG	GG	INTERGENIC		
SNP_52046B_23615	scaffold586	NW_004516016.1	23615	CC	AA	AA	INTERGENIC		
SNP_52047B_738	scaffold587	NW_004516017.1	738	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52048B_815	scaffold587	NW_004516017.1	815	GG	AA	AA	INTERGENIC		
SNP_52049B_979	scaffold587	NW_004516017.1	979	AA	GG	GG	INTERGENIC		
SNP_52050B_4222	scaffold587	NW_004516017.1	4222	AA	TT	TT	INTERGENIC		
SNP_52051B_4454	scaffold587	NW_004516017.1	4454	AA	GG	GG	INTERGENIC		
SNP_52052B_4573	scaffold587	NW_004516017.1	4573	TT	CC	CC	INTERGENIC		
SNP_52053B_4576	scaffold587	NW_004516017.1	4576	TT	AA	AA	INTERGENIC		
SNP_52054B_4850	scaffold587	NW_004516017.1	4850	TT	CC	CC	INTERGENIC		
SNP_52055B_5049	scaffold587	NW_004516017.1	5049	AA	GG	GG	INTERGENIC		
SNP_52056B_5119	scaffold587	NW_004516017.1	5119	AA	GG	GG	INTERGENIC		
SNP_52057B_5226	scaffold587	NW_004516017.1	5226	AA	GG	GG	INTERGENIC		
SNP_52058B_5244	scaffold587	NW_004516017.1	5244	TT	AA	AA	INTERGENIC		
SNP_52059B_5304	scaffold587	NW_004516017.1	5304	GG	AA	AA	INTERGENIC		
SNP_52060B_5325	scaffold587	NW_004516017.1	5325	AA	GG	GG	INTERGENIC		
SNP_52061B_6825	scaffold587	NW_004516017.1	6825	CC	GG	GG	INTERGENIC		
SNP_52062B_6839	scaffold587	NW_004516017.1	6839	GG	AA	AA	INTERGENIC		
SNP_52064B_7630	scaffold587	NW_004516017.1	7630	AA	TT	TT	INTERGENIC		
SNP_52065B_8069	scaffold587	NW_004516017.1	8069	TT	AA	AA	INTERGENIC		
SNP_52066B_8111	scaffold587	NW_004516017.1	8111	AA	TT	TT	INTERGENIC		
SNP_52067B_8173	scaffold587	NW_004516017.1	8173	CC	AA	AA	INTERGENIC		
SNP_52068B_9032	scaffold587	NW_004516017.1	9032	AA	TT	TT	INTERGENIC		
SNP_52069B_9034	scaffold587	NW_004516017.1	9034	AA	CC	CC	INTERGENIC		
SNP_52070B_9077	scaffold587	NW_004516017.1	9077	AA	GG	GG	INTERGENIC		
SNP_52071B_9078	scaffold587	NW_004516017.1	9078	GG	TT	TT	INTERGENIC		
SNP_52072B_9099	scaffold587	NW_004516017.1	9099	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52073B_9122	scaffold587	NW_004516017.1	9122	AA	GG	GG	INTERGENIC		
SNP_52074B_9126	scaffold587	NW_004516017.1	9126	GG	AA	AA	INTERGENIC		
SNP_52075B_9137	scaffold587	NW_004516017.1	9137	GG	TT	TT	INTERGENIC		
SNP_52076B_9140	scaffold587	NW_004516017.1	9140	TT	GG	GG	INTERGENIC		
SNP_52077B_9352	scaffold587	NW_004516017.1	9352	TT	CC	CC	INTERGENIC		
SNP_52078B_9749	scaffold587	NW_004516017.1	9749	TT	AA	AA	INTERGENIC		
SNP_52079B_10103	scaffold587	NW_004516017.1	10103	GG	AA	AA	INTERGENIC		
SNP_52080B_10106	scaffold587	NW_004516017.1	10106	CC	AA	AA	INTERGENIC		
SNP_52081B_10266	scaffold587	NW_004516017.1	10266	TT	CC	CC	INTERGENIC		
SNP_52082B_10286	scaffold587	NW_004516017.1	10286	GG	AA	AA	INTERGENIC		
SNP_52083B_10330	scaffold587	NW_004516017.1	10330	AA	CC	CC	INTERGENIC		
SNP_52084B_10652	scaffold587	NW_004516017.1	10652	AA	CC	CC	INTERGENIC		
SNP_52085B_10665	scaffold587	NW_004516017.1	10665	AA	GG	GG	INTERGENIC		
SNP_52086B_10677	scaffold587	NW_004516017.1	10677	TT	AA	AA	INTERGENIC		
SNP_52087B_10956	scaffold587	NW_004516017.1	10956	CC	TT	TT	INTERGENIC		
SNP_52088B_10998	scaffold587	NW_004516017.1	10998	TT	CC	CC	INTERGENIC		
SNP_52089B_13173	scaffold587	NW_004516017.1	13173	GG	TT	TT	INTERGENIC		
SNP_52090B_13487	scaffold587	NW_004516017.1	13487	AA	GG	GG	INTERGENIC		
SNP_52091B_13539	scaffold587	NW_004516017.1	13539	TT	GG	GG	INTERGENIC		
SNP_52092B_13589	scaffold587	NW_004516017.1	13589	AA	CC	CC	INTERGENIC		
SNP_52093B_13949	scaffold587	NW_004516017.1	13949	TT	AA	AA	INTERGENIC		
SNP_52094B_15050	scaffold587	NW_004516017.1	15050	TT	AA	AA	INTERGENIC		
SNP_52095B_15223	scaffold587	NW_004516017.1	15223	AA	CC	CC	INTERGENIC		
SNP_52096B_15224	scaffold587	NW_004516017.1	15224	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52097B_15232	scaffold587	NW_004516017.1	15232	GG	TT	TT	INTERGENIC		
SNP_52099B_15431	scaffold587	NW_004516017.1	15431	AA	CC	CC	INTERGENIC		
SNP_52100B_15797	scaffold587	NW_004516017.1	15797	CC	TT	TT	INTERGENIC		
SNP_52101B_16027	scaffold587	NW_004516017.1	16027	CC	GG	GG	INTERGENIC		
SNP_52102B_16091	scaffold587	NW_004516017.1	16091	GG	AA	AA	INTERGENIC		
SNP_52103B_16096	scaffold587	NW_004516017.1	16096	TT	CC	CC	INTERGENIC		
SNP_52104B_16143	scaffold587	NW_004516017.1	16143	TT	GG	GG	INTERGENIC		
SNP_52105B_16218	scaffold587	NW_004516017.1	16218	TT	CC	CC	INTERGENIC		
SNP_52106B_16227	scaffold587	NW_004516017.1	16227	AA	GG	GG	INTERGENIC		
SNP_52107B_16290	scaffold587	NW_004516017.1	16290	CC	AA	AA	INTERGENIC		
SNP_52108B_16362	scaffold587	NW_004516017.1	16362	AA	CC	CC	INTERGENIC		
SNP_52109B_16495	scaffold587	NW_004516017.1	16495	CC	GG	GG	INTERGENIC		
SNP_52110B_16525	scaffold587	NW_004516017.1	16525	AA	CC	CC	INTERGENIC		
SNP_52111B_16662	scaffold587	NW_004516017.1	16662	TT	CC	CC	INTERGENIC		
SNP_52112B_16754	scaffold587	NW_004516017.1	16754	TT	AA	AA	INTERGENIC		
SNP_52113B_16766	scaffold587	NW_004516017.1	16766	TT	CC	CC	INTERGENIC		
SNP_52114B_17131	scaffold587	NW_004516017.1	17131	TT	CC	CC	INTERGENIC		
SNP_52115B_17150	scaffold587	NW_004516017.1	17150	CC	TT	TT	INTERGENIC		
SNP_52117B_17249	scaffold587	NW_004516017.1	17249	CC	TT	TT	INTERGENIC		
SNP_52118B_17334	scaffold587	NW_004516017.1	17334	GG	TT	TT	INTERGENIC		
SNP_52119B_17462	scaffold587	NW_004516017.1	17462	CC	TT	TT	INTERGENIC		
SNP_52120B_17515	scaffold587	NW_004516017.1	17515	GG	AA	AA	INTERGENIC		
SNP_52121B_17537	scaffold587	NW_004516017.1	17537	TT	GG	GG	INTERGENIC		
SNP_52122B_17570	scaffold587	NW_004516017.1	17570	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52123B_17591	scaffold587	NW_004516017.1	17591	CC	TT	TT	INTERGENIC		
SNP_52124B_17603	scaffold587	NW_004516017.1	17603	CC	TT	TT	INTERGENIC		
SNP_52125B_17625	scaffold587	NW_004516017.1	17625	AA	GG	GG	INTERGENIC		
SNP_52126B_17965	scaffold587	NW_004516017.1	17965	CC	GG	GG	INTERGENIC		
SNP_52127B_18045	scaffold587	NW_004516017.1	18045	GG	TT	TT	INTERGENIC		
SNP_52128B_18046	scaffold587	NW_004516017.1	18046	AA	GG	GG	INTERGENIC		
SNP_52130B_19638	scaffold587	NW_004516017.1	19638	AA	CC	CC	INTERGENIC		
SNP_52131B_19641	scaffold587	NW_004516017.1	19641	AA	TT	TT	INTERGENIC		
SNP_52132B_19702	scaffold587	NW_004516017.1	19702	TT	CC	CC	INTERGENIC		
SNP_52133B_19755	scaffold587	NW_004516017.1	19755	CC	TT	TT	INTERGENIC		
SNP_52134B_19757	scaffold587	NW_004516017.1	19757	AA	GG	GG	INTERGENIC		
SNP_52135B_19841	scaffold587	NW_004516017.1	19841	AA	GG	GG	INTERGENIC		
SNP_52136B_19854	scaffold587	NW_004516017.1	19854	GG	AA	AA	INTERGENIC		
SNP_52137B_19868	scaffold587	NW_004516017.1	19868	CC	AA	AA	INTERGENIC		
SNP_52138B_19869	scaffold587	NW_004516017.1	19869	AA	CC	CC	INTERGENIC		
SNP_52139B_19930	scaffold587	NW_004516017.1	19930	TT	GG	GG	INTERGENIC		
SNP_52140B_22430	scaffold587	NW_004516017.1	22430	GG	TT	TT	INTERGENIC		
SNP_52141B_22442	scaffold587	NW_004516017.1	22442	GG	AA	AA	INTERGENIC		
SNP_52142B_22486	scaffold587	NW_004516017.1	22486	CC	TT	TT	INTERGENIC		
SNP_52143B_22508	scaffold587	NW_004516017.1	22508	AA	TT	TT	INTERGENIC		
SNP_52144B_22544	scaffold587	NW_004516017.1	22544	CC	TT	TT	INTERGENIC		
SNP_52145B_22611	scaffold587	NW_004516017.1	22611	AA	GG	GG	INTERGENIC		
SNP_52146B_22699	scaffold587	NW_004516017.1	22699	TT	GG	GG	INTERGENIC		
SNP_52147B_22718	scaffold587	NW_004516017.1	22718	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52148B_22726	scaffold587	NW_004516017.1	22726	AA	GG	GG	INTERGENIC		
SNP_52149B_22821	scaffold587	NW_004516017.1	22821	GG	AA	AA	INTERGENIC		
SNP_52150B_22837	scaffold587	NW_004516017.1	22837	CC	TT	TT	INTERGENIC		
SNP_52151B_22934	scaffold587	NW_004516017.1	22934	GG	AA	AA	INTERGENIC		
SNP_52152B_27767	scaffold587	NW_004516017.1	27767	AA	GG	GG	INTERGENIC		
SNP_52153B_27868	scaffold587	NW_004516017.1	27868	GG	AA	AA	INTERGENIC		
SNP_52154B_28052	scaffold587	NW_004516017.1	28052	AA	CC	CC	INTERGENIC		
SNP_52155B_28611	scaffold587	NW_004516017.1	28611	AA	GG	GG	INTERGENIC		
SNP_52156B_29465	scaffold587	NW_004516017.1	29465	AA	GG	GG	INTERGENIC		
SNP_52157B_29489	scaffold587	NW_004516017.1	29489	AA	GG	GG	INTERGENIC		
SNP_52158B_30915	scaffold587	NW_004516017.1	30915	GG	CC	CC	INTERGENIC		
SNP_52159B_30994	scaffold587	NW_004516017.1	30994	CC	GG	GG	INTERGENIC		
SNP_52160B_31024	scaffold587	NW_004516017.1	31024	AA	GG	GG	INTERGENIC		
SNP_52161B_31073	scaffold587	NW_004516017.1	31073	CC	TT	TT	INTERGENIC		
SNP_52162B_31637	scaffold587	NW_004516017.1	31637	AA	TT	TT	INTERGENIC		
SNP_52163B_31669	scaffold587	NW_004516017.1	31669	AA	CC	CC	INTERGENIC		
SNP_52164B_31828	scaffold587	NW_004516017.1	31828	AA	TT	TT	INTERGENIC		
SNP_52165B_31874	scaffold587	NW_004516017.1	31874	AA	GG	GG	INTERGENIC		
SNP_52166B_31885	scaffold587	NW_004516017.1	31885	CC	TT	TT	INTERGENIC		
SNP_52167B_31894	scaffold587	NW_004516017.1	31894	CC	GG	GG	INTERGENIC		
SNP_52168B_31972	scaffold587	NW_004516017.1	31972	TT	GG	GG	INTERGENIC		
SNP_52169B_32018	scaffold587	NW_004516017.1	32018	TT	CC	CC	INTERGENIC		
SNP_52170B_32062	scaffold587	NW_004516017.1	32062	TT	CC	CC	INTERGENIC		
SNP_52171B_34659	scaffold587	NW_004516017.1	34659	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52172B_34994	scaffold587	NW_004516017.1	34994	TT	CC	CC	INTERGENIC		
SNP_52173B_35064	scaffold587	NW_004516017.1	35064	TT	CC	CC	INTERGENIC		
SNP_52175B_35309	scaffold587	NW_004516017.1	35309	CC	GG	GG	INTERGENIC		
SNP_52176B_35401	scaffold587	NW_004516017.1	35401	TT	GG	GG	INTERGENIC		
SNP_52177B_35403	scaffold587	NW_004516017.1	35403	TT	GG	GG	INTERGENIC		
SNP_52178B_36276	scaffold587	NW_004516017.1	36276	AA	TT	TT	INTERGENIC		
SNP_52179B_36290	scaffold587	NW_004516017.1	36290	CC	AA	AA	INTERGENIC		
SNP_52180B_36549	scaffold587	NW_004516017.1	36549	TT	CC	CC	INTERGENIC		
SNP_52181B_36854	scaffold587	NW_004516017.1	36854	GG	AA	AA	INTERGENIC		
SNP_52182B_36904	scaffold587	NW_004516017.1	36904	AA	GG	GG	INTERGENIC		
SNP_52183B_37301	scaffold587	NW_004516017.1	37301	TT	AA	AA	INTERGENIC		
SNP_52184B_38683	scaffold587	NW_004516017.1	38683	AA	GG	GG	INTERGENIC		
SNP_52185B_38703	scaffold587	NW_004516017.1	38703	TT	GG	GG	INTERGENIC		
SNP_52186B_38935	scaffold587	NW_004516017.1	38935	AA	GG	GG	INTERGENIC		
SNP_52187B_40532	scaffold587	NW_004516017.1	40532	CC	GG	GG	INTERGENIC		
SNP_52188B_40712	scaffold587	NW_004516017.1	40712	AA	CC	CC	INTERGENIC		
SNP_52189B_40813	scaffold587	NW_004516017.1	40813	TT	CC	CC	INTERGENIC		
SNP_52190B_40836	scaffold587	NW_004516017.1	40836	AA	GG	GG	INTERGENIC		
SNP_52191B_40990	scaffold587	NW_004516017.1	40990	GG	TT	TT	INTERGENIC		
SNP_52192B_41073	scaffold587	NW_004516017.1	41073	AA	GG	GG	INTERGENIC		
SNP_52193B_41177	scaffold587	NW_004516017.1	41177	AA	GG	GG	INTERGENIC		
SNP_52194B_41214	scaffold587	NW_004516017.1	41214	CC	TT	TT	INTERGENIC		
SNP_52195B_41215	scaffold587	NW_004516017.1	41215	GG	AA	AA	INTERGENIC		
SNP_52196B_41221	scaffold587	NW_004516017.1	41221	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52197B_41277	scaffold587	NW_004516017.1	41277	AA	GG	GG	INTERGENIC		
SNP_52198B_41294	scaffold587	NW_004516017.1	41294	TT	CC	CC	INTERGENIC		
SNP_52199B_41617	scaffold587	NW_004516017.1	41617	AA	GG	GG	INTERGENIC		
SNP_52200B_41967	scaffold587	NW_004516017.1	41967	AA	TT	TT	INTERGENIC		
SNP_52201B_41973	scaffold587	NW_004516017.1	41973	AA	TT	TT	INTERGENIC		
SNP_52202B_43021	scaffold587	NW_004516017.1	43021	CC	TT	TT	INTERGENIC		
SNP_52203B_45288	scaffold587	NW_004516017.1	45288	TT	AA	AA	INTERGENIC		
SNP_52204B_45303	scaffold587	NW_004516017.1	45303	AA	GG	GG	INTERGENIC		
SNP_52205B_45663	scaffold587	NW_004516017.1	45663	GG	TT	TT	INTERGENIC		
SNP_52206B_46881	scaffold587	NW_004516017.1	46881	AA	CC	CC	INTERGENIC		
SNP_52207B_47166	scaffold587	NW_004516017.1	47166	CC	TT	TT	INTERGENIC		
SNP_52208B_47168	scaffold587	NW_004516017.1	47168	CC	TT	TT	INTERGENIC		
SNP_52209B_47234	scaffold587	NW_004516017.1	47234	TT	CC	CC	INTERGENIC		
SNP_52210B_47277	scaffold587	NW_004516017.1	47277	AA	GG	GG	INTERGENIC		
SNP_52211B_47295	scaffold587	NW_004516017.1	47295	CC	AA	AA	INTERGENIC		
SNP_52212B_47306	scaffold587	NW_004516017.1	47306	TT	CC	CC	INTERGENIC		
SNP_52213B_47321	scaffold587	NW_004516017.1	47321	TT	CC	CC	INTERGENIC		
SNP_52214B_47325	scaffold587	NW_004516017.1	47325	TT	GG	GG	INTERGENIC		
SNP_52215B_47339	scaffold587	NW_004516017.1	47339	AA	CC	CC	INTERGENIC		
SNP_52216B_47340	scaffold587	NW_004516017.1	47340	TT	CC	CC	INTERGENIC		
SNP_52217B_47364	scaffold587	NW_004516017.1	47364	AA	GG	GG	INTERGENIC		
SNP_52218B_47569	scaffold587	NW_004516017.1	47569	AA	GG	GG	INTERGENIC		
SNP_52219B_47666	scaffold587	NW_004516017.1	47666	TT	AA	AA	INTERGENIC		
SNP_52220B_48604	scaffold587	NW_004516017.1	48604	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52221B_48852	scaffold587	NW_004516017.1	48852	AA	GG	GG	INTERGENIC		
SNP_52222B_48865	scaffold587	NW_004516017.1	48865	AA	TT	TT	INTERGENIC		
SNP_52223B_49049	scaffold587	NW_004516017.1	49049	AA	GG	GG	INTERGENIC		
SNP_52224B_49341	scaffold587	NW_004516017.1	49341	CC	TT	TT	INTERGENIC		
SNP_52225B_49368	scaffold587	NW_004516017.1	49368	AA	GG	GG	INTERGENIC		
SNP_52226B_49564	scaffold587	NW_004516017.1	49564	GG	AA	AA	INTERGENIC		
SNP_52227B_50467	scaffold587	NW_004516017.1	50467	TT	GG	GG	INTERGENIC		
SNP_52228B_50507	scaffold587	NW_004516017.1	50507	TT	GG	GG	INTERGENIC		
SNP_52229B_50512	scaffold587	NW_004516017.1	50512	GG	AA	AA	INTERGENIC		
SNP_52230B_50529	scaffold587	NW_004516017.1	50529	AA	TT	TT	INTERGENIC		
SNP_52231B_50530	scaffold587	NW_004516017.1	50530	AA	TT	TT	INTERGENIC		
SNP_52232B_50590	scaffold587	NW_004516017.1	50590	GG	AA	AA	INTERGENIC		
SNP_52233B_50673	scaffold587	NW_004516017.1	50673	AA	GG	GG	INTERGENIC		
SNP_52234B_50710	scaffold587	NW_004516017.1	50710	AA	GG	GG	INTERGENIC		
SNP_52235B_50760	scaffold587	NW_004516017.1	50760	AA	GG	GG	INTERGENIC		
SNP_52236B_50763	scaffold587	NW_004516017.1	50763	GG	AA	AA	INTERGENIC		
SNP_52237B_50771	scaffold587	NW_004516017.1	50771	GG	AA	AA	INTERGENIC		
SNP_52239B_50913	scaffold587	NW_004516017.1	50913	CC	TT	TT	INTERGENIC		
SNP_52240B_50929	scaffold587	NW_004516017.1	50929	TT	GG	GG	INTERGENIC		
SNP_52241B_50966	scaffold587	NW_004516017.1	50966	CC	TT	TT	INTERGENIC		
SNP_52242B_50984	scaffold587	NW_004516017.1	50984	AA	GG	GG	INTERGENIC		
SNP_52244B_51095	scaffold587	NW_004516017.1	51095	AA	GG	GG	INTERGENIC		
SNP_52245B_51151	scaffold587	NW_004516017.1	51151	AA	GG	GG	INTERGENIC		
SNP_52246B_51181	scaffold587	NW_004516017.1	51181	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52247B_51213	scaffold587	NW_004516017.1	51213	GG	AA	AA	INTERGENIC		
SNP_52248B_51258	scaffold587	NW_004516017.1	51258	AA	GG	GG	INTERGENIC		
SNP_52249B_52638	scaffold587	NW_004516017.1	52638	GG	AA	AA	INTERGENIC		
SNP_52250B_52660	scaffold587	NW_004516017.1	52660	AA	GG	GG	INTERGENIC		
SNP_52251B_52735	scaffold587	NW_004516017.1	52735	AA	GG	GG	INTERGENIC		
SNP_52252B_52871	scaffold587	NW_004516017.1	52871	CC	TT	TT	INTERGENIC		
SNP_52253B_53010	scaffold587	NW_004516017.1	53010	TT	CC	CC	INTERGENIC		
SNP_52255B_53152	scaffold587	NW_004516017.1	53152	CC	TT	TT	INTERGENIC		
SNP_52256B_53581	scaffold587	NW_004516017.1	53581	AA	GG	GG	INTERGENIC		
SNP_52257B_53585	scaffold587	NW_004516017.1	53585	CC	TT	TT	INTERGENIC		
SNP_52258B_53587	scaffold587	NW_004516017.1	53587	AA	GG	GG	INTERGENIC		
SNP_52259B_53589	scaffold587	NW_004516017.1	53589	AA	CC	CC	INTERGENIC		
SNP_52260B_53624	scaffold587	NW_004516017.1	53624	AA	CC	CC	INTERGENIC		
SNP_52261B_53664	scaffold587	NW_004516017.1	53664	CC	TT	TT	INTERGENIC		
SNP_52262B_53669	scaffold587	NW_004516017.1	53669	AA	GG	GG	INTERGENIC		
SNP_52263B_53705	scaffold587	NW_004516017.1	53705	GG	AA	AA	INTERGENIC		
SNP_52265B_53968	scaffold587	NW_004516017.1	53968	AA	GG	GG	INTERGENIC		
SNP_52266B_54311	scaffold587	NW_004516017.1	54311	GG	TT	TT	INTERGENIC		
SNP_52267B_54330	scaffold587	NW_004516017.1	54330	CC	TT	TT	INTERGENIC		
SNP_52268B_54331	scaffold587	NW_004516017.1	54331	TT	CC	CC	INTERGENIC		
SNP_52269B_54359	scaffold587	NW_004516017.1	54359	AA	GG	GG	INTERGENIC		
SNP_52270B_54594	scaffold587	NW_004516017.1	54594	AA	GG	GG	INTERGENIC		
SNP_52271B_54635	scaffold587	NW_004516017.1	54635	TT	CC	CC	INTERGENIC		
SNP_52272B_54685	scaffold587	NW_004516017.1	54685	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52274B_54955	scaffold587	NW_004516017.1	54955	AA	TT	TT	INTERGENIC		
SNP_52275B_55015	scaffold587	NW_004516017.1	55015	GG	AA	AA	INTERGENIC		
SNP_52276B_55223	scaffold587	NW_004516017.1	55223	GG	TT	TT	INTERGENIC		
SNP_52277B_55260	scaffold587	NW_004516017.1	55260	GG	AA	AA	INTERGENIC		
SNP_52278B_55435	scaffold587	NW_004516017.1	55435	GG	TT	TT	INTERGENIC		
SNP_52281B_55645	scaffold587	NW_004516017.1	55645	TT	GG	GG	INTERGENIC		
SNP_52282B_55671	scaffold587	NW_004516017.1	55671	CC	TT	TT	INTERGENIC		
SNP_52283B_55747	scaffold587	NW_004516017.1	55747	CC	TT	TT	INTERGENIC		
SNP_52284B_55963	scaffold587	NW_004516017.1	55963	AA	GG	GG	INTERGENIC		
SNP_52285B_56042	scaffold587	NW_004516017.1	56042	GG	AA	AA	INTERGENIC		
SNP_52287B_61439	scaffold587	NW_004516017.1	61439	AA	TT	TT	INTERGENIC		
SNP_52288B_70337	scaffold587	NW_004516017.1	70337	GG	CC	CC	INTERGENIC		
SNP_52289B_70386	scaffold587	NW_004516017.1	70386	GG	TT	TT	INTERGENIC		
SNP_52290B_70522	scaffold587	NW_004516017.1	70522	GG	AA	AA	INTERGENIC		
SNP_52291B_70658	scaffold587	NW_004516017.1	70658	CC	GG	GG	INTERGENIC		
SNP_52292B_70978	scaffold587	NW_004516017.1	70978	AA	GG	GG	INTERGENIC		
SNP_52293B_13809	scaffold588	NW_004516018.1	13809	AA	TT	TT	INTERGENIC		
SNP_52294B_14337	scaffold588	NW_004516018.1	14337	AA	GG	GG	INTERGENIC		
SNP_52295B_14354	scaffold588	NW_004516018.1	14354	GG	AA	AA	INTERGENIC		
SNP_52296B_14415	scaffold588	NW_004516018.1	14415	CC	TT	TT	INTERGENIC		
SNP_52297B_14436	scaffold588	NW_004516018.1	14436	CC	GG	GG	INTERGENIC		
SNP_52298B_14474	scaffold588	NW_004516018.1	14474	TT	CC	CC	INTERGENIC		
SNP_52299B_14482	scaffold588	NW_004516018.1	14482	TT	GG	GG	INTERGENIC		
SNP_52300B_14581	scaffold588	NW_004516018.1	14581	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52301B_49029	scaffold589	NW_004516019.1	49029	CC	TT	TT	INTERGENIC		
SNP_52302B_49031	scaffold589	NW_004516019.1	49031	TT	GG	GG	INTERGENIC		
SNP_52303B_49112	scaffold589	NW_004516019.1	49112	TT	CC	CC	INTERGENIC		
SNP_52304B_49185	scaffold589	NW_004516019.1	49185	CC	TT	TT	INTERGENIC		
SNP_52305B_49197	scaffold589	NW_004516019.1	49197	AA	GG	GG	INTERGENIC		
SNP_52306B_49238	scaffold589	NW_004516019.1	49238	GG	AA	AA	INTERGENIC		
SNP_52307B_49241	scaffold589	NW_004516019.1	49241	AA	CC	CC	INTERGENIC		
SNP_52308B_49302	scaffold589	NW_004516019.1	49302	AA	TT	TT	INTERGENIC		
SNP_52309B_49414	scaffold589	NW_004516019.1	49414	AA	TT	TT	INTERGENIC		
SNP_52310B_49439	scaffold589	NW_004516019.1	49439	TT	CC	CC	INTERGENIC		
SNP_52311B_65410	scaffold589	NW_004516019.1	65410	CC	TT	TT	INTERGENIC		
SNP_52312B_65417	scaffold589	NW_004516019.1	65417	CC	TT	TT	INTERGENIC		
SNP_52313B_65440	scaffold589	NW_004516019.1	65440	CC	TT	TT	INTERGENIC		
SNP_52314B_65442	scaffold589	NW_004516019.1	65442	TT	AA	AA	INTERGENIC		
SNP_52315B_65567	scaffold589	NW_004516019.1	65567	AA	GG	GG	INTERGENIC		
SNP_52316B_80222	scaffold589	NW_004516019.1	80222	AA	GG	GG	INTERGENIC		
SNP_52317B_80228	scaffold589	NW_004516019.1	80228	AA	GG	GG	INTERGENIC		
SNP_52318B_80251	scaffold589	NW_004516019.1	80251	TT	CC	CC	INTERGENIC		
SNP_52319B_80395	scaffold589	NW_004516019.1	80395	GG	AA	AA	INTERGENIC		
SNP_52320B_82684	scaffold589	NW_004516019.1	82684	TT	CC	CC	INTERGENIC		
SNP_52321B_83283	scaffold589	NW_004516019.1	83283	AA	GG	GG	INTERGENIC		
SNP_52322B_83474	scaffold589	NW_004516019.1	83474	TT	CC	CC	INTERGENIC		
SNP_52324B_83500	scaffold589	NW_004516019.1	83500	AA	GG	GG	INTERGENIC		
SNP_52325B_83551	scaffold589	NW_004516019.1	83551	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52326B_83554	scaffold589	NW_004516019.1	83554	TT	CC	CC	INTERGENIC		
SNP_52327B_83566	scaffold589	NW_004516019.1	83566	TT	CC	CC	INTERGENIC		
SNP_52328B_83599	scaffold589	NW_004516019.1	83599	CC	TT	TT	INTERGENIC		
SNP_52329B_83602	scaffold589	NW_004516019.1	83602	AA	CC	CC	INTERGENIC		
SNP_52330B_83640	scaffold589	NW_004516019.1	83640	AA	CC	CC	INTERGENIC		
SNP_52331B_83665	scaffold589	NW_004516019.1	83665	TT	AA	AA	INTERGENIC		
SNP_52332B_100814	scaffold589	NW_004516019.1	100814	AA	CC	CC	INTERGENIC		
SNP_52333B_100827	scaffold589	NW_004516019.1	100827	GG	TT	TT	INTERGENIC		
SNP_52334B_100831	scaffold589	NW_004516019.1	100831	CC	TT	TT	INTERGENIC		
SNP_52335B_116530	scaffold589	NW_004516019.1	116530	CC	AA	AA	INTERGENIC		
SNP_52336B_116649	scaffold589	NW_004516019.1	116649	GG	CC	CC	INTERGENIC		
SNP_52337B_128139	scaffold589	NW_004516019.1	128139	CC	AA	AA	INTERGENIC		
SNP_52338B_138690	scaffold589	NW_004516019.1	138690	CC	TT	TT	INTERGENIC		
SNP_52339B_208939	scaffold589	NW_004516019.1	208939	AA	CC	CC	INTERGENIC		
SNP_52340B_208971	scaffold589	NW_004516019.1	208971	TT	CC	CC	INTERGENIC		
SNP_52341B_209355	scaffold589	NW_004516019.1	209355	TT	GG	GG	INTERGENIC		
SNP_52342B_231445	scaffold589	NW_004516019.1	231445	CC	TT	TT	INTERGENIC		
SNP_52343B_245152	scaffold589	NW_004516019.1	245152	CC	TT	TT	INTERGENIC		
SNP_52344B_245214	scaffold589	NW_004516019.1	245214	CC	TT	TT	INTERGENIC		
SNP_52345B_245223	scaffold589	NW_004516019.1	245223	TT	AA	AA	INTERGENIC		
SNP_52346B_245278	scaffold589	NW_004516019.1	245278	CC	AA	AA	INTERGENIC		
SNP_52347B_245382	scaffold589	NW_004516019.1	245382	CC	TT	TT	INTERGENIC		
SNP_52348B_245390	scaffold589	NW_004516019.1	245390	AA	GG	GG	INTERGENIC		
SNP_52349B_245429	scaffold589	NW_004516019.1	245429	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52350B_245457	scaffold589	NW_004516019.1	245457	TT	CC	CC	INTERGENIC		
SNP_52351B_245494	scaffold589	NW_004516019.1	245494	GG	AA	AA	INTERGENIC		
SNP_52352B_245544	scaffold589	NW_004516019.1	245544	AA	GG	GG	INTERGENIC		
SNP_52353B_245587	scaffold589	NW_004516019.1	245587	AA	GG	GG	INTERGENIC		
SNP_52354B_245594	scaffold589	NW_004516019.1	245594	AA	GG	GG	INTERGENIC		
SNP_52355B_245634	scaffold589	NW_004516019.1	245634	TT	GG	GG	INTERGENIC		
SNP_52356B_256178	scaffold589	NW_004516019.1	256178	CC	TT	TT	INTERGENIC		
SNP_52357B_292841	scaffold589	NW_004516019.1	292841	GG	AA	AA	INTERGENIC		
SNP_52358B_304809	scaffold589	NW_004516019.1	304809	TT	GG	GG	INTERGENIC		
SNP_52359B_322923	scaffold589	NW_004516019.1	322923	CC	GG	GG	INTERGENIC		
SNP_52360B_322943	scaffold589	NW_004516019.1	322943	AA	GG	GG	INTERGENIC		
SNP_52361B_323153	scaffold589	NW_004516019.1	323153	AA	GG	GG	INTERGENIC		
SNP_52362B_323323	scaffold589	NW_004516019.1	323323	GG	AA	AA	INTERGENIC		
SNP_52363B_323440	scaffold589	NW_004516019.1	323440	TT	CC	CC	INTERGENIC		
SNP_52364B_323507	scaffold589	NW_004516019.1	323507	AA	CC	CC	INTERGENIC		
SNP_52366B_323537	scaffold589	NW_004516019.1	323537	CC	GG	GG	INTERGENIC		
SNP_52367B_323550	scaffold589	NW_004516019.1	323550	GG	AA	AA	INTERGENIC		
SNP_52370B_3600	scaffold590	NW_004516020.1	3600	AA	CC	CC	INTRON	101505517	aquaporin NIP6-1-like
SNP_52371B_3643	scaffold590	NW_004516020.1	3643	TT	CC	CC	INTRON	101505517	aquaporin NIP6-1-like
SNP_52372B_3646	scaffold590	NW_004516020.1	3646	TT	AA	AA	INTRON	101505517	aquaporin NIP6-1-like
SNP_52373B_3723	scaffold590	NW_004516020.1	3723	GG	AA	AA	INTRON	101505517	aquaporin NIP6-1-like
SNP_52374B_3737	scaffold590	NW_004516020.1	3737	GG	AA	AA	INTRON	101505517	aquaporin NIP6-1-like
SNP_52375B_3771	scaffold590	NW_004516020.1	3771	GG	AA	AA	INTRON	101505517	aquaporin NIP6-1-like
SNP_52376B_3784	scaffold590	NW_004516020.1	3784	GG	TT	TT	INTRON	101505517	aquaporin NIP6-1-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52377B_3786	scaffold590	NW_004516020.1	3786	CC	AA	AA	INTRON	101505517	aquaporin NIP6-1-like
SNP_52378B_16816	scaffold590	NW_004516020.1	16816	AA	CC	CC	URR	101503377	Golgi SNAP receptor complex member 1-1-like
SNP_52379B_16887	scaffold590	NW_004516020.1	16887	CC	AA	AA	URR	101503377	Golgi SNAP receptor complex member 1-1-like
SNP_52380B_19016	scaffold590	NW_004516020.1	19016	TT	CC	CC	DRR	101505850	aquaporin NIP6-1-like
SNP_52381B_19098	scaffold590	NW_004516020.1	19098	CC	TT	TT	DRR	101505850	aquaporin NIP6-1-like
SNP_52382B_19173	scaffold590	NW_004516020.1	19173	TT	CC	CC	DRR	101505850	aquaporin NIP6-1-like
SNP_52384B_19347	scaffold590	NW_004516020.1	19347	TT	GG	GG	INTERGENIC		
SNP_52385B_19399	scaffold590	NW_004516020.1	19399	GG	AA	AA	INTERGENIC		
SNP_52386B_19440	scaffold590	NW_004516020.1	19440	TT	CC	CC	INTERGENIC		
SNP_52387B_19443	scaffold590	NW_004516020.1	19443	AA	CC	CC	INTERGENIC		
SNP_52388B_19448	scaffold590	NW_004516020.1	19448	TT	AA	AA	INTERGENIC		
SNP_52390B_19480	scaffold590	NW_004516020.1	19480	AA	TT	TT	INTERGENIC		
SNP_52391B_19552	scaffold590	NW_004516020.1	19552	AA	GG	GG	INTERGENIC		
SNP_52392B_19572	scaffold590	NW_004516020.1	19572	GG	CC	CC	INTERGENIC		
SNP_52393B_19619	scaffold590	NW_004516020.1	19619	AA	CC	CC	INTERGENIC		
SNP_52395B_61241	scaffold590	NW_004516020.1	61241	TT	CC	CC	URR	101504041	N-terminal acetyltransferase A complex catalytic subunit ard1
SNP_52396B_61249	scaffold590	NW_004516020.1	61249	TT	AA	AA	URR	101504041	N-terminal acetyltransferase A complex catalytic subunit ard1
SNP_52397B_61269	scaffold590	NW_004516020.1	61269	AA	GG	GG	URR	101504041	N-terminal acetyltransferase A complex catalytic subunit ard1
SNP_52398B_61272	scaffold590	NW_004516020.1	61272	TT	CC	CC	URR	101504041	N-terminal acetyltransferase A complex catalytic subunit ard1
SNP_52399B_61273	scaffold590	NW_004516020.1	61273	AA	CC	CC	URR	101504041	N-terminal acetyltransferase A complex catalytic subunit ard1
SNP_52400B_61332	scaffold590	NW_004516020.1	61332	TT	CC	CC	URR	101504041	N-terminal acetyltransferase A complex catalytic subunit ard1
SNP_52401B_61335	scaffold590	NW_004516020.1	61335	GG	TT	TT	URR	101504041	N-terminal acetyltransferase A complex catalytic subunit ard1
SNP_52402B_80534	scaffold590	NW_004516020.1	80534	AA	GG	GG	INTRON	101504352	F-box/WD-40 repeat-containing protein At3g52030
SNP_52403B_106353	scaffold590	NW_004516020.1	106353	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52404B_112515	scaffold590	NW_004516020.1	112515	GG	AA	AA	INTERGENIC		
SNP_52405B_114957	scaffold590	NW_004516020.1	114957	AA	CC	CC	INTERGENIC		
SNP_52406B_115913	scaffold590	NW_004516020.1	115913	TT	CC	CC	DRR	101506172	uncharacterized LOC101506172
SNP_52407B_134363	scaffold590	NW_004516020.1	134363	TT	GG	GG	NON_SYNONYMOUS_CODING	101506500	uncharacterized LOC101506500
SNP_52408B_134977	scaffold590	NW_004516020.1	134977	AA	GG	GG	INTRON	101506500	uncharacterized LOC101506500
SNP_52409B_175668	scaffold590	NW_004516020.1	175668	AA	CC	CC	INTERGENIC		
SNP_52410B_175809	scaffold590	NW_004516020.1	175809	TT	CC	CC	INTERGENIC		
SNP_52411B_220689	scaffold590	NW_004516020.1	220689	AA	GG	GG	INTERGENIC		
SNP_52412B_220754	scaffold590	NW_004516020.1	220754	TT	CC	CC	INTERGENIC		
SNP_52413B_220760	scaffold590	NW_004516020.1	220760	TT	CC	CC	INTERGENIC		
SNP_52414B_220809	scaffold590	NW_004516020.1	220809	AA	GG	GG	INTERGENIC		
SNP_52415B_220981	scaffold590	NW_004516020.1	220981	GG	AA	AA	INTERGENIC		
SNP_52416B_221001	scaffold590	NW_004516020.1	221001	CC	TT	TT	INTERGENIC		
SNP_52417B_221007	scaffold590	NW_004516020.1	221007	AA	GG	GG	INTERGENIC		
SNP_52418B_221011	scaffold590	NW_004516020.1	221011	TT	CC	CC	INTERGENIC		
SNP_52419B_221033	scaffold590	NW_004516020.1	221033	GG	AA	AA	INTERGENIC		
SNP_52420B_222064	scaffold590	NW_004516020.1	222064	GG	AA	AA	INTERGENIC		
SNP_52421B_222160	scaffold590	NW_004516020.1	222160	CC	TT	TT	INTERGENIC		
SNP_52422B_222265	scaffold590	NW_004516020.1	222265	CC	TT	TT	INTERGENIC		
SNP_52423B_222418	scaffold590	NW_004516020.1	222418	CC	TT	TT	INTERGENIC		
SNP_52424B_222439	scaffold590	NW_004516020.1	222439	AA	TT	TT	INTERGENIC		
SNP_52425B_222451	scaffold590	NW_004516020.1	222451	AA	TT	TT	INTERGENIC		
SNP_52426B_222457	scaffold590	NW_004516020.1	222457	AA	GG	GG	INTERGENIC		
SNP_52427B_222474	scaffold590	NW_004516020.1	222474	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52428B_222514	scaffold590	NW_004516020.1	222514	CC	TT	TT	INTERGENIC		
SNP_52430B_222532	scaffold590	NW_004516020.1	222532	TT	AA	AA	INTERGENIC		
SNP_52431B_222681	scaffold590	NW_004516020.1	222681	TT	GG	GG	INTERGENIC		
SNP_52432B_233763	scaffold590	NW_004516020.1	233763	AA	CC	CC	INTERGENIC		
SNP_52433B_295295	scaffold590	NW_004516020.1	295295	GG	TT	TT	INTERGENIC		
SNP_52434B_8245	scaffold592	NW_004516022.1	8245	CC	GG	GG	INTERGENIC		
SNP_52435B_8267	scaffold592	NW_004516022.1	8267	AA	TT	TT	INTERGENIC		
SNP_52436B_8317	scaffold592	NW_004516022.1	8317	TT	CC	CC	INTERGENIC		
SNP_52437B_8337	scaffold592	NW_004516022.1	8337	CC	TT	TT	INTERGENIC		
SNP_52438B_8425	scaffold592	NW_004516022.1	8425	GG	AA	AA	INTERGENIC		
SNP_52439B_8504	scaffold592	NW_004516022.1	8504	GG	TT	TT	INTERGENIC		
SNP_52440B_8575	scaffold592	NW_004516022.1	8575	TT	CC	CC	INTERGENIC		
SNP_52441B_8578	scaffold592	NW_004516022.1	8578	TT	CC	CC	INTERGENIC		
SNP_52442B_8614	scaffold592	NW_004516022.1	8614	CC	TT	TT	INTERGENIC		
SNP_52443B_8707	scaffold592	NW_004516022.1	8707	AA	TT	TT	INTERGENIC		
SNP_52444B_8816	scaffold592	NW_004516022.1	8816	CC	TT	TT	INTERGENIC		
SNP_52445B_8891	scaffold592	NW_004516022.1	8891	CC	TT	TT	INTERGENIC		
SNP_52446B_10883	scaffold592	NW_004516022.1	10883	TT	GG	GG	INTERGENIC		
SNP_52447B_15567	scaffold592	NW_004516022.1	15567	TT	CC	CC	INTERGENIC		
SNP_52448B_16012	scaffold592	NW_004516022.1	16012	CC	GG	GG	INTERGENIC		
SNP_52449B_21698	scaffold592	NW_004516022.1	21698	GG	AA	AA	INTERGENIC		
SNP_52451B_42427	scaffold592	NW_004516022.1	42427	CC	TT	TT	INTERGENIC		
SNP_52452B_42459	scaffold592	NW_004516022.1	42459	CC	GG	GG	INTERGENIC		
SNP_52454B_10477	scaffold593	NW_004516023.1	10477	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52455B_10609	scaffold593	NW_004516023.1	10609	CC	TT	TT	INTERGENIC		
SNP_52456B_10638	scaffold593	NW_004516023.1	10638	CC	TT	TT	INTERGENIC		
SNP_52457B_10641	scaffold593	NW_004516023.1	10641	GG	AA	AA	INTERGENIC		
SNP_52458B_10840	scaffold593	NW_004516023.1	10840	AA	GG	GG	INTERGENIC		
SNP_52459B_11016	scaffold593	NW_004516023.1	11016	AA	CC	CC	INTERGENIC		
SNP_52461B_194935	scaffold593	NW_004516023.1	194935	AA	GG	GG	INTERGENIC		
SNP_52462B_194946	scaffold593	NW_004516023.1	194946	CC	TT	TT	INTERGENIC		
SNP_52463B_208876	scaffold593	NW_004516023.1	208876	TT	GG	GG	INTERGENIC		
SNP_52464B_208927	scaffold593	NW_004516023.1	208927	TT	CC	CC	INTERGENIC		
SNP_52465B_208960	scaffold593	NW_004516023.1	208960	CC	TT	TT	INTERGENIC		
SNP_52466B_208980	scaffold593	NW_004516023.1	208980	GG	CC	CC	INTERGENIC		
SNP_52467B_209018	scaffold593	NW_004516023.1	209018	AA	TT	TT	INTERGENIC		
SNP_52468B_209024	scaffold593	NW_004516023.1	209024	TT	CC	CC	INTERGENIC		
SNP_52469B_209043	scaffold593	NW_004516023.1	209043	TT	CC	CC	INTERGENIC		
SNP_52470B_209071	scaffold593	NW_004516023.1	209071	CC	AA	AA	INTERGENIC		
SNP_52471B_209093	scaffold593	NW_004516023.1	209093	GG	AA	AA	INTERGENIC		
SNP_52472B_209096	scaffold593	NW_004516023.1	209096	AA	GG	GG	INTERGENIC		
SNP_52473B_209100	scaffold593	NW_004516023.1	209100	TT	CC	CC	INTERGENIC		
SNP_52474B_209102	scaffold593	NW_004516023.1	209102	GG	AA	AA	INTERGENIC		
SNP_52475B_209121	scaffold593	NW_004516023.1	209121	CC	AA	AA	INTERGENIC		
SNP_52476B_209152	scaffold593	NW_004516023.1	209152	TT	CC	CC	INTERGENIC		
SNP_52477B_209211	scaffold593	NW_004516023.1	209211	CC	TT	TT	INTERGENIC		
SNP_52478B_209312	scaffold593	NW_004516023.1	209312	AA	TT	TT	INTERGENIC		
SNP_52479B_209326	scaffold593	NW_004516023.1	209326	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52480B_209366	scaffold593	NW_004516023.1	209366	GG	AA	AA	DRR	101508436	probable polygalacturonase At3g15720
SNP_52481B_209368	scaffold593	NW_004516023.1	209368	AA	GG	GG	DRR	101508436	probable polygalacturonase At3g15720
SNP_52482B_209463	scaffold593	NW_004516023.1	209463	GG	AA	AA	DRR	101508436	probable polygalacturonase At3g15720
SNP_52484B_209483	scaffold593	NW_004516023.1	209483	CC	TT	TT	DRR	101508436	probable polygalacturonase At3g15720
SNP_52485B_209509	scaffold593	NW_004516023.1	209509	CC	AA	AA	DRR	101508436	probable polygalacturonase At3g15720
SNP_52486B_209513	scaffold593	NW_004516023.1	209513	TT	GG	GG	DRR	101508436	probable polygalacturonase At3g15720
SNP_52487B_209551	scaffold593	NW_004516023.1	209551	AA	TT	TT	DRR	101508436	probable polygalacturonase At3g15720
SNP_52488B_209608	scaffold593	NW_004516023.1	209608	GG	AA	AA	DRR	101508436	probable polygalacturonase At3g15720
SNP_52489B_209633	scaffold593	NW_004516023.1	209633	CC	AA	AA	DRR	101508436	probable polygalacturonase At3g15720
SNP_52490B_209661	scaffold593	NW_004516023.1	209661	TT	CC	CC	DRR	101508436	probable polygalacturonase At3g15720
SNP_52491B_209684	scaffold593	NW_004516023.1	209684	CC	TT	TT	DRR	101508436	probable polygalacturonase At3g15720
SNP_52493B_209718	scaffold593	NW_004516023.1	209718	TT	CC	CC	DRR	101508436	probable polygalacturonase At3g15720
SNP_52494B_209735	scaffold593	NW_004516023.1	209735	AA	CC	CC	DRR	101508436	probable polygalacturonase At3g15720
SNP_52495B_209927	scaffold593	NW_004516023.1	209927	GG	AA	AA	DRR	101508436	probable polygalacturonase At3g15720
SNP_52496B_209934	scaffold593	NW_004516023.1	209934	AA	TT	TT	DRR	101508436	probable polygalacturonase At3g15720
SNP_52497B_209936	scaffold593	NW_004516023.1	209936	GG	AA	AA	DRR	101508436	probable polygalacturonase At3g15720
SNP_52499B_210112	scaffold593	NW_004516023.1	210112	AA	GG	GG	DRR	101508436	probable polygalacturonase At3g15720
SNP_52500B_210127	scaffold593	NW_004516023.1	210127	CC	TT	TT	DRR	101508436	probable polygalacturonase At3g15720
SNP_52501B_210149	scaffold593	NW_004516023.1	210149	AA	GG	GG	DRR	101508436	probable polygalacturonase At3g15720
SNP_52502B_210156	scaffold593	NW_004516023.1	210156	CC	TT	TT	DRR	101508436	probable polygalacturonase At3g15720
SNP_52503B_210192	scaffold593	NW_004516023.1	210192	TT	AA	AA	DRR	101508436	probable polygalacturonase At3g15720
SNP_52504B_210217	scaffold593	NW_004516023.1	210217	CC	AA	AA	DRR	101508436	probable polygalacturonase At3g15720
SNP_52505B_210235	scaffold593	NW_004516023.1	210235	AA	GG	GG	DRR	101508436	probable polygalacturonase At3g15720
SNP_52506B_210290	scaffold593	NW_004516023.1	210290	GG	CC	CC	DRR	101508436	probable polygalacturonase At3g15720

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52507B_210315	scaffold593	NW_004516023.1	210315	GG	CC	CC	DRR	101508436	probable polygalacturonase At3g15720
SNP_52508B_210347	scaffold593	NW_004516023.1	210347	AA	GG	GG	DRR	101508436	probable polygalacturonase At3g15720
SNP_52509B_211521	scaffold593	NW_004516023.1	211521	AA	TT	TT	URR	101508436	probable polygalacturonase At3g15720
SNP_52510B_211834	scaffold593	NW_004516023.1	211834	AA	GG	GG	URR	101508436	probable polygalacturonase At3g15720
SNP_52511B_21895	scaffold598	NW_004516028.1	21895	AA	TT	TT	INTERGENIC		
SNP_52512B_21968	scaffold598	NW_004516028.1	21968	GG	TT	TT	INTERGENIC		
SNP_52513B_21991	scaffold598	NW_004516028.1	21991	CC	TT	TT	INTERGENIC		
SNP_52514B_21993	scaffold598	NW_004516028.1	21993	TT	AA	AA	INTERGENIC		
SNP_52515B_22032	scaffold598	NW_004516028.1	22032	CC	TT	TT	INTERGENIC		
SNP_52516B_22039	scaffold598	NW_004516028.1	22039	AA	CC	CC	INTERGENIC		
SNP_52517B_22041	scaffold598	NW_004516028.1	22041	CC	AA	AA	INTERGENIC		
SNP_52518B_22045	scaffold598	NW_004516028.1	22045	AA	TT	TT	INTERGENIC		
SNP_52519B_22129	scaffold598	NW_004516028.1	22129	GG	TT	TT	INTERGENIC		
SNP_52520B_38065	scaffold598	NW_004516028.1	38065	GG	AA	AA	INTERGENIC		
SNP_52521B_38202	scaffold598	NW_004516028.1	38202	GG	AA	AA	INTERGENIC		
SNP_52522B_78631	scaffold598	NW_004516028.1	78631	GG	TT	TT	INTERGENIC		
SNP_52523B_79003	scaffold598	NW_004516028.1	79003	TT	GG	GG	INTERGENIC		
SNP_52524B_84135	scaffold598	NW_004516028.1	84135	TT	AA	AA	INTERGENIC		
SNP_52527B_125584	scaffold598	NW_004516028.1	125584	TT	CC	CC	INTERGENIC		
SNP_52528B_126025	scaffold598	NW_004516028.1	126025	CC	TT	TT	INTERGENIC		
SNP_52529B_126078	scaffold598	NW_004516028.1	126078	TT	CC	CC	INTERGENIC		
SNP_52530B_126090	scaffold598	NW_004516028.1	126090	AA	TT	TT	INTERGENIC		
SNP_52531B_126091	scaffold598	NW_004516028.1	126091	TT	AA	AA	INTERGENIC		
SNP_52532B_126104	scaffold598	NW_004516028.1	126104	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52533B_183254	scaffold598	NW_004516028.1	183254	GG	AA	AA	INTERGENIC		
SNP_52534B_183575	scaffold598	NW_004516028.1	183575	GG	AA	AA	INTERGENIC		
SNP_52535B_210635	scaffold598	NW_004516028.1	210635	GG	TT	TT	INTERGENIC		
SNP_52536B_215575	scaffold598	NW_004516028.1	215575	AA	CC	CC	INTERGENIC		
SNP_52537B_219052	scaffold598	NW_004516028.1	219052	CC	TT	TT	INTERGENIC		
SNP_52538B_231064	scaffold598	NW_004516028.1	231064	GG	AA	AA	INTERGENIC		
SNP_52539B_231232	scaffold598	NW_004516028.1	231232	CC	TT	TT	INTERGENIC		
SNP_52540B_231246	scaffold598	NW_004516028.1	231246	AA	TT	TT	INTERGENIC		
SNP_52541B_231380	scaffold598	NW_004516028.1	231380	AA	GG	GG	INTERGENIC		
SNP_52542B_231425	scaffold598	NW_004516028.1	231425	TT	CC	CC	INTERGENIC		
SNP_52543B_231429	scaffold598	NW_004516028.1	231429	AA	CC	CC	INTERGENIC		
SNP_52544B_231454	scaffold598	NW_004516028.1	231454	AA	CC	CC	INTERGENIC		
SNP_52545B_231521	scaffold598	NW_004516028.1	231521	TT	CC	CC	INTERGENIC		
SNP_52546B_268438	scaffold598	NW_004516028.1	268438	CC	TT	TT	DRR	101514553	uncharacterized LOC101514553
SNP_52547B_268805	scaffold598	NW_004516028.1	268805	TT	CC	CC	URR	101509917	tubulin-folding cofactor B
SNP_52549B_302579	scaffold598	NW_004516028.1	302579	AA	TT	TT	URR	101510237	probable F-box protein At5g04010
SNP_52550B_315097	scaffold598	NW_004516028.1	315097	CC	AA	AA	URR	101510571	RNA-binding protein 12-like
SNP_52551B_315216	scaffold598	NW_004516028.1	315216	TT	CC	CC	URR	101510571	RNA-binding protein 12-like
SNP_52552B_315335	scaffold598	NW_004516028.1	315335	GG	CC	CC	URR	101510571	RNA-binding protein 12-like
SNP_52553B_315355	scaffold598	NW_004516028.1	315355	AA	TT	TT	URR	101510571	RNA-binding protein 12-like
SNP_52555B_364195	scaffold598	NW_004516028.1	364195	CC	TT	TT	INTERGENIC		
SNP_52556B_380756	scaffold598	NW_004516028.1	380756	TT	CC	CC	URR	101488956	Unknown function
SNP_52558B_423734	scaffold598	NW_004516028.1	423734	CC	AA	AA	INTERGENIC		
SNP_52559B_423779	scaffold598	NW_004516028.1	423779	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52560B_424459	scaffold598	NW_004516028.1	424459	TT	AA	AA	INTERGENIC		
SNP_52561B_434231	scaffold598	NW_004516028.1	434231	GG	AA	AA	INTERGENIC		
SNP_52562B_434253	scaffold598	NW_004516028.1	434253	AA	TT	TT	INTERGENIC		
SNP_52563B_436840	scaffold598	NW_004516028.1	436840	CC	TT	TT	INTERGENIC		
SNP_52564B_445378	scaffold598	NW_004516028.1	445378	TT	CC	CC	INTERGENIC		
SNP_52565B_445449	scaffold598	NW_004516028.1	445449	TT	CC	CC	INTERGENIC		
SNP_52566B_445495	scaffold598	NW_004516028.1	445495	AA	GG	GG	INTERGENIC		
SNP_52567B_445592	scaffold598	NW_004516028.1	445592	TT	GG	GG	INTERGENIC		
SNP_52568B_455163	scaffold598	NW_004516028.1	455163	AA	TT	TT	INTERGENIC		
SNP_52569B_455172	scaffold598	NW_004516028.1	455172	AA	GG	GG	INTERGENIC		
SNP_52570B_455307	scaffold598	NW_004516028.1	455307	TT	AA	AA	INTERGENIC		
SNP_52571B_455415	scaffold598	NW_004516028.1	455415	CC	TT	TT	INTERGENIC		
SNP_52572B_455427	scaffold598	NW_004516028.1	455427	AA	TT	TT	INTERGENIC		
SNP_52573B_455433	scaffold598	NW_004516028.1	455433	TT	CC	CC	INTERGENIC		
SNP_52574B_455445	scaffold598	NW_004516028.1	455445	TT	CC	CC	INTERGENIC		
SNP_52575B_455457	scaffold598	NW_004516028.1	455457	CC	TT	TT	INTERGENIC		
SNP_52577B_455511	scaffold598	NW_004516028.1	455511	AA	GG	GG	INTERGENIC		
SNP_52578B_465624	scaffold598	NW_004516028.1	465624	TT	AA	AA	INTERGENIC		
SNP_52579B_466034	scaffold598	NW_004516028.1	466034	AA	GG	GG	INTERGENIC		
SNP_52580B_473071	scaffold598	NW_004516028.1	473071	AA	CC	CC	INTERGENIC		
SNP_52582B_487873	scaffold598	NW_004516028.1	487873	AA	GG	GG	INTERGENIC		
SNP_52583B_533190	scaffold598	NW_004516028.1	533190	GG	TT	TT	INTERGENIC		
SNP_52584B_547593	scaffold598	NW_004516028.1	547593	TT	AA	AA	INTERGENIC		
SNP_52585B_547594	scaffold598	NW_004516028.1	547594	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52586B_561325	scaffold598	NW_004516028.1	561325	TT	AA	AA	INTERGENIC		
SNP_52587B_563088	scaffold598	NW_004516028.1	563088	CC	TT	TT	INTERGENIC		
SNP_52588B_563965	scaffold598	NW_004516028.1	563965	TT	CC	CC	INTERGENIC		
SNP_52589B_565340	scaffold598	NW_004516028.1	565340	GG	AA	AA	INTERGENIC		
SNP_52590B_565946	scaffold598	NW_004516028.1	565946	GG	AA	AA	INTERGENIC		
SNP_52591B_568491	scaffold598	NW_004516028.1	568491	TT	CC	CC	INTERGENIC		
SNP_52593B_7971	scaffold599	NW_004516029.1	7971	CC	GG	GG	INTERGENIC		
SNP_52594B_9749	scaffold599	NW_004516029.1	9749	CC	AA	AA	INTERGENIC		
SNP_52595B_9980	scaffold599	NW_004516029.1	9980	CC	AA	AA	INTERGENIC		
SNP_52596B_9983	scaffold599	NW_004516029.1	9983	CC	TT	TT	INTERGENIC		
SNP_52597B_10084	scaffold599	NW_004516029.1	10084	TT	AA	AA	INTERGENIC		
SNP_52598B_10097	scaffold599	NW_004516029.1	10097	GG	AA	AA	INTERGENIC		
SNP_52599B_10167	scaffold599	NW_004516029.1	10167	CC	GG	GG	INTERGENIC		
SNP_52600B_10170	scaffold599	NW_004516029.1	10170	GG	CC	CC	INTERGENIC		
SNP_52601B_10262	scaffold599	NW_004516029.1	10262	TT	AA	AA	INTERGENIC		
SNP_52602B_10731	scaffold599	NW_004516029.1	10731	GG	AA	AA	INTERGENIC		
SNP_52603B_11125	scaffold599	NW_004516029.1	11125	GG	AA	AA	INTERGENIC		
SNP_52604B_11309	scaffold599	NW_004516029.1	11309	AA	TT	TT	INTERGENIC		
SNP_52605B_12806	scaffold599	NW_004516029.1	12806	CC	TT	TT	INTERGENIC		
SNP_52606B_12968	scaffold599	NW_004516029.1	12968	CC	TT	TT	INTERGENIC		
SNP_52607B_22365	scaffold599	NW_004516029.1	22365	TT	CC	CC	INTERGENIC		
SNP_52608B_23825	scaffold599	NW_004516029.1	23825	GG	AA	AA	INTERGENIC		
SNP_52609B_24656	scaffold599	NW_004516029.1	24656	CC	AA	AA	INTERGENIC		
SNP_52610B_25845	scaffold599	NW_004516029.1	25845	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52611B_26776	scaffold599	NW_004516029.1	26776	AA	CC	CC	INTERGENIC		
SNP_52612B_26833	scaffold599	NW_004516029.1	26833	TT	CC	CC	INTERGENIC		
SNP_52613B_27801	scaffold599	NW_004516029.1	27801	CC	TT	TT	INTERGENIC		
SNP_52614B_29267	scaffold599	NW_004516029.1	29267	CC	AA	AA	INTERGENIC		
SNP_52615B_39395	scaffold599	NW_004516029.1	39395	AA	TT	TT	INTERGENIC		
SNP_52616B_39423	scaffold599	NW_004516029.1	39423	AA	TT	TT	INTERGENIC		
SNP_52618B_39441	scaffold599	NW_004516029.1	39441	AA	GG	GG	INTERGENIC		
SNP_52619B_39448	scaffold599	NW_004516029.1	39448	AA	TT	TT	INTERGENIC		
SNP_52620B_52443	scaffold599	NW_004516029.1	52443	TT	GG	GG	INTERGENIC		
SNP_52621B_54334	scaffold599	NW_004516029.1	54334	CC	AA	AA	INTERGENIC		
SNP_52622B_56239	scaffold599	NW_004516029.1	56239	CC	AA	AA	INTERGENIC		
SNP_52623B_57011	scaffold599	NW_004516029.1	57011	GG	AA	AA	INTERGENIC		
SNP_52624B_57012	scaffold599	NW_004516029.1	57012	TT	GG	GG	INTERGENIC		
SNP_52625B_57016	scaffold599	NW_004516029.1	57016	TT	CC	CC	INTERGENIC		
SNP_52626B_57025	scaffold599	NW_004516029.1	57025	AA	GG	GG	INTERGENIC		
SNP_52627B_57027	scaffold599	NW_004516029.1	57027	TT	CC	CC	INTERGENIC		
SNP_52628B_57069	scaffold599	NW_004516029.1	57069	AA	GG	GG	INTERGENIC		
SNP_52630B_58380	scaffold599	NW_004516029.1	58380	GG	TT	TT	INTERGENIC		
SNP_52631B_58576	scaffold599	NW_004516029.1	58576	GG	AA	AA	INTERGENIC		
SNP_52633B_59085	scaffold599	NW_004516029.1	59085	TT	AA	AA	INTERGENIC		
SNP_52634B_91439	scaffold599	NW_004516029.1	91439	AA	TT	TT	INTERGENIC		
SNP_52636B_103023	scaffold599	NW_004516029.1	103023	AA	GG	GG	INTRON	101491432	uncharacterized LOC101491432
SNP_52637B_103271	scaffold599	NW_004516029.1	103271	TT	CC	CC	INTRON	101491432	uncharacterized LOC101491432
SNP_52638B_103885	scaffold599	NW_004516029.1	103885	CC	TT	TT	NON_SYNONYMOUS_CODING	101491432	uncharacterized LOC101491432

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52639B_126137	scaffold599	NW_004516029.1	126137	AA	GG	GG	INTERGENIC		
SNP_52640B_159189	scaffold599	NW_004516029.1	159189	AA	TT	TT	INTERGENIC		
SNP_52641B_169637	scaffold599	NW_004516029.1	169637	GG	AA	AA	INTERGENIC		
SNP_52642B_187808	scaffold599	NW_004516029.1	187808	GG	AA	AA	INTERGENIC		
SNP_52643B_188176	scaffold599	NW_004516029.1	188176	AA	GG	GG	INTERGENIC		
SNP_52644B_188800	scaffold599	NW_004516029.1	188800	GG	AA	AA	INTERGENIC		
SNP_52645B_194056	scaffold599	NW_004516029.1	194056	AA	TT	TT	INTERGENIC		
SNP_52646B_234613	scaffold599	NW_004516029.1	234613	AA	CC	CC	NON_SYNONYMOUS_CODING	id203567	Unknown function
SNP_52647B_246822	scaffold599	NW_004516029.1	246822	GG	AA	AA	INTERGENIC		
SNP_52648B_249752	scaffold599	NW_004516029.1	249752	TT	CC	CC	INTERGENIC		
SNP_52649B_251266	scaffold599	NW_004516029.1	251266	CC	TT	TT	INTERGENIC		
SNP_52650B_284709	scaffold599	NW_004516029.1	284709	CC	TT	TT	INTERGENIC		
SNP_52651B_285955	scaffold599	NW_004516029.1	285955	TT	GG	GG	INTERGENIC		
SNP_52652B_286324	scaffold599	NW_004516029.1	286324	GG	CC	CC	DRR	101490792	TPD1 protein homolog 1-like
SNP_52653B_291347	scaffold599	NW_004516029.1	291347	GG	AA	AA	INTERGENIC		
SNP_52654B_291775	scaffold599	NW_004516029.1	291775	AA	GG	GG	INTERGENIC		
SNP_52655B_292547	scaffold599	NW_004516029.1	292547	AA	GG	GG	INTERGENIC		
SNP_52657B_293976	scaffold599	NW_004516029.1	293976	TT	AA	AA	INTERGENIC		
SNP_52658B_294511	scaffold599	NW_004516029.1	294511	TT	CC	CC	INTERGENIC		
SNP_52659B_296785	scaffold599	NW_004516029.1	296785	AA	GG	GG	INTERGENIC		
SNP_52660B_297364	scaffold599	NW_004516029.1	297364	AA	CC	CC	INTERGENIC		
SNP_52661B_299395	scaffold599	NW_004516029.1	299395	AA	GG	GG	INTERGENIC		
SNP_52662B_300980	scaffold599	NW_004516029.1	300980	CC	TT	TT	INTERGENIC		
SNP_52663B_302989	scaffold599	NW_004516029.1	302989	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52664B_303328	scaffold599	NW_004516029.1	303328	TT	CC	CC	INTERGENIC		
SNP_52665B_305149	scaffold599	NW_004516029.1	305149	CC	TT	TT	INTERGENIC		
SNP_52666B_306774	scaffold599	NW_004516029.1	306774	TT	GG	GG	INTERGENIC		
SNP_52670B_307731	scaffold599	NW_004516029.1	307731	CC	AA	AA	INTERGENIC		
SNP_52672B_308834	scaffold599	NW_004516029.1	308834	AA	TT	TT	DRR	101492741	Unknown function
SNP_52673B_310903	scaffold599	NW_004516029.1	310903	TT	CC	CC	URR	101492741	Unknown function
SNP_52674B_310940	scaffold599	NW_004516029.1	310940	GG	AA	AA	URR	101492741	Unknown function
SNP_52675B_310973	scaffold599	NW_004516029.1	310973	AA	GG	GG	URR	101492741	Unknown function
SNP_52676B_311421	scaffold599	NW_004516029.1	311421	AA	TT	TT	INTERGENIC		
SNP_52677B_311822	scaffold599	NW_004516029.1	311822	TT	AA	AA	INTERGENIC		
SNP_52679B_315058	scaffold599	NW_004516029.1	315058	TT	AA	AA	INTERGENIC		
SNP_52680B_315699	scaffold599	NW_004516029.1	315699	TT	GG	GG	INTERGENIC		
SNP_52681B_315792	scaffold599	NW_004516029.1	315792	AA	GG	GG	INTERGENIC		
SNP_52682B_315815	scaffold599	NW_004516029.1	315815	AA	GG	GG	INTERGENIC		
SNP_52683B_316144	scaffold599	NW_004516029.1	316144	AA	CC	CC	INTERGENIC		
SNP_52684B_316525	scaffold599	NW_004516029.1	316525	TT	AA	AA	INTERGENIC		
SNP_52685B_316791	scaffold599	NW_004516029.1	316791	CC	TT	TT	INTERGENIC		
SNP_52686B_317351	scaffold599	NW_004516029.1	317351	TT	GG	GG	INTERGENIC		
SNP_52687B_317387	scaffold599	NW_004516029.1	317387	AA	TT	TT	INTERGENIC		
SNP_52688B_317399	scaffold599	NW_004516029.1	317399	AA	TT	TT	INTERGENIC		
SNP_52689B_317405	scaffold599	NW_004516029.1	317405	AA	TT	TT	INTERGENIC		
SNP_52690B_318533	scaffold599	NW_004516029.1	318533	CC	TT	TT	INTERGENIC		
SNP_52692B_320413	scaffold599	NW_004516029.1	320413	TT	CC	CC	INTERGENIC		
SNP_52693B_320834	scaffold599	NW_004516029.1	320834	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52694B_321498	scaffold599	NW_004516029.1	321498	GG	AA	AA	INTERGENIC		
SNP_52696B_322874	scaffold599	NW_004516029.1	322874	AA	TT	TT	DRR	101493072	Unknown function
SNP_52697B_323209	scaffold599	NW_004516029.1	323209	GG	AA	AA	DRR	101493072	Unknown function
SNP_52699B_324397	scaffold599	NW_004516029.1	324397	GG	AA	AA	URR	101493072	Unknown function
SNP_52700B_324549	scaffold599	NW_004516029.1	324549	GG	TT	TT	URR	101493072	Unknown function
SNP_52701B_327319	scaffold599	NW_004516029.1	327319	CC	TT	TT	INTERGENIC		
SNP_52702B_327605	scaffold599	NW_004516029.1	327605	TT	CC	CC	INTERGENIC		
SNP_52703B_329046	scaffold599	NW_004516029.1	329046	GG	AA	AA	INTERGENIC		
SNP_52704B_329145	scaffold599	NW_004516029.1	329145	TT	CC	CC	INTERGENIC		
SNP_52705B_329222	scaffold599	NW_004516029.1	329222	AA	TT	TT	INTERGENIC		
SNP_52707B_329444	scaffold599	NW_004516029.1	329444	CC	AA	AA	INTERGENIC		
SNP_52708B_330602	scaffold599	NW_004516029.1	330602	TT	CC	CC	INTERGENIC		
SNP_52709B_331001	scaffold599	NW_004516029.1	331001	GG	AA	AA	INTERGENIC		
SNP_52710B_331507	scaffold599	NW_004516029.1	331507	TT	GG	GG	INTERGENIC		
SNP_52711B_331711	scaffold599	NW_004516029.1	331711	GG	AA	AA	INTERGENIC		
SNP_52712B_333481	scaffold599	NW_004516029.1	333481	CC	TT	TT	DRR	101493397	uncharacterized LOC101493397
SNP_52713B_333792	scaffold599	NW_004516029.1	333792	TT	CC	CC	NON_SYNONYMOUS_CODING	101493397	uncharacterized LOC101493397
SNP_52714B_333793	scaffold599	NW_004516029.1	333793	CC	TT	TT	SYNONYMOUS_CODING	101493397	uncharacterized LOC101493397
SNP_52715B_335120	scaffold599	NW_004516029.1	335120	AA	GG	GG	INTRON	101493397	uncharacterized LOC101493397
SNP_52716B_335187	scaffold599	NW_004516029.1	335187	TT	GG	GG	INTRON	101493397	uncharacterized LOC101493397
SNP_52718B_338098	scaffold599	NW_004516029.1	338098	GG	AA	AA	INTRON	101493397	uncharacterized LOC101493397
SNP_52719B_338964	scaffold599	NW_004516029.1	338964	AA	TT	TT	INTRON	101493397	uncharacterized LOC101493397
SNP_52720B_339234	scaffold599	NW_004516029.1	339234	TT	AA	AA	INTRON	101493397	uncharacterized LOC101493397
SNP_52723B_352302	scaffold599	NW_004516029.1	352302	AA	CC	CC	INTRON	101493397	uncharacterized LOC101493397

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52725B_352492	scaffold599	NW_004516029.1	352492	CC	TT	TT	INTRON	101493397	uncharacterized LOC101493397
SNP_52726B_352801	scaffold599	NW_004516029.1	352801	CC	TT	TT	NON_SYNONYMOUS_CODING	101493397	uncharacterized LOC101493397
SNP_52727B_353342	scaffold599	NW_004516029.1	353342	GG	AA	AA	URR	101493397	uncharacterized LOC101493397
SNP_52728B_353375	scaffold599	NW_004516029.1	353375	CC	TT	TT	URR	101493397	uncharacterized LOC101493397
SNP_52729B_354269	scaffold599	NW_004516029.1	354269	TT	AA	AA	URR	101493397	uncharacterized LOC101493397
SNP_52730B_354866	scaffold599	NW_004516029.1	354866	AA	GG	GG	URR	101493397	uncharacterized LOC101493397
SNP_52731B_355180	scaffold599	NW_004516029.1	355180	GG	TT	TT	INTERGENIC		
SNP_52732B_355547	scaffold599	NW_004516029.1	355547	CC	GG	GG	INTERGENIC		
SNP_52733B_357014	scaffold599	NW_004516029.1	357014	GG	AA	AA	INTERGENIC		
SNP_52734B_358497	scaffold599	NW_004516029.1	358497	AA	TT	TT	INTERGENIC		
SNP_52735B_358637	scaffold599	NW_004516029.1	358637	TT	CC	CC	INTERGENIC		
SNP_52736B_359630	scaffold599	NW_004516029.1	359630	TT	AA	AA	DRR	101493721	uncharacterized LOC101493721
SNP_52737B_359746	scaffold599	NW_004516029.1	359746	GG	TT	TT	DRR	101493721	uncharacterized LOC101493721
SNP_52738B_360016	scaffold599	NW_004516029.1	360016	CC	TT	TT	INTRON	101493721	uncharacterized LOC101493721
SNP_52739B_360019	scaffold599	NW_004516029.1	360019	AA	GG	GG	INTRON	101493721	uncharacterized LOC101493721
SNP_52740B_361301	scaffold599	NW_004516029.1	361301	CC	TT	TT	URR	101493721	uncharacterized LOC101493721
SNP_52741B_361821	scaffold599	NW_004516029.1	361821	TT	CC	CC	URR	101493721	uncharacterized LOC101493721
SNP_52742B_362090	scaffold599	NW_004516029.1	362090	AA	GG	GG	URR	101493721	uncharacterized LOC101493721
SNP_52743B_362115	scaffold599	NW_004516029.1	362115	GG	CC	CC	URR	101493721	uncharacterized LOC101493721
SNP_52744B_363515	scaffold599	NW_004516029.1	363515	TT	CC	CC	INTERGENIC		
SNP_52745B_363794	scaffold599	NW_004516029.1	363794	TT	CC	CC	INTERGENIC		
SNP_52746B_363798	scaffold599	NW_004516029.1	363798	TT	AA	AA	INTERGENIC		
SNP_52749B_366890	scaffold599	NW_004516029.1	366890	TT	CC	CC	INTERGENIC		
SNP_52750B_368147	scaffold599	NW_004516029.1	368147	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52751B_368492	scaffold599	NW_004516029.1	368492	AA	CC	CC	INTERGENIC		
SNP_52752B_368888	scaffold599	NW_004516029.1	368888	GG	CC	CC	INTERGENIC		
SNP_52753B_369198	scaffold599	NW_004516029.1	369198	GG	AA	AA	INTERGENIC		
SNP_52754B_369270	scaffold599	NW_004516029.1	369270	AA	TT	TT	INTERGENIC		
SNP_52755B_369371	scaffold599	NW_004516029.1	369371	TT	CC	CC	INTERGENIC		
SNP_52756B_369439	scaffold599	NW_004516029.1	369439	TT	CC	CC	INTERGENIC		
SNP_52757B_369440	scaffold599	NW_004516029.1	369440	GG	AA	AA	INTERGENIC		
SNP_52758B_369469	scaffold599	NW_004516029.1	369469	GG	AA	AA	INTERGENIC		
SNP_52759B_369513	scaffold599	NW_004516029.1	369513	CC	TT	TT	INTERGENIC		
SNP_52760B_369557	scaffold599	NW_004516029.1	369557	CC	AA	AA	INTERGENIC		
SNP_52761B_369565	scaffold599	NW_004516029.1	369565	CC	TT	TT	INTERGENIC		
SNP_52762B_369611	scaffold599	NW_004516029.1	369611	CC	TT	TT	INTERGENIC		
SNP_52763B_369809	scaffold599	NW_004516029.1	369809	TT	CC	CC	INTERGENIC		
SNP_52765B_372305	scaffold599	NW_004516029.1	372305	AA	TT	TT	INTERGENIC		
SNP_52766B_373318	scaffold599	NW_004516029.1	373318	AA	GG	GG	INTERGENIC		
SNP_52768B_374269	scaffold599	NW_004516029.1	374269	TT	CC	CC	INTERGENIC		
SNP_52769B_375401	scaffold599	NW_004516029.1	375401	CC	TT	TT	INTERGENIC		
SNP_52770B_375501	scaffold599	NW_004516029.1	375501	AA	GG	GG	INTERGENIC		
SNP_52771B_384783	scaffold599	NW_004516029.1	384783	AA	TT	TT	INTRON	101494042	uncharacterized LOC101494042
SNP_52772B_385378	scaffold599	NW_004516029.1	385378	GG	CC	CC	NON_SYNONYMOUS_CODING	101494042	uncharacterized LOC101494042
SNP_52773B_386616	scaffold599	NW_004516029.1	386616	TT	GG	GG	URR	101494042	uncharacterized LOC101494042
SNP_52774B_387537	scaffold599	NW_004516029.1	387537	TT	AA	AA	URR	101494042	uncharacterized LOC101494042
SNP_52775B_387677	scaffold599	NW_004516029.1	387677	GG	AA	AA	URR	101494042	uncharacterized LOC101494042
SNP_52776B_387855	scaffold599	NW_004516029.1	387855	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52778B_391315	scaffold599	NW_004516029.1	391315	GG	AA	AA	INTERGENIC		
SNP_52779B_391899	scaffold599	NW_004516029.1	391899	GG	TT	TT	INTERGENIC		
SNP_52781B_392773	scaffold599	NW_004516029.1	392773	AA	TT	TT	DRR	101494354	uncharacterized LOC101494354
SNP_52782B_393849	scaffold599	NW_004516029.1	393849	TT	CC	CC	URR	101494354	uncharacterized LOC101494354
SNP_52783B_394426	scaffold599	NW_004516029.1	394426	CC	TT	TT	URR	101494354	uncharacterized LOC101494354
SNP_52784B_394637	scaffold599	NW_004516029.1	394637	AA	CC	CC	URR	101494354	uncharacterized LOC101494354
SNP_52785B_395321	scaffold599	NW_004516029.1	395321	TT	CC	CC	URR	101494354	uncharacterized LOC101494354
SNP_52786B_396304	scaffold599	NW_004516029.1	396304	AA	GG	GG	INTERGENIC		
SNP_52787B_396581	scaffold599	NW_004516029.1	396581	GG	AA	AA	INTERGENIC		
SNP_52788B_396664	scaffold599	NW_004516029.1	396664	AA	TT	TT	INTERGENIC		
SNP_52789B_397782	scaffold599	NW_004516029.1	397782	CC	TT	TT	INTERGENIC		
SNP_52790B_398416	scaffold599	NW_004516029.1	398416	TT	CC	CC	INTERGENIC		
SNP_52791B_398919	scaffold599	NW_004516029.1	398919	AA	GG	GG	INTERGENIC		
SNP_52792B_399162	scaffold599	NW_004516029.1	399162	AA	CC	CC	INTERGENIC		
SNP_52793B_400034	scaffold599	NW_004516029.1	400034	CC	AA	AA	INTERGENIC		
SNP_52794B_401886	scaffold599	NW_004516029.1	401886	GG	AA	AA	INTERGENIC		
SNP_52795B_401890	scaffold599	NW_004516029.1	401890	TT	GG	GG	INTERGENIC		
SNP_52796B_402042	scaffold599	NW_004516029.1	402042	AA	GG	GG	INTERGENIC		
SNP_52797B_402481	scaffold599	NW_004516029.1	402481	TT	GG	GG	INTERGENIC		
SNP_52798B_402756	scaffold599	NW_004516029.1	402756	CC	TT	TT	INTERGENIC		
SNP_52799B_403129	scaffold599	NW_004516029.1	403129	TT	GG	GG	INTERGENIC		
SNP_52800B_403260	scaffold599	NW_004516029.1	403260	GG	TT	TT	INTERGENIC		
SNP_52801B_403716	scaffold599	NW_004516029.1	403716	TT	AA	AA	INTERGENIC		
SNP_52802B_404158	scaffold599	NW_004516029.1	404158	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52803B_404253	scaffold599	NW_004516029.1	404253	AA	CC	CC	INTERGENIC		
SNP_52804B_404742	scaffold599	NW_004516029.1	404742	AA	CC	CC	INTERGENIC		
SNP_52805B_405497	scaffold599	NW_004516029.1	405497	CC	AA	AA	INTERGENIC		
SNP_52806B_406095	scaffold599	NW_004516029.1	406095	CC	TT	TT	INTERGENIC		
SNP_52807B_407602	scaffold599	NW_004516029.1	407602	CC	TT	TT	INTERGENIC		
SNP_52808B_407684	scaffold599	NW_004516029.1	407684	AA	GG	GG	INTERGENIC		
SNP_52809B_409570	scaffold599	NW_004516029.1	409570	TT	GG	GG	INTERGENIC		
SNP_52811B_410095	scaffold599	NW_004516029.1	410095	CC	AA	AA	INTERGENIC		
SNP_52812B_44206	scaffold601	NW_004516030.1	44206	TT	AA	AA	INTERGENIC		
SNP_52814B_52366	scaffold601	NW_004516030.1	52366	TT	GG	GG	URR	101495309	Unknown function
SNP_52815B_52415	scaffold601	NW_004516030.1	52415	TT	GG	GG	URR	101495309	Unknown function
SNP_52816B_52433	scaffold601	NW_004516030.1	52433	GG	CC	CC	URR	101495309	Unknown function
SNP_52817B_52763	scaffold601	NW_004516030.1	52763	AA	GG	GG	URR	101495309	Unknown function
SNP_52818B_93730	scaffold601	NW_004516030.1	93730	TT	AA	AA	INTRON	101496296	uncharacterized LOC101496296
SNP_52819B_109292	scaffold601	NW_004516030.1	109292	TT	CC	CC	INTERGENIC		
SNP_52820B_110204	scaffold601	NW_004516030.1	110204	CC	TT	TT	INTERGENIC		
SNP_52821B_110208	scaffold601	NW_004516030.1	110208	AA	GG	GG	INTERGENIC		
SNP_52822B_110218	scaffold601	NW_004516030.1	110218	GG	CC	CC	INTERGENIC		
SNP_52823B_110229	scaffold601	NW_004516030.1	110229	TT	CC	CC	INTERGENIC		
SNP_52824B_110230	scaffold601	NW_004516030.1	110230	TT	CC	CC	INTERGENIC		
SNP_52825B_110231	scaffold601	NW_004516030.1	110231	TT	CC	CC	INTERGENIC		
SNP_52826B_110237	scaffold601	NW_004516030.1	110237	TT	CC	CC	INTERGENIC		
SNP_52827B_110262	scaffold601	NW_004516030.1	110262	GG	AA	AA	INTERGENIC		
SNP_52828B_110265	scaffold601	NW_004516030.1	110265	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52829B_110275	scaffold601	NW_004516030.1	110275	TT	CC	CC	INTERGENIC		
SNP_52830B_110300	scaffold601	NW_004516030.1	110300	AA	GG	GG	INTERGENIC		
SNP_52831B_110312	scaffold601	NW_004516030.1	110312	TT	CC	CC	INTERGENIC		
SNP_52832B_110318	scaffold601	NW_004516030.1	110318	AA	GG	GG	INTERGENIC		
SNP_52833B_110706	scaffold601	NW_004516030.1	110706	GG	AA	AA	INTERGENIC		
SNP_52834B_143368	scaffold601	NW_004516030.1	143368	AA	CC	CC	INTERGENIC		
SNP_52835B_1268	scaffold602	NW_004516031.1	1268	AA	GG	GG	INTERGENIC		
SNP_52836B_7614	scaffold604	NW_004516032.1	7614	GG	AA	AA	URR	101496944	Unknown function
SNP_52837B_7624	scaffold604	NW_004516032.1	7624	GG	AA	AA	URR	101496944	Unknown function
SNP_52838B_7835	scaffold604	NW_004516032.1	7835	GG	AA	AA	URR	101496944	Unknown function
SNP_52839B_8150	scaffold604	NW_004516032.1	8150	AA	TT	TT	INTERGENIC		
SNP_52840B_8190	scaffold604	NW_004516032.1	8190	AA	GG	GG	INTERGENIC		
SNP_52841B_8997	scaffold604	NW_004516032.1	8997	TT	CC	CC	INTERGENIC		
SNP_52842B_9040	scaffold604	NW_004516032.1	9040	CC	AA	AA	INTERGENIC		
SNP_52843B_9084	scaffold604	NW_004516032.1	9084	TT	AA	AA	INTERGENIC		
SNP_52844B_9112	scaffold604	NW_004516032.1	9112	AA	TT	TT	INTERGENIC		
SNP_52845B_9237	scaffold604	NW_004516032.1	9237	TT	CC	CC	INTERGENIC		
SNP_52846B_9698	scaffold604	NW_004516032.1	9698	GG	AA	AA	INTERGENIC		
SNP_52847B_14667	scaffold604	NW_004516032.1	14667	CC	TT	TT	INTERGENIC		
SNP_52848B_15113	scaffold604	NW_004516032.1	15113	AA	GG	GG	INTERGENIC		
SNP_52849B_16641	scaffold604	NW_004516032.1	16641	AA	CC	CC	INTERGENIC		
SNP_52850B_16682	scaffold604	NW_004516032.1	16682	CC	GG	GG	INTERGENIC		
SNP_52851B_16830	scaffold604	NW_004516032.1	16830	TT	CC	CC	INTERGENIC		
SNP_52852B_19175	scaffold604	NW_004516032.1	19175	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52853B_19179	scaffold604	NW_004516032.1	19179	AA	GG	GG	INTERGENIC		
SNP_52854B_19186	scaffold604	NW_004516032.1	19186	TT	CC	CC	INTERGENIC		
SNP_52855B_19581	scaffold604	NW_004516032.1	19581	TT	CC	CC	INTERGENIC		
SNP_52856B_19614	scaffold604	NW_004516032.1	19614	AA	GG	GG	INTERGENIC		
SNP_52857B_19620	scaffold604	NW_004516032.1	19620	AA	GG	GG	INTERGENIC		
SNP_52858B_22650	scaffold604	NW_004516032.1	22650	CC	GG	GG	INTERGENIC		
SNP_52859B_22669	scaffold604	NW_004516032.1	22669	CC	AA	AA	INTERGENIC		
SNP_52860B_72039	scaffold604	NW_004516032.1	72039	GG	AA	AA	NON_SYNONYMOUS_CODING	101497274	Unknown function
SNP_52861B_19574	scaffold605	NW_004516033.1	19574	GG	AA	AA	URR	101497599	receptor-like protein kinase FERONIA
SNP_52862B_24781	scaffold605	NW_004516033.1	24781	TT	CC	CC	INTERGENIC		
SNP_52864B_71320	scaffold605	NW_004516033.1	71320	TT	AA	AA	INTERGENIC		
SNP_52865B_71324	scaffold605	NW_004516033.1	71324	CC	AA	AA	INTERGENIC		
SNP_52866B_73969	scaffold605	NW_004516033.1	73969	TT	CC	CC	INTERGENIC		
SNP_52867B_6738	scaffold611	NW_004516036.1	6738	TT	AA	AA	INTERGENIC		
SNP_52868B_6763	scaffold611	NW_004516036.1	6763	GG	AA	AA	INTERGENIC		
SNP_52869B_2023	scaffold612	NW_004516037.1	2023	CC	TT	TT	INTERGENIC		
SNP_52870B_2031	scaffold612	NW_004516037.1	2031	TT	AA	AA	INTERGENIC		
SNP_52871B_2096	scaffold612	NW_004516037.1	2096	TT	AA	AA	INTERGENIC		
SNP_52872B_2119	scaffold612	NW_004516037.1	2119	CC	TT	TT	INTERGENIC		
SNP_52873B_2121	scaffold612	NW_004516037.1	2121	CC	GG	GG	INTERGENIC		
SNP_52874B_2130	scaffold612	NW_004516037.1	2130	TT	AA	AA	INTERGENIC		
SNP_52875B_2979	scaffold612	NW_004516037.1	2979	CC	AA	AA	INTERGENIC		
SNP_52876B_3022	scaffold612	NW_004516037.1	3022	TT	AA	AA	INTERGENIC		
SNP_52877B_3040	scaffold612	NW_004516037.1	3040	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52878B_3097	scaffold612	NW_004516037.1	3097	CC	TT	TT	INTERGENIC		
SNP_52879B_3120	scaffold612	NW_004516037.1	3120	CC	GG	GG	INTERGENIC		
SNP_52880B_3194	scaffold612	NW_004516037.1	3194	GG	AA	AA	INTERGENIC		
SNP_52881B_3195	scaffold612	NW_004516037.1	3195	TT	CC	CC	INTERGENIC		
SNP_52882B_3297	scaffold612	NW_004516037.1	3297	GG	AA	AA	INTERGENIC		
SNP_52884B_3455	scaffold612	NW_004516037.1	3455	GG	AA	AA	INTERGENIC		
SNP_52885B_3512	scaffold612	NW_004516037.1	3512	TT	GG	GG	INTERGENIC		
SNP_52886B_3552	scaffold612	NW_004516037.1	3552	CC	GG	GG	INTERGENIC		
SNP_52887B_17439	scaffold612	NW_004516037.1	17439	AA	TT	TT	INTERGENIC		
SNP_52888B_18613	scaffold612	NW_004516037.1	18613	TT	AA	AA	INTERGENIC		
SNP_52889B_18622	scaffold612	NW_004516037.1	18622	GG	TT	TT	INTERGENIC		
SNP_52890B_20273	scaffold612	NW_004516037.1	20273	AA	GG	GG	INTERGENIC		
SNP_52891B_22047	scaffold612	NW_004516037.1	22047	CC	TT	TT	INTERGENIC		
SNP_52892B_22549	scaffold612	NW_004516037.1	22549	AA	GG	GG	INTERGENIC		
SNP_52893B_22674	scaffold612	NW_004516037.1	22674	GG	CC	CC	INTERGENIC		
SNP_52894B_22779	scaffold612	NW_004516037.1	22779	TT	GG	GG	INTERGENIC		
SNP_52895B_22786	scaffold612	NW_004516037.1	22786	GG	TT	TT	INTERGENIC		
SNP_52896B_23052	scaffold612	NW_004516037.1	23052	AA	GG	GG	INTERGENIC		
SNP_52897B_23073	scaffold612	NW_004516037.1	23073	AA	TT	TT	INTERGENIC		
SNP_52898B_25277	scaffold612	NW_004516037.1	25277	GG	AA	AA	INTERGENIC		
SNP_52899B_25749	scaffold612	NW_004516037.1	25749	AA	GG	GG	INTERGENIC		
SNP_52900B_28238	scaffold612	NW_004516037.1	28238	AA	GG	GG	INTERGENIC		
SNP_52901B_28455	scaffold612	NW_004516037.1	28455	GG	AA	AA	INTERGENIC		
SNP_52902B_28543	scaffold612	NW_004516037.1	28543	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52904B_28609	scaffold612	NW_004516037.1	28609	TT	CC	CC	INTERGENIC		
SNP_52905B_28742	scaffold612	NW_004516037.1	28742	AA	GG	GG	INTERGENIC		
SNP_52906B_28852	scaffold612	NW_004516037.1	28852	AA	GG	GG	INTERGENIC		
SNP_52907B_28927	scaffold612	NW_004516037.1	28927	AA	CC	CC	INTERGENIC		
SNP_52908B_29090	scaffold612	NW_004516037.1	29090	GG	AA	AA	INTERGENIC		
SNP_52909B_29390	scaffold612	NW_004516037.1	29390	AA	GG	GG	INTERGENIC		
SNP_52910B_29412	scaffold612	NW_004516037.1	29412	CC	GG	GG	INTERGENIC		
SNP_52911B_38732	scaffold612	NW_004516037.1	38732	CC	TT	TT	INTERGENIC		
SNP_52912B_38739	scaffold612	NW_004516037.1	38739	AA	GG	GG	INTERGENIC		
SNP_52913B_38960	scaffold612	NW_004516037.1	38960	GG	CC	CC	INTERGENIC		
SNP_52914B_38973	scaffold612	NW_004516037.1	38973	AA	TT	TT	INTERGENIC		
SNP_52915B_24694	scaffold613	NW_004516038.1	24694	GG	AA	AA	INTERGENIC		
SNP_52916B_79388	scaffold613	NW_004516038.1	79388	TT	CC	CC	INTERGENIC		
SNP_52917B_79801	scaffold613	NW_004516038.1	79801	TT	CC	CC	INTERGENIC		
SNP_52918B_1092	scaffold617	NW_004516041.1	1092	TT	GG	GG	INTERGENIC		
SNP_52919B_1191	scaffold617	NW_004516041.1	1191	AA	GG	GG	INTERGENIC		
SNP_52920B_1498	scaffold617	NW_004516041.1	1498	CC	TT	TT	INTERGENIC		
SNP_52921B_8565	scaffold617	NW_004516041.1	8565	CC	TT	TT	INTERGENIC		
SNP_52922B_8869	scaffold617	NW_004516041.1	8869	CC	AA	AA	INTERGENIC		
SNP_52923B_8876	scaffold617	NW_004516041.1	8876	AA	CC	CC	INTERGENIC		
SNP_52925B_8901	scaffold617	NW_004516041.1	8901	CC	TT	AA	INTERGENIC		
SNP_52926B_8908	scaffold617	NW_004516041.1	8908	CC	AA	AA	INTERGENIC		
SNP_52927B_8984	scaffold617	NW_004516041.1	8984	AA	GG	GG	INTERGENIC		
SNP_52928B_6110	scaffold618	NW_004516042.1	6110	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52929B_13901	scaffold618	NW_004516042.1	13901	GG	AA	AA	INTERGENIC		
SNP_52930B_14219	scaffold618	NW_004516042.1	14219	GG	AA	AA	INTERGENIC		
SNP_52931B_14225	scaffold618	NW_004516042.1	14225	TT	AA	AA	INTERGENIC		
SNP_52932B_14227	scaffold618	NW_004516042.1	14227	GG	AA	AA	INTERGENIC		
SNP_52933B_55232	scaffold618	NW_004516042.1	55232	AA	GG	GG	INTERGENIC		
SNP_52934B_55237	scaffold618	NW_004516042.1	55237	AA	GG	GG	INTERGENIC		
SNP_52935B_58954	scaffold618	NW_004516042.1	58954	TT	CC	CC	INTERGENIC		
SNP_52936B_58973	scaffold618	NW_004516042.1	58973	TT	CC	CC	INTERGENIC		
SNP_52937B_59130	scaffold618	NW_004516042.1	59130	CC	AA	AA	INTERGENIC		
SNP_52938B_59434	scaffold618	NW_004516042.1	59434	AA	TT	TT	INTERGENIC		
SNP_52940B_59447	scaffold618	NW_004516042.1	59447	TT	AA	AA	INTERGENIC		
SNP_52941B_59502	scaffold618	NW_004516042.1	59502	TT	CC	CC	INTERGENIC		
SNP_52942B_59506	scaffold618	NW_004516042.1	59506	TT	CC	CC	INTERGENIC		
SNP_52943B_59559	scaffold618	NW_004516042.1	59559	AA	GG	GG	INTERGENIC		
SNP_52944B_59778	scaffold618	NW_004516042.1	59778	CC	TT	TT	INTERGENIC		
SNP_52945B_60608	scaffold618	NW_004516042.1	60608	TT	CC	CC	INTERGENIC		
SNP_52946B_60685	scaffold618	NW_004516042.1	60685	AA	GG	GG	INTERGENIC		
SNP_52947B_62982	scaffold618	NW_004516042.1	62982	AA	TT	TT	INTERGENIC		
SNP_52949B_152893	scaffold618	NW_004516042.1	152893	TT	CC	CC	INTERGENIC		
SNP_52950B_172451	scaffold618	NW_004516042.1	172451	AA	GG	GG	INTERGENIC		
SNP_52951B_216482	scaffold618	NW_004516042.1	216482	GG	TT	TT	INTERGENIC		
SNP_52952B_216646	scaffold618	NW_004516042.1	216646	AA	GG	GG	INTERGENIC		
SNP_52953B_34488	scaffold619	NW_004516043.1	34488	TT	CC	CC	INTERGENIC		
SNP_52954B_46871	scaffold619	NW_004516043.1	46871	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52955B_47128	scaffold619	NW_004516043.1	47128	GG	CC	CC	INTERGENIC		
SNP_52956B_47140	scaffold619	NW_004516043.1	47140	AA	CC	CC	INTERGENIC		
SNP_52957B_88	scaffold620	NW_004516044.1	88	AA	TT	TT	INTERGENIC		
SNP_52958B_1001	scaffold622	NW_004516045.1	1001	AA	GG	GG	INTERGENIC		
SNP_52959B_4669	scaffold622	NW_004516045.1	4669	CC	TT	TT	INTERGENIC		
SNP_52960B_7544	scaffold622	NW_004516045.1	7544	AA	GG	GG	INTERGENIC		
SNP_52961B_7739	scaffold622	NW_004516045.1	7739	TT	GG	GG	INTERGENIC		
SNP_52962B_9806	scaffold622	NW_004516045.1	9806	TT	GG	GG	INTERGENIC		
SNP_52964B_10552	scaffold622	NW_004516045.1	10552	CC	GG	GG	INTERGENIC		
SNP_52965B_22074	scaffold622	NW_004516045.1	22074	AA	GG	GG	INTERGENIC		
SNP_52966B_22106	scaffold622	NW_004516045.1	22106	CC	TT	TT	INTERGENIC		
SNP_52967B_22495	scaffold622	NW_004516045.1	22495	CC	GG	GG	INTERGENIC		
SNP_52968B_22501	scaffold622	NW_004516045.1	22501	CC	AA	AA	INTERGENIC		
SNP_52970B_24165	scaffold622	NW_004516045.1	24165	GG	AA	AA	INTERGENIC		
SNP_52971B_24598	scaffold622	NW_004516045.1	24598	AA	GG	GG	INTERGENIC		
SNP_52972B_24639	scaffold622	NW_004516045.1	24639	GG	CC	CC	INTERGENIC		
SNP_52973B_24737	scaffold622	NW_004516045.1	24737	AA	GG	GG	INTERGENIC		
SNP_52974B_24745	scaffold622	NW_004516045.1	24745	AA	CC	CC	INTERGENIC		
SNP_52975B_24928	scaffold622	NW_004516045.1	24928	AA	TT	TT	INTERGENIC		
SNP_52976B_24930	scaffold622	NW_004516045.1	24930	AA	GG	GG	INTERGENIC		
SNP_52977B_24962	scaffold622	NW_004516045.1	24962	CC	AA	AA	INTERGENIC		
SNP_52978B_25698	scaffold622	NW_004516045.1	25698	GG	TT	TT	INTERGENIC		
SNP_52979B_26069	scaffold622	NW_004516045.1	26069	AA	GG	GG	INTERGENIC		
SNP_52980B_26304	scaffold622	NW_004516045.1	26304	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_52981B_26375	scaffold622	NW_004516045.1	26375	TT	AA	AA	INTERGENIC		
SNP_52982B_26605	scaffold622	NW_004516045.1	26605	CC	AA	AA	INTERGENIC		
SNP_52984B_30918	scaffold622	NW_004516045.1	30918	TT	CC	CC	INTERGENIC		
SNP_52985B_31042	scaffold622	NW_004516045.1	31042	TT	GG	GG	INTERGENIC		
SNP_52986B_31199	scaffold622	NW_004516045.1	31199	GG	CC	CC	INTERGENIC		
SNP_52987B_31288	scaffold622	NW_004516045.1	31288	CC	AA	AA	INTERGENIC		
SNP_52988B_31309	scaffold622	NW_004516045.1	31309	TT	GG	GG	INTERGENIC		
SNP_52989B_31322	scaffold622	NW_004516045.1	31322	TT	AA	AA	INTERGENIC		
SNP_52990B_35823	scaffold622	NW_004516045.1	35823	TT	CC	CC	INTERGENIC		
SNP_52991B_35894	scaffold622	NW_004516045.1	35894	AA	CC	CC	INTERGENIC		
SNP_52992B_35984	scaffold622	NW_004516045.1	35984	CC	TT	TT	INTERGENIC		
SNP_52993B_36082	scaffold622	NW_004516045.1	36082	CC	GG	GG	INTERGENIC		
SNP_52994B_36091	scaffold622	NW_004516045.1	36091	AA	TT	TT	INTERGENIC		
SNP_52995B_36138	scaffold622	NW_004516045.1	36138	GG	TT	TT	INTERGENIC		
SNP_52996B_36187	scaffold622	NW_004516045.1	36187	GG	CC	CC	INTERGENIC		
SNP_52997B_36278	scaffold622	NW_004516045.1	36278	GG	CC	CC	INTERGENIC		
SNP_52998B_36621	scaffold622	NW_004516045.1	36621	GG	AA	AA	INTERGENIC		
SNP_52999B_36641	scaffold622	NW_004516045.1	36641	AA	TT	TT	INTERGENIC		
SNP_53000B_40747	scaffold622	NW_004516045.1	40747	GG	AA	AA	INTERGENIC		
SNP_53001B_41460	scaffold622	NW_004516045.1	41460	AA	GG	GG	INTERGENIC		
SNP_53002B_45308	scaffold622	NW_004516045.1	45308	TT	CC	CC	INTERGENIC		
SNP_53003B_47878	scaffold622	NW_004516045.1	47878	AA	TT	TT	INTERGENIC		
SNP_53004B_48012	scaffold622	NW_004516045.1	48012	TT	AA	AA	INTERGENIC		
SNP_53005B_48048	scaffold622	NW_004516045.1	48048	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53006B_48085	scaffold622	NW_004516045.1	48085	GG	AA	AA	INTERGENIC		
SNP_53008B_48306	scaffold622	NW_004516045.1	48306	TT	AA	AA	INTERGENIC		
SNP_53009B_48925	scaffold622	NW_004516045.1	48925	CC	AA	AA	INTERGENIC		
SNP_53010B_56563	scaffold622	NW_004516045.1	56563	AA	GG	GG	INTERGENIC		
SNP_53011B_56577	scaffold622	NW_004516045.1	56577	AA	CC	CC	INTERGENIC		
SNP_53012B_56706	scaffold622	NW_004516045.1	56706	AA	GG	GG	INTERGENIC		
SNP_53013B_56846	scaffold622	NW_004516045.1	56846	CC	TT	TT	INTERGENIC		
SNP_53014B_56869	scaffold622	NW_004516045.1	56869	CC	GG	GG	INTERGENIC		
SNP_53015B_57087	scaffold622	NW_004516045.1	57087	AA	TT	TT	INTERGENIC		
SNP_53016B_57101	scaffold622	NW_004516045.1	57101	CC	GG	GG	INTERGENIC		
SNP_53017B_57121	scaffold622	NW_004516045.1	57121	AA	TT	TT	INTERGENIC		
SNP_53018B_57207	scaffold622	NW_004516045.1	57207	TT	GG	GG	INTERGENIC		
SNP_53019B_57277	scaffold622	NW_004516045.1	57277	CC	TT	TT	INTERGENIC		
SNP_53020B_57279	scaffold622	NW_004516045.1	57279	AA	GG	GG	INTERGENIC		
SNP_53021B_57291	scaffold622	NW_004516045.1	57291	GG	AA	AA	INTERGENIC		
SNP_53022B_59774	scaffold622	NW_004516045.1	59774	TT	AA	AA	INTERGENIC		
SNP_53023B_59799	scaffold622	NW_004516045.1	59799	AA	GG	GG	INTERGENIC		
SNP_53024B_59838	scaffold622	NW_004516045.1	59838	AA	GG	GG	INTERGENIC		
SNP_53025B_61628	scaffold622	NW_004516045.1	61628	TT	CC	CC	INTERGENIC		
SNP_53026B_61629	scaffold622	NW_004516045.1	61629	GG	TT	TT	INTERGENIC		
SNP_53027B_61637	scaffold622	NW_004516045.1	61637	CC	TT	TT	INTERGENIC		
SNP_53028B_61698	scaffold622	NW_004516045.1	61698	CC	TT	TT	INTERGENIC		
SNP_53030B_63863	scaffold622	NW_004516045.1	63863	AA	GG	GG	INTERGENIC		
SNP_53031B_63889	scaffold622	NW_004516045.1	63889	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53032B_64090	scaffold622	NW_004516045.1	64090	AA	GG	GG	INTERGENIC		
SNP_53033B_64352	scaffold622	NW_004516045.1	64352	GG	CC	CC	INTERGENIC		
SNP_53034B_64439	scaffold622	NW_004516045.1	64439	GG	CC	CC	INTERGENIC		
SNP_53035B_64484	scaffold622	NW_004516045.1	64484	GG	AA	AA	INTERGENIC		
SNP_53036B_65829	scaffold622	NW_004516045.1	65829	GG	CC	CC	INTERGENIC		
SNP_53037B_71732	scaffold622	NW_004516045.1	71732	AA	GG	GG	INTERGENIC		
SNP_53038B_73322	scaffold622	NW_004516045.1	73322	CC	AA	AA	INTERGENIC		
SNP_53039B_73350	scaffold622	NW_004516045.1	73350	AA	GG	GG	INTERGENIC		
SNP_53040B_77360	scaffold622	NW_004516045.1	77360	TT	AA	AA	INTERGENIC		
SNP_53042B_82406	scaffold622	NW_004516045.1	82406	CC	AA	AA	INTERGENIC		
SNP_53043B_84185	scaffold622	NW_004516045.1	84185	AA	TT	TT	INTERGENIC		
SNP_53045B_86370	scaffold622	NW_004516045.1	86370	CC	AA	AA	INTERGENIC		
SNP_53046B_87311	scaffold622	NW_004516045.1	87311	AA	TT	TT	INTERGENIC		
SNP_53047B_88873	scaffold622	NW_004516045.1	88873	TT	AA	AA	INTERGENIC		
SNP_53048B_66983	scaffold624	NW_004516047.1	66983	AA	GG	GG	INTERGENIC		
SNP_53049B_67971	scaffold624	NW_004516047.1	67971	CC	TT	TT	INTERGENIC		
SNP_53050B_68481	scaffold624	NW_004516047.1	68481	TT	CC	CC	INTERGENIC		
SNP_53051B_70055	scaffold624	NW_004516047.1	70055	AA	CC	CC	DRR	101500940	uncharacterized LOC101500940
SNP_53052B_107666	scaffold624	NW_004516047.1	107666	AA	TT	TT	INTERGENIC		
SNP_53053B_112337	scaffold624	NW_004516047.1	112337	GG	AA	AA	INTERGENIC		
SNP_53054B_112355	scaffold624	NW_004516047.1	112355	CC	AA	AA	INTERGENIC		
SNP_53055B_112419	scaffold624	NW_004516047.1	112419	GG	AA	AA	INTERGENIC		
SNP_53057B_112596	scaffold624	NW_004516047.1	112596	CC	TT	TT	INTERGENIC		
SNP_53058B_159713	scaffold624	NW_004516047.1	159713	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53059B_171955	scaffold624	NW_004516047.1	171955	CC	GG	GG	INTERGENIC		
SNP_53060B_188070	scaffold624	NW_004516047.1	188070	GG	AA	AA	INTERGENIC		
SNP_53061B_188201	scaffold624	NW_004516047.1	188201	GG	AA	AA	INTERGENIC		
SNP_53062B_241016	scaffold624	NW_004516047.1	241016	TT	AA	AA	INTRON	101502632	DNA replication ATP-dependent helicase/nuclease DNA2
SNP_53063B_255402	scaffold624	NW_004516047.1	255402	AA	GG	GG	URR	101502632	DNA replication ATP-dependent helicase/nuclease DNA2
SNP_53064B_255452	scaffold624	NW_004516047.1	255452	AA	GG	GG	URR	101502632	DNA replication ATP-dependent helicase/nuclease DNA2
SNP_53065B_255772	scaffold624	NW_004516047.1	255772	AA	GG	GG	URR	101502632	DNA replication ATP-dependent helicase/nuclease DNA2
SNP_53066B_307920	scaffold624	NW_004516047.1	307920	AA	CC	CC	INTERGENIC		
SNP_53067B_310390	scaffold624	NW_004516047.1	310390	AA	TT	TT	INTERGENIC		
SNP_53068B_310519	scaffold624	NW_004516047.1	310519	GG	TT	TT	INTERGENIC		
SNP_53069B_24898	scaffold625	NW_004516048.1	24898	GG	AA	AA	INTERGENIC		
SNP_53070B_25167	scaffold625	NW_004516048.1	25167	AA	TT	TT	INTERGENIC		
SNP_53071B_25169	scaffold625	NW_004516048.1	25169	TT	GG	GG	INTERGENIC		
SNP_53072B_6009	scaffold626	NW_004516049.1	6009	AA	GG	GG	INTERGENIC		
SNP_53073B_6102	scaffold626	NW_004516049.1	6102	AA	TT	TT	INTERGENIC		
SNP_53074B_18222	scaffold626	NW_004516049.1	18222	GG	AA	AA	INTERGENIC		
SNP_53075B_18324	scaffold626	NW_004516049.1	18324	GG	CC	CC	INTERGENIC		
SNP_53076B_18688	scaffold626	NW_004516049.1	18688	CC	GG	GG	INTERGENIC		
SNP_53077B_23815	scaffold626	NW_004516049.1	23815	TT	CC	CC	INTERGENIC		
SNP_53078B_24073	scaffold626	NW_004516049.1	24073	TT	CC	CC	INTERGENIC		
SNP_53079B_48267	scaffold626	NW_004516049.1	48267	TT	CC	CC	INTERGENIC		
SNP_53080B_48653	scaffold626	NW_004516049.1	48653	GG	TT	TT	INTERGENIC		
SNP_53082B_55652	scaffold626	NW_004516049.1	55652	AA	GG	GG	INTERGENIC		
SNP_53083B_56017	scaffold626	NW_004516049.1	56017	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53084B_63014	scaffold626	NW_004516049.1	63014	GG	AA	AA	INTERGENIC		
SNP_53085B_70818	scaffold626	NW_004516049.1	70818	CC	TT	TT	INTERGENIC		
SNP_53086B_72261	scaffold626	NW_004516049.1	72261	AA	CC	CC	INTERGENIC		
SNP_53087B_72271	scaffold626	NW_004516049.1	72271	AA	GG	GG	INTERGENIC		
SNP_53088B_82117	scaffold626	NW_004516049.1	82117	GG	TT	TT	INTERGENIC		
SNP_53089B_88303	scaffold626	NW_004516049.1	88303	GG	CC	CC	INTERGENIC		
SNP_53090B_135674	scaffold626	NW_004516049.1	135674	AA	TT	TT	INTERGENIC		
SNP_53091B_135675	scaffold626	NW_004516049.1	135675	TT	GG	GG	INTERGENIC		
SNP_53092B_135677	scaffold626	NW_004516049.1	135677	GG	AA	AA	INTERGENIC		
SNP_53093B_135717	scaffold626	NW_004516049.1	135717	GG	AA	AA	INTERGENIC		
SNP_53094B_137782	scaffold626	NW_004516049.1	137782	GG	TT	TT	INTERGENIC		
SNP_53095B_137799	scaffold626	NW_004516049.1	137799	TT	CC	CC	INTERGENIC		
SNP_53096B_172623	scaffold626	NW_004516049.1	172623	GG	AA	AA	INTERGENIC		
SNP_53097B_172713	scaffold626	NW_004516049.1	172713	CC	TT	TT	INTERGENIC		
SNP_53099B_172789	scaffold626	NW_004516049.1	172789	AA	GG	GG	INTERGENIC		
SNP_53100B_173147	scaffold626	NW_004516049.1	173147	GG	AA	AA	INTERGENIC		
SNP_53101B_174140	scaffold626	NW_004516049.1	174140	GG	TT	TT	INTERGENIC		
SNP_53102B_174165	scaffold626	NW_004516049.1	174165	GG	AA	AA	INTERGENIC		
SNP_53103B_194131	scaffold626	NW_004516049.1	194131	GG	TT	TT	INTERGENIC		
SNP_53104B_209560	scaffold626	NW_004516049.1	209560	CC	TT	TT	INTERGENIC		
SNP_53105B_209618	scaffold626	NW_004516049.1	209618	GG	AA	AA	INTERGENIC		
SNP_53106B_210182	scaffold626	NW_004516049.1	210182	AA	GG	GG	DRR	101503926	uncharacterized LOC101503926
SNP_53107B_210183	scaffold626	NW_004516049.1	210183	TT	AA	AA	DRR	101503926	uncharacterized LOC101503926
SNP_53108B_210254	scaffold626	NW_004516049.1	210254	AA	CC	CC	DRR	101503926	uncharacterized LOC101503926

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53109B_210509	scaffold626	NW_004516049.1	210509	CC	TT	TT	DRR	101503926	uncharacterized LOC101503926
SNP_53110B_210759	scaffold626	NW_004516049.1	210759	CC	TT	TT	NON_SYNONYMOUS_CODING	101503926	uncharacterized LOC101503926
SNP_53111B_211005	scaffold626	NW_004516049.1	211005	TT	GG	GG	NON_SYNONYMOUS_CODING	101503926	uncharacterized LOC101503926
SNP_53112B_213029	scaffold626	NW_004516049.1	213029	AA	GG	GG	URR	101503926	uncharacterized LOC101503926
SNP_53113B_216954	scaffold626	NW_004516049.1	216954	AA	TT	TT	INTERGENIC		
SNP_53114B_216984	scaffold626	NW_004516049.1	216984	AA	CC	CC	INTERGENIC		
SNP_53115B_218510	scaffold626	NW_004516049.1	218510	TT	AA	AA	INTERGENIC		
SNP_53116B_218715	scaffold626	NW_004516049.1	218715	TT	CC	CC	INTERGENIC		
SNP_53117B_218989	scaffold626	NW_004516049.1	218989	AA	TT	TT	INTERGENIC		
SNP_53119B_219303	scaffold626	NW_004516049.1	219303	TT	GG	GG	INTERGENIC		
SNP_53120B_219481	scaffold626	NW_004516049.1	219481	AA	GG	GG	INTERGENIC		
SNP_53121B_219544	scaffold626	NW_004516049.1	219544	TT	AA	AA	INTERGENIC		
SNP_53122B_219547	scaffold626	NW_004516049.1	219547	AA	TT	TT	INTERGENIC		
SNP_53123B_219578	scaffold626	NW_004516049.1	219578	TT	CC	CC	INTERGENIC		
SNP_53124B_219681	scaffold626	NW_004516049.1	219681	CC	AA	AA	INTERGENIC		
SNP_53125B_219881	scaffold626	NW_004516049.1	219881	AA	GG	GG	INTERGENIC		
SNP_53126B_220078	scaffold626	NW_004516049.1	220078	TT	AA	AA	INTERGENIC		
SNP_53127B_220110	scaffold626	NW_004516049.1	220110	TT	CC	CC	INTERGENIC		
SNP_53128B_220181	scaffold626	NW_004516049.1	220181	TT	CC	CC	INTERGENIC		
SNP_53129B_220467	scaffold626	NW_004516049.1	220467	CC	TT	TT	INTERGENIC		
SNP_53130B_220600	scaffold626	NW_004516049.1	220600	GG	CC	CC	INTERGENIC		
SNP_53131B_220789	scaffold626	NW_004516049.1	220789	TT	CC	CC	INTERGENIC		
SNP_53132B_222190	scaffold626	NW_004516049.1	222190	GG	AA	AA	INTERGENIC		
SNP_53133B_222214	scaffold626	NW_004516049.1	222214	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53134B_223745	scaffold626	NW_004516049.1	223745	TT	GG	GG	INTERGENIC		
SNP_53135B_224202	scaffold626	NW_004516049.1	224202	TT	GG	GG	INTERGENIC		
SNP_53136B_224482	scaffold626	NW_004516049.1	224482	TT	GG	GG	INTERGENIC		
SNP_53137B_224627	scaffold626	NW_004516049.1	224627	TT	CC	CC	INTERGENIC		
SNP_53138B_224768	scaffold626	NW_004516049.1	224768	AA	TT	TT	INTERGENIC		
SNP_53139B_224794	scaffold626	NW_004516049.1	224794	GG	AA	AA	INTERGENIC		
SNP_53140B_224803	scaffold626	NW_004516049.1	224803	AA	GG	GG	INTERGENIC		
SNP_53141B_225604	scaffold626	NW_004516049.1	225604	CC	AA	AA	INTERGENIC		
SNP_53142B_227034	scaffold626	NW_004516049.1	227034	GG	AA	AA	INTERGENIC		
SNP_53143B_227538	scaffold626	NW_004516049.1	227538	AA	CC	CC	INTERGENIC		
SNP_53144B_227607	scaffold626	NW_004516049.1	227607	GG	AA	AA	INTERGENIC		
SNP_53145B_227799	scaffold626	NW_004516049.1	227799	TT	CC	CC	INTERGENIC		
SNP_53146B_227875	scaffold626	NW_004516049.1	227875	GG	CC	CC	INTERGENIC		
SNP_53147B_227921	scaffold626	NW_004516049.1	227921	GG	AA	AA	INTERGENIC		
SNP_53148B_227964	scaffold626	NW_004516049.1	227964	AA	TT	TT	INTERGENIC		
SNP_53149B_228029	scaffold626	NW_004516049.1	228029	CC	AA	AA	INTERGENIC		
SNP_53150B_228046	scaffold626	NW_004516049.1	228046	TT	CC	CC	INTERGENIC		
SNP_53151B_228479	scaffold626	NW_004516049.1	228479	TT	CC	CC	INTERGENIC		
SNP_53152B_228521	scaffold626	NW_004516049.1	228521	TT	CC	CC	INTERGENIC		
SNP_53153B_228746	scaffold626	NW_004516049.1	228746	CC	AA	AA	INTERGENIC		
SNP_53154B_228749	scaffold626	NW_004516049.1	228749	TT	AA	AA	INTERGENIC		
SNP_53155B_228972	scaffold626	NW_004516049.1	228972	GG	AA	AA	INTERGENIC		
SNP_53156B_229059	scaffold626	NW_004516049.1	229059	CC	AA	AA	INTERGENIC		
SNP_53157B_229306	scaffold626	NW_004516049.1	229306	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53158B_234361	scaffold626	NW_004516049.1	234361	CC	AA	AA	URR	101504244	uncharacterized LOC101504244
SNP_53159B_235647	scaffold626	NW_004516049.1	235647	TT	CC	CC	INTERGENIC		
SNP_53160B_235895	scaffold626	NW_004516049.1	235895	TT	CC	CC	INTERGENIC		
SNP_53161B_236055	scaffold626	NW_004516049.1	236055	TT	AA	AA	INTERGENIC		
SNP_53162B_236065	scaffold626	NW_004516049.1	236065	AA	GG	GG	INTERGENIC		
SNP_53163B_236232	scaffold626	NW_004516049.1	236232	CC	GG	GG	INTERGENIC		
SNP_53164B_236233	scaffold626	NW_004516049.1	236233	TT	AA	AA	INTERGENIC		
SNP_53165B_236437	scaffold626	NW_004516049.1	236437	CC	TT	TT	INTERGENIC		
SNP_53166B_236458	scaffold626	NW_004516049.1	236458	GG	AA	AA	INTERGENIC		
SNP_53167B_236623	scaffold626	NW_004516049.1	236623	CC	TT	TT	INTERGENIC		
SNP_53168B_236711	scaffold626	NW_004516049.1	236711	TT	GG	GG	INTERGENIC		
SNP_53169B_236763	scaffold626	NW_004516049.1	236763	TT	CC	CC	INTERGENIC		
SNP_53171B_236956	scaffold626	NW_004516049.1	236956	CC	GG	GG	INTERGENIC		
SNP_53172B_236994	scaffold626	NW_004516049.1	236994	TT	GG	GG	INTERGENIC		
SNP_53173B_237099	scaffold626	NW_004516049.1	237099	TT	AA	AA	INTERGENIC		
SNP_53174B_237129	scaffold626	NW_004516049.1	237129	GG	AA	AA	INTERGENIC		
SNP_53175B_237145	scaffold626	NW_004516049.1	237145	CC	GG	GG	INTERGENIC		
SNP_53176B_237290	scaffold626	NW_004516049.1	237290	TT	CC	CC	INTERGENIC		
SNP_53177B_237397	scaffold626	NW_004516049.1	237397	GG	AA	AA	INTERGENIC		
SNP_53178B_237490	scaffold626	NW_004516049.1	237490	AA	GG	GG	INTERGENIC		
SNP_53179B_237632	scaffold626	NW_004516049.1	237632	CC	TT	TT	INTERGENIC		
SNP_53180B_237875	scaffold626	NW_004516049.1	237875	TT	GG	GG	INTERGENIC		
SNP_53181B_237962	scaffold626	NW_004516049.1	237962	AA	GG	GG	INTERGENIC		
SNP_53182B_238225	scaffold626	NW_004516049.1	238225	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53183B_238331	scaffold626	NW_004516049.1	238331	TT	CC	CC	INTERGENIC		
SNP_53184B_239336	scaffold626	NW_004516049.1	239336	AA	TT	TT	INTERGENIC		
SNP_53185B_239732	scaffold626	NW_004516049.1	239732	GG	AA	AA	INTERGENIC		
SNP_53186B_239916	scaffold626	NW_004516049.1	239916	TT	AA	AA	INTERGENIC		
SNP_53187B_240822	scaffold626	NW_004516049.1	240822	TT	AA	AA	INTERGENIC		
SNP_53188B_240912	scaffold626	NW_004516049.1	240912	TT	CC	CC	INTERGENIC		
SNP_53189B_240914	scaffold626	NW_004516049.1	240914	TT	AA	AA	INTERGENIC		
SNP_53190B_241098	scaffold626	NW_004516049.1	241098	TT	CC	CC	INTERGENIC		
SNP_53191B_241130	scaffold626	NW_004516049.1	241130	AA	GG	GG	INTERGENIC		
SNP_53192B_241252	scaffold626	NW_004516049.1	241252	TT	GG	GG	INTERGENIC		
SNP_53193B_241350	scaffold626	NW_004516049.1	241350	CC	TT	TT	INTERGENIC		
SNP_53194B_241790	scaffold626	NW_004516049.1	241790	GG	CC	CC	INTERGENIC		
SNP_53195B_242072	scaffold626	NW_004516049.1	242072	AA	CC	CC	INTERGENIC		
SNP_53197B_255024	scaffold626	NW_004516049.1	255024	AA	CC	CC	INTERGENIC		
SNP_53198B_257626	scaffold626	NW_004516049.1	257626	CC	TT	TT	INTERGENIC		
SNP_53199B_257753	scaffold626	NW_004516049.1	257753	GG	TT	TT	INTERGENIC		
SNP_53200B_257757	scaffold626	NW_004516049.1	257757	TT	GG	GG	INTERGENIC		
SNP_53201B_257876	scaffold626	NW_004516049.1	257876	TT	CC	CC	INTERGENIC		
SNP_53202B_257908	scaffold626	NW_004516049.1	257908	TT	CC	CC	INTERGENIC		
SNP_53203B_257928	scaffold626	NW_004516049.1	257928	GG	AA	AA	INTERGENIC		
SNP_53204B_257943	scaffold626	NW_004516049.1	257943	CC	TT	TT	INTERGENIC		
SNP_53205B_258136	scaffold626	NW_004516049.1	258136	AA	TT	TT	INTERGENIC		
SNP_53206B_258223	scaffold626	NW_004516049.1	258223	GG	TT	TT	INTERGENIC		
SNP_53207B_259176	scaffold626	NW_004516049.1	259176	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53208B_259187	scaffold626	NW_004516049.1	259187	CC	AA	AA	INTERGENIC		
SNP_53209B_259207	scaffold626	NW_004516049.1	259207	CC	TT	TT	INTERGENIC		
SNP_53210B_260651	scaffold626	NW_004516049.1	260651	TT	CC	CC	INTERGENIC		
SNP_53211B_260744	scaffold626	NW_004516049.1	260744	AA	GG	GG	INTERGENIC		
SNP_53212B_260826	scaffold626	NW_004516049.1	260826	TT	CC	CC	INTERGENIC		
SNP_53213B_260947	scaffold626	NW_004516049.1	260947	CC	TT	TT	INTERGENIC		
SNP_53214B_260974	scaffold626	NW_004516049.1	260974	GG	AA	AA	INTERGENIC		
SNP_53215B_261054	scaffold626	NW_004516049.1	261054	TT	AA	AA	INTERGENIC		
SNP_53216B_268265	scaffold626	NW_004516049.1	268265	GG	TT	TT	INTERGENIC		
SNP_53217B_268401	scaffold626	NW_004516049.1	268401	AA	CC	CC	INTERGENIC		
SNP_53218B_268477	scaffold626	NW_004516049.1	268477	AA	GG	GG	INTERGENIC		
SNP_53219B_268602	scaffold626	NW_004516049.1	268602	GG	AA	AA	INTERGENIC		
SNP_53220B_268669	scaffold626	NW_004516049.1	268669	GG	AA	AA	INTERGENIC		
SNP_53221B_268864	scaffold626	NW_004516049.1	268864	CC	GG	GG	INTERGENIC		
SNP_53222B_270224	scaffold626	NW_004516049.1	270224	TT	AA	AA	INTERGENIC		
SNP_53223B_270450	scaffold626	NW_004516049.1	270450	GG	AA	AA	INTERGENIC		
SNP_53224B_270475	scaffold626	NW_004516049.1	270475	GG	CC	CC	INTERGENIC		
SNP_53225B_270544	scaffold626	NW_004516049.1	270544	GG	AA	AA	INTERGENIC		
SNP_53226B_270568	scaffold626	NW_004516049.1	270568	AA	GG	GG	INTERGENIC		
SNP_53227B_270613	scaffold626	NW_004516049.1	270613	TT	AA	AA	INTERGENIC		
SNP_53228B_270614	scaffold626	NW_004516049.1	270614	AA	TT	TT	INTERGENIC		
SNP_53229B_271219	scaffold626	NW_004516049.1	271219	AA	GG	GG	INTERGENIC		
SNP_53230B_271541	scaffold626	NW_004516049.1	271541	CC	TT	TT	INTERGENIC		
SNP_53231B_271542	scaffold626	NW_004516049.1	271542	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53232B_271670	scaffold626	NW_004516049.1	271670	AA	TT	TT	INTERGENIC		
SNP_53233B_273439	scaffold626	NW_004516049.1	273439	CC	TT	TT	INTERGENIC		
SNP_53234B_275234	scaffold626	NW_004516049.1	275234	TT	AA	AA	INTERGENIC		
SNP_53235B_275719	scaffold626	NW_004516049.1	275719	AA	GG	GG	INTERGENIC		
SNP_53236B_275745	scaffold626	NW_004516049.1	275745	AA	GG	GG	INTERGENIC		
SNP_53237B_276385	scaffold626	NW_004516049.1	276385	GG	CC	CC	INTERGENIC		
SNP_53238B_279899	scaffold626	NW_004516049.1	279899	AA	CC	CC	INTERGENIC		
SNP_53239B_280240	scaffold626	NW_004516049.1	280240	CC	GG	GG	INTERGENIC		
SNP_53240B_281247	scaffold626	NW_004516049.1	281247	AA	GG	GG	INTERGENIC		
SNP_53241B_281429	scaffold626	NW_004516049.1	281429	GG	AA	AA	INTERGENIC		
SNP_53242B_281468	scaffold626	NW_004516049.1	281468	CC	AA	AA	INTERGENIC		
SNP_53243B_281476	scaffold626	NW_004516049.1	281476	AA	CC	CC	INTERGENIC		
SNP_53244B_281478	scaffold626	NW_004516049.1	281478	GG	AA	AA	INTERGENIC		
SNP_53245B_281570	scaffold626	NW_004516049.1	281570	AA	TT	TT	INTERGENIC		
SNP_53246B_281612	scaffold626	NW_004516049.1	281612	CC	TT	TT	INTERGENIC		
SNP_53247B_281623	scaffold626	NW_004516049.1	281623	TT	AA	AA	INTERGENIC		
SNP_53248B_281636	scaffold626	NW_004516049.1	281636	AA	GG	GG	INTERGENIC		
SNP_53249B_281728	scaffold626	NW_004516049.1	281728	AA	CC	CC	INTERGENIC		
SNP_53250B_282809	scaffold626	NW_004516049.1	282809	TT	AA	AA	INTERGENIC		
SNP_53251B_283121	scaffold626	NW_004516049.1	283121	AA	TT	TT	INTERGENIC		
SNP_53252B_296059	scaffold626	NW_004516049.1	296059	CC	TT	TT	INTERGENIC		
SNP_53253B_296083	scaffold626	NW_004516049.1	296083	CC	TT	TT	INTERGENIC		
SNP_53254B_296095	scaffold626	NW_004516049.1	296095	CC	TT	TT	INTERGENIC		
SNP_53255B_296448	scaffold626	NW_004516049.1	296448	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53256B_302544	scaffold626	NW_004516049.1	302544	CC	TT	TT	INTERGENIC		
SNP_53257B_302569	scaffold626	NW_004516049.1	302569	CC	TT	TT	INTERGENIC		
SNP_53258B_340638	scaffold626	NW_004516049.1	340638	GG	AA	AA	INTERGENIC		
SNP_53259B_347589	scaffold626	NW_004516049.1	347589	CC	TT	TT	INTERGENIC		
SNP_53260B_351725	scaffold626	NW_004516049.1	351725	TT	CC	CC	INTERGENIC		
SNP_53261B_351752	scaffold626	NW_004516049.1	351752	AA	GG	GG	INTERGENIC		
SNP_53262B_351808	scaffold626	NW_004516049.1	351808	CC	AA	AA	INTERGENIC		
SNP_53263B_352112	scaffold626	NW_004516049.1	352112	CC	TT	TT	INTERGENIC		
SNP_53265B_356106	scaffold626	NW_004516049.1	356106	GG	AA	AA	INTERGENIC		
SNP_53266B_368053	scaffold626	NW_004516049.1	368053	GG	TT	TT	INTERGENIC		
SNP_53267B_371611	scaffold626	NW_004516049.1	371611	GG	TT	TT	INTERGENIC		
SNP_53268B_371624	scaffold626	NW_004516049.1	371624	GG	TT	TT	INTERGENIC		
SNP_53269B_377046	scaffold626	NW_004516049.1	377046	GG	TT	TT	INTERGENIC		
SNP_53270B_377108	scaffold626	NW_004516049.1	377108	GG	AA	AA	INTERGENIC		
SNP_53271B_386051	scaffold626	NW_004516049.1	386051	AA	CC	CC	INTERGENIC		
SNP_53272B_386268	scaffold626	NW_004516049.1	386268	AA	GG	GG	INTERGENIC		
SNP_53273B_386307	scaffold626	NW_004516049.1	386307	TT	CC	CC	INTERGENIC		
SNP_53274B_386312	scaffold626	NW_004516049.1	386312	TT	AA	AA	INTERGENIC		
SNP_53275B_386374	scaffold626	NW_004516049.1	386374	AA	GG	GG	INTERGENIC		
SNP_53276B_387794	scaffold626	NW_004516049.1	387794	GG	TT	TT	INTERGENIC		
SNP_53277B_387840	scaffold626	NW_004516049.1	387840	AA	TT	TT	INTERGENIC		
SNP_53278B_387876	scaffold626	NW_004516049.1	387876	GG	AA	AA	INTERGENIC		
SNP_53279B_387916	scaffold626	NW_004516049.1	387916	AA	TT	TT	INTERGENIC		
SNP_53280B_387917	scaffold626	NW_004516049.1	387917	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53282B_387925	scaffold626	NW_004516049.1	387925	TT	AA	AA	INTERGENIC		
SNP_53283B_388151	scaffold626	NW_004516049.1	388151	TT	AA	AA	INTERGENIC		
SNP_53284B_388458	scaffold626	NW_004516049.1	388458	GG	AA	AA	INTERGENIC		
SNP_53285B_396249	scaffold626	NW_004516049.1	396249	AA	GG	GG	INTERGENIC		
SNP_53286B_420714	scaffold626	NW_004516049.1	420714	AA	CC	CC	INTERGENIC		
SNP_53287B_420740	scaffold626	NW_004516049.1	420740	AA	GG	GG	INTERGENIC		
SNP_53288B_424212	scaffold626	NW_004516049.1	424212	AA	GG	GG	INTERGENIC		
SNP_53289B_424519	scaffold626	NW_004516049.1	424519	TT	CC	CC	INTERGENIC		
SNP_53290B_424547	scaffold626	NW_004516049.1	424547	AA	GG	GG	INTERGENIC		
SNP_53291B_451660	scaffold626	NW_004516049.1	451660	CC	GG	GG	INTERGENIC		
SNP_53292B_451724	scaffold626	NW_004516049.1	451724	GG	CC	CC	INTERGENIC		
SNP_53294B_452145	scaffold626	NW_004516049.1	452145	TT	CC	CC	INTERGENIC		
SNP_53295B_452379	scaffold626	NW_004516049.1	452379	TT	AA	AA	INTERGENIC		
SNP_53296B_452390	scaffold626	NW_004516049.1	452390	CC	TT	TT	INTERGENIC		
SNP_53297B_452401	scaffold626	NW_004516049.1	452401	TT	GG	GG	INTERGENIC		
SNP_53298B_453234	scaffold626	NW_004516049.1	453234	AA	TT	TT	INTERGENIC		
SNP_53299B_453366	scaffold626	NW_004516049.1	453366	AA	GG	GG	INTERGENIC		
SNP_53300B_453456	scaffold626	NW_004516049.1	453456	CC	TT	TT	INTERGENIC		
SNP_53301B_453615	scaffold626	NW_004516049.1	453615	CC	TT	TT	INTERGENIC		
SNP_53302B_453658	scaffold626	NW_004516049.1	453658	CC	TT	TT	INTERGENIC		
SNP_53303B_453711	scaffold626	NW_004516049.1	453711	GG	AA	AA	INTERGENIC		
SNP_53304B_453753	scaffold626	NW_004516049.1	453753	CC	TT	TT	INTERGENIC		
SNP_53305B_453761	scaffold626	NW_004516049.1	453761	GG	AA	AA	INTERGENIC		
SNP_53306B_453811	scaffold626	NW_004516049.1	453811	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53307B_453854	scaffold626	NW_004516049.1	453854	GG	TT	TT	INTERGENIC		
SNP_53308B_453913	scaffold626	NW_004516049.1	453913	AA	GG	GG	INTERGENIC		
SNP_53309B_453936	scaffold626	NW_004516049.1	453936	AA	TT	TT	INTERGENIC		
SNP_53310B_453997	scaffold626	NW_004516049.1	453997	CC	GG	GG	INTERGENIC		
SNP_53311B_454100	scaffold626	NW_004516049.1	454100	GG	CC	CC	INTERGENIC		
SNP_53312B_454113	scaffold626	NW_004516049.1	454113	CC	TT	TT	INTERGENIC		
SNP_53313B_454170	scaffold626	NW_004516049.1	454170	AA	GG	GG	INTERGENIC		
SNP_53314B_454224	scaffold626	NW_004516049.1	454224	AA	GG	GG	INTERGENIC		
SNP_53315B_454264	scaffold626	NW_004516049.1	454264	AA	TT	TT	INTERGENIC		
SNP_53316B_454430	scaffold626	NW_004516049.1	454430	AA	TT	TT	INTERGENIC		
SNP_53317B_460544	scaffold626	NW_004516049.1	460544	TT	AA	AA	INTERGENIC		
SNP_53318B_461051	scaffold626	NW_004516049.1	461051	TT	AA	AA	INTERGENIC		
SNP_53319B_461629	scaffold626	NW_004516049.1	461629	TT	CC	CC	INTERGENIC		
SNP_53320B_462036	scaffold626	NW_004516049.1	462036	TT	CC	CC	INTERGENIC		
SNP_53321B_463306	scaffold626	NW_004516049.1	463306	TT	GG	GG	INTERGENIC		
SNP_53322B_463450	scaffold626	NW_004516049.1	463450	GG	TT	TT	INTERGENIC		
SNP_53323B_463459	scaffold626	NW_004516049.1	463459	GG	AA	AA	INTERGENIC		
SNP_53324B_463656	scaffold626	NW_004516049.1	463656	AA	CC	CC	INTERGENIC		
SNP_53325B_463757	scaffold626	NW_004516049.1	463757	CC	TT	TT	INTERGENIC		
SNP_53326B_463829	scaffold626	NW_004516049.1	463829	GG	AA	AA	INTERGENIC		
SNP_53327B_463845	scaffold626	NW_004516049.1	463845	AA	GG	GG	INTERGENIC		
SNP_53328B_463930	scaffold626	NW_004516049.1	463930	AA	GG	GG	INTERGENIC		
SNP_53329B_464062	scaffold626	NW_004516049.1	464062	CC	AA	AA	INTERGENIC		
SNP_53330B_464081	scaffold626	NW_004516049.1	464081	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53331B_464088	scaffold626	NW_004516049.1	464088	CC	TT	TT	INTERGENIC		
SNP_53332B_464195	scaffold626	NW_004516049.1	464195	GG	AA	AA	INTERGENIC		
SNP_53333B_465312	scaffold626	NW_004516049.1	465312	CC	TT	TT	INTERGENIC		
SNP_53334B_467489	scaffold626	NW_004516049.1	467489	AA	CC	CC	INTERGENIC		
SNP_53335B_467674	scaffold626	NW_004516049.1	467674	CC	AA	AA	INTERGENIC		
SNP_53336B_467677	scaffold626	NW_004516049.1	467677	CC	AA	AA	INTERGENIC		
SNP_53337B_467679	scaffold626	NW_004516049.1	467679	CC	TT	TT	INTERGENIC		
SNP_53338B_470190	scaffold626	NW_004516049.1	470190	CC	AA	AA	INTERGENIC		
SNP_53339B_475473	scaffold626	NW_004516049.1	475473	AA	GG	GG	INTERGENIC		
SNP_53340B_476333	scaffold626	NW_004516049.1	476333	TT	GG	GG	INTERGENIC		
SNP_53341B_476413	scaffold626	NW_004516049.1	476413	TT	CC	CC	INTERGENIC		
SNP_53342B_477437	scaffold626	NW_004516049.1	477437	CC	TT	TT	INTERGENIC		
SNP_53343B_477458	scaffold626	NW_004516049.1	477458	GG	TT	TT	INTERGENIC		
SNP_53344B_477815	scaffold626	NW_004516049.1	477815	GG	AA	AA	INTERGENIC		
SNP_53345B_478906	scaffold626	NW_004516049.1	478906	TT	GG	GG	INTERGENIC		
SNP_53346B_479915	scaffold626	NW_004516049.1	479915	AA	GG	GG	INTERGENIC		
SNP_53347B_480397	scaffold626	NW_004516049.1	480397	CC	TT	TT	INTERGENIC		
SNP_53348B_483525	scaffold626	NW_004516049.1	483525	GG	CC	CC	INTERGENIC		
SNP_53349B_483580	scaffold626	NW_004516049.1	483580	AA	CC	CC	INTERGENIC		
SNP_53350B_483942	scaffold626	NW_004516049.1	483942	AA	GG	GG	INTERGENIC		
SNP_53351B_483957	scaffold626	NW_004516049.1	483957	GG	AA	AA	INTERGENIC		
SNP_53352B_484233	scaffold626	NW_004516049.1	484233	GG	AA	AA	INTERGENIC		
SNP_53353B_484305	scaffold626	NW_004516049.1	484305	GG	AA	AA	INTERGENIC		
SNP_53354B_485063	scaffold626	NW_004516049.1	485063	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53355B_485183	scaffold626	NW_004516049.1	485183	GG	TT	TT	INTERGENIC		
SNP_53356B_485383	scaffold626	NW_004516049.1	485383	GG	AA	AA	INTERGENIC		
SNP_53357B_485596	scaffold626	NW_004516049.1	485596	TT	AA	AA	INTERGENIC		
SNP_53358B_486056	scaffold626	NW_004516049.1	486056	AA	GG	GG	INTERGENIC		
SNP_53360B_487625	scaffold626	NW_004516049.1	487625	CC	AA	AA	INTERGENIC		
SNP_53361B_488688	scaffold626	NW_004516049.1	488688	AA	TT	TT	INTERGENIC		
SNP_53362B_488696	scaffold626	NW_004516049.1	488696	CC	TT	TT	INTERGENIC		
SNP_53363B_488705	scaffold626	NW_004516049.1	488705	GG	TT	TT	INTERGENIC		
SNP_53364B_488731	scaffold626	NW_004516049.1	488731	TT	GG	GG	INTERGENIC		
SNP_53365B_488893	scaffold626	NW_004516049.1	488893	AA	TT	TT	INTERGENIC		
SNP_53366B_490135	scaffold626	NW_004516049.1	490135	TT	AA	AA	INTERGENIC		
SNP_53367B_490715	scaffold626	NW_004516049.1	490715	GG	AA	AA	INTERGENIC		
SNP_53368B_491138	scaffold626	NW_004516049.1	491138	GG	AA	AA	INTERGENIC		
SNP_53369B_504936	scaffold626	NW_004516049.1	504936	AA	GG	GG	INTERGENIC		
SNP_53370B_505256	scaffold626	NW_004516049.1	505256	AA	GG	GG	INTERGENIC		
SNP_53371B_505273	scaffold626	NW_004516049.1	505273	GG	CC	CC	INTERGENIC		
SNP_53372B_505839	scaffold626	NW_004516049.1	505839	CC	GG	GG	INTERGENIC		
SNP_53373B_509286	scaffold626	NW_004516049.1	509286	TT	GG	GG	INTERGENIC		
SNP_53374B_509485	scaffold626	NW_004516049.1	509485	AA	TT	TT	INTERGENIC		
SNP_53375B_509686	scaffold626	NW_004516049.1	509686	GG	CC	CC	INTERGENIC		
SNP_53376B_509952	scaffold626	NW_004516049.1	509952	GG	AA	AA	INTERGENIC		
SNP_53377B_510003	scaffold626	NW_004516049.1	510003	CC	TT	TT	INTERGENIC		
SNP_53379B_512674	scaffold626	NW_004516049.1	512674	CC	TT	TT	INTERGENIC		
SNP_53380B_515412	scaffold626	NW_004516049.1	515412	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53381B_515605	scaffold626	NW_004516049.1	515605	AA	CC	CC	INTERGENIC		
SNP_53382B_515662	scaffold626	NW_004516049.1	515662	TT	CC	CC	INTERGENIC		
SNP_53383B_515666	scaffold626	NW_004516049.1	515666	AA	GG	GG	INTERGENIC		
SNP_53384B_515683	scaffold626	NW_004516049.1	515683	CC	TT	TT	INTERGENIC		
SNP_53385B_515719	scaffold626	NW_004516049.1	515719	CC	TT	TT	INTERGENIC		
SNP_53386B_515817	scaffold626	NW_004516049.1	515817	CC	TT	TT	INTERGENIC		
SNP_53387B_516955	scaffold626	NW_004516049.1	516955	AA	GG	GG	INTERGENIC		
SNP_53388B_517125	scaffold626	NW_004516049.1	517125	GG	AA	AA	INTERGENIC		
SNP_53389B_517291	scaffold626	NW_004516049.1	517291	AA	GG	GG	INTERGENIC		
SNP_53390B_517501	scaffold626	NW_004516049.1	517501	CC	GG	GG	INTERGENIC		
SNP_53391B_518086	scaffold626	NW_004516049.1	518086	AA	CC	CC	INTERGENIC		
SNP_53392B_519409	scaffold626	NW_004516049.1	519409	GG	TT	TT	INTERGENIC		
SNP_53393B_519428	scaffold626	NW_004516049.1	519428	TT	CC	CC	INTERGENIC		
SNP_53394B_519541	scaffold626	NW_004516049.1	519541	AA	CC	CC	INTERGENIC		
SNP_53395B_520426	scaffold626	NW_004516049.1	520426	AA	TT	TT	INTERGENIC		
SNP_53396B_521180	scaffold626	NW_004516049.1	521180	GG	AA	AA	INTERGENIC		
SNP_53397B_521192	scaffold626	NW_004516049.1	521192	TT	GG	GG	INTERGENIC		
SNP_53398B_521470	scaffold626	NW_004516049.1	521470	TT	AA	AA	INTERGENIC		
SNP_53399B_522226	scaffold626	NW_004516049.1	522226	AA	TT	TT	INTERGENIC		
SNP_53400B_522327	scaffold626	NW_004516049.1	522327	AA	GG	GG	INTERGENIC		
SNP_53402B_522582	scaffold626	NW_004516049.1	522582	TT	CC	CC	INTERGENIC		
SNP_53403B_522616	scaffold626	NW_004516049.1	522616	CC	TT	TT	INTERGENIC		
SNP_53404B_522892	scaffold626	NW_004516049.1	522892	GG	AA	AA	INTERGENIC		
SNP_53405B_522970	scaffold626	NW_004516049.1	522970	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53406B_522994	scaffold626	NW_004516049.1	522994	TT	CC	CC	INTERGENIC		
SNP_53407B_523844	scaffold626	NW_004516049.1	523844	CC	TT	TT	INTERGENIC		
SNP_53408B_524134	scaffold626	NW_004516049.1	524134	TT	GG	GG	INTERGENIC		
SNP_53409B_524231	scaffold626	NW_004516049.1	524231	TT	CC	CC	INTERGENIC		
SNP_53410B_524239	scaffold626	NW_004516049.1	524239	AA	TT	TT	INTERGENIC		
SNP_53411B_524287	scaffold626	NW_004516049.1	524287	AA	GG	GG	INTERGENIC		
SNP_53412B_524312	scaffold626	NW_004516049.1	524312	CC	TT	TT	INTERGENIC		
SNP_53413B_524495	scaffold626	NW_004516049.1	524495	TT	CC	CC	INTERGENIC		
SNP_53414B_524512	scaffold626	NW_004516049.1	524512	GG	AA	AA	INTERGENIC		
SNP_53416B_524763	scaffold626	NW_004516049.1	524763	CC	TT	TT	INTERGENIC		
SNP_53417B_525038	scaffold626	NW_004516049.1	525038	AA	GG	GG	INTERGENIC		
SNP_53418B_525736	scaffold626	NW_004516049.1	525736	GG	TT	TT	INTERGENIC		
SNP_53419B_525765	scaffold626	NW_004516049.1	525765	TT	CC	CC	INTERGENIC		
SNP_53420B_525891	scaffold626	NW_004516049.1	525891	TT	GG	GG	INTERGENIC		
SNP_53421B_525999	scaffold626	NW_004516049.1	525999	TT	GG	GG	INTERGENIC		
SNP_53422B_527003	scaffold626	NW_004516049.1	527003	GG	CC	CC	INTERGENIC		
SNP_53423B_527024	scaffold626	NW_004516049.1	527024	TT	CC	CC	INTERGENIC		
SNP_53424B_527063	scaffold626	NW_004516049.1	527063	GG	AA	AA	INTERGENIC		
SNP_53425B_527065	scaffold626	NW_004516049.1	527065	GG	AA	AA	INTERGENIC		
SNP_53426B_527079	scaffold626	NW_004516049.1	527079	AA	GG	GG	INTERGENIC		
SNP_53427B_527434	scaffold626	NW_004516049.1	527434	CC	GG	GG	INTERGENIC		
SNP_53429B_527853	scaffold626	NW_004516049.1	527853	GG	AA	AA	INTERGENIC		
SNP_53430B_529956	scaffold626	NW_004516049.1	529956	TT	GG	GG	INTERGENIC		
SNP_53431B_530127	scaffold626	NW_004516049.1	530127	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53432B_531319	scaffold626	NW_004516049.1	531319	CC	AA	AA	INTERGENIC		
SNP_53433B_533127	scaffold626	NW_004516049.1	533127	GG	AA	AA	INTERGENIC		
SNP_53434B_533151	scaffold626	NW_004516049.1	533151	TT	AA	AA	INTERGENIC		
SNP_53435B_533605	scaffold626	NW_004516049.1	533605	CC	GG	GG	INTERGENIC		
SNP_53436B_533765	scaffold626	NW_004516049.1	533765	GG	CC	CC	INTERGENIC		
SNP_53437B_542727	scaffold626	NW_004516049.1	542727	TT	CC	CC	INTERGENIC		
SNP_53438B_542978	scaffold626	NW_004516049.1	542978	CC	TT	TT	INTERGENIC		
SNP_53439B_542980	scaffold626	NW_004516049.1	542980	GG	CC	CC	INTERGENIC		
SNP_53440B_543266	scaffold626	NW_004516049.1	543266	CC	GG	GG	INTERGENIC		
SNP_53441B_544565	scaffold626	NW_004516049.1	544565	CC	GG	GG	INTERGENIC		
SNP_53442B_544758	scaffold626	NW_004516049.1	544758	GG	AA	AA	INTERGENIC		
SNP_53443B_544759	scaffold626	NW_004516049.1	544759	CC	AA	AA	INTERGENIC		
SNP_53444B_546576	scaffold626	NW_004516049.1	546576	CC	AA	AA	INTERGENIC		
SNP_53445B_549832	scaffold626	NW_004516049.1	549832	TT	CC	CC	INTERGENIC		
SNP_53446B_551496	scaffold626	NW_004516049.1	551496	GG	AA	AA	INTERGENIC		
SNP_53447B_551912	scaffold626	NW_004516049.1	551912	TT	CC	CC	INTERGENIC		
SNP_53448B_552193	scaffold626	NW_004516049.1	552193	TT	CC	CC	INTERGENIC		
SNP_53449B_552209	scaffold626	NW_004516049.1	552209	GG	CC	CC	INTERGENIC		
SNP_53450B_552275	scaffold626	NW_004516049.1	552275	TT	CC	CC	INTERGENIC		
SNP_53451B_552316	scaffold626	NW_004516049.1	552316	GG	TT	TT	INTERGENIC		
SNP_53452B_552537	scaffold626	NW_004516049.1	552537	CC	GG	GG	INTERGENIC		
SNP_53453B_552547	scaffold626	NW_004516049.1	552547	GG	CC	CC	INTERGENIC		
SNP_53454B_552682	scaffold626	NW_004516049.1	552682	GG	AA	AA	INTERGENIC		
SNP_53455B_552960	scaffold626	NW_004516049.1	552960	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53456B_553311	scaffold626	NW_004516049.1	553311	TT	CC	CC	INTERGENIC		
SNP_53457B_554748	scaffold626	NW_004516049.1	554748	TT	CC	CC	INTERGENIC		
SNP_53458B_555043	scaffold626	NW_004516049.1	555043	GG	AA	AA	INTERGENIC		
SNP_53459B_555108	scaffold626	NW_004516049.1	555108	TT	GG	GG	INTERGENIC		
SNP_53460B_556472	scaffold626	NW_004516049.1	556472	AA	TT	TT	INTERGENIC		
SNP_53461B_558920	scaffold626	NW_004516049.1	558920	TT	AA	AA	INTERGENIC		
SNP_53462B_559566	scaffold626	NW_004516049.1	559566	CC	TT	TT	INTERGENIC		
SNP_53463B_561295	scaffold626	NW_004516049.1	561295	AA	GG	GG	INTERGENIC		
SNP_53464B_561348	scaffold626	NW_004516049.1	561348	TT	AA	AA	INTERGENIC		
SNP_53465B_561382	scaffold626	NW_004516049.1	561382	AA	TT	TT	INTERGENIC		
SNP_53466B_561474	scaffold626	NW_004516049.1	561474	GG	CC	CC	INTERGENIC		
SNP_53467B_561654	scaffold626	NW_004516049.1	561654	CC	TT	TT	INTERGENIC		
SNP_53468B_561747	scaffold626	NW_004516049.1	561747	GG	TT	TT	INTERGENIC		
SNP_53469B_561794	scaffold626	NW_004516049.1	561794	CC	TT	TT	INTERGENIC		
SNP_53470B_561837	scaffold626	NW_004516049.1	561837	CC	TT	TT	INTERGENIC		
SNP_53471B_561847	scaffold626	NW_004516049.1	561847	TT	CC	CC	INTERGENIC		
SNP_53472B_561868	scaffold626	NW_004516049.1	561868	GG	AA	AA	INTERGENIC		
SNP_53473B_562035	scaffold626	NW_004516049.1	562035	TT	GG	GG	INTERGENIC		
SNP_53474B_569915	scaffold626	NW_004516049.1	569915	AA	TT	TT	INTERGENIC		
SNP_53475B_571973	scaffold626	NW_004516049.1	571973	GG	AA	AA	INTERGENIC		
SNP_53476B_571980	scaffold626	NW_004516049.1	571980	AA	GG	GG	INTERGENIC		
SNP_53477B_572307	scaffold626	NW_004516049.1	572307	TT	GG	GG	INTERGENIC		
SNP_53478B_574319	scaffold626	NW_004516049.1	574319	AA	GG	GG	INTERGENIC		
SNP_53479B_574595	scaffold626	NW_004516049.1	574595	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53480B_575002	scaffold626	NW_004516049.1	575002	GG	TT	TT	INTERGENIC		
SNP_53481B_576218	scaffold626	NW_004516049.1	576218	TT	GG	GG	INTERGENIC		
SNP_53482B_576441	scaffold626	NW_004516049.1	576441	GG	AA	AA	INTERGENIC		
SNP_53483B_581811	scaffold626	NW_004516049.1	581811	CC	TT	TT	INTERGENIC		
SNP_53484B_589763	scaffold626	NW_004516049.1	589763	TT	AA	AA	INTERGENIC		
SNP_53485B_589773	scaffold626	NW_004516049.1	589773	CC	AA	AA	INTERGENIC		
SNP_53486B_590445	scaffold626	NW_004516049.1	590445	CC	TT	TT	INTERGENIC		
SNP_53487B_590448	scaffold626	NW_004516049.1	590448	AA	GG	GG	INTERGENIC		
SNP_53488B_591085	scaffold626	NW_004516049.1	591085	AA	GG	GG	INTERGENIC		
SNP_53489B_591898	scaffold626	NW_004516049.1	591898	CC	TT	TT	INTERGENIC		
SNP_53490B_592206	scaffold626	NW_004516049.1	592206	GG	CC	CC	INTERGENIC		
SNP_53491B_592208	scaffold626	NW_004516049.1	592208	GG	TT	TT	INTERGENIC		
SNP_53492B_631288	scaffold626	NW_004516049.1	631288	TT	AA	AA	INTERGENIC		
SNP_53493B_631365	scaffold626	NW_004516049.1	631365	AA	TT	TT	INTERGENIC		
SNP_53494B_634697	scaffold626	NW_004516049.1	634697	CC	AA	AA	INTERGENIC		
SNP_53495B_60833	scaffold627	NW_004516050.1	60833	TT	CC	CC	INTERGENIC		
SNP_53496B_61020	scaffold627	NW_004516050.1	61020	GG	AA	AA	INTERGENIC		
SNP_53497B_61045	scaffold627	NW_004516050.1	61045	AA	TT	TT	INTERGENIC		
SNP_53498B_61050	scaffold627	NW_004516050.1	61050	TT	CC	AA	INTERGENIC		
SNP_53499B_61074	scaffold627	NW_004516050.1	61074	TT	CC	CC	INTERGENIC		
SNP_53500B_61515	scaffold627	NW_004516050.1	61515	CC	AA	AA	INTERGENIC		
SNP_53501B_66277	scaffold627	NW_004516050.1	66277	GG	TT	TT	INTERGENIC		
SNP_53502B_1191	scaffold629	NW_004516051.1	1191	CC	TT	TT	INTERGENIC		
SNP_53503B_12626	scaffold629	NW_004516051.1	12626	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53505B_12648	scaffold629	NW_004516051.1	12648	TT	AA	AA	INTERGENIC		
SNP_53506B_12657	scaffold629	NW_004516051.1	12657	TT	GG	GG	INTERGENIC		
SNP_53507B_13036	scaffold629	NW_004516051.1	13036	AA	TT	TT	INTERGENIC		
SNP_53508B_15007	scaffold629	NW_004516051.1	15007	TT	AA	AA	INTERGENIC		
SNP_53509B_30653	scaffold629	NW_004516051.1	30653	CC	TT	TT	INTERGENIC		
SNP_53510B_30734	scaffold629	NW_004516051.1	30734	GG	AA	AA	INTERGENIC		
SNP_53511B_30968	scaffold629	NW_004516051.1	30968	TT	AA	AA	INTERGENIC		
SNP_53512B_39063	scaffold629	NW_004516051.1	39063	AA	GG	GG	INTERGENIC		
SNP_53513B_56206	scaffold629	NW_004516051.1	56206	GG	AA	AA	INTERGENIC		
SNP_53514B_56593	scaffold629	NW_004516051.1	56593	TT	CC	CC	INTERGENIC		
SNP_53515B_58567	scaffold629	NW_004516051.1	58567	AA	GG	GG	INTERGENIC		
SNP_53516B_1378	scaffold631	NW_004516052.1	1378	CC	TT	TT	INTERGENIC		
SNP_53517B_11986	scaffold631	NW_004516052.1	11986	AA	TT	TT	INTERGENIC		
SNP_53518B_12962	scaffold631	NW_004516052.1	12962	AA	GG	GG	INTERGENIC		
SNP_53519B_13141	scaffold631	NW_004516052.1	13141	AA	GG	GG	INTERGENIC		
SNP_53520B_13170	scaffold631	NW_004516052.1	13170	AA	GG	GG	INTERGENIC		
SNP_53521B_22518	scaffold631	NW_004516052.1	22518	GG	TT	TT	INTERGENIC		
SNP_53522B_22767	scaffold631	NW_004516052.1	22767	TT	CC	CC	INTERGENIC		
SNP_53523B_46428	scaffold631	NW_004516052.1	46428	TT	AA	AA	INTERGENIC		
SNP_53524B_46436	scaffold631	NW_004516052.1	46436	AA	GG	GG	INTERGENIC		
SNP_53525B_52968	scaffold631	NW_004516052.1	52968	TT	CC	CC	INTERGENIC		
SNP_53527B_53770	scaffold631	NW_004516052.1	53770	CC	AA	AA	INTERGENIC		
SNP_53528B_56909	scaffold631	NW_004516052.1	56909	AA	CC	CC	INTERGENIC		
SNP_53529B_56910	scaffold631	NW_004516052.1	56910	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53530B_58607	scaffold631	NW_004516052.1	58607	GG	CC	CC	INTERGENIC		
SNP_53531B_67771	scaffold631	NW_004516052.1	67771	TT	CC	CC	INTERGENIC		
SNP_53532B_67777	scaffold631	NW_004516052.1	67777	TT	AA	AA	INTERGENIC		
SNP_53533B_67876	scaffold631	NW_004516052.1	67876	GG	AA	AA	INTERGENIC		
SNP_53534B_67914	scaffold631	NW_004516052.1	67914	CC	TT	TT	INTERGENIC		
SNP_53535B_68188	scaffold631	NW_004516052.1	68188	AA	TT	TT	INTERGENIC		
SNP_53536B_68191	scaffold631	NW_004516052.1	68191	GG	TT	TT	INTERGENIC		
SNP_53537B_68399	scaffold631	NW_004516052.1	68399	GG	CC	CC	INTERGENIC		
SNP_53538B_68404	scaffold631	NW_004516052.1	68404	AA	TT	TT	INTERGENIC		
SNP_53539B_68463	scaffold631	NW_004516052.1	68463	CC	GG	GG	INTERGENIC		
SNP_53540B_68606	scaffold631	NW_004516052.1	68606	CC	TT	TT	INTERGENIC		
SNP_53541B_68641	scaffold631	NW_004516052.1	68641	GG	AA	AA	INTERGENIC		
SNP_53542B_68725	scaffold631	NW_004516052.1	68725	CC	TT	TT	INTERGENIC		
SNP_53543B_69050	scaffold631	NW_004516052.1	69050	AA	CC	CC	INTERGENIC		
SNP_53544B_69218	scaffold631	NW_004516052.1	69218	AA	TT	TT	INTERGENIC		
SNP_53545B_70274	scaffold631	NW_004516052.1	70274	CC	AA	AA	INTERGENIC		
SNP_53546B_70359	scaffold631	NW_004516052.1	70359	AA	GG	GG	INTERGENIC		
SNP_53547B_70567	scaffold631	NW_004516052.1	70567	CC	GG	GG	INTERGENIC		
SNP_53548B_70574	scaffold631	NW_004516052.1	70574	TT	CC	CC	INTERGENIC		
SNP_53549B_70584	scaffold631	NW_004516052.1	70584	AA	TT	TT	INTERGENIC		
SNP_53550B_70886	scaffold631	NW_004516052.1	70886	GG	AA	AA	INTERGENIC		
SNP_53551B_71111	scaffold631	NW_004516052.1	71111	AA	CC	CC	INTERGENIC		
SNP_53552B_71400	scaffold631	NW_004516052.1	71400	TT	GG	GG	INTERGENIC		
SNP_53553B_71413	scaffold631	NW_004516052.1	71413	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53554B_73864	scaffold631	NW_004516052.1	73864	AA	GG	GG	INTERGENIC		
SNP_53555B_74221	scaffold631	NW_004516052.1	74221	TT	AA	AA	INTERGENIC		
SNP_53556B_74265	scaffold631	NW_004516052.1	74265	TT	CC	CC	INTERGENIC		
SNP_53557B_74473	scaffold631	NW_004516052.1	74473	GG	TT	TT	INTERGENIC		
SNP_53558B_74719	scaffold631	NW_004516052.1	74719	AA	TT	TT	INTERGENIC		
SNP_53559B_74806	scaffold631	NW_004516052.1	74806	CC	TT	TT	INTERGENIC		
SNP_53560B_74911	scaffold631	NW_004516052.1	74911	CC	AA	AA	INTERGENIC		
SNP_53561B_75022	scaffold631	NW_004516052.1	75022	AA	TT	TT	INTERGENIC		
SNP_53562B_75381	scaffold631	NW_004516052.1	75381	AA	CC	CC	INTERGENIC		
SNP_53564B_787	scaffold632	NW_004516053.1	787	TT	CC	CC	INTERGENIC		
SNP_53565B_805	scaffold632	NW_004516053.1	805	AA	TT	TT	INTERGENIC		
SNP_53566B_812	scaffold632	NW_004516053.1	812	TT	AA	AA	INTERGENIC		
SNP_53567B_4987	scaffold632	NW_004516053.1	4987	CC	AA	AA	INTERGENIC		
SNP_53568B_5167	scaffold632	NW_004516053.1	5167	TT	AA	AA	INTERGENIC		
SNP_53569B_17819	scaffold632	NW_004516053.1	17819	AA	TT	TT	INTERGENIC		
SNP_53570B_17837	scaffold632	NW_004516053.1	17837	AA	TT	TT	INTERGENIC		
SNP_53571B_18149	scaffold632	NW_004516053.1	18149	AA	GG	GG	INTERGENIC		
SNP_53572B_9621	scaffold637	NW_004516057.1	9621	CC	TT	TT	INTERGENIC		
SNP_53573B_9692	scaffold637	NW_004516057.1	9692	CC	GG	GG	INTERGENIC		
SNP_53575B_14643	scaffold637	NW_004516057.1	14643	CC	TT	TT	INTERGENIC		
SNP_53576B_67790	scaffold637	NW_004516057.1	67790	TT	CC	CC	INTERGENIC		
SNP_53577B_69443	scaffold637	NW_004516057.1	69443	TT	CC	CC	INTERGENIC		
SNP_53578B_69700	scaffold637	NW_004516057.1	69700	CC	AA	AA	INTERGENIC		
SNP_53580B_124483	scaffold637	NW_004516057.1	124483	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53582B_145264	scaffold637	NW_004516057.1	145264	TT	CC	CC	INTERGENIC		
SNP_53583B_145265	scaffold637	NW_004516057.1	145265	CC	TT	TT	INTERGENIC		
SNP_53584B_163005	scaffold637	NW_004516057.1	163005	GG	CC	CC	INTERGENIC		
SNP_53585B_169935	scaffold637	NW_004516057.1	169935	AA	GG	GG	INTERGENIC		
SNP_53586B_170221	scaffold637	NW_004516057.1	170221	GG	CC	CC	INTERGENIC		
SNP_53587B_188012	scaffold637	NW_004516057.1	188012	TT	AA	AA	INTERGENIC		
SNP_53588B_188072	scaffold637	NW_004516057.1	188072	CC	GG	GG	INTERGENIC		
SNP_53589B_191857	scaffold637	NW_004516057.1	191857	TT	CC	CC	INTERGENIC		
SNP_53590B_4040	scaffold639	NW_004516058.1	4040	GG	AA	AA	INTERGENIC		
SNP_53591B_6832	scaffold639	NW_004516058.1	6832	CC	TT	TT	INTERGENIC		
SNP_53592B_7066	scaffold639	NW_004516058.1	7066	CC	TT	TT	INTERGENIC		
SNP_53593B_9001	scaffold639	NW_004516058.1	9001	CC	TT	TT	INTERGENIC		
SNP_53594B_9203	scaffold639	NW_004516058.1	9203	TT	AA	AA	INTERGENIC		
SNP_53595B_9309	scaffold639	NW_004516058.1	9309	TT	AA	AA	INTERGENIC		
SNP_53597B_11686	scaffold639	NW_004516058.1	11686	AA	TT	TT	INTERGENIC		
SNP_53598B_18614	scaffold639	NW_004516058.1	18614	TT	AA	AA	INTERGENIC		
SNP_53599B_19026	scaffold639	NW_004516058.1	19026	AA	GG	GG	INTERGENIC		
SNP_53600B_19066	scaffold639	NW_004516058.1	19066	TT	CC	CC	INTERGENIC		
SNP_53601B_22437	scaffold639	NW_004516058.1	22437	TT	GG	GG	INTERGENIC		
SNP_53602B_31985	scaffold639	NW_004516058.1	31985	GG	AA	AA	INTERGENIC		
SNP_53603B_33195	scaffold639	NW_004516058.1	33195	TT	GG	GG	INTERGENIC		
SNP_53604B_34244	scaffold639	NW_004516058.1	34244	AA	TT	TT	INTERGENIC		
SNP_53605B_34264	scaffold639	NW_004516058.1	34264	TT	CC	CC	INTERGENIC		
SNP_53606B_69646	scaffold639	NW_004516058.1	69646	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53607B_69817	scaffold639	NW_004516058.1	69817	AA	GG	GG	INTERGENIC		
SNP_53608B_72074	scaffold639	NW_004516058.1	72074	GG	AA	AA	INTERGENIC		
SNP_53609B_92143	scaffold639	NW_004516058.1	92143	TT	CC	CC	INTERGENIC		
SNP_53610B_92453	scaffold639	NW_004516058.1	92453	TT	CC	CC	INTERGENIC		
SNP_53611B_92473	scaffold639	NW_004516058.1	92473	AA	CC	CC	INTERGENIC		
SNP_53612B_102581	scaffold639	NW_004516058.1	102581	GG	AA	AA	INTERGENIC		
SNP_53613B_102604	scaffold639	NW_004516058.1	102604	TT	CC	CC	INTERGENIC		
SNP_53615B_102631	scaffold639	NW_004516058.1	102631	TT	AA	AA	INTERGENIC		
SNP_53616B_102651	scaffold639	NW_004516058.1	102651	GG	TT	TT	INTERGENIC		
SNP_53617B_102672	scaffold639	NW_004516058.1	102672	AA	CC	CC	INTERGENIC		
SNP_53618B_102675	scaffold639	NW_004516058.1	102675	AA	GG	GG	INTERGENIC		
SNP_53619B_102685	scaffold639	NW_004516058.1	102685	GG	AA	AA	INTERGENIC		
SNP_53620B_104990	scaffold639	NW_004516058.1	104990	GG	CC	CC	INTERGENIC		
SNP_53621B_113576	scaffold639	NW_004516058.1	113576	AA	GG	GG	INTERGENIC		
SNP_53622B_113718	scaffold639	NW_004516058.1	113718	GG	AA	AA	INTERGENIC		
SNP_53623B_113937	scaffold639	NW_004516058.1	113937	GG	AA	AA	INTERGENIC		
SNP_53624B_114136	scaffold639	NW_004516058.1	114136	AA	GG	GG	INTERGENIC		
SNP_53625B_114341	scaffold639	NW_004516058.1	114341	AA	CC	CC	INTERGENIC		
SNP_53626B_114346	scaffold639	NW_004516058.1	114346	GG	TT	TT	INTERGENIC		
SNP_53627B_114355	scaffold639	NW_004516058.1	114355	TT	CC	CC	INTERGENIC		
SNP_53628B_114430	scaffold639	NW_004516058.1	114430	GG	TT	TT	INTERGENIC		
SNP_53629B_114506	scaffold639	NW_004516058.1	114506	GG	AA	AA	INTERGENIC		
SNP_53630B_114518	scaffold639	NW_004516058.1	114518	AA	TT	TT	INTERGENIC		
SNP_53631B_120191	scaffold639	NW_004516058.1	120191	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53632B_133720	scaffold639	NW_004516058.1	133720	GG	AA	AA	INTERGENIC		
SNP_53634B_172448	scaffold639	NW_004516058.1	172448	CC	AA	AA	INTERGENIC		
SNP_53635B_172790	scaffold639	NW_004516058.1	172790	AA	CC	CC	INTERGENIC		
SNP_53636B_172841	scaffold639	NW_004516058.1	172841	TT	CC	CC	INTERGENIC		
SNP_53637B_172871	scaffold639	NW_004516058.1	172871	GG	TT	TT	INTERGENIC		
SNP_53638B_172944	scaffold639	NW_004516058.1	172944	TT	CC	CC	INTERGENIC		
SNP_53639B_172955	scaffold639	NW_004516058.1	172955	GG	TT	TT	INTERGENIC		
SNP_53640B_172958	scaffold639	NW_004516058.1	172958	GG	AA	AA	INTERGENIC		
SNP_53641B_173112	scaffold639	NW_004516058.1	173112	GG	AA	AA	INTERGENIC		
SNP_53642B_173341	scaffold639	NW_004516058.1	173341	TT	CC	CC	INTERGENIC		
SNP_53643B_173389	scaffold639	NW_004516058.1	173389	CC	TT	TT	INTERGENIC		
SNP_53644B_183335	scaffold639	NW_004516058.1	183335	TT	CC	CC	INTERGENIC		
SNP_53645B_184318	scaffold639	NW_004516058.1	184318	TT	GG	GG	INTERGENIC		
SNP_53646B_577	scaffold641	NW_004516059.1	577	CC	TT	TT	INTERGENIC		
SNP_53647B_3136	scaffold641	NW_004516059.1	3136	GG	AA	AA	INTERGENIC		
SNP_53648B_3364	scaffold641	NW_004516059.1	3364	GG	TT	TT	INTERGENIC		
SNP_53649B_17390	scaffold642	NW_004516060.1	17390	GG	AA	AA	INTERGENIC		
SNP_53651B_27496	scaffold642	NW_004516060.1	27496	AA	GG	GG	INTERGENIC		
SNP_53653B_62014	scaffold642	NW_004516060.1	62014	GG	TT	TT	INTERGENIC		
SNP_53654B_62496	scaffold642	NW_004516060.1	62496	CC	AA	AA	INTERGENIC		
SNP_53655B_147548	scaffold642	NW_004516060.1	147548	AA	GG	GG	URR	101509816	Unknown function
SNP_53656B_147697	scaffold642	NW_004516060.1	147697	GG	AA	AA	URR	101509816	Unknown function
SNP_53657B_147711	scaffold642	NW_004516060.1	147711	TT	GG	GG	URR	101509816	Unknown function
SNP_53658B_148015	scaffold642	NW_004516060.1	148015	AA	CC	CC	URR	101509816	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53659B_173907	scaffold642	NW_004516060.1	173907	TT	CC	CC	INTERGENIC		
SNP_53660B_179018	scaffold642	NW_004516060.1	179018	AA	GG	GG	DRR	101491118	uncharacterized LOC101491118
SNP_53663B_320472	scaffold642	NW_004516060.1	320472	GG	AA	AA	INTERGENIC		
SNP_53664B_331500	scaffold642	NW_004516060.1	331500	CC	AA	AA	INTERGENIC		
SNP_53665B_334208	scaffold642	NW_004516060.1	334208	GG	AA	AA	INTERGENIC		
SNP_53667B_337907	scaffold642	NW_004516060.1	337907	GG	TT	TT	INTERGENIC		
SNP_53668B_350804	scaffold642	NW_004516060.1	350804	AA	GG	GG	INTERGENIC		
SNP_53669B_350977	scaffold642	NW_004516060.1	350977	CC	TT	TT	INTERGENIC		
SNP_53670B_351283	scaffold642	NW_004516060.1	351283	CC	TT	TT	INTERGENIC		
SNP_53671B_351301	scaffold642	NW_004516060.1	351301	TT	CC	CC	INTERGENIC		
SNP_53672B_351304	scaffold642	NW_004516060.1	351304	CC	TT	TT	INTERGENIC		
SNP_53673B_351324	scaffold642	NW_004516060.1	351324	TT	CC	CC	INTERGENIC		
SNP_53674B_351412	scaffold642	NW_004516060.1	351412	CC	TT	TT	INTERGENIC		
SNP_53675B_352126	scaffold642	NW_004516060.1	352126	AA	TT	TT	INTERGENIC		
SNP_53676B_352133	scaffold642	NW_004516060.1	352133	CC	GG	GG	INTERGENIC		
SNP_53677B_352602	scaffold642	NW_004516060.1	352602	AA	GG	GG	INTERGENIC		
SNP_53678B_473172	scaffold642	NW_004516060.1	473172	GG	AA	AA	INTERGENIC		
SNP_53679B_640715	scaffold642	NW_004516060.1	640715	CC	TT	TT	INTERGENIC		
SNP_53680B_677656	scaffold642	NW_004516060.1	677656	TT	AA	AA	INTERGENIC		
SNP_53681B_677924	scaffold642	NW_004516060.1	677924	TT	CC	CC	INTERGENIC		
SNP_53682B_683421	scaffold642	NW_004516060.1	683421	TT	CC	CC	INTERGENIC		
SNP_53683B_698144	scaffold642	NW_004516060.1	698144	TT	CC	CC	INTERGENIC		
SNP_53684B_56524	scaffold643	NW_004516061.1	56524	GG	AA	AA	INTERGENIC		
SNP_53686B_71258	scaffold643	NW_004516061.1	71258	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53687B_71269	scaffold643	NW_004516061.1	71269	TT	CC	CC	INTERGENIC		
SNP_53688B_71308	scaffold643	NW_004516061.1	71308	TT	CC	CC	INTERGENIC		
SNP_53689B_71315	scaffold643	NW_004516061.1	71315	TT	CC	CC	INTERGENIC		
SNP_53690B_71349	scaffold643	NW_004516061.1	71349	AA	GG	GG	INTERGENIC		
SNP_53691B_71374	scaffold643	NW_004516061.1	71374	GG	AA	AA	INTERGENIC		
SNP_53692B_71572	scaffold643	NW_004516061.1	71572	CC	TT	TT	INTERGENIC		
SNP_53693B_71635	scaffold643	NW_004516061.1	71635	GG	AA	AA	INTERGENIC		
SNP_53694B_71661	scaffold643	NW_004516061.1	71661	TT	GG	GG	INTERGENIC		
SNP_53695B_71671	scaffold643	NW_004516061.1	71671	TT	CC	CC	INTERGENIC		
SNP_53696B_75534	scaffold643	NW_004516061.1	75534	CC	TT	TT	DRR	101495428	uncharacterized LOC101495428
SNP_53697B_77336	scaffold643	NW_004516061.1	77336	TT	CC	CC	INTRON	id203981	Unknown function
SNP_53698B_12489	scaffold645	NW_004516062.1	12489	TT	AA	AA	INTERGENIC		
SNP_53699B_23864	scaffold645	NW_004516062.1	23864	TT	AA	AA	INTERGENIC		
SNP_53700B_23873	scaffold645	NW_004516062.1	23873	TT	CC	CC	INTERGENIC		
SNP_53701B_23876	scaffold645	NW_004516062.1	23876	AA	TT	TT	INTERGENIC		
SNP_53702B_23877	scaffold645	NW_004516062.1	23877	TT	AA	AA	INTERGENIC		
SNP_53703B_23942	scaffold645	NW_004516062.1	23942	TT	GG	GG	INTERGENIC		
SNP_53704B_23943	scaffold645	NW_004516062.1	23943	GG	TT	TT	INTERGENIC		
SNP_53705B_37842	scaffold645	NW_004516062.1	37842	TT	AA	AA	INTERGENIC		
SNP_53707B_71961	scaffold645	NW_004516062.1	71961	AA	TT	TT	INTERGENIC		
SNP_53708B_72129	scaffold645	NW_004516062.1	72129	TT	AA	AA	INTERGENIC		
SNP_53709B_72138	scaffold645	NW_004516062.1	72138	GG	AA	AA	INTERGENIC		
SNP_53710B_73193	scaffold645	NW_004516062.1	73193	GG	AA	AA	INTERGENIC		
SNP_53711B_73199	scaffold645	NW_004516062.1	73199	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53712B_73209	scaffold645	NW_004516062.1	73209	GG	AA	AA	INTERGENIC		
SNP_53713B_73247	scaffold645	NW_004516062.1	73247	AA	CC	CC	INTERGENIC		
SNP_53714B_73590	scaffold645	NW_004516062.1	73590	CC	TT	TT	INTERGENIC		
SNP_53715B_73864	scaffold645	NW_004516062.1	73864	AA	CC	CC	INTERGENIC		
SNP_53718B_93810	scaffold645	NW_004516062.1	93810	AA	CC	CC	INTERGENIC		
SNP_53719B_93949	scaffold645	NW_004516062.1	93949	GG	CC	CC	INTERGENIC		
SNP_53720B_93977	scaffold645	NW_004516062.1	93977	TT	CC	CC	INTERGENIC		
SNP_53721B_93998	scaffold645	NW_004516062.1	93998	TT	CC	CC	INTERGENIC		
SNP_53722B_94012	scaffold645	NW_004516062.1	94012	AA	TT	TT	INTERGENIC		
SNP_53723B_94016	scaffold645	NW_004516062.1	94016	CC	TT	TT	INTERGENIC		
SNP_53724B_94047	scaffold645	NW_004516062.1	94047	AA	TT	TT	INTERGENIC		
SNP_53725B_94360	scaffold645	NW_004516062.1	94360	GG	TT	TT	INTERGENIC		
SNP_53726B_160633	scaffold645	NW_004516062.1	160633	TT	CC	CC	INTERGENIC		
SNP_53727B_162907	scaffold645	NW_004516062.1	162907	CC	TT	TT	INTERGENIC		
SNP_53728B_163221	scaffold645	NW_004516062.1	163221	TT	CC	CC	INTERGENIC		
SNP_53729B_192667	scaffold645	NW_004516062.1	192667	AA	GG	GG	INTERGENIC		
SNP_53730B_192815	scaffold645	NW_004516062.1	192815	CC	TT	TT	INTERGENIC		
SNP_53731B_192825	scaffold645	NW_004516062.1	192825	TT	CC	CC	INTERGENIC		
SNP_53732B_193261	scaffold645	NW_004516062.1	193261	AA	GG	GG	INTERGENIC		
SNP_53733B_193277	scaffold645	NW_004516062.1	193277	CC	TT	TT	INTERGENIC		
SNP_53735B_279931	scaffold645	NW_004516062.1	279931	AA	TT	TT	INTERGENIC		
SNP_53736B_279935	scaffold645	NW_004516062.1	279935	CC	TT	TT	INTERGENIC		
SNP_53737B_285336	scaffold645	NW_004516062.1	285336	GG	CC	CC	INTERGENIC		
SNP_53738B_285583	scaffold645	NW_004516062.1	285583	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53739B_285625	scaffold645	NW_004516062.1	285625	AA	GG	GG	INTERGENIC		
SNP_53740B_285804	scaffold645	NW_004516062.1	285804	TT	AA	AA	INTERGENIC		
SNP_53741B_286980	scaffold645	NW_004516062.1	286980	TT	CC	CC	INTERGENIC		
SNP_53742B_287061	scaffold645	NW_004516062.1	287061	TT	GG	GG	INTERGENIC		
SNP_53743B_287294	scaffold645	NW_004516062.1	287294	AA	TT	TT	INTERGENIC		
SNP_53744B_287312	scaffold645	NW_004516062.1	287312	AA	CC	CC	INTERGENIC		
SNP_53745B_287317	scaffold645	NW_004516062.1	287317	GG	CC	CC	INTERGENIC		
SNP_53746B_287380	scaffold645	NW_004516062.1	287380	AA	CC	CC	INTERGENIC		
SNP_53747B_287464	scaffold645	NW_004516062.1	287464	CC	AA	AA	INTERGENIC		
SNP_53748B_287465	scaffold645	NW_004516062.1	287465	AA	TT	TT	INTERGENIC		
SNP_53749B_287603	scaffold645	NW_004516062.1	287603	TT	AA	AA	INTERGENIC		
SNP_53750B_287651	scaffold645	NW_004516062.1	287651	CC	TT	TT	INTERGENIC		
SNP_53753B_288208	scaffold645	NW_004516062.1	288208	GG	TT	TT	INTERGENIC		
SNP_53754B_288303	scaffold645	NW_004516062.1	288303	GG	TT	TT	INTERGENIC		
SNP_53755B_301221	scaffold645	NW_004516062.1	301221	AA	GG	GG	INTERGENIC		
SNP_53756B_303912	scaffold645	NW_004516062.1	303912	TT	CC	CC	INTERGENIC		
SNP_53757B_303924	scaffold645	NW_004516062.1	303924	TT	GG	GG	INTERGENIC		
SNP_53758B_752	scaffold647	NW_004516064.1	752	CC	TT	TT	INTERGENIC		
SNP_53759B_984	scaffold647	NW_004516064.1	984	TT	GG	GG	INTERGENIC		
SNP_53760B_1047	scaffold647	NW_004516064.1	1047	TT	CC	CC	INTERGENIC		
SNP_53761B_7329	scaffold647	NW_004516064.1	7329	TT	CC	CC	INTERGENIC		
SNP_53762B_7367	scaffold647	NW_004516064.1	7367	TT	AA	AA	INTERGENIC		
SNP_53763B_7540	scaffold647	NW_004516064.1	7540	AA	CC	CC	INTERGENIC		
SNP_53764B_7574	scaffold647	NW_004516064.1	7574	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53765B_7674	scaffold647	NW_004516064.1	7674	GG	AA	AA	INTERGENIC		
SNP_53766B_21371	scaffold647	NW_004516064.1	21371	GG	AA	AA	INTERGENIC		
SNP_53767B_22975	scaffold647	NW_004516064.1	22975	CC	TT	TT	INTERGENIC		
SNP_53768B_30923	scaffold647	NW_004516064.1	30923	GG	CC	CC	INTERGENIC		
SNP_53769B_35968	scaffold647	NW_004516064.1	35968	TT	AA	AA	INTERGENIC		
SNP_53770B_40442	scaffold647	NW_004516064.1	40442	GG	AA	AA	INTERGENIC		
SNP_53771B_40466	scaffold647	NW_004516064.1	40466	GG	AA	AA	INTERGENIC		
SNP_53772B_40477	scaffold647	NW_004516064.1	40477	TT	GG	GG	INTERGENIC		
SNP_53773B_40572	scaffold647	NW_004516064.1	40572	AA	GG	GG	INTERGENIC		
SNP_53774B_40583	scaffold647	NW_004516064.1	40583	TT	GG	GG	INTERGENIC		
SNP_53775B_40604	scaffold647	NW_004516064.1	40604	CC	AA	AA	INTERGENIC		
SNP_53776B_46851	scaffold647	NW_004516064.1	46851	GG	AA	AA	INTERGENIC		
SNP_53777B_47232	scaffold647	NW_004516064.1	47232	GG	AA	AA	INTERGENIC		
SNP_53778B_47268	scaffold647	NW_004516064.1	47268	AA	TT	TT	INTERGENIC		
SNP_53779B_49945	scaffold647	NW_004516064.1	49945	TT	CC	CC	INTERGENIC		
SNP_53780B_71274	scaffold647	NW_004516064.1	71274	TT	CC	CC	INTERGENIC		
SNP_53781B_71419	scaffold647	NW_004516064.1	71419	TT	CC	CC	INTERGENIC		
SNP_53782B_71764	scaffold647	NW_004516064.1	71764	AA	CC	CC	INTERGENIC		
SNP_53783B_71827	scaffold647	NW_004516064.1	71827	TT	GG	GG	INTERGENIC		
SNP_53784B_71870	scaffold647	NW_004516064.1	71870	GG	TT	TT	INTERGENIC		
SNP_53785B_71891	scaffold647	NW_004516064.1	71891	TT	CC	CC	INTERGENIC		
SNP_53786B_71911	scaffold647	NW_004516064.1	71911	TT	CC	CC	INTERGENIC		
SNP_53787B_86437	scaffold647	NW_004516064.1	86437	AA	GG	GG	INTERGENIC		
SNP_53788B_86738	scaffold647	NW_004516064.1	86738	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53789B_93246	scaffold647	NW_004516064.1	93246	AA	TT	TT	INTERGENIC		
SNP_53790B_120567	scaffold647	NW_004516064.1	120567	CC	TT	TT	INTERGENIC		
SNP_53791B_132964	scaffold647	NW_004516064.1	132964	CC	TT	TT	INTERGENIC		
SNP_53792B_162341	scaffold647	NW_004516064.1	162341	AA	GG	GG	INTERGENIC		
SNP_53793B_169186	scaffold647	NW_004516064.1	169186	TT	AA	AA	INTERGENIC		
SNP_53794B_189861	scaffold647	NW_004516064.1	189861	TT	CC	CC	INTERGENIC		
SNP_53795B_191363	scaffold647	NW_004516064.1	191363	TT	CC	CC	INTERGENIC		
SNP_53796B_193238	scaffold647	NW_004516064.1	193238	TT	AA	AA	INTERGENIC		
SNP_53797B_193239	scaffold647	NW_004516064.1	193239	GG	AA	AA	INTERGENIC		
SNP_53799B_201328	scaffold647	NW_004516064.1	201328	GG	AA	AA	INTERGENIC		
SNP_53800B_201749	scaffold647	NW_004516064.1	201749	AA	TT	TT	INTERGENIC		
SNP_53801B_201762	scaffold647	NW_004516064.1	201762	GG	AA	AA	INTERGENIC		
SNP_53802B_201779	scaffold647	NW_004516064.1	201779	TT	CC	CC	INTERGENIC		
SNP_53803B_201781	scaffold647	NW_004516064.1	201781	AA	GG	GG	INTERGENIC		
SNP_53804B_201786	scaffold647	NW_004516064.1	201786	GG	AA	AA	INTERGENIC		
SNP_53805B_201789	scaffold647	NW_004516064.1	201789	CC	TT	TT	INTERGENIC		
SNP_53806B_201850	scaffold647	NW_004516064.1	201850	TT	GG	GG	INTERGENIC		
SNP_53807B_212415	scaffold647	NW_004516064.1	212415	TT	CC	CC	INTERGENIC		
SNP_53808B_212569	scaffold647	NW_004516064.1	212569	TT	CC	CC	INTERGENIC		
SNP_53809B_212602	scaffold647	NW_004516064.1	212602	TT	GG	GG	INTERGENIC		
SNP_53810B_212606	scaffold647	NW_004516064.1	212606	TT	CC	CC	INTERGENIC		
SNP_53811B_212627	scaffold647	NW_004516064.1	212627	TT	GG	GG	INTERGENIC		
SNP_53812B_212699	scaffold647	NW_004516064.1	212699	AA	GG	GG	INTERGENIC		
SNP_53813B_212735	scaffold647	NW_004516064.1	212735	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53814B_212769	scaffold647	NW_004516064.1	212769	TT	CC	CC	INTERGENIC		
SNP_53815B_212778	scaffold647	NW_004516064.1	212778	GG	CC	CC	INTERGENIC		
SNP_53816B_526	scaffold648	NW_004516065.1	526	GG	TT	TT	INTERGENIC		
SNP_53817B_730	scaffold648	NW_004516065.1	730	AA	CC	CC	INTERGENIC		
SNP_53818B_904	scaffold648	NW_004516065.1	904	CC	TT	TT	INTERGENIC		
SNP_53819B_1319	scaffold648	NW_004516065.1	1319	GG	AA	AA	INTERGENIC		
SNP_53820B_1337	scaffold648	NW_004516065.1	1337	TT	AA	AA	INTERGENIC		
SNP_53821B_1659	scaffold648	NW_004516065.1	1659	AA	GG	GG	INTERGENIC		
SNP_53822B_2497	scaffold648	NW_004516065.1	2497	TT	AA	AA	INTERGENIC		
SNP_53823B_2230	scaffold651	NW_004516067.1	2230	TT	CC	CC	INTERGENIC		
SNP_53824B_2412	scaffold651	NW_004516067.1	2412	GG	AA	AA	INTERGENIC		
SNP_53825B_7595	scaffold651	NW_004516067.1	7595	AA	CC	CC	INTERGENIC		
SNP_53826B_7780	scaffold651	NW_004516067.1	7780	TT	AA	AA	INTERGENIC		
SNP_53827B_7833	scaffold651	NW_004516067.1	7833	CC	TT	TT	INTERGENIC		
SNP_53828B_7843	scaffold651	NW_004516067.1	7843	TT	AA	AA	INTERGENIC		
SNP_53829B_7917	scaffold651	NW_004516067.1	7917	TT	GG	GG	INTERGENIC		
SNP_53831B_35586	scaffold651	NW_004516067.1	35586	AA	CC	CC	INTERGENIC		
SNP_53833B_41249	scaffold651	NW_004516067.1	41249	GG	CC	CC	INTERGENIC		
SNP_53834B_41416	scaffold651	NW_004516067.1	41416	AA	GG	GG	INTERGENIC		
SNP_53835B_42283	scaffold651	NW_004516067.1	42283	GG	AA	AA	INTERGENIC		
SNP_53836B_46652	scaffold651	NW_004516067.1	46652	AA	GG	GG	INTERGENIC		
SNP_53837B_47561	scaffold651	NW_004516067.1	47561	CC	TT	TT	INTERGENIC		
SNP_53838B_58904	scaffold651	NW_004516067.1	58904	TT	AA	AA	INTERGENIC		
SNP_53839B_58910	scaffold651	NW_004516067.1	58910	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53840B_485	scaffold652	NW_004516068.1	485	TT	CC	CC	INTERGENIC		
SNP_53841B_171120	scaffold653	NW_004516069.1	171120	GG	AA	AA	INTERGENIC		
SNP_53843B_172671	scaffold653	NW_004516069.1	172671	GG	AA	AA	INTERGENIC		
SNP_53844B_172688	scaffold653	NW_004516069.1	172688	CC	TT	TT	INTERGENIC		
SNP_53845B_172732	scaffold653	NW_004516069.1	172732	AA	GG	GG	INTERGENIC		
SNP_53846B_172998	scaffold653	NW_004516069.1	172998	TT	AA	AA	INTERGENIC		
SNP_53847B_173042	scaffold653	NW_004516069.1	173042	CC	TT	TT	INTERGENIC		
SNP_53848B_174368	scaffold653	NW_004516069.1	174368	TT	CC	CC	INTERGENIC		
SNP_53849B_174819	scaffold653	NW_004516069.1	174819	AA	GG	GG	INTERGENIC		
SNP_53850B_174873	scaffold653	NW_004516069.1	174873	GG	AA	AA	INTERGENIC		
SNP_53851B_174875	scaffold653	NW_004516069.1	174875	AA	GG	GG	INTERGENIC		
SNP_53852B_177832	scaffold653	NW_004516069.1	177832	TT	CC	CC	INTRON	101506944	mRNA-decapping enzyme subunit 2
SNP_53853B_178096	scaffold653	NW_004516069.1	178096	CC	TT	TT	INTRON	101506944	mRNA-decapping enzyme subunit 2
SNP_53854B_178105	scaffold653	NW_004516069.1	178105	AA	TT	TT	INTRON	101506944	mRNA-decapping enzyme subunit 2
SNP_53855B_178137	scaffold653	NW_004516069.1	178137	CC	TT	TT	INTRON	101506944	mRNA-decapping enzyme subunit 2
SNP_53856B_178828	scaffold653	NW_004516069.1	178828	TT	GG	GG	INTRON	101506944	mRNA-decapping enzyme subunit 2
SNP_53857B_178841	scaffold653	NW_004516069.1	178841	CC	TT	TT	INTRON	101506944	mRNA-decapping enzyme subunit 2
SNP_53858B_179048	scaffold653	NW_004516069.1	179048	TT	GG	GG	INTRON	101506944	mRNA-decapping enzyme subunit 2
SNP_53859B_179379	scaffold653	NW_004516069.1	179379	TT	CC	CC	SYNONYMOUS_CODING	101506944	mRNA-decapping enzyme subunit 2
SNP_53860B_179512	scaffold653	NW_004516069.1	179512	AA	GG	GG	INTRON	101506944	mRNA-decapping enzyme subunit 2
SNP_53861B_182407	scaffold653	NW_004516069.1	182407	TT	CC	CC	INTRON	101506944	mRNA-decapping enzyme subunit 2
SNP_53862B_182861	scaffold653	NW_004516069.1	182861	AA	CC	CC	INTRON	101506944	mRNA-decapping enzyme subunit 2
SNP_53863B_182877	scaffold653	NW_004516069.1	182877	GG	CC	CC	INTRON	101506944	mRNA-decapping enzyme subunit 2
SNP_53864B_200882	scaffold653	NW_004516069.1	200882	AA	GG	GG	URR	101506392	histidinol-phosphate aminotransferase, chloroplastic-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53865B_202731	scaffold653	NW_004516069.1	202731	GG	AA	AA	INTERGENIC		
SNP_53866B_1280	scaffold654	NW_004516070.1	1280	AA	TT	TT	INTERGENIC		
SNP_53867B_1393	scaffold654	NW_004516070.1	1393	TT	CC	CC	INTERGENIC		
SNP_53868B_1395	scaffold654	NW_004516070.1	1395	TT	GG	GG	INTERGENIC		
SNP_53869B_21239	scaffold654	NW_004516070.1	21239	AA	GG	GG	INTERGENIC		
SNP_53870B_44560	scaffold654	NW_004516070.1	44560	CC	AA	AA	INTERGENIC		
SNP_53871B_15035	scaffold661	NW_004516075.1	15035	AA	GG	GG	INTERGENIC		
SNP_53872B_26611	scaffold661	NW_004516075.1	26611	GG	AA	AA	DRR	101509498	uncharacterized LOC101509498
SNP_53873B_30451	scaffold661	NW_004516075.1	30451	CC	TT	TT	NON_SYNONYMOUS_CODING	101509498	uncharacterized LOC101509498
SNP_53874B_157574	scaffold661	NW_004516075.1	157574	TT	GG	GG	INTERGENIC		
SNP_53875B_175748	scaffold661	NW_004516075.1	175748	GG	AA	AA	INTERGENIC		
SNP_53876B_175752	scaffold661	NW_004516075.1	175752	CC	TT	TT	INTERGENIC		
SNP_53877B_176111	scaffold661	NW_004516075.1	176111	AA	GG	GG	INTERGENIC		
SNP_53878B_176126	scaffold661	NW_004516075.1	176126	AA	GG	GG	INTERGENIC		
SNP_53879B_176132	scaffold661	NW_004516075.1	176132	GG	AA	AA	INTERGENIC		
SNP_53880B_176145	scaffold661	NW_004516075.1	176145	GG	CC	CC	INTERGENIC		
SNP_53881B_176159	scaffold661	NW_004516075.1	176159	TT	CC	CC	INTERGENIC		
SNP_53882B_176188	scaffold661	NW_004516075.1	176188	TT	CC	CC	INTERGENIC		
SNP_53883B_176198	scaffold661	NW_004516075.1	176198	TT	CC	CC	INTERGENIC		
SNP_53885B_195553	scaffold661	NW_004516075.1	195553	TT	GG	GG	INTERGENIC		
SNP_53886B_195890	scaffold661	NW_004516075.1	195890	TT	AA	AA	INTERGENIC		
SNP_53887B_195894	scaffold661	NW_004516075.1	195894	GG	AA	AA	INTERGENIC		
SNP_53888B_195927	scaffold661	NW_004516075.1	195927	CC	AA	TT	INTERGENIC		
SNP_53889B_201397	scaffold661	NW_004516075.1	201397	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53891B_229629	scaffold661	NW_004516075.1	229629	GG	TT	TT	INTERGENIC		
SNP_53892B_272044	scaffold661	NW_004516075.1	272044	AA	GG	GG	INTERGENIC		
SNP_53893B_272172	scaffold661	NW_004516075.1	272172	CC	TT	TT	INTERGENIC		
SNP_53894B_272173	scaffold661	NW_004516075.1	272173	CC	TT	TT	INTERGENIC		
SNP_53895B_272443	scaffold661	NW_004516075.1	272443	TT	CC	CC	INTERGENIC		
SNP_53896B_272525	scaffold661	NW_004516075.1	272525	CC	TT	TT	INTERGENIC		
SNP_53897B_277291	scaffold661	NW_004516075.1	277291	TT	GG	GG	INTERGENIC		
SNP_53898B_277465	scaffold661	NW_004516075.1	277465	TT	CC	CC	INTERGENIC		
SNP_53899B_340612	scaffold661	NW_004516075.1	340612	AA	CC	CC	INTERGENIC		
SNP_53900B_340644	scaffold661	NW_004516075.1	340644	AA	GG	GG	INTERGENIC		
SNP_53901B_340726	scaffold661	NW_004516075.1	340726	AA	GG	GG	INTERGENIC		
SNP_53902B_340734	scaffold661	NW_004516075.1	340734	CC	GG	GG	INTERGENIC		
SNP_53903B_418339	scaffold661	NW_004516075.1	418339	GG	AA	AA	INTERGENIC		
SNP_53904B_474435	scaffold661	NW_004516075.1	474435	AA	CC	CC	INTERGENIC		
SNP_53906B_480809	scaffold661	NW_004516075.1	480809	AA	CC	CC	INTERGENIC		
SNP_53907B_608681	scaffold661	NW_004516075.1	608681	GG	AA	AA	INTERGENIC		
SNP_53908B_666850	scaffold661	NW_004516075.1	666850	AA	CC	CC	INTERGENIC		
SNP_53909B_671757	scaffold661	NW_004516075.1	671757	AA	GG	GG	INTERGENIC		
SNP_53910B_671780	scaffold661	NW_004516075.1	671780	CC	TT	TT	INTERGENIC		
SNP_53911B_671783	scaffold661	NW_004516075.1	671783	AA	GG	GG	INTERGENIC		
SNP_53912B_671798	scaffold661	NW_004516075.1	671798	TT	CC	CC	INTERGENIC		
SNP_53913B_671801	scaffold661	NW_004516075.1	671801	AA	GG	GG	INTERGENIC		
SNP_53914B_671837	scaffold661	NW_004516075.1	671837	CC	GG	GG	INTERGENIC		
SNP_53915B_671869	scaffold661	NW_004516075.1	671869	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53916B_707856	scaffold661	NW_004516075.1	707856	AA	GG	GG	DRR	101514006	Unknown function
SNP_53917B_707975	scaffold661	NW_004516075.1	707975	AA	TT	TT	DRR	101514006	Unknown function
SNP_53918B_707996	scaffold661	NW_004516075.1	707996	AA	GG	GG	DRR	101514006	Unknown function
SNP_53919B_708015	scaffold661	NW_004516075.1	708015	AA	GG	GG	DRR	101514006	Unknown function
SNP_53920B_727191	scaffold661	NW_004516075.1	727191	GG	TT	TT	INTERGENIC		
SNP_53921B_727225	scaffold661	NW_004516075.1	727225	CC	GG	GG	INTERGENIC		
SNP_53922B_727526	scaffold661	NW_004516075.1	727526	GG	CC	CC	INTERGENIC		
SNP_53923B_727568	scaffold661	NW_004516075.1	727568	CC	TT	TT	INTERGENIC		
SNP_53924B_16640	scaffold662	NW_004516076.1	16640	CC	AA	AA	INTERGENIC		
SNP_53925B_18628	scaffold662	NW_004516076.1	18628	GG	AA	AA	SYNONYMOUS_CODING	101514992	uncharacterized LOC101514992
SNP_53926B_32315	scaffold662	NW_004516076.1	32315	GG	AA	AA	INTERGENIC		
SNP_53928B_98556	scaffold662	NW_004516076.1	98556	AA	TT	TT	INTERGENIC		
SNP_53929B_108135	scaffold662	NW_004516076.1	108135	CC	TT	TT	INTERGENIC		
SNP_53930B_23178	scaffold663	NW_004516077.1	23178	AA	GG	GG	URR	101488725	rRNA-processing protein FCF1 homolog
SNP_53931B_23212	scaffold663	NW_004516077.1	23212	AA	GG	GG	URR	101488725	rRNA-processing protein FCF1 homolog
SNP_53932B_23573	scaffold663	NW_004516077.1	23573	AA	GG	GG	URR	101488725	rRNA-processing protein FCF1 homolog
SNP_53933B_63480	scaffold663	NW_004516077.1	63480	AA	GG	GG	INTERGENIC		
SNP_53934B_67482	scaffold663	NW_004516077.1	67482	AA	GG	GG	INTERGENIC		
SNP_53935B_107055	scaffold663	NW_004516077.1	107055	AA	GG	GG	INTERGENIC		
SNP_53936B_107057	scaffold663	NW_004516077.1	107057	AA	GG	GG	INTERGENIC		
SNP_53937B_108293	scaffold663	NW_004516077.1	108293	TT	CC	CC	INTERGENIC		
SNP_53938B_108991	scaffold663	NW_004516077.1	108991	AA	CC	CC	INTERGENIC		
SNP_53939B_108997	scaffold663	NW_004516077.1	108997	CC	TT	TT	INTERGENIC		
SNP_53940B_109018	scaffold663	NW_004516077.1	109018	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53941B_109021	scaffold663	NW_004516077.1	109021	GG	AA	AA	INTERGENIC		
SNP_53942B_109022	scaffold663	NW_004516077.1	109022	CC	TT	TT	INTERGENIC		
SNP_53943B_109023	scaffold663	NW_004516077.1	109023	GG	CC	CC	INTERGENIC		
SNP_53944B_109036	scaffold663	NW_004516077.1	109036	GG	AA	AA	INTERGENIC		
SNP_53945B_109129	scaffold663	NW_004516077.1	109129	TT	GG	GG	INTERGENIC		
SNP_53946B_109171	scaffold663	NW_004516077.1	109171	CC	GG	GG	INTERGENIC		
SNP_53947B_109182	scaffold663	NW_004516077.1	109182	AA	GG	GG	INTERGENIC		
SNP_53948B_109189	scaffold663	NW_004516077.1	109189	TT	GG	GG	INTERGENIC		
SNP_53949B_109192	scaffold663	NW_004516077.1	109192	TT	CC	CC	INTERGENIC		
SNP_53950B_109198	scaffold663	NW_004516077.1	109198	CC	TT	TT	INTERGENIC		
SNP_53951B_109207	scaffold663	NW_004516077.1	109207	GG	AA	AA	INTERGENIC		
SNP_53952B_109247	scaffold663	NW_004516077.1	109247	TT	GG	AA	INTERGENIC		
SNP_53953B_109271	scaffold663	NW_004516077.1	109271	GG	AA	AA	INTERGENIC		
SNP_53954B_166938	scaffold663	NW_004516077.1	166938	CC	TT	TT	INTERGENIC		
SNP_53955B_167137	scaffold663	NW_004516077.1	167137	AA	GG	GG	INTERGENIC		
SNP_53956B_167176	scaffold663	NW_004516077.1	167176	AA	TT	TT	INTERGENIC		
SNP_53957B_442	scaffold665	NW_004516079.1	442	AA	GG	GG	INTERGENIC		
SNP_53958B_711	scaffold665	NW_004516079.1	711	AA	CC	CC	INTERGENIC		
SNP_53959B_3448	scaffold665	NW_004516079.1	3448	TT	CC	CC	INTERGENIC		
SNP_53961B_17603	scaffold665	NW_004516079.1	17603	GG	AA	AA	INTERGENIC		
SNP_53962B_11276	scaffold666	NW_004516080.1	11276	GG	CC	CC	INTERGENIC		
SNP_53963B_2369	scaffold667	NW_004516081.1	2369	AA	TT	TT	INTERGENIC		
SNP_53964B_2567	scaffold667	NW_004516081.1	2567	GG	CC	CC	INTERGENIC		
SNP_53965B_17462	scaffold670	NW_004516084.1	17462	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53966B_17483	scaffold670	NW_004516084.1	17483	CC	TT	TT	INTERGENIC		
SNP_53967B_17501	scaffold670	NW_004516084.1	17501	TT	AA	AA	INTERGENIC		
SNP_53968B_17522	scaffold670	NW_004516084.1	17522	GG	AA	AA	INTERGENIC		
SNP_53969B_17772	scaffold670	NW_004516084.1	17772	TT	CC	CC	INTERGENIC		
SNP_53970B_17797	scaffold670	NW_004516084.1	17797	CC	AA	AA	INTERGENIC		
SNP_53971B_27965	scaffold670	NW_004516084.1	27965	CC	TT	TT	INTERGENIC		
SNP_53972B_78505	scaffold670	NW_004516084.1	78505	CC	GG	GG	INTERGENIC		
SNP_53973B_78528	scaffold670	NW_004516084.1	78528	TT	CC	CC	INTERGENIC		
SNP_53974B_78543	scaffold670	NW_004516084.1	78543	AA	GG	GG	INTERGENIC		
SNP_53975B_104132	scaffold670	NW_004516084.1	104132	AA	TT	TT	INTERGENIC		
SNP_53976B_108729	scaffold670	NW_004516084.1	108729	TT	CC	CC	INTERGENIC		
SNP_53977B_116278	scaffold670	NW_004516084.1	116278	CC	TT	TT	INTERGENIC		
SNP_53978B_127887	scaffold670	NW_004516084.1	127887	TT	AA	AA	INTERGENIC		
SNP_53979B_127907	scaffold670	NW_004516084.1	127907	AA	GG	GG	INTERGENIC		
SNP_53980B_128273	scaffold670	NW_004516084.1	128273	TT	AA	AA	INTERGENIC		
SNP_53981B_129203	scaffold670	NW_004516084.1	129203	GG	AA	AA	INTERGENIC		
SNP_53982B_129502	scaffold670	NW_004516084.1	129502	TT	AA	AA	INTERGENIC		
SNP_53983B_129899	scaffold670	NW_004516084.1	129899	AA	GG	GG	INTERGENIC		
SNP_53984B_130130	scaffold670	NW_004516084.1	130130	GG	AA	AA	INTERGENIC		
SNP_53985B_130159	scaffold670	NW_004516084.1	130159	TT	GG	GG	INTERGENIC		
SNP_53987B_154392	scaffold670	NW_004516084.1	154392	TT	CC	CC	INTERGENIC		
SNP_53988B_163423	scaffold670	NW_004516084.1	163423	CC	TT	TT	INTERGENIC		
SNP_53989B_163841	scaffold670	NW_004516084.1	163841	GG	AA	AA	INTERGENIC		
SNP_53990B_164441	scaffold670	NW_004516084.1	164441	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_53992B_164686	scaffold670	NW_004516084.1	164686	TT	CC	CC	INTERGENIC		
SNP_53993B_186373	scaffold670	NW_004516084.1	186373	CC	TT	TT	INTERGENIC		
SNP_53994B_187309	scaffold670	NW_004516084.1	187309	TT	CC	CC	INTERGENIC		
SNP_53995B_190147	scaffold670	NW_004516084.1	190147	CC	TT	TT	INTERGENIC		
SNP_53996B_194947	scaffold670	NW_004516084.1	194947	AA	GG	GG	INTERGENIC		
SNP_53997B_194953	scaffold670	NW_004516084.1	194953	AA	GG	GG	INTERGENIC		
SNP_53998B_194954	scaffold670	NW_004516084.1	194954	AA	GG	GG	INTERGENIC		
SNP_53999B_194997	scaffold670	NW_004516084.1	194997	TT	GG	GG	INTERGENIC		
SNP_54000B_197738	scaffold670	NW_004516084.1	197738	GG	AA	AA	INTERGENIC		
SNP_54002B_198151	scaffold670	NW_004516084.1	198151	TT	CC	CC	INTERGENIC		
SNP_54003B_200967	scaffold670	NW_004516084.1	200967	AA	GG	GG	INTERGENIC		
SNP_54004B_201204	scaffold670	NW_004516084.1	201204	TT	CC	CC	INTERGENIC		
SNP_54005B_201295	scaffold670	NW_004516084.1	201295	TT	CC	CC	INTERGENIC		
SNP_54006B_201318	scaffold670	NW_004516084.1	201318	AA	CC	CC	INTERGENIC		
SNP_54007B_202373	scaffold670	NW_004516084.1	202373	TT	AA	AA	INTERGENIC		
SNP_54008B_202390	scaffold670	NW_004516084.1	202390	AA	TT	TT	INTERGENIC		
SNP_54009B_202401	scaffold670	NW_004516084.1	202401	AA	CC	CC	INTERGENIC		
SNP_54010B_227657	scaffold670	NW_004516084.1	227657	TT	AA	AA	INTERGENIC		
SNP_54012B_232391	scaffold670	NW_004516084.1	232391	AA	CC	CC	INTERGENIC		
SNP_54013B_264003	scaffold670	NW_004516084.1	264003	AA	GG	GG	INTERGENIC		
SNP_54014B_264026	scaffold670	NW_004516084.1	264026	GG	AA	AA	INTERGENIC		
SNP_54015B_264041	scaffold670	NW_004516084.1	264041	TT	AA	AA	INTERGENIC		
SNP_54016B_264269	scaffold670	NW_004516084.1	264269	AA	GG	GG	INTERGENIC		
SNP_54017B_93247	scaffold672	NW_004516085.1	93247	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54018B_93299	scaffold672	NW_004516085.1	93299	TT	CC	CC	INTERGENIC		
SNP_54019B_93310	scaffold672	NW_004516085.1	93310	AA	CC	CC	INTERGENIC		
SNP_54020B_93882	scaffold672	NW_004516085.1	93882	CC	GG	GG	INTERGENIC		
SNP_54021B_95295	scaffold672	NW_004516085.1	95295	GG	AA	AA	INTERGENIC		
SNP_54022B_95315	scaffold672	NW_004516085.1	95315	TT	CC	CC	INTERGENIC		
SNP_54023B_101807	scaffold672	NW_004516085.1	101807	TT	CC	CC	INTERGENIC		
SNP_54024B_101942	scaffold672	NW_004516085.1	101942	AA	CC	CC	INTERGENIC		
SNP_54025B_102003	scaffold672	NW_004516085.1	102003	GG	AA	AA	INTERGENIC		
SNP_54026B_102403	scaffold672	NW_004516085.1	102403	GG	TT	TT	INTERGENIC		
SNP_54027B_102446	scaffold672	NW_004516085.1	102446	TT	CC	CC	INTERGENIC		
SNP_54028B_102798	scaffold672	NW_004516085.1	102798	AA	GG	GG	INTERGENIC		
SNP_54029B_104213	scaffold672	NW_004516085.1	104213	AA	CC	CC	INTERGENIC		
SNP_54030B_104254	scaffold672	NW_004516085.1	104254	AA	GG	GG	INTERGENIC		
SNP_54031B_104264	scaffold672	NW_004516085.1	104264	CC	TT	TT	INTERGENIC		
SNP_54032B_191941	scaffold672	NW_004516085.1	191941	CC	TT	TT	INTERGENIC		
SNP_54033B_206686	scaffold672	NW_004516085.1	206686	AA	TT	TT	INTERGENIC		
SNP_54034B_207041	scaffold672	NW_004516085.1	207041	CC	GG	GG	INTERGENIC		
SNP_54035B_215815	scaffold672	NW_004516085.1	215815	AA	GG	GG	INTERGENIC		
SNP_54036B_218666	scaffold672	NW_004516085.1	218666	AA	GG	GG	INTERGENIC		
SNP_54037B_232955	scaffold672	NW_004516085.1	232955	GG	AA	AA	INTERGENIC		
SNP_54038B_4734	scaffold673	NW_004516086.1	4734	AA	TT	TT	INTERGENIC		
SNP_54039B_17686	scaffold673	NW_004516086.1	17686	AA	TT	TT	INTERGENIC		
SNP_54041B_18545	scaffold674	NW_004516087.1	18545	TT	CC	CC	INTERGENIC		
SNP_54043B_18553	scaffold674	NW_004516087.1	18553	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54044B_18557	scaffold674	NW_004516087.1	18557	AA	GG	GG	INTERGENIC		
SNP_54045B_18569	scaffold674	NW_004516087.1	18569	TT	GG	GG	INTERGENIC		
SNP_54046B_18578	scaffold674	NW_004516087.1	18578	TT	CC	CC	INTERGENIC		
SNP_54047B_18603	scaffold674	NW_004516087.1	18603	GG	AA	AA	INTERGENIC		
SNP_54048B_18611	scaffold674	NW_004516087.1	18611	CC	TT	TT	INTERGENIC		
SNP_54049B_18614	scaffold674	NW_004516087.1	18614	AA	TT	TT	INTERGENIC		
SNP_54050B_18626	scaffold674	NW_004516087.1	18626	AA	GG	GG	INTERGENIC		
SNP_54051B_18631	scaffold674	NW_004516087.1	18631	AA	GG	GG	INTERGENIC		
SNP_54052B_18645	scaffold674	NW_004516087.1	18645	AA	GG	GG	INTERGENIC		
SNP_54053B_18654	scaffold674	NW_004516087.1	18654	TT	CC	CC	INTERGENIC		
SNP_54054B_18659	scaffold674	NW_004516087.1	18659	AA	GG	GG	INTERGENIC		
SNP_54055B_18686	scaffold674	NW_004516087.1	18686	AA	GG	GG	INTERGENIC		
SNP_54056B_18695	scaffold674	NW_004516087.1	18695	AA	GG	GG	INTERGENIC		
SNP_54057B_18703	scaffold674	NW_004516087.1	18703	TT	CC	CC	INTERGENIC		
SNP_54058B_18707	scaffold674	NW_004516087.1	18707	TT	CC	CC	INTERGENIC		
SNP_54059B_31657	scaffold674	NW_004516087.1	31657	GG	AA	AA	INTERGENIC		
SNP_54060B_32293	scaffold674	NW_004516087.1	32293	AA	GG	GG	INTERGENIC		
SNP_54061B_32418	scaffold674	NW_004516087.1	32418	TT	CC	CC	INTERGENIC		
SNP_54062B_36533	scaffold674	NW_004516087.1	36533	GG	AA	AA	INTERGENIC		
SNP_54063B_58432	scaffold674	NW_004516087.1	58432	TT	AA	AA	INTERGENIC		
SNP_54064B_79549	scaffold674	NW_004516087.1	79549	CC	TT	TT	INTERGENIC		
SNP_54065B_82432	scaffold674	NW_004516087.1	82432	TT	AA	AA	INTERGENIC		
SNP_54066B_87139	scaffold674	NW_004516087.1	87139	TT	CC	CC	INTERGENIC		
SNP_54067B_87145	scaffold674	NW_004516087.1	87145	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54068B_87170	scaffold674	NW_004516087.1	87170	AA	GG	GG	INTERGENIC		
SNP_54069B_87227	scaffold674	NW_004516087.1	87227	CC	AA	AA	INTERGENIC		
SNP_54070B_126273	scaffold674	NW_004516087.1	126273	AA	GG	GG	INTERGENIC		
SNP_54071B_127593	scaffold674	NW_004516087.1	127593	TT	AA	AA	INTERGENIC		
SNP_54073B_151360	scaffold674	NW_004516087.1	151360	CC	AA	AA	DRR	101492410	multifunctional methyltransferase subunit TRM112-like protein At1g22270
SNP_54074B_157728	scaffold674	NW_004516087.1	157728	GG	CC	CC	INTERGENIC		
SNP_54076B_179704	scaffold674	NW_004516087.1	179704	TT	CC	CC	INTERGENIC		
SNP_54077B_181558	scaffold674	NW_004516087.1	181558	GG	AA	AA	INTERGENIC		
SNP_54078B_181561	scaffold674	NW_004516087.1	181561	GG	AA	AA	INTERGENIC		
SNP_54079B_181593	scaffold674	NW_004516087.1	181593	TT	CC	CC	INTERGENIC		
SNP_54080B_181601	scaffold674	NW_004516087.1	181601	TT	CC	CC	INTERGENIC		
SNP_54081B_181623	scaffold674	NW_004516087.1	181623	GG	AA	AA	INTERGENIC		
SNP_54082B_181837	scaffold674	NW_004516087.1	181837	CC	GG	GG	INTERGENIC		
SNP_54083B_184370	scaffold674	NW_004516087.1	184370	AA	CC	CC	INTERGENIC		
SNP_54084B_184393	scaffold674	NW_004516087.1	184393	CC	TT	TT	INTERGENIC		
SNP_54085B_187117	scaffold674	NW_004516087.1	187117	TT	GG	GG	INTERGENIC		
SNP_54086B_219972	scaffold674	NW_004516087.1	219972	GG	AA	AA	INTERGENIC		
SNP_54087B_222305	scaffold674	NW_004516087.1	222305	GG	AA	AA	INTERGENIC		
SNP_54088B_237260	scaffold674	NW_004516087.1	237260	GG	AA	AA	INTERGENIC		
SNP_54089B_248051	scaffold674	NW_004516087.1	248051	AA	GG	GG	INTERGENIC		
SNP_54091B_249213	scaffold674	NW_004516087.1	249213	GG	AA	AA	INTERGENIC		
SNP_54092B_250220	scaffold674	NW_004516087.1	250220	AA	GG	GG	INTERGENIC		
SNP_54094B_256148	scaffold674	NW_004516087.1	256148	TT	GG	GG	INTERGENIC		
SNP_54095B_291168	scaffold674	NW_004516087.1	291168	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54096B_321559	scaffold674	NW_004516087.1	321559	CC	AA	AA	INTRON	101493400	thioredoxin-like 3-2, chloroplastic
SNP_54097B_331754	scaffold674	NW_004516087.1	331754	CC	AA	AA	INTRON	101493400	thioredoxin-like 3-2, chloroplastic
SNP_54098B_337474	scaffold674	NW_004516087.1	337474	AA	GG	GG	INTERGENIC		
SNP_54099B_357159	scaffold674	NW_004516087.1	357159	AA	GG	GG	INTERGENIC		
SNP_54100B_363679	scaffold674	NW_004516087.1	363679	GG	CC	CC	INTERGENIC		
SNP_54101B_369743	scaffold674	NW_004516087.1	369743	CC	TT	TT	INTERGENIC		
SNP_54102B_369797	scaffold674	NW_004516087.1	369797	TT	CC	CC	INTERGENIC		
SNP_54103B_369889	scaffold674	NW_004516087.1	369889	AA	GG	GG	INTERGENIC		
SNP_54104B_392076	scaffold674	NW_004516087.1	392076	CC	AA	AA	INTERGENIC		
SNP_54105B_396773	scaffold674	NW_004516087.1	396773	AA	GG	GG	INTERGENIC		
SNP_54106B_396982	scaffold674	NW_004516087.1	396982	AA	CC	CC	INTERGENIC		
SNP_54107B_401140	scaffold674	NW_004516087.1	401140	GG	AA	AA	INTERGENIC		
SNP_54108B_401149	scaffold674	NW_004516087.1	401149	TT	CC	CC	INTERGENIC		
SNP_54109B_401155	scaffold674	NW_004516087.1	401155	CC	TT	TT	INTERGENIC		
SNP_54110B_401161	scaffold674	NW_004516087.1	401161	AA	TT	TT	INTERGENIC		
SNP_54111B_401338	scaffold674	NW_004516087.1	401338	TT	GG	GG	INTERGENIC		
SNP_54112B_401343	scaffold674	NW_004516087.1	401343	CC	AA	AA	INTERGENIC		
SNP_54113B_401414	scaffold674	NW_004516087.1	401414	GG	TT	TT	INTERGENIC		
SNP_54114B_401430	scaffold674	NW_004516087.1	401430	AA	GG	GG	INTERGENIC		
SNP_54116B_401523	scaffold674	NW_004516087.1	401523	GG	TT	TT	INTERGENIC		
SNP_54117B_401590	scaffold674	NW_004516087.1	401590	TT	CC	CC	INTERGENIC		
SNP_54120B_405016	scaffold674	NW_004516087.1	405016	CC	AA	AA	INTERGENIC		
SNP_54121B_416132	scaffold674	NW_004516087.1	416132	TT	CC	CC	INTERGENIC		
SNP_54122B_426127	scaffold674	NW_004516087.1	426127	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54123B_426701	scaffold674	NW_004516087.1	426701	AA	GG	GG	INTERGENIC		
SNP_54124B_437197	scaffold674	NW_004516087.1	437197	AA	GG	GG	INTERGENIC		
SNP_54125B_450497	scaffold674	NW_004516087.1	450497	GG	AA	AA	INTERGENIC		
SNP_54126B_467056	scaffold674	NW_004516087.1	467056	TT	CC	CC	INTERGENIC		
SNP_54129B_478480	scaffold674	NW_004516087.1	478480	TT	CC	CC	INTERGENIC		
SNP_54130B_499132	scaffold674	NW_004516087.1	499132	GG	AA	AA	INTRON	101494768	probable sodium/metabolite cotransporter BASS4, chloroplastic
SNP_54131B_500787	scaffold674	NW_004516087.1	500787	TT	CC	CC	INTRON	101494768	probable sodium/metabolite cotransporter BASS4, chloroplastic
SNP_54132B_500799	scaffold674	NW_004516087.1	500799	AA	TT	TT	INTRON	101494768	probable sodium/metabolite cotransporter BASS4, chloroplastic
SNP_54133B_503960	scaffold674	NW_004516087.1	503960	AA	GG	GG	INTRON	101494768	probable sodium/metabolite cotransporter BASS4, chloroplastic
SNP_54134B_528031	scaffold674	NW_004516087.1	528031	GG	AA	AA	INTERGENIC		
SNP_54136B_534774	scaffold674	NW_004516087.1	534774	TT	CC	CC	INTERGENIC		
SNP_54137B_536088	scaffold674	NW_004516087.1	536088	AA	TT	TT	INTERGENIC		
SNP_54138B_551089	scaffold674	NW_004516087.1	551089	CC	TT	TT	INTERGENIC		
SNP_54139B_559487	scaffold674	NW_004516087.1	559487	AA	GG	GG	INTERGENIC		
SNP_54140B_569041	scaffold674	NW_004516087.1	569041	TT	CC	CC	INTERGENIC		
SNP_54141B_571768	scaffold674	NW_004516087.1	571768	TT	CC	CC	INTERGENIC		
SNP_54142B_574494	scaffold674	NW_004516087.1	574494	CC	TT	TT	INTERGENIC		
SNP_54143B_582768	scaffold674	NW_004516087.1	582768	TT	CC	CC	INTERGENIC		
SNP_54144B_601955	scaffold674	NW_004516087.1	601955	AA	GG	GG	NON_SYNONYMOUS_CODING	101500318	uncharacterized LOC101500318
SNP_54145B_603030	scaffold674	NW_004516087.1	603030	AA	CC	CC	URR	101500318	uncharacterized LOC101500318
SNP_54148B_657580	scaffold674	NW_004516087.1	657580	AA	GG	GG	INTERGENIC		
SNP_54149B_668370	scaffold674	NW_004516087.1	668370	TT	CC	CC	INTERGENIC		
SNP_54150B_668475	scaffold674	NW_004516087.1	668475	AA	GG	GG	INTERGENIC		
SNP_54152B_670973	scaffold674	NW_004516087.1	670973	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54153B_679780	scaffold674	NW_004516087.1	679780	GG	CC	CC	INTERGENIC		
SNP_54154B_682522	scaffold674	NW_004516087.1	682522	AA	TT	TT	INTERGENIC		
SNP_54155B_711894	scaffold674	NW_004516087.1	711894	GG	AA	AA	INTERGENIC		
SNP_54156B_720293	scaffold674	NW_004516087.1	720293	AA	GG	GG	INTERGENIC		
SNP_54157B_720874	scaffold674	NW_004516087.1	720874	TT	CC	CC	INTERGENIC		
SNP_54158B_728371	scaffold674	NW_004516087.1	728371	CC	AA	AA	INTERGENIC		
SNP_54159B_728536	scaffold674	NW_004516087.1	728536	GG	AA	AA	INTERGENIC		
SNP_54160B_729638	scaffold674	NW_004516087.1	729638	CC	TT	TT	INTERGENIC		
SNP_54161B_758454	scaffold674	NW_004516087.1	758454	GG	AA	AA	INTERGENIC		
SNP_54162B_758461	scaffold674	NW_004516087.1	758461	GG	AA	AA	INTERGENIC		
SNP_54163B_773490	scaffold674	NW_004516087.1	773490	AA	CC	CC	INTERGENIC		
SNP_54164B_784664	scaffold674	NW_004516087.1	784664	TT	CC	CC	INTERGENIC		
SNP_54165B_788512	scaffold674	NW_004516087.1	788512	GG	AA	AA	INTERGENIC		
SNP_54166B_788513	scaffold674	NW_004516087.1	788513	CC	TT	TT	INTERGENIC		
SNP_54167B_797909	scaffold674	NW_004516087.1	797909	AA	GG	GG	INTERGENIC		
SNP_54168B_829548	scaffold674	NW_004516087.1	829548	CC	AA	AA	INTRON	101495762	cystathionine beta-lyase, chloroplastic
SNP_54169B_829590	scaffold674	NW_004516087.1	829590	AA	GG	GG	INTRON	101495762	cystathionine beta-lyase, chloroplastic
SNP_54170B_829679	scaffold674	NW_004516087.1	829679	GG	TT	TT	INTRON	101495762	cystathionine beta-lyase, chloroplastic
SNP_54171B_829682	scaffold674	NW_004516087.1	829682	TT	GG	GG	INTRON	101495762	cystathionine beta-lyase, chloroplastic
SNP_54172B_829882	scaffold674	NW_004516087.1	829882	CC	TT	TT	INTRON	101495762	cystathionine beta-lyase, chloroplastic
SNP_54173B_829894	scaffold674	NW_004516087.1	829894	TT	AA	AA	INTRON	101495762	cystathionine beta-lyase, chloroplastic
SNP_54174B_829909	scaffold674	NW_004516087.1	829909	TT	CC	CC	INTRON	101495762	cystathionine beta-lyase, chloroplastic
SNP_54175B_829918	scaffold674	NW_004516087.1	829918	CC	TT	TT	INTRON	101495762	cystathionine beta-lyase, chloroplastic
SNP_54176B_829971	scaffold674	NW_004516087.1	829971	AA	GG	GG	INTRON	101495762	cystathionine beta-lyase, chloroplastic

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54177B_841029	scaffold674	NW_004516087.1	841029	CC	TT	TT	INTERGENIC		
SNP_54178B_842070	scaffold674	NW_004516087.1	842070	CC	TT	TT	INTERGENIC		
SNP_54179B_842884	scaffold674	NW_004516087.1	842884	AA	GG	GG	INTERGENIC		
SNP_54180B_843199	scaffold674	NW_004516087.1	843199	TT	GG	GG	INTERGENIC		
SNP_54181B_843201	scaffold674	NW_004516087.1	843201	TT	CC	CC	INTERGENIC		
SNP_54182B_843280	scaffold674	NW_004516087.1	843280	TT	CC	CC	INTERGENIC		
SNP_54183B_848609	scaffold674	NW_004516087.1	848609	CC	AA	AA	INTERGENIC		
SNP_54184B_871622	scaffold674	NW_004516087.1	871622	TT	AA	AA	INTERGENIC		
SNP_54185B_887603	scaffold674	NW_004516087.1	887603	GG	AA	AA	INTERGENIC		
SNP_54186B_887678	scaffold674	NW_004516087.1	887678	CC	TT	TT	INTERGENIC		
SNP_54187B_891327	scaffold674	NW_004516087.1	891327	AA	GG	GG	INTERGENIC		
SNP_54188B_891400	scaffold674	NW_004516087.1	891400	CC	TT	TT	INTERGENIC		
SNP_54189B_891413	scaffold674	NW_004516087.1	891413	CC	TT	TT	INTERGENIC		
SNP_54190B_891415	scaffold674	NW_004516087.1	891415	AA	TT	TT	INTERGENIC		
SNP_54191B_301	scaffold675	NW_004516088.1	301	TT	CC	CC	INTERGENIC		
SNP_54192B_15263	scaffold675	NW_004516088.1	15263	CC	TT	TT	INTERGENIC		
SNP_54193B_15366	scaffold675	NW_004516088.1	15366	AA	GG	GG	INTERGENIC		
SNP_54194B_15451	scaffold675	NW_004516088.1	15451	GG	TT	TT	INTERGENIC		
SNP_54196B_15722	scaffold675	NW_004516088.1	15722	GG	CC	CC	INTERGENIC		
SNP_54197B_20111	scaffold675	NW_004516088.1	20111	GG	TT	TT	INTERGENIC		
SNP_54198B_20140	scaffold675	NW_004516088.1	20140	CC	TT	TT	INTERGENIC		
SNP_54199B_60937	scaffold675	NW_004516088.1	60937	TT	GG	GG	INTERGENIC		
SNP_54200B_60940	scaffold675	NW_004516088.1	60940	CC	TT	TT	INTERGENIC		
SNP_54201B_60951	scaffold675	NW_004516088.1	60951	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54203B_82270	scaffold675	NW_004516088.1	82270	AA	CC	CC	INTERGENIC		
SNP_54205B_82585	scaffold675	NW_004516088.1	82585	CC	TT	TT	INTERGENIC		
SNP_54206B_82597	scaffold675	NW_004516088.1	82597	GG	AA	AA	INTERGENIC		
SNP_54207B_89675	scaffold675	NW_004516088.1	89675	TT	GG	GG	INTERGENIC		
SNP_54208B_89697	scaffold675	NW_004516088.1	89697	TT	GG	GG	INTERGENIC		
SNP_54210B_90038	scaffold675	NW_004516088.1	90038	AA	TT	TT	INTERGENIC		
SNP_54211B_90075	scaffold675	NW_004516088.1	90075	CC	TT	TT	INTERGENIC		
SNP_54212B_104207	scaffold675	NW_004516088.1	104207	AA	GG	GG	INTERGENIC		
SNP_54213B_131822	scaffold675	NW_004516088.1	131822	CC	AA	AA	INTERGENIC		
SNP_54214B_14401	scaffold676	NW_004516089.1	14401	AA	GG	GG	INTERGENIC		
SNP_54215B_14525	scaffold676	NW_004516089.1	14525	AA	GG	GG	INTERGENIC		
SNP_54217B_14887	scaffold676	NW_004516089.1	14887	CC	GG	GG	INTERGENIC		
SNP_54218B_20175	scaffold676	NW_004516089.1	20175	TT	AA	AA	INTERGENIC		
SNP_54219B_27053	scaffold676	NW_004516089.1	27053	CC	AA	AA	INTERGENIC		
SNP_54220B_27378	scaffold676	NW_004516089.1	27378	TT	AA	AA	INTERGENIC		
SNP_54221B_49646	scaffold676	NW_004516089.1	49646	TT	AA	AA	INTERGENIC		
SNP_54222B_49796	scaffold676	NW_004516089.1	49796	CC	TT	TT	INTERGENIC		
SNP_54223B_50070	scaffold676	NW_004516089.1	50070	CC	TT	TT	INTERGENIC		
SNP_54224B_50143	scaffold676	NW_004516089.1	50143	AA	CC	CC	INTERGENIC		
SNP_54225B_50159	scaffold676	NW_004516089.1	50159	GG	CC	CC	INTERGENIC		
SNP_54226B_50430	scaffold676	NW_004516089.1	50430	AA	CC	CC	INTERGENIC		
SNP_54227B_50434	scaffold676	NW_004516089.1	50434	TT	CC	CC	INTERGENIC		
SNP_54228B_50457	scaffold676	NW_004516089.1	50457	CC	GG	GG	INTERGENIC		
SNP_54229B_52763	scaffold676	NW_004516089.1	52763	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54230B_54607	scaffold676	NW_004516089.1	54607	AA	GG	GG	INTERGENIC		
SNP_54231B_54613	scaffold676	NW_004516089.1	54613	AA	TT	TT	INTERGENIC		
SNP_54232B_55404	scaffold676	NW_004516089.1	55404	CC	AA	AA	INTERGENIC		
SNP_54233B_55408	scaffold676	NW_004516089.1	55408	AA	TT	TT	INTERGENIC		
SNP_54234B_55640	scaffold676	NW_004516089.1	55640	TT	CC	CC	INTERGENIC		
SNP_54235B_55900	scaffold676	NW_004516089.1	55900	AA	CC	CC	INTERGENIC		
SNP_54236B_56110	scaffold676	NW_004516089.1	56110	GG	CC	CC	INTERGENIC		
SNP_54237B_56144	scaffold676	NW_004516089.1	56144	CC	TT	TT	INTERGENIC		
SNP_54238B_56173	scaffold676	NW_004516089.1	56173	GG	TT	TT	INTERGENIC		
SNP_54239B_56448	scaffold676	NW_004516089.1	56448	GG	CC	CC	INTERGENIC		
SNP_54240B_56611	scaffold676	NW_004516089.1	56611	TT	GG	GG	INTERGENIC		
SNP_54241B_56613	scaffold676	NW_004516089.1	56613	GG	TT	TT	INTERGENIC		
SNP_54242B_56637	scaffold676	NW_004516089.1	56637	TT	GG	GG	INTERGENIC		
SNP_54243B_56695	scaffold676	NW_004516089.1	56695	CC	TT	TT	INTERGENIC		
SNP_54244B_56696	scaffold676	NW_004516089.1	56696	GG	AA	AA	INTERGENIC		
SNP_54245B_56702	scaffold676	NW_004516089.1	56702	TT	CC	CC	INTERGENIC		
SNP_54246B_56738	scaffold676	NW_004516089.1	56738	GG	AA	AA	INTERGENIC		
SNP_54247B_56754	scaffold676	NW_004516089.1	56754	AA	GG	GG	INTERGENIC		
SNP_54248B_56857	scaffold676	NW_004516089.1	56857	AA	TT	TT	INTERGENIC		
SNP_54249B_56949	scaffold676	NW_004516089.1	56949	GG	CC	CC	INTERGENIC		
SNP_54250B_59217	scaffold676	NW_004516089.1	59217	AA	GG	GG	INTERGENIC		
SNP_54251B_59252	scaffold676	NW_004516089.1	59252	CC	GG	GG	INTERGENIC		
SNP_54252B_64233	scaffold676	NW_004516089.1	64233	TT	CC	CC	INTERGENIC		
SNP_54253B_64254	scaffold676	NW_004516089.1	64254	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54254B_64258	scaffold676	NW_004516089.1	64258	AA	GG	GG	INTERGENIC		
SNP_54255B_66424	scaffold676	NW_004516089.1	66424	AA	GG	GG	INTERGENIC		
SNP_54256B_66444	scaffold676	NW_004516089.1	66444	AA	GG	GG	INTERGENIC		
SNP_54257B_66574	scaffold676	NW_004516089.1	66574	GG	CC	CC	INTERGENIC		
SNP_54258B_67317	scaffold676	NW_004516089.1	67317	AA	TT	TT	INTERGENIC		
SNP_54259B_68340	scaffold676	NW_004516089.1	68340	AA	TT	TT	INTERGENIC		
SNP_54260B_68638	scaffold676	NW_004516089.1	68638	AA	TT	TT	INTERGENIC		
SNP_54261B_68716	scaffold676	NW_004516089.1	68716	CC	GG	GG	INTERGENIC		
SNP_54262B_68736	scaffold676	NW_004516089.1	68736	AA	GG	GG	INTERGENIC		
SNP_54263B_68745	scaffold676	NW_004516089.1	68745	CC	TT	TT	INTERGENIC		
SNP_54264B_68760	scaffold676	NW_004516089.1	68760	TT	CC	CC	INTERGENIC		
SNP_54265B_68802	scaffold676	NW_004516089.1	68802	AA	GG	GG	INTERGENIC		
SNP_54266B_69580	scaffold676	NW_004516089.1	69580	CC	AA	AA	INTERGENIC		
SNP_54267B_69657	scaffold676	NW_004516089.1	69657	CC	TT	TT	INTERGENIC		
SNP_54268B_69880	scaffold676	NW_004516089.1	69880	TT	GG	GG	INTERGENIC		
SNP_54269B_71303	scaffold676	NW_004516089.1	71303	GG	AA	AA	INTERGENIC		
SNP_54270B_72626	scaffold676	NW_004516089.1	72626	CC	TT	TT	INTERGENIC		
SNP_54272B_73621	scaffold676	NW_004516089.1	73621	TT	CC	CC	INTERGENIC		
SNP_54273B_73668	scaffold676	NW_004516089.1	73668	TT	CC	CC	INTERGENIC		
SNP_54274B_73796	scaffold676	NW_004516089.1	73796	GG	CC	CC	INTERGENIC		
SNP_54275B_77733	scaffold676	NW_004516089.1	77733	CC	AA	AA	INTERGENIC		
SNP_54276B_78006	scaffold676	NW_004516089.1	78006	CC	AA	AA	INTERGENIC		
SNP_54277B_78015	scaffold676	NW_004516089.1	78015	TT	CC	CC	INTERGENIC		
SNP_54278B_78823	scaffold676	NW_004516089.1	78823	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54279B_78842	scaffold676	NW_004516089.1	78842	AA	GG	GG	INTERGENIC		
SNP_54280B_79511	scaffold676	NW_004516089.1	79511	CC	TT	TT	INTERGENIC		
SNP_54281B_84091	scaffold676	NW_004516089.1	84091	GG	CC	CC	INTERGENIC		
SNP_54282B_84140	scaffold676	NW_004516089.1	84140	TT	CC	CC	INTERGENIC		
SNP_54283B_84373	scaffold676	NW_004516089.1	84373	AA	GG	GG	INTERGENIC		
SNP_54284B_84427	scaffold676	NW_004516089.1	84427	GG	CC	CC	INTERGENIC		
SNP_54285B_84495	scaffold676	NW_004516089.1	84495	GG	AA	AA	INTERGENIC		
SNP_54287B_84582	scaffold676	NW_004516089.1	84582	AA	CC	CC	INTERGENIC		
SNP_54288B_85594	scaffold676	NW_004516089.1	85594	AA	TT	TT	INTERGENIC		
SNP_54289B_85641	scaffold676	NW_004516089.1	85641	TT	CC	CC	INTERGENIC		
SNP_54290B_85646	scaffold676	NW_004516089.1	85646	AA	TT	TT	INTERGENIC		
SNP_54291B_85660	scaffold676	NW_004516089.1	85660	TT	GG	GG	INTERGENIC		
SNP_54292B_89794	scaffold676	NW_004516089.1	89794	AA	GG	GG	INTERGENIC		
SNP_54293B_90214	scaffold676	NW_004516089.1	90214	AA	GG	GG	INTERGENIC		
SNP_54294B_90560	scaffold676	NW_004516089.1	90560	AA	GG	GG	INTERGENIC		
SNP_54295B_90832	scaffold676	NW_004516089.1	90832	AA	TT	TT	INTERGENIC		
SNP_54296B_91456	scaffold676	NW_004516089.1	91456	CC	AA	AA	INTERGENIC		
SNP_54297B_91499	scaffold676	NW_004516089.1	91499	AA	TT	TT	INTERGENIC		
SNP_54298B_91788	scaffold676	NW_004516089.1	91788	AA	TT	TT	INTERGENIC		
SNP_54299B_93307	scaffold676	NW_004516089.1	93307	CC	TT	TT	INTERGENIC		
SNP_54300B_93795	scaffold676	NW_004516089.1	93795	CC	TT	TT	INTERGENIC		
SNP_54301B_93812	scaffold676	NW_004516089.1	93812	GG	TT	TT	INTERGENIC		
SNP_54302B_101212	scaffold676	NW_004516089.1	101212	CC	TT	TT	INTERGENIC		
SNP_54303B_101249	scaffold676	NW_004516089.1	101249	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54304B_101511	scaffold676	NW_004516089.1	101511	GG	AA	AA	INTERGENIC		
SNP_54305B_101530	scaffold676	NW_004516089.1	101530	TT	CC	CC	INTERGENIC		
SNP_54306B_102470	scaffold676	NW_004516089.1	102470	TT	CC	CC	INTERGENIC		
SNP_54307B_104086	scaffold676	NW_004516089.1	104086	TT	GG	GG	INTERGENIC		
SNP_54308B_104264	scaffold676	NW_004516089.1	104264	GG	CC	CC	INTERGENIC		
SNP_54309B_104286	scaffold676	NW_004516089.1	104286	TT	CC	CC	INTERGENIC		
SNP_54311B_104293	scaffold676	NW_004516089.1	104293	TT	AA	AA	INTERGENIC		
SNP_54312B_104878	scaffold676	NW_004516089.1	104878	AA	TT	TT	INTERGENIC		
SNP_54313B_105557	scaffold676	NW_004516089.1	105557	CC	TT	TT	INTERGENIC		
SNP_54314B_109594	scaffold676	NW_004516089.1	109594	AA	TT	TT	INTERGENIC		
SNP_54315B_121261	scaffold676	NW_004516089.1	121261	AA	TT	TT	INTERGENIC		
SNP_54316B_136784	scaffold676	NW_004516089.1	136784	TT	AA	AA	INTERGENIC		
SNP_54317B_137048	scaffold676	NW_004516089.1	137048	AA	TT	TT	INTERGENIC		
SNP_54318B_137119	scaffold676	NW_004516089.1	137119	TT	CC	CC	INTERGENIC		
SNP_54319B_137416	scaffold676	NW_004516089.1	137416	AA	GG	GG	INTERGENIC		
SNP_54320B_149267	scaffold676	NW_004516089.1	149267	AA	TT	TT	INTERGENIC		
SNP_54321B_149367	scaffold676	NW_004516089.1	149367	GG	AA	AA	INTERGENIC		
SNP_54322B_149434	scaffold676	NW_004516089.1	149434	AA	TT	GG	INTERGENIC		
SNP_54323B_151856	scaffold676	NW_004516089.1	151856	AA	GG	GG	INTERGENIC		
SNP_54324B_152014	scaffold676	NW_004516089.1	152014	TT	AA	AA	INTERGENIC		
SNP_54325B_157676	scaffold676	NW_004516089.1	157676	TT	CC	CC	INTERGENIC		
SNP_54326B_158274	scaffold676	NW_004516089.1	158274	AA	GG	GG	INTERGENIC		
SNP_54327B_158368	scaffold676	NW_004516089.1	158368	CC	TT	TT	INTERGENIC		
SNP_54328B_161954	scaffold676	NW_004516089.1	161954	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54329B_347	scaffold678	NW_004516091.1	347	TT	GG	GG	INTERGENIC		
SNP_54330B_12414	scaffold678	NW_004516091.1	12414	TT	AA	AA	INTERGENIC		
SNP_54331B_12424	scaffold678	NW_004516091.1	12424	GG	AA	AA	INTERGENIC		
SNP_54332B_12451	scaffold678	NW_004516091.1	12451	AA	TT	TT	INTERGENIC		
SNP_54333B_12476	scaffold678	NW_004516091.1	12476	TT	AA	AA	INTERGENIC		
SNP_54334B_12493	scaffold678	NW_004516091.1	12493	CC	AA	AA	INTERGENIC		
SNP_54335B_12680	scaffold678	NW_004516091.1	12680	GG	AA	AA	INTERGENIC		
SNP_54336B_12738	scaffold678	NW_004516091.1	12738	AA	CC	CC	INTERGENIC		
SNP_54337B_12768	scaffold678	NW_004516091.1	12768	AA	CC	CC	INTERGENIC		
SNP_54338B_39277	scaffold678	NW_004516091.1	39277	AA	GG	GG	INTERGENIC		
SNP_54339B_39285	scaffold678	NW_004516091.1	39285	CC	TT	TT	INTERGENIC		
SNP_54340B_39415	scaffold678	NW_004516091.1	39415	GG	AA	AA	INTERGENIC		
SNP_54341B_39507	scaffold678	NW_004516091.1	39507	AA	GG	GG	INTERGENIC		
SNP_54342B_39552	scaffold678	NW_004516091.1	39552	GG	AA	AA	INTERGENIC		
SNP_54343B_39565	scaffold678	NW_004516091.1	39565	CC	TT	TT	INTERGENIC		
SNP_54344B_39571	scaffold678	NW_004516091.1	39571	GG	AA	AA	INTERGENIC		
SNP_54345B_39577	scaffold678	NW_004516091.1	39577	CC	AA	AA	INTERGENIC		
SNP_54346B_39627	scaffold678	NW_004516091.1	39627	TT	GG	GG	INTERGENIC		
SNP_54347B_39632	scaffold678	NW_004516091.1	39632	AA	TT	TT	INTERGENIC		
SNP_54348B_39643	scaffold678	NW_004516091.1	39643	GG	TT	TT	INTERGENIC		
SNP_54349B_39707	scaffold678	NW_004516091.1	39707	GG	CC	CC	INTERGENIC		
SNP_54350B_39719	scaffold678	NW_004516091.1	39719	CC	AA	AA	INTERGENIC		
SNP_54351B_39729	scaffold678	NW_004516091.1	39729	AA	GG	GG	INTERGENIC		
SNP_54353B_39858	scaffold678	NW_004516091.1	39858	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54354B_39860	scaffold678	NW_004516091.1	39860	CC	TT	TT	INTERGENIC		
SNP_54355B_39888	scaffold678	NW_004516091.1	39888	CC	GG	GG	INTERGENIC		
SNP_54356B_41024	scaffold678	NW_004516091.1	41024	AA	CC	CC	INTERGENIC		
SNP_54357B_41042	scaffold678	NW_004516091.1	41042	TT	GG	GG	INTERGENIC		
SNP_54358B_41059	scaffold678	NW_004516091.1	41059	AA	TT	TT	INTERGENIC		
SNP_54359B_41215	scaffold678	NW_004516091.1	41215	GG	CC	CC	INTERGENIC		
SNP_54360B_41269	scaffold678	NW_004516091.1	41269	AA	TT	TT	INTERGENIC		
SNP_54361B_41321	scaffold678	NW_004516091.1	41321	TT	GG	GG	INTERGENIC		
SNP_54362B_41323	scaffold678	NW_004516091.1	41323	GG	AA	AA	INTERGENIC		
SNP_54363B_41440	scaffold678	NW_004516091.1	41440	CC	TT	TT	INTERGENIC		
SNP_54365B_42476	scaffold678	NW_004516091.1	42476	AA	CC	CC	INTERGENIC		
SNP_54366B_42533	scaffold678	NW_004516091.1	42533	TT	CC	CC	INTERGENIC		
SNP_54367B_42704	scaffold678	NW_004516091.1	42704	TT	AA	AA	INTERGENIC		
SNP_54368B_42761	scaffold678	NW_004516091.1	42761	AA	CC	CC	INTERGENIC		
SNP_54369B_60298	scaffold678	NW_004516091.1	60298	TT	AA	AA	INTERGENIC		
SNP_54370B_78222	scaffold678	NW_004516091.1	78222	CC	GG	GG	INTERGENIC		
SNP_54372B_111288	scaffold678	NW_004516091.1	111288	TT	CC	CC	INTERGENIC		
SNP_54373B_112892	scaffold678	NW_004516091.1	112892	TT	CC	CC	INTERGENIC		
SNP_54374B_118107	scaffold678	NW_004516091.1	118107	CC	TT	TT	URR	101503488	uncharacterized LOC101503488
SNP_54375B_118119	scaffold678	NW_004516091.1	118119	CC	TT	TT	URR	101503488	uncharacterized LOC101503488
SNP_54376B_119077	scaffold678	NW_004516091.1	119077	CC	AA	AA	URR	101503488	uncharacterized LOC101503488
SNP_54377B_120403	scaffold678	NW_004516091.1	120403	GG	AA	AA	INTERGENIC		
SNP_54378B_11748	scaffold681	NW_004516093.1	11748	TT	CC	CC	INTERGENIC		
SNP_54379B_25454	scaffold681	NW_004516093.1	25454	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54380B_48207	scaffold681	NW_004516093.1	48207	TT	GG	GG	INTERGENIC		
SNP_54381B_11161	scaffold682	NW_004516094.1	11161	AA	TT	TT	INTERGENIC		
SNP_54382B_23654	scaffold682	NW_004516094.1	23654	CC	TT	TT	INTERGENIC		
SNP_54383B_78362	scaffold682	NW_004516094.1	78362	GG	AA	AA	INTERGENIC		
SNP_54384B_78388	scaffold682	NW_004516094.1	78388	TT	CC	CC	INTERGENIC		
SNP_54385B_78414	scaffold682	NW_004516094.1	78414	CC	TT	TT	INTERGENIC		
SNP_54386B_82823	scaffold682	NW_004516094.1	82823	CC	TT	TT	INTERGENIC		
SNP_54387B_82826	scaffold682	NW_004516094.1	82826	CC	TT	TT	INTERGENIC		
SNP_54388B_82838	scaffold682	NW_004516094.1	82838	TT	GG	GG	INTERGENIC		
SNP_54389B_82839	scaffold682	NW_004516094.1	82839	AA	TT	TT	INTERGENIC		
SNP_54391B_134740	scaffold682	NW_004516094.1	134740	TT	AA	AA	INTERGENIC		
SNP_54392B_190888	scaffold682	NW_004516094.1	190888	CC	TT	TT	URR	101509168	Unknown function
SNP_54393B_190899	scaffold682	NW_004516094.1	190899	GG	AA	AA	URR	101509168	Unknown function
SNP_54394B_190902	scaffold682	NW_004516094.1	190902	CC	TT	TT	URR	101509168	Unknown function
SNP_54395B_220216	scaffold682	NW_004516094.1	220216	CC	AA	AA	INTERGENIC		
SNP_54396B_220447	scaffold682	NW_004516094.1	220447	AA	GG	GG	INTERGENIC		
SNP_54397B_222232	scaffold682	NW_004516094.1	222232	GG	AA	AA	INTERGENIC		
SNP_54398B_223515	scaffold682	NW_004516094.1	223515	AA	GG	GG	INTERGENIC		
SNP_54399B_225150	scaffold682	NW_004516094.1	225150	TT	CC	CC	INTERGENIC		
SNP_54400B_232219	scaffold682	NW_004516094.1	232219	GG	TT	TT	INTERGENIC		
SNP_54401B_232501	scaffold682	NW_004516094.1	232501	TT	CC	CC	INTERGENIC		
SNP_54402B_232512	scaffold682	NW_004516094.1	232512	CC	AA	AA	INTERGENIC		
SNP_54403B_232603	scaffold682	NW_004516094.1	232603	AA	GG	GG	INTERGENIC		
SNP_54404B_239079	scaffold682	NW_004516094.1	239079	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54405B_239113	scaffold682	NW_004516094.1	239113	GG	CC	CC	INTERGENIC		
SNP_54407B_239256	scaffold682	NW_004516094.1	239256	TT	CC	CC	INTERGENIC		
SNP_54408B_239267	scaffold682	NW_004516094.1	239267	AA	GG	GG	INTERGENIC		
SNP_54410B_239342	scaffold682	NW_004516094.1	239342	TT	CC	CC	INTERGENIC		
SNP_54411B_239601	scaffold682	NW_004516094.1	239601	GG	AA	AA	INTERGENIC		
SNP_54412B_239663	scaffold682	NW_004516094.1	239663	TT	CC	CC	INTERGENIC		
SNP_54413B_240901	scaffold682	NW_004516094.1	240901	AA	GG	GG	INTERGENIC		
SNP_54414B_240932	scaffold682	NW_004516094.1	240932	AA	GG	GG	INTERGENIC		
SNP_54415B_240943	scaffold682	NW_004516094.1	240943	GG	AA	AA	INTERGENIC		
SNP_54416B_240952	scaffold682	NW_004516094.1	240952	TT	CC	CC	INTERGENIC		
SNP_54417B_240953	scaffold682	NW_004516094.1	240953	AA	CC	CC	INTERGENIC		
SNP_54418B_240973	scaffold682	NW_004516094.1	240973	TT	AA	AA	INTERGENIC		
SNP_54419B_240987	scaffold682	NW_004516094.1	240987	TT	GG	GG	INTERGENIC		
SNP_54420B_240997	scaffold682	NW_004516094.1	240997	CC	AA	AA	INTERGENIC		
SNP_54421B_241058	scaffold682	NW_004516094.1	241058	GG	AA	AA	INTERGENIC		
SNP_54422B_241117	scaffold682	NW_004516094.1	241117	TT	GG	GG	INTERGENIC		
SNP_54423B_241139	scaffold682	NW_004516094.1	241139	TT	CC	CC	INTERGENIC		
SNP_54424B_252676	scaffold682	NW_004516094.1	252676	TT	GG	GG	INTERGENIC		
SNP_54425B_253056	scaffold682	NW_004516094.1	253056	TT	AA	AA	INTERGENIC		
SNP_54427B_347768	scaffold682	NW_004516094.1	347768	GG	AA	AA	INTERGENIC		
SNP_54428B_347951	scaffold682	NW_004516094.1	347951	TT	CC	CC	INTERGENIC		
SNP_54429B_347974	scaffold682	NW_004516094.1	347974	AA	GG	GG	INTERGENIC		
SNP_54430B_369730	scaffold682	NW_004516094.1	369730	TT	CC	CC	INTERGENIC		
SNP_54431B_369736	scaffold682	NW_004516094.1	369736	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54432B_369740	scaffold682	NW_004516094.1	369740	TT	CC	CC	INTERGENIC		
SNP_54433B_373599	scaffold682	NW_004516094.1	373599	CC	AA	AA	INTERGENIC		
SNP_54434B_373682	scaffold682	NW_004516094.1	373682	GG	TT	TT	INTERGENIC		
SNP_54435B_375045	scaffold682	NW_004516094.1	375045	GG	AA	AA	INTERGENIC		
SNP_54436B_375089	scaffold682	NW_004516094.1	375089	AA	GG	GG	INTERGENIC		
SNP_54437B_376239	scaffold682	NW_004516094.1	376239	GG	TT	TT	INTERGENIC		
SNP_54438B_463012	scaffold682	NW_004516094.1	463012	AA	TT	TT	INTERGENIC		
SNP_54439B_463021	scaffold682	NW_004516094.1	463021	TT	CC	CC	INTERGENIC		
SNP_54440B_463032	scaffold682	NW_004516094.1	463032	GG	AA	AA	INTERGENIC		
SNP_54441B_463042	scaffold682	NW_004516094.1	463042	TT	CC	CC	INTERGENIC		
SNP_54442B_463044	scaffold682	NW_004516094.1	463044	CC	TT	TT	INTERGENIC		
SNP_54443B_463087	scaffold682	NW_004516094.1	463087	TT	CC	CC	INTERGENIC		
SNP_54444B_463096	scaffold682	NW_004516094.1	463096	TT	CC	CC	INTERGENIC		
SNP_54445B_463115	scaffold682	NW_004516094.1	463115	AA	TT	TT	INTERGENIC		
SNP_54446B_463135	scaffold682	NW_004516094.1	463135	TT	CC	CC	INTERGENIC		
SNP_54447B_463145	scaffold682	NW_004516094.1	463145	AA	TT	TT	INTERGENIC		
SNP_54448B_463160	scaffold682	NW_004516094.1	463160	AA	GG	GG	INTERGENIC		
SNP_54449B_463168	scaffold682	NW_004516094.1	463168	AA	GG	GG	INTERGENIC		
SNP_54450B_463180	scaffold682	NW_004516094.1	463180	TT	CC	CC	INTERGENIC		
SNP_54451B_463221	scaffold682	NW_004516094.1	463221	AA	GG	GG	INTERGENIC		
SNP_54452B_463273	scaffold682	NW_004516094.1	463273	CC	TT	TT	INTERGENIC		
SNP_54453B_482118	scaffold682	NW_004516094.1	482118	AA	GG	GG	DRR	101506945	DNA-directed RNA polymerase III subunit RPC8-like
SNP_54454B_498280	scaffold682	NW_004516094.1	498280	AA	CC	CC	INTERGENIC		
SNP_54455B_498339	scaffold682	NW_004516094.1	498339	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54456B_498344	scaffold682	NW_004516094.1	498344	AA	CC	CC	INTERGENIC		
SNP_54457B_498353	scaffold682	NW_004516094.1	498353	TT	CC	CC	INTERGENIC		
SNP_54458B_498546	scaffold682	NW_004516094.1	498546	GG	AA	AA	INTERGENIC		
SNP_54460B_524563	scaffold682	NW_004516094.1	524563	AA	GG	GG	INTERGENIC		
SNP_54461B_524576	scaffold682	NW_004516094.1	524576	GG	AA	AA	INTERGENIC		
SNP_54462B_525737	scaffold682	NW_004516094.1	525737	AA	GG	GG	INTERGENIC		
SNP_54463B_525770	scaffold682	NW_004516094.1	525770	AA	CC	CC	INTERGENIC		
SNP_54464B_526564	scaffold682	NW_004516094.1	526564	AA	CC	CC	INTERGENIC		
SNP_54465B_526878	scaffold682	NW_004516094.1	526878	TT	CC	CC	INTERGENIC		
SNP_54467B_526903	scaffold682	NW_004516094.1	526903	TT	GG	GG	INTERGENIC		
SNP_54468B_526935	scaffold682	NW_004516094.1	526935	GG	AA	AA	INTERGENIC		
SNP_54469B_526976	scaffold682	NW_004516094.1	526976	AA	GG	GG	INTERGENIC		
SNP_54470B_527001	scaffold682	NW_004516094.1	527001	TT	AA	AA	INTERGENIC		
SNP_54471B_536174	scaffold682	NW_004516094.1	536174	TT	CC	CC	INTERGENIC		
SNP_54472B_539823	scaffold682	NW_004516094.1	539823	GG	AA	AA	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54473B_539849	scaffold682	NW_004516094.1	539849	TT	CC	CC	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54475B_539945	scaffold682	NW_004516094.1	539945	GG	TT	TT	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54476B_539961	scaffold682	NW_004516094.1	539961	AA	CC	CC	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54477B_540093	scaffold682	NW_004516094.1	540093	AA	GG	GG	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54478B_540126	scaffold682	NW_004516094.1	540126	GG	AA	AA	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54479B_540141	scaffold682	NW_004516094.1	540141	TT	CC	CC	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54480B_540168	scaffold682	NW_004516094.1	540168	CC	TT	TT	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54481B_540210	scaffold682	NW_004516094.1	540210	AA	CC	CC	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54482B_540221	scaffold682	NW_004516094.1	540221	AA	GG	GG	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54483B_540308	scaffold682	NW_004516094.1	540308	AA	GG	GG	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54484B_540319	scaffold682	NW_004516094.1	540319	GG	AA	AA	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54485B_540388	scaffold682	NW_004516094.1	540388	CC	AA	AA	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54487B_540476	scaffold682	NW_004516094.1	540476	TT	GG	GG	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54488B_540483	scaffold682	NW_004516094.1	540483	TT	AA	AA	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54489B_540491	scaffold682	NW_004516094.1	540491	GG	AA	AA	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54490B_540569	scaffold682	NW_004516094.1	540569	GG	CC	TT	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54491B_540587	scaffold682	NW_004516094.1	540587	TT	CC	CC	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54493B_540634	scaffold682	NW_004516094.1	540634	TT	AA	AA	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54495B_540815	scaffold682	NW_004516094.1	540815	TT	CC	CC	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54496B_540841	scaffold682	NW_004516094.1	540841	TT	GG	GG	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54498B_540851	scaffold682	NW_004516094.1	540851	AA	GG	GG	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54499B_540864	scaffold682	NW_004516094.1	540864	GG	AA	AA	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54500B_540897	scaffold682	NW_004516094.1	540897	GG	AA	AA	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54501B_540920	scaffold682	NW_004516094.1	540920	TT	GG	GG	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54503B_541079	scaffold682	NW_004516094.1	541079	AA	GG	GG	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54504B_541112	scaffold682	NW_004516094.1	541112	AA	TT	TT	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54505B_541114	scaffold682	NW_004516094.1	541114	TT	CC	CC	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54506B_541153	scaffold682	NW_004516094.1	541153	GG	AA	AA	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54507B_541187	scaffold682	NW_004516094.1	541187	TT	CC	CC	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54508B_541213	scaffold682	NW_004516094.1	541213	CC	TT	TT	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54509B_541270	scaffold682	NW_004516094.1	541270	TT	AA	AA	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54510B_541362	scaffold682	NW_004516094.1	541362	GG	CC	CC	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54511B_541439	scaffold682	NW_004516094.1	541439	AA	TT	TT	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54512B_541441	scaffold682	NW_004516094.1	541441	AA	CC	CC	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54513B_541473	scaffold682	NW_004516094.1	541473	GG	AA	AA	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54514B_541499	scaffold682	NW_004516094.1	541499	GG	AA	AA	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54515B_541505	scaffold682	NW_004516094.1	541505	TT	GG	GG	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54516B_541532	scaffold682	NW_004516094.1	541532	CC	TT	TT	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54517B_541556	scaffold682	NW_004516094.1	541556	AA	CC	CC	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54518B_541591	scaffold682	NW_004516094.1	541591	TT	AA	AA	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54519B_541624	scaffold682	NW_004516094.1	541624	GG	AA	AA	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54520B_541629	scaffold682	NW_004516094.1	541629	AA	CC	CC	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54521B_541678	scaffold682	NW_004516094.1	541678	AA	GG	GG	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54522B_541684	scaffold682	NW_004516094.1	541684	GG	CC	CC	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54523B_541696	scaffold682	NW_004516094.1	541696	GG	AA	AA	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54524B_541712	scaffold682	NW_004516094.1	541712	GG	CC	CC	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54525B_541840	scaffold682	NW_004516094.1	541840	GG	AA	AA	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54526B_541994	scaffold682	NW_004516094.1	541994	TT	AA	AA	INTRON	101507269	vacuolar protein sorting-associated protein 13A-like
SNP_54527B_565525	scaffold682	NW_004516094.1	565525	AA	GG	GG	INTERGENIC		
SNP_54528B_565542	scaffold682	NW_004516094.1	565542	AA	TT	TT	INTERGENIC		
SNP_54529B_580814	scaffold682	NW_004516094.1	580814	CC	TT	TT	INTERGENIC		
SNP_54530B_712	scaffold683	NW_004516095.1	712	GG	CC	CC	INTERGENIC		
SNP_54531B_815	scaffold683	NW_004516095.1	815	CC	GG	GG	INTERGENIC		
SNP_54532B_901	scaffold683	NW_004516095.1	901	AA	CC	CC	INTERGENIC		
SNP_54533B_903	scaffold683	NW_004516095.1	903	GG	AA	AA	INTERGENIC		
SNP_54534B_2870	scaffold683	NW_004516095.1	2870	GG	TT	TT	INTERGENIC		
SNP_54535B_15561	scaffold683	NW_004516095.1	15561	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54536B_15737	scaffold683	NW_004516095.1	15737	TT	CC	CC	INTERGENIC		
SNP_54537B_15758	scaffold683	NW_004516095.1	15758	CC	AA	AA	INTERGENIC		
SNP_54538B_15985	scaffold683	NW_004516095.1	15985	AA	TT	TT	INTERGENIC		
SNP_54539B_20479	scaffold683	NW_004516095.1	20479	GG	AA	AA	INTERGENIC		
SNP_54540B_20501	scaffold683	NW_004516095.1	20501	TT	CC	CC	INTERGENIC		
SNP_54541B_20505	scaffold683	NW_004516095.1	20505	TT	GG	GG	INTERGENIC		
SNP_54542B_20536	scaffold683	NW_004516095.1	20536	TT	GG	GG	INTERGENIC		
SNP_54543B_20543	scaffold683	NW_004516095.1	20543	CC	GG	GG	INTERGENIC		
SNP_54544B_20566	scaffold683	NW_004516095.1	20566	TT	CC	CC	INTERGENIC		
SNP_54545B_20585	scaffold683	NW_004516095.1	20585	GG	AA	AA	INTERGENIC		
SNP_54546B_20617	scaffold683	NW_004516095.1	20617	AA	CC	CC	INTERGENIC		
SNP_54547B_20651	scaffold683	NW_004516095.1	20651	GG	TT	TT	INTERGENIC		
SNP_54548B_20673	scaffold683	NW_004516095.1	20673	TT	AA	AA	INTERGENIC		
SNP_54550B_20705	scaffold683	NW_004516095.1	20705	CC	GG	GG	INTERGENIC		
SNP_54551B_20739	scaffold683	NW_004516095.1	20739	AA	TT	TT	INTERGENIC		
SNP_54552B_20781	scaffold683	NW_004516095.1	20781	AA	GG	GG	INTERGENIC		
SNP_54553B_20812	scaffold683	NW_004516095.1	20812	TT	GG	GG	INTERGENIC		
SNP_54554B_20817	scaffold683	NW_004516095.1	20817	TT	CC	CC	INTERGENIC		
SNP_54555B_20943	scaffold683	NW_004516095.1	20943	GG	TT	TT	INTERGENIC		
SNP_54556B_20958	scaffold683	NW_004516095.1	20958	CC	TT	TT	INTERGENIC		
SNP_54557B_21010	scaffold683	NW_004516095.1	21010	TT	CC	CC	INTERGENIC		
SNP_54558B_25188	scaffold683	NW_004516095.1	25188	GG	TT	TT	INTERGENIC		
SNP_54559B_25230	scaffold683	NW_004516095.1	25230	TT	GG	GG	INTERGENIC		
SNP_54560B_25350	scaffold683	NW_004516095.1	25350	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54561B_25467	scaffold683	NW_004516095.1	25467	CC	TT	TT	INTERGENIC		
SNP_54562B_25472	scaffold683	NW_004516095.1	25472	GG	AA	AA	INTERGENIC		
SNP_54563B_25512	scaffold683	NW_004516095.1	25512	TT	GG	GG	INTERGENIC		
SNP_54564B_25514	scaffold683	NW_004516095.1	25514	TT	CC	CC	INTERGENIC		
SNP_54565B_25523	scaffold683	NW_004516095.1	25523	TT	AA	AA	INTERGENIC		
SNP_54566B_25556	scaffold683	NW_004516095.1	25556	CC	TT	TT	INTERGENIC		
SNP_54567B_25882	scaffold683	NW_004516095.1	25882	AA	GG	GG	INTERGENIC		
SNP_54568B_26178	scaffold683	NW_004516095.1	26178	AA	TT	TT	INTERGENIC		
SNP_54569B_26194	scaffold683	NW_004516095.1	26194	TT	GG	GG	INTERGENIC		
SNP_54570B_26202	scaffold683	NW_004516095.1	26202	CC	TT	TT	INTERGENIC		
SNP_54571B_26203	scaffold683	NW_004516095.1	26203	AA	GG	GG	INTERGENIC		
SNP_54572B_26204	scaffold683	NW_004516095.1	26204	CC	AA	AA	INTERGENIC		
SNP_54573B_26247	scaffold683	NW_004516095.1	26247	TT	AA	AA	INTERGENIC		
SNP_54574B_4686	scaffold684	NW_004516096.1	4686	AA	GG	GG	INTERGENIC		
SNP_54575B_4704	scaffold684	NW_004516096.1	4704	AA	GG	GG	INTERGENIC		
SNP_54576B_5008	scaffold684	NW_004516096.1	5008	CC	AA	AA	INTERGENIC		
SNP_54578B_48352	scaffold684	NW_004516096.1	48352	CC	GG	GG	INTERGENIC		
SNP_54579B_48386	scaffold684	NW_004516096.1	48386	TT	GG	GG	INTERGENIC		
SNP_54580B_48419	scaffold684	NW_004516096.1	48419	TT	CC	CC	INTERGENIC		
SNP_54581B_62712	scaffold684	NW_004516096.1	62712	CC	AA	AA	INTERGENIC		
SNP_54582B_62727	scaffold684	NW_004516096.1	62727	TT	CC	CC	INTERGENIC		
SNP_54583B_72172	scaffold684	NW_004516096.1	72172	TT	CC	CC	INTERGENIC		
SNP_54584B_64	scaffold686	NW_004516098.1	64	CC	TT	TT	INTERGENIC		
SNP_54585B_81	scaffold686	NW_004516098.1	81	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54586B_352	scaffold686	NW_004516098.1	352	GG	AA	AA	INTERGENIC		
SNP_54587B_458	scaffold686	NW_004516098.1	458	GG	AA	AA	INTERGENIC		
SNP_54588B_618	scaffold686	NW_004516098.1	618	TT	AA	AA	INTERGENIC		
SNP_54589B_740	scaffold686	NW_004516098.1	740	TT	AA	AA	INTERGENIC		
SNP_54590B_769	scaffold686	NW_004516098.1	769	AA	CC	CC	INTERGENIC		
SNP_54591B_772	scaffold686	NW_004516098.1	772	AA	TT	TT	INTERGENIC		
SNP_54592B_783	scaffold686	NW_004516098.1	783	AA	GG	GG	INTERGENIC		
SNP_54593B_789	scaffold686	NW_004516098.1	789	CC	TT	TT	INTERGENIC		
SNP_54594B_25746	scaffold686	NW_004516098.1	25746	CC	GG	GG	INTERGENIC		
SNP_54595B_59994	scaffold686	NW_004516098.1	59994	TT	CC	CC	INTERGENIC		
SNP_54596B_60020	scaffold686	NW_004516098.1	60020	TT	CC	CC	INTERGENIC		
SNP_54597B_60025	scaffold686	NW_004516098.1	60025	CC	TT	TT	INTERGENIC		
SNP_54598B_60345	scaffold686	NW_004516098.1	60345	AA	TT	TT	INTERGENIC		
SNP_54599B_85517	scaffold686	NW_004516098.1	85517	TT	CC	CC	INTERGENIC		
SNP_54600B_85596	scaffold686	NW_004516098.1	85596	AA	CC	CC	INTERGENIC		
SNP_54601B_90611	scaffold686	NW_004516098.1	90611	TT	CC	CC	INTERGENIC		
SNP_54602B_90755	scaffold686	NW_004516098.1	90755	AA	GG	GG	INTERGENIC		
SNP_54603B_90971	scaffold686	NW_004516098.1	90971	GG	AA	AA	INTERGENIC		
SNP_54604B_104083	scaffold686	NW_004516098.1	104083	GG	TT	TT	INTERGENIC		
SNP_54605B_108353	scaffold686	NW_004516098.1	108353	CC	TT	TT	INTERGENIC		
SNP_54606B_108924	scaffold686	NW_004516098.1	108924	AA	TT	TT	INTERGENIC		
SNP_54608B_109194	scaffold686	NW_004516098.1	109194	TT	GG	GG	INTERGENIC		
SNP_54609B_111861	scaffold686	NW_004516098.1	111861	TT	CC	CC	INTERGENIC		
SNP_54610B_111876	scaffold686	NW_004516098.1	111876	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54611B_111936	scaffold686	NW_004516098.1	111936	GG	AA	AA	INTERGENIC		
SNP_54612B_112348	scaffold686	NW_004516098.1	112348	TT	CC	CC	INTERGENIC		
SNP_54613B_112393	scaffold686	NW_004516098.1	112393	GG	AA	AA	INTERGENIC		
SNP_54614B_112398	scaffold686	NW_004516098.1	112398	AA	GG	GG	INTERGENIC		
SNP_54615B_112411	scaffold686	NW_004516098.1	112411	TT	CC	CC	INTERGENIC		
SNP_54616B_112413	scaffold686	NW_004516098.1	112413	GG	AA	AA	INTERGENIC		
SNP_54617B_177848	scaffold686	NW_004516098.1	177848	CC	TT	TT	INTERGENIC		
SNP_54618B_177896	scaffold686	NW_004516098.1	177896	AA	GG	GG	INTERGENIC		
SNP_54620B_180855	scaffold686	NW_004516098.1	180855	AA	TT	TT	INTERGENIC		
SNP_54621B_181407	scaffold686	NW_004516098.1	181407	AA	GG	GG	INTERGENIC		
SNP_54622B_182141	scaffold686	NW_004516098.1	182141	CC	TT	TT	INTERGENIC		
SNP_54623B_182167	scaffold686	NW_004516098.1	182167	TT	AA	AA	INTERGENIC		
SNP_54625B_183542	scaffold686	NW_004516098.1	183542	TT	CC	CC	INTERGENIC		
SNP_54626B_183720	scaffold686	NW_004516098.1	183720	GG	TT	TT	INTERGENIC		
SNP_54628B_184111	scaffold686	NW_004516098.1	184111	TT	AA	AA	INTERGENIC		
SNP_54629B_186124	scaffold686	NW_004516098.1	186124	GG	CC	CC	INTERGENIC		
SNP_54630B_186280	scaffold686	NW_004516098.1	186280	TT	GG	GG	INTERGENIC		
SNP_54631B_186427	scaffold686	NW_004516098.1	186427	CC	TT	TT	INTERGENIC		
SNP_54632B_186482	scaffold686	NW_004516098.1	186482	GG	TT	TT	INTERGENIC		
SNP_54633B_204721	scaffold686	NW_004516098.1	204721	AA	CC	CC	INTERGENIC		
SNP_54634B_215918	scaffold686	NW_004516098.1	215918	GG	AA	AA	INTERGENIC		
SNP_54635B_215924	scaffold686	NW_004516098.1	215924	AA	GG	GG	INTERGENIC		
SNP_54636B_216040	scaffold686	NW_004516098.1	216040	CC	TT	TT	INTERGENIC		
SNP_54637B_216054	scaffold686	NW_004516098.1	216054	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54638B_216094	scaffold686	NW_004516098.1	216094	CC	TT	TT	INTERGENIC		
SNP_54639B_216099	scaffold686	NW_004516098.1	216099	TT	CC	CC	INTERGENIC		
SNP_54640B_216105	scaffold686	NW_004516098.1	216105	TT	CC	CC	INTERGENIC		
SNP_54641B_216106	scaffold686	NW_004516098.1	216106	GG	AA	AA	INTERGENIC		
SNP_54642B_216111	scaffold686	NW_004516098.1	216111	GG	CC	CC	INTERGENIC		
SNP_54643B_216121	scaffold686	NW_004516098.1	216121	AA	GG	GG	INTERGENIC		
SNP_54644B_216139	scaffold686	NW_004516098.1	216139	GG	AA	AA	INTERGENIC		
SNP_54645B_216177	scaffold686	NW_004516098.1	216177	AA	GG	GG	INTERGENIC		
SNP_54646B_216180	scaffold686	NW_004516098.1	216180	AA	TT	TT	INTERGENIC		
SNP_54647B_216202	scaffold686	NW_004516098.1	216202	TT	AA	AA	INTERGENIC		
SNP_54648B_216231	scaffold686	NW_004516098.1	216231	AA	GG	GG	INTERGENIC		
SNP_54649B_216241	scaffold686	NW_004516098.1	216241	AA	GG	GG	INTERGENIC		
SNP_54650B_216244	scaffold686	NW_004516098.1	216244	CC	TT	TT	INTERGENIC		
SNP_54651B_216247	scaffold686	NW_004516098.1	216247	AA	CC	CC	INTERGENIC		
SNP_54652B_216271	scaffold686	NW_004516098.1	216271	CC	TT	TT	INTERGENIC		
SNP_54653B_216273	scaffold686	NW_004516098.1	216273	TT	CC	CC	INTERGENIC		
SNP_54654B_216275	scaffold686	NW_004516098.1	216275	CC	AA	AA	INTERGENIC		
SNP_54655B_223425	scaffold686	NW_004516098.1	223425	CC	TT	TT	INTERGENIC		
SNP_54656B_223753	scaffold686	NW_004516098.1	223753	AA	GG	GG	INTERGENIC		
SNP_54657B_229622	scaffold686	NW_004516098.1	229622	CC	TT	TT	INTERGENIC		
SNP_54658B_229628	scaffold686	NW_004516098.1	229628	AA	GG	GG	INTERGENIC		
SNP_54659B_229652	scaffold686	NW_004516098.1	229652	TT	CC	CC	INTERGENIC		
SNP_54660B_1548	scaffold688	NW_004516099.1	1548	CC	AA	AA	INTERGENIC		
SNP_54661B_1549	scaffold688	NW_004516099.1	1549	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54662B_1961	scaffold688	NW_004516099.1	1961	AA	CC	CC	INTERGENIC		
SNP_54664B_2434	scaffold688	NW_004516099.1	2434	GG	TT	TT	INTERGENIC		
SNP_54665B_2605	scaffold688	NW_004516099.1	2605	CC	GG	GG	INTERGENIC		
SNP_54666B_2646	scaffold688	NW_004516099.1	2646	AA	TT	TT	INTERGENIC		
SNP_54667B_2678	scaffold688	NW_004516099.1	2678	AA	TT	TT	INTERGENIC		
SNP_54668B_2732	scaffold688	NW_004516099.1	2732	AA	GG	GG	INTERGENIC		
SNP_54669B_2967	scaffold688	NW_004516099.1	2967	GG	AA	AA	INTERGENIC		
SNP_54670B_3001	scaffold688	NW_004516099.1	3001	TT	AA	AA	INTERGENIC		
SNP_54671B_3058	scaffold688	NW_004516099.1	3058	CC	GG	GG	INTERGENIC		
SNP_54672B_3071	scaffold688	NW_004516099.1	3071	TT	AA	AA	INTERGENIC		
SNP_54673B_17261	scaffold692	NW_004516102.1	17261	TT	GG	GG	INTERGENIC		
SNP_54674B_50539	scaffold692	NW_004516102.1	50539	CC	TT	TT	INTERGENIC		
SNP_54675B_50639	scaffold692	NW_004516102.1	50639	AA	TT	TT	INTERGENIC		
SNP_54676B_50669	scaffold692	NW_004516102.1	50669	TT	CC	CC	INTERGENIC		
SNP_54677B_50839	scaffold692	NW_004516102.1	50839	AA	TT	TT	INTERGENIC		
SNP_54678B_68902	scaffold692	NW_004516102.1	68902	GG	AA	AA	INTERGENIC		
SNP_54679B_52	scaffold694	NW_004516104.1	52	CC	TT	TT	INTERGENIC		
SNP_54680B_97	scaffold694	NW_004516104.1	97	GG	TT	TT	INTERGENIC		
SNP_54681B_305	scaffold694	NW_004516104.1	305	AA	TT	TT	INTERGENIC		
SNP_54682B_307	scaffold694	NW_004516104.1	307	TT	CC	CC	INTERGENIC		
SNP_54683B_312	scaffold694	NW_004516104.1	312	CC	TT	TT	INTERGENIC		
SNP_54684B_338	scaffold694	NW_004516104.1	338	GG	AA	AA	INTERGENIC		
SNP_54685B_401	scaffold694	NW_004516104.1	401	GG	AA	AA	INTERGENIC		
SNP_54686B_405	scaffold694	NW_004516104.1	405	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54687B_415	scaffold694	NW_004516104.1	415	AA	GG	GG	INTERGENIC		
SNP_54688B_420	scaffold694	NW_004516104.1	420	TT	CC	CC	INTERGENIC		
SNP_54689B_438	scaffold694	NW_004516104.1	438	GG	CC	CC	INTERGENIC		
SNP_54690B_454	scaffold694	NW_004516104.1	454	TT	CC	CC	INTERGENIC		
SNP_54691B_1706	scaffold694	NW_004516104.1	1706	CC	TT	TT	INTERGENIC		
SNP_54692B_2038	scaffold694	NW_004516104.1	2038	TT	CC	CC	INTERGENIC		
SNP_54693B_2086	scaffold694	NW_004516104.1	2086	CC	TT	TT	INTERGENIC		
SNP_54694B_4637	scaffold694	NW_004516104.1	4637	GG	AA	AA	INTERGENIC		
SNP_54695B_4674	scaffold694	NW_004516104.1	4674	TT	CC	CC	INTERGENIC		
SNP_54696B_4682	scaffold694	NW_004516104.1	4682	TT	AA	AA	INTERGENIC		
SNP_54697B_4749	scaffold694	NW_004516104.1	4749	GG	TT	TT	INTERGENIC		
SNP_54698B_4865	scaffold694	NW_004516104.1	4865	AA	GG	GG	INTERGENIC		
SNP_54699B_6841	scaffold694	NW_004516104.1	6841	CC	TT	TT	INTERGENIC		
SNP_54700B_7102	scaffold694	NW_004516104.1	7102	AA	CC	CC	INTERGENIC		
SNP_54701B_7233	scaffold694	NW_004516104.1	7233	TT	CC	CC	INTERGENIC		
SNP_54702B_7392	scaffold694	NW_004516104.1	7392	AA	TT	TT	INTERGENIC		
SNP_54703B_7397	scaffold694	NW_004516104.1	7397	GG	AA	AA	INTERGENIC		
SNP_54704B_7415	scaffold694	NW_004516104.1	7415	CC	TT	TT	INTERGENIC		
SNP_54705B_7451	scaffold694	NW_004516104.1	7451	GG	AA	AA	INTERGENIC		
SNP_54706B_7470	scaffold694	NW_004516104.1	7470	TT	CC	CC	INTERGENIC		
SNP_54707B_7550	scaffold694	NW_004516104.1	7550	AA	CC	CC	INTERGENIC		
SNP_54708B_7582	scaffold694	NW_004516104.1	7582	AA	GG	GG	INTERGENIC		
SNP_54709B_7660	scaffold694	NW_004516104.1	7660	TT	CC	CC	INTERGENIC		
SNP_54710B_7684	scaffold694	NW_004516104.1	7684	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54711B_7698	scaffold694	NW_004516104.1	7698	TT	CC	CC	INTERGENIC		
SNP_54712B_7714	scaffold694	NW_004516104.1	7714	CC	TT	TT	INTERGENIC		
SNP_54713B_7727	scaffold694	NW_004516104.1	7727	CC	TT	TT	INTERGENIC		
SNP_54714B_7761	scaffold694	NW_004516104.1	7761	GG	CC	CC	INTERGENIC		
SNP_54715B_7846	scaffold694	NW_004516104.1	7846	GG	AA	AA	INTERGENIC		
SNP_54716B_7869	scaffold694	NW_004516104.1	7869	CC	AA	AA	INTERGENIC		
SNP_54717B_8074	scaffold694	NW_004516104.1	8074	GG	AA	AA	INTERGENIC		
SNP_54718B_8588	scaffold694	NW_004516104.1	8588	AA	TT	TT	INTERGENIC		
SNP_54719B_8607	scaffold694	NW_004516104.1	8607	TT	CC	CC	INTERGENIC		
SNP_54720B_8628	scaffold694	NW_004516104.1	8628	GG	AA	AA	INTERGENIC		
SNP_54721B_8685	scaffold694	NW_004516104.1	8685	GG	TT	TT	INTERGENIC		
SNP_54722B_8872	scaffold694	NW_004516104.1	8872	AA	GG	GG	INTERGENIC		
SNP_54723B_9002	scaffold694	NW_004516104.1	9002	GG	AA	AA	INTERGENIC		
SNP_54724B_9010	scaffold694	NW_004516104.1	9010	TT	CC	CC	INTERGENIC		
SNP_54725B_9038	scaffold694	NW_004516104.1	9038	GG	AA	AA	INTERGENIC		
SNP_54726B_9054	scaffold694	NW_004516104.1	9054	AA	TT	TT	INTERGENIC		
SNP_54727B_9120	scaffold694	NW_004516104.1	9120	AA	GG	GG	INTERGENIC		
SNP_54728B_9123	scaffold694	NW_004516104.1	9123	GG	TT	TT	INTERGENIC		
SNP_54729B_9136	scaffold694	NW_004516104.1	9136	AA	GG	GG	INTERGENIC		
SNP_54730B_9196	scaffold694	NW_004516104.1	9196	CC	TT	TT	INTERGENIC		
SNP_54731B_9269	scaffold694	NW_004516104.1	9269	GG	TT	TT	INTERGENIC		
SNP_54732B_9596	scaffold694	NW_004516104.1	9596	TT	AA	AA	INTERGENIC		
SNP_54733B_9645	scaffold694	NW_004516104.1	9645	TT	CC	CC	INTERGENIC		
SNP_54734B_64	scaffold695	NW_004516105.1	64	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54735B_65	scaffold695	NW_004516105.1	65	TT	CC	CC	INTERGENIC		
SNP_54736B_80	scaffold695	NW_004516105.1	80	GG	AA	AA	INTERGENIC		
SNP_54737B_84	scaffold695	NW_004516105.1	84	GG	CC	CC	INTERGENIC		
SNP_54738B_98	scaffold695	NW_004516105.1	98	GG	AA	AA	INTERGENIC		
SNP_54739B_372	scaffold695	NW_004516105.1	372	GG	CC	CC	INTERGENIC		
SNP_54740B_423	scaffold695	NW_004516105.1	423	TT	GG	GG	INTERGENIC		
SNP_54741B_853	scaffold695	NW_004516105.1	853	AA	CC	CC	INTERGENIC		
SNP_54742B_854	scaffold695	NW_004516105.1	854	TT	GG	GG	INTERGENIC		
SNP_54743B_1201	scaffold695	NW_004516105.1	1201	TT	CC	CC	INTERGENIC		
SNP_54744B_1218	scaffold695	NW_004516105.1	1218	GG	AA	AA	INTERGENIC		
SNP_54745B_4597	scaffold696	NW_004516106.1	4597	AA	GG	GG	INTERGENIC		
SNP_54746B_12510	scaffold696	NW_004516106.1	12510	AA	CC	CC	INTERGENIC		
SNP_54747B_12516	scaffold696	NW_004516106.1	12516	CC	TT	TT	INTERGENIC		
SNP_54748B_12705	scaffold696	NW_004516106.1	12705	CC	TT	TT	INTERGENIC		
SNP_54749B_12802	scaffold696	NW_004516106.1	12802	GG	AA	AA	INTERGENIC		
SNP_54750B_12836	scaffold696	NW_004516106.1	12836	TT	AA	AA	INTERGENIC		
SNP_54751B_12845	scaffold696	NW_004516106.1	12845	AA	GG	GG	INTERGENIC		
SNP_54752B_12875	scaffold696	NW_004516106.1	12875	TT	CC	CC	INTERGENIC		
SNP_54753B_12888	scaffold696	NW_004516106.1	12888	TT	CC	CC	INTERGENIC		
SNP_54754B_12919	scaffold696	NW_004516106.1	12919	TT	CC	CC	INTERGENIC		
SNP_54755B_13080	scaffold696	NW_004516106.1	13080	CC	AA	AA	INTERGENIC		
SNP_54756B_13395	scaffold696	NW_004516106.1	13395	GG	TT	TT	INTERGENIC		
SNP_54757B_13557	scaffold696	NW_004516106.1	13557	TT	CC	CC	INTERGENIC		
SNP_54758B_13995	scaffold696	NW_004516106.1	13995	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54760B_27898	scaffold696	NW_004516106.1	27898	GG	TT	TT	INTERGENIC		
SNP_54761B_27900	scaffold696	NW_004516106.1	27900	AA	GG	GG	INTERGENIC		
SNP_54762B_27901	scaffold696	NW_004516106.1	27901	GG	TT	TT	INTERGENIC		
SNP_54763B_28092	scaffold696	NW_004516106.1	28092	AA	TT	TT	INTERGENIC		
SNP_54764B_29020	scaffold696	NW_004516106.1	29020	TT	CC	CC	INTERGENIC		
SNP_54765B_29128	scaffold696	NW_004516106.1	29128	GG	AA	AA	INTERGENIC		
SNP_54766B_29172	scaffold696	NW_004516106.1	29172	AA	GG	GG	INTERGENIC		
SNP_54767B_29179	scaffold696	NW_004516106.1	29179	GG	AA	AA	INTERGENIC		
SNP_54768B_29180	scaffold696	NW_004516106.1	29180	GG	AA	AA	INTERGENIC		
SNP_54769B_29186	scaffold696	NW_004516106.1	29186	GG	AA	AA	INTERGENIC		
SNP_54770B_32960	scaffold696	NW_004516106.1	32960	TT	CC	CC	INTERGENIC		
SNP_54771B_33009	scaffold696	NW_004516106.1	33009	TT	GG	GG	INTERGENIC		
SNP_54772B_33055	scaffold696	NW_004516106.1	33055	AA	GG	GG	INTERGENIC		
SNP_54773B_33096	scaffold696	NW_004516106.1	33096	AA	GG	GG	INTERGENIC		
SNP_54774B_33321	scaffold696	NW_004516106.1	33321	AA	GG	GG	INTERGENIC		
SNP_54775B_33463	scaffold696	NW_004516106.1	33463	GG	AA	AA	INTERGENIC		
SNP_54776B_39454	scaffold696	NW_004516106.1	39454	CC	TT	TT	INTERGENIC		
SNP_54777B_39892	scaffold696	NW_004516106.1	39892	GG	CC	CC	INTERGENIC		
SNP_54778B_43223	scaffold696	NW_004516106.1	43223	GG	AA	AA	INTERGENIC		
SNP_54779B_43243	scaffold696	NW_004516106.1	43243	AA	TT	TT	INTERGENIC		
SNP_54780B_43310	scaffold696	NW_004516106.1	43310	TT	CC	CC	INTERGENIC		
SNP_54781B_43325	scaffold696	NW_004516106.1	43325	CC	TT	TT	INTERGENIC		
SNP_54782B_43355	scaffold696	NW_004516106.1	43355	CC	TT	TT	INTERGENIC		
SNP_54783B_43439	scaffold696	NW_004516106.1	43439	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54784B_43491	scaffold696	NW_004516106.1	43491	AA	GG	GG	INTERGENIC		
SNP_54785B_52159	scaffold696	NW_004516106.1	52159	AA	CC	CC	INTRON	101513674	probable terpene synthase 2
SNP_54786B_52293	scaffold696	NW_004516106.1	52293	AA	TT	TT	INTRON	101513674	probable terpene synthase 2
SNP_54787B_53408	scaffold696	NW_004516106.1	53408	GG	AA	AA	INTRON	101513674	probable terpene synthase 2
SNP_54788B_53971	scaffold696	NW_004516106.1	53971	CC	TT	TT	SYNONYMOUS_CODING	101513674	probable terpene synthase 2
SNP_54789B_103640	scaffold696	NW_004516106.1	103640	AA	CC	CC	INTERGENIC		
SNP_54790B_153887	scaffold696	NW_004516106.1	153887	TT	AA	CC	INTERGENIC		
SNP_54792B_1173	scaffold702	NW_004516108.1	1173	AA	GG	GG	INTERGENIC		
SNP_54793B_1259	scaffold702	NW_004516108.1	1259	TT	CC	CC	INTERGENIC		
SNP_54794B_1530	scaffold702	NW_004516108.1	1530	AA	GG	GG	INTERGENIC		
SNP_54797B_57845	scaffold702	NW_004516108.1	57845	CC	AA	AA	INTERGENIC		
SNP_54798B_58359	scaffold702	NW_004516108.1	58359	CC	AA	AA	INTERGENIC		
SNP_54799B_58992	scaffold702	NW_004516108.1	58992	AA	GG	GG	INTERGENIC		
SNP_54800B_72338	scaffold702	NW_004516108.1	72338	CC	TT	TT	INTERGENIC		
SNP_54801B_77284	scaffold702	NW_004516108.1	77284	AA	TT	TT	INTERGENIC		
SNP_54803B_99706	scaffold702	NW_004516108.1	99706	TT	CC	CC	INTERGENIC		
SNP_54804B_99740	scaffold702	NW_004516108.1	99740	TT	CC	CC	INTERGENIC		
SNP_54805B_99778	scaffold702	NW_004516108.1	99778	AA	GG	GG	INTERGENIC		
SNP_54806B_105990	scaffold702	NW_004516108.1	105990	AA	GG	GG	INTERGENIC		
SNP_54807B_105993	scaffold702	NW_004516108.1	105993	TT	GG	GG	INTERGENIC		
SNP_54808B_106338	scaffold702	NW_004516108.1	106338	TT	GG	GG	INTERGENIC		
SNP_54809B_118899	scaffold702	NW_004516108.1	118899	GG	CC	CC	URR	101488957	uncharacterized LOC101488957
SNP_54810B_124841	scaffold702	NW_004516108.1	124841	TT	CC	CC	INTERGENIC		
SNP_54811B_138421	scaffold702	NW_004516108.1	138421	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54812B_141029	scaffold702	NW_004516108.1	141029	GG	AA	AA	INTERGENIC		
SNP_54813B_153292	scaffold702	NW_004516108.1	153292	CC	GG	GG	INTERGENIC		
SNP_54814B_175159	scaffold702	NW_004516108.1	175159	AA	TT	TT	INTRON	101489283	Unknown function
SNP_54815B_184817	scaffold702	NW_004516108.1	184817	GG	TT	TT	INTERGENIC		
SNP_54816B_207635	scaffold702	NW_004516108.1	207635	AA	GG	GG	INTERGENIC		
SNP_54817B_207644	scaffold702	NW_004516108.1	207644	AA	GG	GG	INTERGENIC		
SNP_54818B_207672	scaffold702	NW_004516108.1	207672	AA	GG	GG	INTERGENIC		
SNP_54819B_207853	scaffold702	NW_004516108.1	207853	AA	TT	TT	INTERGENIC		
SNP_54820B_208661	scaffold702	NW_004516108.1	208661	AA	GG	GG	INTERGENIC		
SNP_54823B_248052	scaffold702	NW_004516108.1	248052	CC	TT	TT	URR	101515530	magnesium transporter MRS2-2-like
SNP_54824B_248954	scaffold702	NW_004516108.1	248954	GG	AA	AA	URR	101515530	magnesium transporter MRS2-2-like
SNP_54825B_250431	scaffold702	NW_004516108.1	250431	GG	AA	AA	INTERGENIC		
SNP_54826B_252522	scaffold702	NW_004516108.1	252522	CC	TT	TT	INTERGENIC		
SNP_54827B_254209	scaffold702	NW_004516108.1	254209	AA	GG	GG	INTERGENIC		
SNP_54828B_254221	scaffold702	NW_004516108.1	254221	AA	GG	GG	INTERGENIC		
SNP_54830B_255305	scaffold702	NW_004516108.1	255305	CC	TT	TT	INTERGENIC		
SNP_54831B_255920	scaffold702	NW_004516108.1	255920	GG	AA	AA	INTERGENIC		
SNP_54832B_260909	scaffold702	NW_004516108.1	260909	TT	GG	GG	INTERGENIC		
SNP_54833B_262381	scaffold702	NW_004516108.1	262381	TT	AA	AA	INTERGENIC		
SNP_54834B_262430	scaffold702	NW_004516108.1	262430	CC	TT	TT	INTERGENIC		
SNP_54835B_262432	scaffold702	NW_004516108.1	262432	TT	AA	AA	INTERGENIC		
SNP_54836B_262463	scaffold702	NW_004516108.1	262463	TT	GG	GG	INTERGENIC		
SNP_54837B_262487	scaffold702	NW_004516108.1	262487	CC	TT	TT	INTERGENIC		
SNP_54838B_262563	scaffold702	NW_004516108.1	262563	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54839B_262749	scaffold702	NW_004516108.1	262749	AA	GG	GG	INTERGENIC		
SNP_54840B_262771	scaffold702	NW_004516108.1	262771	CC	TT	TT	INTERGENIC		
SNP_54841B_262775	scaffold702	NW_004516108.1	262775	AA	GG	GG	INTERGENIC		
SNP_54842B_262837	scaffold702	NW_004516108.1	262837	TT	CC	CC	INTERGENIC		
SNP_54843B_262995	scaffold702	NW_004516108.1	262995	TT	CC	CC	INTERGENIC		
SNP_54844B_263000	scaffold702	NW_004516108.1	263000	CC	TT	TT	INTERGENIC		
SNP_54845B_263028	scaffold702	NW_004516108.1	263028	TT	AA	AA	INTERGENIC		
SNP_54846B_263031	scaffold702	NW_004516108.1	263031	CC	TT	TT	INTERGENIC		
SNP_54847B_263052	scaffold702	NW_004516108.1	263052	AA	TT	TT	INTERGENIC		
SNP_54848B_263063	scaffold702	NW_004516108.1	263063	TT	CC	CC	INTERGENIC		
SNP_54849B_263087	scaffold702	NW_004516108.1	263087	AA	CC	CC	INTERGENIC		
SNP_54851B_263745	scaffold702	NW_004516108.1	263745	AA	GG	GG	INTERGENIC		
SNP_54852B_263807	scaffold702	NW_004516108.1	263807	AA	CC	CC	INTERGENIC		
SNP_54853B_263821	scaffold702	NW_004516108.1	263821	TT	CC	CC	INTERGENIC		
SNP_54854B_273213	scaffold702	NW_004516108.1	273213	AA	TT	TT	INTERGENIC		
SNP_54855B_273657	scaffold702	NW_004516108.1	273657	CC	GG	GG	INTERGENIC		
SNP_54856B_283940	scaffold702	NW_004516108.1	283940	AA	GG	GG	INTERGENIC		
SNP_54857B_284382	scaffold702	NW_004516108.1	284382	CC	GG	GG	INTERGENIC		
SNP_54859B_291529	scaffold702	NW_004516108.1	291529	AA	GG	GG	INTERGENIC		
SNP_54860B_5520	scaffold705	NW_004516109.1	5520	CC	TT	TT	INTERGENIC		
SNP_54861B_5641	scaffold705	NW_004516109.1	5641	CC	TT	TT	INTERGENIC		
SNP_54862B_5660	scaffold705	NW_004516109.1	5660	AA	TT	TT	INTERGENIC		
SNP_54863B_6413	scaffold705	NW_004516109.1	6413	AA	TT	TT	INTERGENIC		
SNP_54864B_6417	scaffold705	NW_004516109.1	6417	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54865B_12893	scaffold705	NW_004516109.1	12893	TT	AA	AA	INTERGENIC		
SNP_54866B_12900	scaffold705	NW_004516109.1	12900	AA	GG	GG	INTERGENIC		
SNP_54867B_13875	scaffold705	NW_004516109.1	13875	GG	AA	AA	INTERGENIC		
SNP_54868B_13907	scaffold705	NW_004516109.1	13907	AA	GG	GG	INTERGENIC		
SNP_54869B_16476	scaffold705	NW_004516109.1	16476	CC	GG	GG	INTERGENIC		
SNP_54870B_16516	scaffold705	NW_004516109.1	16516	CC	GG	GG	INTERGENIC		
SNP_54871B_16586	scaffold705	NW_004516109.1	16586	GG	TT	TT	INTERGENIC		
SNP_54872B_16625	scaffold705	NW_004516109.1	16625	CC	TT	TT	INTERGENIC		
SNP_54873B_16627	scaffold705	NW_004516109.1	16627	CC	TT	TT	INTERGENIC		
SNP_54874B_16655	scaffold705	NW_004516109.1	16655	GG	AA	AA	INTERGENIC		
SNP_54875B_16745	scaffold705	NW_004516109.1	16745	CC	AA	AA	INTERGENIC		
SNP_54876B_16761	scaffold705	NW_004516109.1	16761	GG	AA	AA	INTERGENIC		
SNP_54877B_16775	scaffold705	NW_004516109.1	16775	GG	TT	TT	INTERGENIC		
SNP_54878B_17218	scaffold705	NW_004516109.1	17218	GG	AA	AA	INTERGENIC		
SNP_54879B_25257	scaffold705	NW_004516109.1	25257	AA	TT	TT	INTERGENIC		
SNP_54880B_25263	scaffold705	NW_004516109.1	25263	CC	GG	GG	INTERGENIC		
SNP_54881B_25270	scaffold705	NW_004516109.1	25270	CC	GG	GG	INTERGENIC		
SNP_54882B_25377	scaffold705	NW_004516109.1	25377	CC	TT	TT	INTERGENIC		
SNP_54883B_26925	scaffold705	NW_004516109.1	26925	AA	GG	GG	INTERGENIC		
SNP_54884B_29900	scaffold705	NW_004516109.1	29900	TT	AA	AA	INTERGENIC		
SNP_54886B_33725	scaffold705	NW_004516109.1	33725	AA	CC	CC	INTERGENIC		
SNP_54887B_33886	scaffold705	NW_004516109.1	33886	TT	CC	CC	INTERGENIC		
SNP_54888B_34371	scaffold705	NW_004516109.1	34371	AA	TT	TT	INTERGENIC		
SNP_54889B_34448	scaffold705	NW_004516109.1	34448	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54890B_34712	scaffold705	NW_004516109.1	34712	TT	AA	AA	INTERGENIC		
SNP_54892B_34802	scaffold705	NW_004516109.1	34802	AA	CC	CC	INTERGENIC		
SNP_54893B_34836	scaffold705	NW_004516109.1	34836	GG	AA	AA	INTERGENIC		
SNP_54894B_34884	scaffold705	NW_004516109.1	34884	GG	AA	AA	INTERGENIC		
SNP_54895B_34964	scaffold705	NW_004516109.1	34964	CC	TT	TT	INTERGENIC		
SNP_54896B_34996	scaffold705	NW_004516109.1	34996	AA	CC	CC	INTERGENIC		
SNP_54897B_35099	scaffold705	NW_004516109.1	35099	TT	AA	AA	INTERGENIC		
SNP_54898B_35431	scaffold705	NW_004516109.1	35431	GG	AA	AA	INTERGENIC		
SNP_54900B_45474	scaffold705	NW_004516109.1	45474	CC	AA	AA	INTERGENIC		
SNP_54901B_45656	scaffold705	NW_004516109.1	45656	AA	TT	TT	INTERGENIC		
SNP_54902B_45746	scaffold705	NW_004516109.1	45746	GG	AA	AA	INTERGENIC		
SNP_54903B_48313	scaffold705	NW_004516109.1	48313	TT	GG	GG	INTERGENIC		
SNP_54904B_56034	scaffold705	NW_004516109.1	56034	AA	GG	GG	INTERGENIC		
SNP_54905B_56154	scaffold705	NW_004516109.1	56154	CC	TT	TT	INTERGENIC		
SNP_54906B_56155	scaffold705	NW_004516109.1	56155	TT	AA	AA	INTERGENIC		
SNP_54907B_64956	scaffold705	NW_004516109.1	64956	CC	TT	TT	INTERGENIC		
SNP_54908B_64958	scaffold705	NW_004516109.1	64958	CC	AA	AA	INTERGENIC		
SNP_54909B_65152	scaffold705	NW_004516109.1	65152	GG	AA	AA	INTERGENIC		
SNP_54910B_410	scaffold707	NW_004516110.1	410	CC	GG	GG	INTERGENIC		
SNP_54911B_1502	scaffold707	NW_004516110.1	1502	AA	GG	GG	INTERGENIC		
SNP_54912B_5120	scaffold707	NW_004516110.1	5120	GG	AA	AA	INTERGENIC		
SNP_54913B_5393	scaffold707	NW_004516110.1	5393	TT	CC	CC	INTERGENIC		
SNP_54914B_5500	scaffold707	NW_004516110.1	5500	CC	TT	TT	INTERGENIC		
SNP_54915B_18092	scaffold707	NW_004516110.1	18092	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54916B_18203	scaffold707	NW_004516110.1	18203	CC	TT	TT	INTERGENIC		
SNP_54917B_18223	scaffold707	NW_004516110.1	18223	TT	CC	CC	INTERGENIC		
SNP_54918B_18245	scaffold707	NW_004516110.1	18245	AA	TT	TT	INTERGENIC		
SNP_54919B_55126	scaffold707	NW_004516110.1	55126	TT	CC	CC	INTERGENIC		
SNP_54920B_55519	scaffold707	NW_004516110.1	55519	CC	TT	TT	INTERGENIC		
SNP_54921B_55550	scaffold707	NW_004516110.1	55550	AA	CC	TT	INTERGENIC		
SNP_54922B_59670	scaffold707	NW_004516110.1	59670	TT	CC	CC	INTERGENIC		
SNP_54923B_81547	scaffold707	NW_004516110.1	81547	GG	TT	TT	INTERGENIC		
SNP_54924B_81847	scaffold707	NW_004516110.1	81847	GG	AA	AA	INTERGENIC		
SNP_54925B_104027	scaffold707	NW_004516110.1	104027	GG	AA	AA	INTERGENIC		
SNP_54926B_119940	scaffold707	NW_004516110.1	119940	AA	TT	TT	INTERGENIC		
SNP_54927B_121560	scaffold707	NW_004516110.1	121560	AA	GG	GG	INTERGENIC		
SNP_54928B_121707	scaffold707	NW_004516110.1	121707	CC	TT	TT	INTERGENIC		
SNP_54929B_121931	scaffold707	NW_004516110.1	121931	AA	CC	CC	INTERGENIC		
SNP_54930B_135894	scaffold707	NW_004516110.1	135894	TT	CC	CC	INTERGENIC		
SNP_54931B_135954	scaffold707	NW_004516110.1	135954	AA	CC	CC	INTERGENIC		
SNP_54932B_136719	scaffold707	NW_004516110.1	136719	CC	TT	TT	INTERGENIC		
SNP_54933B_153781	scaffold707	NW_004516110.1	153781	TT	AA	AA	INTERGENIC		
SNP_54934B_10927	scaffold708	NW_004516111.1	10927	TT	CC	CC	INTERGENIC		
SNP_54935B_10987	scaffold708	NW_004516111.1	10987	TT	CC	CC	INTERGENIC		
SNP_54936B_10998	scaffold708	NW_004516111.1	10998	CC	AA	AA	INTERGENIC		
SNP_54937B_11014	scaffold708	NW_004516111.1	11014	TT	CC	CC	INTERGENIC		
SNP_54938B_11020	scaffold708	NW_004516111.1	11020	GG	AA	AA	INTERGENIC		
SNP_54939B_11049	scaffold708	NW_004516111.1	11049	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54940B_11155	scaffold708	NW_004516111.1	11155	AA	GG	GG	INTERGENIC		
SNP_54941B_11200	scaffold708	NW_004516111.1	11200	TT	AA	AA	INTERGENIC		
SNP_54942B_11229	scaffold708	NW_004516111.1	11229	AA	GG	GG	INTERGENIC		
SNP_54943B_11230	scaffold708	NW_004516111.1	11230	CC	AA	AA	INTERGENIC		
SNP_54944B_11263	scaffold708	NW_004516111.1	11263	TT	CC	CC	INTERGENIC		
SNP_54945B_11287	scaffold708	NW_004516111.1	11287	CC	TT	TT	INTERGENIC		
SNP_54946B_12563	scaffold708	NW_004516111.1	12563	GG	AA	AA	INTERGENIC		
SNP_54947B_12884	scaffold708	NW_004516111.1	12884	AA	GG	GG	INTERGENIC		
SNP_54948B_12904	scaffold708	NW_004516111.1	12904	TT	CC	CC	INTERGENIC		
SNP_54949B_12968	scaffold708	NW_004516111.1	12968	AA	CC	CC	INTERGENIC		
SNP_54950B_12991	scaffold708	NW_004516111.1	12991	AA	CC	CC	INTERGENIC		
SNP_54951B_13003	scaffold708	NW_004516111.1	13003	TT	CC	CC	INTERGENIC		
SNP_54952B_13107	scaffold708	NW_004516111.1	13107	AA	GG	GG	INTERGENIC		
SNP_54953B_13117	scaffold708	NW_004516111.1	13117	AA	CC	CC	INTERGENIC		
SNP_54954B_13119	scaffold708	NW_004516111.1	13119	TT	AA	AA	INTERGENIC		
SNP_54955B_13172	scaffold708	NW_004516111.1	13172	AA	GG	GG	INTERGENIC		
SNP_54956B_19468	scaffold708	NW_004516111.1	19468	TT	CC	CC	INTERGENIC		
SNP_54957B_50137	scaffold708	NW_004516111.1	50137	TT	CC	CC	INTERGENIC		
SNP_54958B_50234	scaffold708	NW_004516111.1	50234	TT	CC	CC	INTERGENIC		
SNP_54959B_50293	scaffold708	NW_004516111.1	50293	TT	CC	CC	INTERGENIC		
SNP_54960B_50311	scaffold708	NW_004516111.1	50311	TT	CC	CC	INTERGENIC		
SNP_54961B_1971	scaffold709	NW_004516112.1	1971	TT	AA	AA	INTERGENIC		
SNP_54962B_2009	scaffold709	NW_004516112.1	2009	AA	TT	TT	INTERGENIC		
SNP_54963B_2014	scaffold709	NW_004516112.1	2014	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54964B_2046	scaffold709	NW_004516112.1	2046	AA	TT	TT	INTERGENIC		
SNP_54965B_2243	scaffold709	NW_004516112.1	2243	AA	GG	GG	INTERGENIC		
SNP_54966B_2285	scaffold709	NW_004516112.1	2285	AA	GG	GG	INTERGENIC		
SNP_54967B_2291	scaffold709	NW_004516112.1	2291	AA	GG	GG	INTERGENIC		
SNP_54968B_2331	scaffold709	NW_004516112.1	2331	TT	CC	CC	INTERGENIC		
SNP_54969B_2335	scaffold709	NW_004516112.1	2335	AA	GG	GG	INTERGENIC		
SNP_54970B_2342	scaffold709	NW_004516112.1	2342	AA	GG	GG	INTERGENIC		
SNP_54971B_4004	scaffold709	NW_004516112.1	4004	TT	GG	GG	INTERGENIC		
SNP_54972B_7064	scaffold709	NW_004516112.1	7064	AA	GG	GG	INTERGENIC		
SNP_54973B_7082	scaffold709	NW_004516112.1	7082	TT	AA	AA	INTERGENIC		
SNP_54974B_7154	scaffold709	NW_004516112.1	7154	AA	TT	TT	INTERGENIC		
SNP_54975B_7309	scaffold709	NW_004516112.1	7309	GG	CC	CC	INTERGENIC		
SNP_54976B_7356	scaffold709	NW_004516112.1	7356	GG	AA	AA	INTERGENIC		
SNP_54977B_7395	scaffold709	NW_004516112.1	7395	CC	TT	TT	INTERGENIC		
SNP_54978B_7399	scaffold709	NW_004516112.1	7399	GG	AA	AA	INTERGENIC		
SNP_54979B_7414	scaffold709	NW_004516112.1	7414	TT	GG	GG	INTERGENIC		
SNP_54980B_7421	scaffold709	NW_004516112.1	7421	GG	TT	TT	INTERGENIC		
SNP_54981B_7448	scaffold709	NW_004516112.1	7448	CC	AA	AA	INTERGENIC		
SNP_54982B_7528	scaffold709	NW_004516112.1	7528	GG	TT	TT	INTERGENIC		
SNP_54983B_7542	scaffold709	NW_004516112.1	7542	CC	TT	TT	INTERGENIC		
SNP_54984B_7588	scaffold709	NW_004516112.1	7588	GG	TT	TT	INTERGENIC		
SNP_54985B_7780	scaffold709	NW_004516112.1	7780	GG	AA	AA	INTERGENIC		
SNP_54986B_7799	scaffold709	NW_004516112.1	7799	CC	TT	TT	INTERGENIC		
SNP_54987B_36031	scaffold711	NW_004516113.1	36031	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_54988B_36052	scaffold711	NW_004516113.1	36052	AA	TT	TT	INTERGENIC		
SNP_54989B_36085	scaffold711	NW_004516113.1	36085	GG	AA	AA	INTERGENIC		
SNP_54990B_36115	scaffold711	NW_004516113.1	36115	CC	TT	TT	INTERGENIC		
SNP_54991B_36300	scaffold711	NW_004516113.1	36300	AA	GG	GG	INTERGENIC		
SNP_54992B_36313	scaffold711	NW_004516113.1	36313	GG	AA	AA	INTERGENIC		
SNP_54993B_36331	scaffold711	NW_004516113.1	36331	CC	AA	AA	INTERGENIC		
SNP_54994B_36337	scaffold711	NW_004516113.1	36337	CC	AA	AA	INTERGENIC		
SNP_54995B_36349	scaffold711	NW_004516113.1	36349	CC	TT	TT	INTERGENIC		
SNP_54996B_36372	scaffold711	NW_004516113.1	36372	GG	AA	AA	INTERGENIC		
SNP_54997B_152450	scaffold711	NW_004516113.1	152450	AA	TT	TT	INTERGENIC		
SNP_54999B_1540	scaffold715	NW_004516115.1	1540	CC	AA	AA	INTERGENIC		
SNP_55000B_5483	scaffold715	NW_004516115.1	5483	CC	TT	TT	INTERGENIC		
SNP_55001B_5514	scaffold715	NW_004516115.1	5514	GG	AA	AA	INTERGENIC		
SNP_55002B_5284	scaffold716	NW_004516116.1	5284	AA	GG	GG	INTERGENIC		
SNP_55003B_5314	scaffold716	NW_004516116.1	5314	CC	AA	AA	INTERGENIC		
SNP_55004B_21726	scaffold716	NW_004516116.1	21726	AA	GG	GG	INTERGENIC		
SNP_55005B_23279	scaffold716	NW_004516116.1	23279	GG	AA	AA	INTERGENIC		
SNP_55006B_23340	scaffold716	NW_004516116.1	23340	CC	TT	TT	INTERGENIC		
SNP_55007B_23553	scaffold716	NW_004516116.1	23553	TT	CC	CC	INTERGENIC		
SNP_55008B_23580	scaffold716	NW_004516116.1	23580	AA	GG	GG	INTERGENIC		
SNP_55009B_23622	scaffold716	NW_004516116.1	23622	AA	GG	GG	INTERGENIC		
SNP_55010B_23755	scaffold716	NW_004516116.1	23755	TT	CC	CC	INTERGENIC		
SNP_55011B_23764	scaffold716	NW_004516116.1	23764	AA	TT	TT	INTERGENIC		
SNP_55012B_46053	scaffold716	NW_004516116.1	46053	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_55013B_46217	scaffold716	NW_004516116.1	46217	TT	GG	GG	INTERGENIC		
SNP_55014B_46419	scaffold716	NW_004516116.1	46419	TT	AA	AA	INTERGENIC		
SNP_55015B_64519	scaffold716	NW_004516116.1	64519	CC	TT	TT	INTERGENIC		
SNP_55016B_64905	scaffold716	NW_004516116.1	64905	GG	TT	TT	INTERGENIC		
SNP_55017B_66145	scaffold716	NW_004516116.1	66145	TT	CC	CC	INTERGENIC		
SNP_55018B_66199	scaffold716	NW_004516116.1	66199	CC	TT	TT	INTERGENIC		
SNP_55019B_66201	scaffold716	NW_004516116.1	66201	AA	GG	GG	INTERGENIC		
SNP_55020B_66206	scaffold716	NW_004516116.1	66206	AA	GG	GG	INTERGENIC		
SNP_55021B_109733	scaffold716	NW_004516116.1	109733	AA	GG	GG	INTERGENIC		
SNP_55022B_110793	scaffold716	NW_004516116.1	110793	CC	TT	TT	INTERGENIC		
SNP_55023B_116851	scaffold716	NW_004516116.1	116851	TT	CC	CC	INTERGENIC		
SNP_55025B_117783	scaffold716	NW_004516116.1	117783	TT	CC	CC	INTERGENIC		
SNP_55026B_117794	scaffold716	NW_004516116.1	117794	TT	CC	CC	INTERGENIC		
SNP_55027B_117848	scaffold716	NW_004516116.1	117848	AA	GG	GG	INTERGENIC		
SNP_55028B_117855	scaffold716	NW_004516116.1	117855	TT	CC	CC	INTERGENIC		
SNP_55029B_117864	scaffold716	NW_004516116.1	117864	GG	CC	CC	INTERGENIC		
SNP_55030B_117890	scaffold716	NW_004516116.1	117890	TT	CC	CC	INTERGENIC		
SNP_55031B_118189	scaffold716	NW_004516116.1	118189	TT	GG	GG	INTERGENIC		
SNP_55032B_119749	scaffold716	NW_004516116.1	119749	GG	AA	AA	INTERGENIC		
SNP_55033B_121181	scaffold716	NW_004516116.1	121181	GG	AA	AA	INTERGENIC		
SNP_55034B_131595	scaffold716	NW_004516116.1	131595	CC	TT	TT	INTRON	101496084	leucine-rich repeat receptor-like protein kinase PXC2
SNP_55036B_163506	scaffold716	NW_004516116.1	163506	AA	GG	GG	INTERGENIC		
SNP_55037B_164942	scaffold716	NW_004516116.1	164942	GG	AA	AA	INTERGENIC		
SNP_55038B_171071	scaffold716	NW_004516116.1	171071	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_55039B_181428	scaffold716	NW_004516116.1	181428	AA	TT	TT	INTERGENIC		
SNP_55040B_181435	scaffold716	NW_004516116.1	181435	TT	CC	CC	INTERGENIC		
SNP_55041B_181438	scaffold716	NW_004516116.1	181438	AA	TT	TT	INTERGENIC		
SNP_55042B_181450	scaffold716	NW_004516116.1	181450	GG	TT	TT	INTERGENIC		
SNP_55043B_182741	scaffold716	NW_004516116.1	182741	GG	AA	AA	INTERGENIC		
SNP_55044B_185897	scaffold716	NW_004516116.1	185897	AA	GG	GG	INTERGENIC		
SNP_55045B_186277	scaffold716	NW_004516116.1	186277	AA	GG	GG	INTERGENIC		
SNP_55046B_187106	scaffold716	NW_004516116.1	187106	TT	CC	CC	INTERGENIC		
SNP_55048B_191163	scaffold716	NW_004516116.1	191163	CC	AA	AA	INTERGENIC		
SNP_55050B_201175	scaffold716	NW_004516116.1	201175	AA	GG	GG	INTERGENIC		
SNP_55051B_201604	scaffold716	NW_004516116.1	201604	GG	AA	AA	INTERGENIC		
SNP_55052B_228761	scaffold716	NW_004516116.1	228761	AA	GG	GG	INTERGENIC		
SNP_55054B_244842	scaffold716	NW_004516116.1	244842	CC	TT	TT	DRR	101497718	uncharacterized LOC101497718
SNP_55055B_246281	scaffold716	NW_004516116.1	246281	CC	GG	GG	NON_SYNONYMOUS_CODING	101497718	uncharacterized LOC101497718
SNP_55056B_248082	scaffold716	NW_004516116.1	248082	TT	GG	GG	URR	101497718	uncharacterized LOC101497718
SNP_55057B_248084	scaffold716	NW_004516116.1	248084	CC	TT	TT	URR	101497718	uncharacterized LOC101497718
SNP_55059B_248115	scaffold716	NW_004516116.1	248115	AA	GG	GG	URR	101497718	uncharacterized LOC101497718
SNP_55060B_248119	scaffold716	NW_004516116.1	248119	CC	TT	TT	URR	101497718	uncharacterized LOC101497718
SNP_55061B_248147	scaffold716	NW_004516116.1	248147	CC	TT	TT	URR	101497718	uncharacterized LOC101497718
SNP_55062B_248150	scaffold716	NW_004516116.1	248150	CC	AA	AA	URR	101497718	uncharacterized LOC101497718
SNP_55063B_263466	scaffold716	NW_004516116.1	263466	GG	TT	TT	INTERGENIC		
SNP_55064B_263629	scaffold716	NW_004516116.1	263629	TT	AA	AA	INTERGENIC		
SNP_55065B_263663	scaffold716	NW_004516116.1	263663	CC	TT	TT	INTERGENIC		
SNP_55066B_263670	scaffold716	NW_004516116.1	263670	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_55067B_263739	scaffold716	NW_004516116.1	263739	CC	TT	TT	INTERGENIC		
SNP_55068B_263740	scaffold716	NW_004516116.1	263740	AA	GG	GG	INTERGENIC		
SNP_55069B_272974	scaffold716	NW_004516116.1	272974	CC	TT	TT	INTERGENIC		
SNP_55070B_273095	scaffold716	NW_004516116.1	273095	CC	AA	AA	INTERGENIC		
SNP_55071B_280828	scaffold716	NW_004516116.1	280828	AA	TT	TT	INTERGENIC		
SNP_55072B_313785	scaffold716	NW_004516116.1	313785	CC	GG	GG	INTERGENIC		
SNP_55073B_314940	scaffold716	NW_004516116.1	314940	AA	GG	GG	INTERGENIC		
SNP_55074B_397276	scaffold716	NW_004516116.1	397276	TT	GG	GG	INTERGENIC		
SNP_55075B_397425	scaffold716	NW_004516116.1	397425	CC	AA	AA	INTERGENIC		
SNP_55076B_397601	scaffold716	NW_004516116.1	397601	CC	TT	TT	INTERGENIC		
SNP_55077B_397603	scaffold716	NW_004516116.1	397603	GG	CC	CC	INTERGENIC		
SNP_55078B_397608	scaffold716	NW_004516116.1	397608	GG	TT	TT	INTERGENIC		
SNP_55079B_397611	scaffold716	NW_004516116.1	397611	GG	AA	AA	INTERGENIC		
SNP_55080B_397640	scaffold716	NW_004516116.1	397640	TT	CC	CC	INTERGENIC		
SNP_55081B_397641	scaffold716	NW_004516116.1	397641	TT	CC	CC	INTERGENIC		
SNP_55082B_397659	scaffold716	NW_004516116.1	397659	AA	GG	GG	INTERGENIC		
SNP_55083B_397823	scaffold716	NW_004516116.1	397823	TT	CC	CC	INTERGENIC		
SNP_55084B_397824	scaffold716	NW_004516116.1	397824	AA	GG	GG	INTERGENIC		
SNP_55085B_405178	scaffold716	NW_004516116.1	405178	GG	TT	TT	INTERGENIC		
SNP_55086B_2862	scaffold717	NW_004516117.1	2862	AA	GG	GG	INTERGENIC		
SNP_55087B_2874	scaffold717	NW_004516117.1	2874	TT	AA	AA	INTERGENIC		
SNP_55088B_9528	scaffold719	NW_004516118.1	9528	AA	GG	GG	INTERGENIC		
SNP_55089B_9750	scaffold719	NW_004516118.1	9750	AA	GG	GG	INTERGENIC		
SNP_55090B_9873	scaffold719	NW_004516118.1	9873	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_55091B_10035	scaffold719	NW_004516118.1	10035	GG	AA	AA	INTERGENIC		
SNP_55092B_10038	scaffold719	NW_004516118.1	10038	AA	TT	TT	INTERGENIC		
SNP_55093B_12135	scaffold719	NW_004516118.1	12135	GG	TT	TT	INTERGENIC		
SNP_55095B_12164	scaffold719	NW_004516118.1	12164	CC	AA	AA	INTERGENIC		
SNP_55096B_12204	scaffold719	NW_004516118.1	12204	TT	AA	AA	INTERGENIC		
SNP_55097B_12488	scaffold719	NW_004516118.1	12488	GG	AA	AA	INTERGENIC		
SNP_55098B_12498	scaffold719	NW_004516118.1	12498	AA	GG	GG	INTERGENIC		
SNP_55099B_12499	scaffold719	NW_004516118.1	12499	TT	CC	CC	INTERGENIC		
SNP_55100B_12519	scaffold719	NW_004516118.1	12519	AA	CC	CC	INTERGENIC		
SNP_55101B_12577	scaffold719	NW_004516118.1	12577	TT	CC	CC	INTERGENIC		
SNP_55102B_14849	scaffold719	NW_004516118.1	14849	GG	AA	AA	INTERGENIC		
SNP_55103B_14924	scaffold719	NW_004516118.1	14924	TT	GG	GG	INTERGENIC		
SNP_55105B_31756	scaffold719	NW_004516118.1	31756	GG	AA	AA	INTERGENIC		
SNP_55106B_32264	scaffold719	NW_004516118.1	32264	AA	CC	CC	INTERGENIC		
SNP_55107B_41821	scaffold719	NW_004516118.1	41821	CC	GG	GG	INTERGENIC		
SNP_55108B_85076	scaffold719	NW_004516118.1	85076	CC	TT	TT	INTERGENIC		
SNP_55109B_85091	scaffold719	NW_004516118.1	85091	TT	AA	AA	INTERGENIC		
SNP_55110B_85107	scaffold719	NW_004516118.1	85107	TT	CC	CC	INTERGENIC		
SNP_55111B_108799	scaffold719	NW_004516118.1	108799	GG	AA	AA	INTERGENIC		
SNP_55112B_108837	scaffold719	NW_004516118.1	108837	CC	TT	TT	INTERGENIC		
SNP_55113B_108847	scaffold719	NW_004516118.1	108847	AA	GG	GG	INTERGENIC		
SNP_55116B_110034	scaffold719	NW_004516118.1	110034	TT	CC	CC	INTERGENIC		
SNP_55117B_110601	scaffold719	NW_004516118.1	110601	TT	CC	CC	INTERGENIC		
SNP_55118B_110603	scaffold719	NW_004516118.1	110603	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_55119B_110604	scaffold719	NW_004516118.1	110604	AA	GG	GG	INTERGENIC		
SNP_55120B_110755	scaffold719	NW_004516118.1	110755	AA	TT	TT	INTERGENIC		
SNP_55121B_123432	scaffold719	NW_004516118.1	123432	TT	CC	CC	INTERGENIC		
SNP_55122B_123491	scaffold719	NW_004516118.1	123491	CC	GG	GG	INTERGENIC		
SNP_55123B_123492	scaffold719	NW_004516118.1	123492	TT	CC	CC	INTERGENIC		
SNP_55124B_123532	scaffold719	NW_004516118.1	123532	TT	AA	AA	INTERGENIC		
SNP_55125B_123702	scaffold719	NW_004516118.1	123702	AA	GG	GG	INTERGENIC		
SNP_55127B_123770	scaffold719	NW_004516118.1	123770	CC	AA	AA	INTERGENIC		
SNP_55128B_123785	scaffold719	NW_004516118.1	123785	AA	TT	TT	INTERGENIC		
SNP_55129B_123813	scaffold719	NW_004516118.1	123813	GG	AA	AA	INTERGENIC		
SNP_55130B_124392	scaffold719	NW_004516118.1	124392	GG	AA	AA	INTERGENIC		
SNP_55131B_128526	scaffold719	NW_004516118.1	128526	TT	CC	CC	INTERGENIC		
SNP_55132B_128594	scaffold719	NW_004516118.1	128594	TT	CC	CC	INTERGENIC		
SNP_55133B_128616	scaffold719	NW_004516118.1	128616	AA	TT	TT	INTERGENIC		
SNP_55134B_961	scaffold720	NW_004516119.1	961	CC	TT	TT	INTERGENIC		
SNP_55135B_963	scaffold720	NW_004516119.1	963	AA	GG	GG	INTERGENIC		
SNP_55136B_1277	scaffold720	NW_004516119.1	1277	TT	AA	AA	INTERGENIC		
SNP_55137B_1314	scaffold720	NW_004516119.1	1314	AA	TT	TT	INTERGENIC		
SNP_55138B_1371	scaffold720	NW_004516119.1	1371	CC	TT	TT	INTERGENIC		
SNP_55139B_53725	scaffold720	NW_004516119.1	53725	AA	GG	GG	INTERGENIC		
SNP_55140B_76938	scaffold720	NW_004516119.1	76938	AA	GG	GG	INTERGENIC		
SNP_55141B_77066	scaffold720	NW_004516119.1	77066	TT	AA	AA	INTERGENIC		
SNP_55142B_77108	scaffold720	NW_004516119.1	77108	CC	GG	GG	INTERGENIC		
SNP_55143B_121859	scaffold720	NW_004516119.1	121859	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_55144B_170335	scaffold720	NW_004516119.1	170335	AA	GG	GG	INTERGENIC		
SNP_55145B_179269	scaffold720	NW_004516119.1	179269	TT	AA	AA	INTERGENIC		
SNP_55146B_179581	scaffold720	NW_004516119.1	179581	CC	TT	TT	INTERGENIC		
SNP_55148B_296566	scaffold720	NW_004516119.1	296566	AA	TT	TT	INTERGENIC		
SNP_55149B_296610	scaffold720	NW_004516119.1	296610	GG	AA	AA	INTERGENIC		
SNP_55150B_296689	scaffold720	NW_004516119.1	296689	TT	AA	AA	INTERGENIC		
SNP_55151B_296865	scaffold720	NW_004516119.1	296865	AA	GG	GG	INTERGENIC		
SNP_55152B_296871	scaffold720	NW_004516119.1	296871	TT	GG	GG	INTERGENIC		
SNP_55153B_297034	scaffold720	NW_004516119.1	297034	CC	AA	AA	INTERGENIC		
SNP_55154B_297071	scaffold720	NW_004516119.1	297071	TT	CC	CC	INTERGENIC		
SNP_55155B_297195	scaffold720	NW_004516119.1	297195	AA	GG	GG	INTERGENIC		
SNP_55156B_297250	scaffold720	NW_004516119.1	297250	AA	CC	CC	INTERGENIC		
SNP_55157B_297268	scaffold720	NW_004516119.1	297268	AA	GG	GG	INTERGENIC		
SNP_55158B_297281	scaffold720	NW_004516119.1	297281	GG	AA	AA	INTERGENIC		
SNP_55159B_297341	scaffold720	NW_004516119.1	297341	AA	CC	CC	INTERGENIC		
SNP_55160B_297342	scaffold720	NW_004516119.1	297342	GG	AA	AA	INTERGENIC		
SNP_55161B_297452	scaffold720	NW_004516119.1	297452	CC	TT	TT	INTERGENIC		
SNP_55162B_297522	scaffold720	NW_004516119.1	297522	AA	CC	CC	INTERGENIC		
SNP_55163B_297529	scaffold720	NW_004516119.1	297529	AA	GG	GG	INTERGENIC		
SNP_55164B_297652	scaffold720	NW_004516119.1	297652	GG	AA	AA	INTERGENIC		
SNP_55165B_297690	scaffold720	NW_004516119.1	297690	GG	AA	AA	INTERGENIC		
SNP_55166B_297729	scaffold720	NW_004516119.1	297729	CC	AA	AA	INTERGENIC		
SNP_55167B_297747	scaffold720	NW_004516119.1	297747	AA	GG	GG	INTERGENIC		
SNP_55168B_297797	scaffold720	NW_004516119.1	297797	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_55169B_297886	scaffold720	NW_004516119.1	297886	TT	GG	GG	INTERGENIC		
SNP_55170B_298098	scaffold720	NW_004516119.1	298098	CC	TT	TT	INTERGENIC		
SNP_55171B_298128	scaffold720	NW_004516119.1	298128	CC	AA	AA	INTERGENIC		
SNP_55172B_298216	scaffold720	NW_004516119.1	298216	GG	AA	AA	INTERGENIC		
SNP_55173B_298283	scaffold720	NW_004516119.1	298283	TT	CC	CC	INTERGENIC		
SNP_55174B_330900	scaffold720	NW_004516119.1	330900	AA	GG	GG	INTERGENIC		
SNP_55175B_330903	scaffold720	NW_004516119.1	330903	GG	TT	TT	INTERGENIC		
SNP_55176B_330926	scaffold720	NW_004516119.1	330926	TT	AA	AA	INTERGENIC		
SNP_55177B_331016	scaffold720	NW_004516119.1	331016	GG	TT	TT	INTERGENIC		
SNP_55178B_331025	scaffold720	NW_004516119.1	331025	AA	TT	TT	INTERGENIC		
SNP_55179B_331170	scaffold720	NW_004516119.1	331170	CC	TT	TT	INTERGENIC		
SNP_55180B_331171	scaffold720	NW_004516119.1	331171	AA	GG	GG	INTERGENIC		
SNP_55181B_331172	scaffold720	NW_004516119.1	331172	GG	AA	AA	INTERGENIC		
SNP_55182B_333020	scaffold720	NW_004516119.1	333020	CC	TT	TT	INTERGENIC		
SNP_55183B_333026	scaffold720	NW_004516119.1	333026	GG	AA	AA	INTERGENIC		
SNP_55184B_333312	scaffold720	NW_004516119.1	333312	GG	TT	TT	INTERGENIC		
SNP_55186B_336874	scaffold720	NW_004516119.1	336874	AA	GG	GG	INTERGENIC		
SNP_55187B_337210	scaffold720	NW_004516119.1	337210	CC	TT	TT	INTERGENIC		
SNP_55188B_337262	scaffold720	NW_004516119.1	337262	AA	TT	TT	INTERGENIC		
SNP_55189B_337391	scaffold720	NW_004516119.1	337391	TT	CC	CC	INTERGENIC		
SNP_55190B_337456	scaffold720	NW_004516119.1	337456	AA	GG	GG	INTERGENIC		
SNP_55191B_337546	scaffold720	NW_004516119.1	337546	CC	TT	TT	INTERGENIC		
SNP_55192B_337844	scaffold720	NW_004516119.1	337844	TT	CC	CC	INTERGENIC		
SNP_55193B_337890	scaffold720	NW_004516119.1	337890	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_55194B_338192	scaffold720	NW_004516119.1	338192	TT	GG	GG	INTERGENIC		
SNP_55195B_344946	scaffold720	NW_004516119.1	344946	CC	TT	TT	INTERGENIC		
SNP_55196B_345062	scaffold720	NW_004516119.1	345062	GG	AA	AA	INTERGENIC		
SNP_55197B_345138	scaffold720	NW_004516119.1	345138	GG	TT	TT	INTERGENIC		
SNP_55198B_345201	scaffold720	NW_004516119.1	345201	TT	CC	CC	INTERGENIC		
SNP_55199B_345202	scaffold720	NW_004516119.1	345202	AA	GG	GG	INTERGENIC		
SNP_55200B_353464	scaffold720	NW_004516119.1	353464	TT	AA	AA	INTERGENIC		
SNP_55201B_360595	scaffold720	NW_004516119.1	360595	TT	CC	CC	INTERGENIC		
SNP_55202B_360863	scaffold720	NW_004516119.1	360863	GG	AA	AA	INTERGENIC		
SNP_55203B_362943	scaffold720	NW_004516119.1	362943	AA	GG	GG	INTERGENIC		
SNP_55204B_364807	scaffold720	NW_004516119.1	364807	AA	GG	GG	NON_SYNONYMOUS_CODING	101500732	Unknown function
SNP_55205B_370011	scaffold720	NW_004516119.1	370011	GG	TT	TT	DRR	101499563	uncharacterized LOC101499563
SNP_55206B_370067	scaffold720	NW_004516119.1	370067	AA	TT	TT	DRR	101499563	uncharacterized LOC101499563
SNP_55207B_370070	scaffold720	NW_004516119.1	370070	AA	GG	GG	DRR	101499563	uncharacterized LOC101499563
SNP_55208B_370137	scaffold720	NW_004516119.1	370137	TT	CC	CC	DRR	101499563	uncharacterized LOC101499563
SNP_55210B_370297	scaffold720	NW_004516119.1	370297	CC	TT	TT	DRR	101499563	uncharacterized LOC101499563
SNP_55211B_370374	scaffold720	NW_004516119.1	370374	TT	CC	CC	URR	101500732	Unknown function
SNP_55212B_370465	scaffold720	NW_004516119.1	370465	TT	AA	AA	URR	101500732	Unknown function
SNP_55213B_370559	scaffold720	NW_004516119.1	370559	GG	CC	CC	URR	101500732	Unknown function
SNP_55214B_370639	scaffold720	NW_004516119.1	370639	TT	AA	AA	URR	101500732	Unknown function
SNP_55216B_370725	scaffold720	NW_004516119.1	370725	AA	GG	GG	URR	101500732	Unknown function
SNP_55217B_370814	scaffold720	NW_004516119.1	370814	GG	AA	AA	URR	101500732	Unknown function
SNP_55218B_370924	scaffold720	NW_004516119.1	370924	CC	AA	AA	URR	101500732	Unknown function
SNP_55219B_371463	scaffold720	NW_004516119.1	371463	AA	TT	TT	URR	101500732	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_55220B_371609	scaffold720	NW_004516119.1	371609	TT	CC	CC	INTRON	id204863	Unknown function
SNP_55221B_371637	scaffold720	NW_004516119.1	371637	GG	AA	AA	INTRON	id204863	Unknown function
SNP_55222B_371886	scaffold720	NW_004516119.1	371886	GG	AA	AA	URR	101499563	uncharacterized LOC101499563
SNP_55224B_15672	scaffold721	NW_004516120.1	15672	TT	AA	AA	INTERGENIC		
SNP_55225B_28898	scaffold721	NW_004516120.1	28898	TT	CC	CC	INTERGENIC		
SNP_55226B_35609	scaffold721	NW_004516120.1	35609	GG	AA	AA	INTERGENIC		
SNP_55227B_77608	scaffold721	NW_004516120.1	77608	TT	CC	CC	INTERGENIC		
SNP_55228B_77641	scaffold721	NW_004516120.1	77641	TT	AA	AA	INTERGENIC		
SNP_55229B_77872	scaffold721	NW_004516120.1	77872	TT	GG	GG	INTERGENIC		
SNP_55230B_106546	scaffold721	NW_004516120.1	106546	CC	TT	TT	INTERGENIC		
SNP_55231B_107367	scaffold721	NW_004516120.1	107367	GG	AA	AA	INTERGENIC		
SNP_55232B_187782	scaffold721	NW_004516120.1	187782	CC	GG	GG	INTERGENIC		
SNP_55233B_187844	scaffold721	NW_004516120.1	187844	TT	CC	CC	INTERGENIC		
SNP_55234B_190681	scaffold721	NW_004516120.1	190681	CC	TT	TT	INTERGENIC		
SNP_55235B_190695	scaffold721	NW_004516120.1	190695	TT	CC	CC	INTERGENIC		
SNP_55236B_191055	scaffold721	NW_004516120.1	191055	TT	GG	GG	INTERGENIC		
SNP_55237B_191783	scaffold721	NW_004516120.1	191783	CC	GG	GG	INTERGENIC		
SNP_55238B_191792	scaffold721	NW_004516120.1	191792	TT	AA	AA	INTERGENIC		
SNP_55239B_10731	scaffold723	NW_004516121.1	10731	AA	GG	GG	INTERGENIC		
SNP_55240B_10788	scaffold723	NW_004516121.1	10788	AA	CC	CC	INTERGENIC		
SNP_55241B_10791	scaffold723	NW_004516121.1	10791	GG	CC	CC	INTERGENIC		
SNP_55242B_10803	scaffold723	NW_004516121.1	10803	TT	GG	GG	INTERGENIC		
SNP_55243B_10845	scaffold723	NW_004516121.1	10845	CC	AA	AA	INTERGENIC		
SNP_55245B_41016	scaffold724	NW_004516122.1	41016	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_55246B_76467	scaffold724	NW_004516122.1	76467	AA	GG	GG	INTERGENIC		
SNP_55247B_76487	scaffold724	NW_004516122.1	76487	GG	TT	TT	INTERGENIC		
SNP_55248B_76529	scaffold724	NW_004516122.1	76529	TT	GG	GG	INTERGENIC		
SNP_55249B_99614	scaffold724	NW_004516122.1	99614	TT	CC	CC	DRR	101501892	(+)-neomenthol dehydrogenase-like
SNP_55250B_99654	scaffold724	NW_004516122.1	99654	AA	TT	TT	DRR	101501892	(+)-neomenthol dehydrogenase-like
SNP_55251B_99720	scaffold724	NW_004516122.1	99720	TT	AA	AA	DRR	101501892	(+)-neomenthol dehydrogenase-like
SNP_55252B_99758	scaffold724	NW_004516122.1	99758	TT	GG	GG	DRR	101501892	(+)-neomenthol dehydrogenase-like
SNP_55253B_100070	scaffold724	NW_004516122.1	100070	GG	AA	AA	DRR	101501892	(+)-neomenthol dehydrogenase-like
SNP_55256B_100270	scaffold724	NW_004516122.1	100270	TT	AA	AA	DRR	101501892	(+)-neomenthol dehydrogenase-like
SNP_55258B_100364	scaffold724	NW_004516122.1	100364	CC	GG	GG	DRR	101501892	(+)-neomenthol dehydrogenase-like
SNP_55259B_100430	scaffold724	NW_004516122.1	100430	TT	CC	CC	DRR	101501892	(+)-neomenthol dehydrogenase-like
SNP_55260B_100443	scaffold724	NW_004516122.1	100443	AA	GG	GG	DRR	101501892	(+)-neomenthol dehydrogenase-like
SNP_55261B_100456	scaffold724	NW_004516122.1	100456	AA	CC	CC	DRR	101501892	(+)-neomenthol dehydrogenase-like
SNP_55262B_100461	scaffold724	NW_004516122.1	100461	AA	TT	TT	DRR	101501892	(+)-neomenthol dehydrogenase-like
SNP_55264B_101491	scaffold724	NW_004516122.1	101491	CC	TT	TT	INTRON	101501892	(+)-neomenthol dehydrogenase-like
SNP_55265B_101623	scaffold724	NW_004516122.1	101623	TT	AA	AA	INTRON	101501892	(+)-neomenthol dehydrogenase-like
SNP_55266B_103720	scaffold724	NW_004516122.1	103720	AA	CC	CC	URR	101501892	(+)-neomenthol dehydrogenase-like
SNP_55268B_108596	scaffold724	NW_004516122.1	108596	TT	AA	AA	INTERGENIC		
SNP_55269B_108984	scaffold724	NW_004516122.1	108984	AA	GG	GG	INTERGENIC		
SNP_55270B_112415	scaffold724	NW_004516122.1	112415	CC	TT	TT	INTRON	101504143	(+)-neomenthol dehydrogenase-like
SNP_55271B_112451	scaffold724	NW_004516122.1	112451	CC	TT	TT	INTRON	101504143	(+)-neomenthol dehydrogenase-like
SNP_55272B_126335	scaffold724	NW_004516122.1	126335	AA	GG	GG	URR	101504143	(+)-neomenthol dehydrogenase-like
SNP_55273B_126346	scaffold724	NW_004516122.1	126346	AA	CC	CC	URR	101504143	(+)-neomenthol dehydrogenase-like
SNP_55274B_126354	scaffold724	NW_004516122.1	126354	CC	TT	TT	URR	101504143	(+)-neomenthol dehydrogenase-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_55275B_126458	scaffold724	NW_004516122.1	126458	TT	CC	CC	URR	101504143	(+)-neomenthol dehydrogenase-like
SNP_55276B_126732	scaffold724	NW_004516122.1	126732	TT	CC	CC	URR	101504143	(+)-neomenthol dehydrogenase-like
SNP_55277B_126733	scaffold724	NW_004516122.1	126733	CC	TT	TT	URR	101504143	(+)-neomenthol dehydrogenase-like
SNP_55279B_126992	scaffold724	NW_004516122.1	126992	CC	TT	TT	URR	101504143	(+)-neomenthol dehydrogenase-like
SNP_55280B_127017	scaffold724	NW_004516122.1	127017	CC	AA	AA	URR	101504143	(+)-neomenthol dehydrogenase-like
SNP_55281B_94	scaffold725	NW_004516123.1	94	AA	GG	GG	INTERGENIC		
SNP_55282B_122	scaffold725	NW_004516123.1	122	AA	CC	CC	INTERGENIC		
SNP_55283B_922	scaffold725	NW_004516123.1	922	GG	AA	AA	INTERGENIC		
SNP_55284B_923	scaffold725	NW_004516123.1	923	AA	TT	TT	INTERGENIC		
SNP_55285B_1315	scaffold725	NW_004516123.1	1315	CC	AA	AA	INTERGENIC		
SNP_55286B_24505	scaffold728	NW_004516124.1	24505	AA	GG	GG	SYNONYMOUS_CODING	101504785	pentatricopeptide repeat-containing protein At1g62670, mitochondrial-like
SNP_55287B_24513	scaffold728	NW_004516124.1	24513	AA	GG	GG	NON_SYNONYMOUS_CODING	101504785	pentatricopeptide repeat-containing protein At1g62670, mitochondrial-like
SNP_55289B_42401	scaffold728	NW_004516124.1	42401	AA	CC	CC	INTRON	101505521	1-aminocyclopropane-1-carboxylate oxidase homolog 1-like
SNP_55290B_42650	scaffold728	NW_004516124.1	42650	GG	AA	AA	INTRON	101505521	1-aminocyclopropane-1-carboxylate oxidase homolog 1-like
SNP_55291B_42866	scaffold728	NW_004516124.1	42866	GG	AA	AA	INTRON	101505521	1-aminocyclopropane-1-carboxylate oxidase homolog 1-like
SNP_55292B_42883	scaffold728	NW_004516124.1	42883	CC	TT	TT	INTRON	101505521	1-aminocyclopropane-1-carboxylate oxidase homolog 1-like
SNP_55293B_42921	scaffold728	NW_004516124.1	42921	TT	CC	CC	INTRON	101505521	1-aminocyclopropane-1-carboxylate oxidase homolog 1-like
SNP_55294B_42971	scaffold728	NW_004516124.1	42971	TT	CC	CC	INTRON	101505521	1-aminocyclopropane-1-carboxylate oxidase homolog 1-like
SNP_55295B_42974	scaffold728	NW_004516124.1	42974	TT	CC	CC	INTRON	101505521	1-aminocyclopropane-1-carboxylate oxidase homolog 1-like
SNP_55296B_43271	scaffold728	NW_004516124.1	43271	GG	TT	TT	INTRON	101505521	1-aminocyclopropane-1-carboxylate oxidase homolog 1-like
SNP_55297B_811	scaffold731	NW_004516125.1	811	AA	GG	GG	INTERGENIC		
SNP_55298B_825	scaffold731	NW_004516125.1	825	GG	TT	TT	INTERGENIC		
SNP_55299B_11545	scaffold731	NW_004516125.1	11545	AA	GG	GG	INTERGENIC		
SNP_55300B_27384	scaffold731	NW_004516125.1	27384	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_55301B_27395	scaffold731	NW_004516125.1	27395	CC	TT	TT	INTERGENIC		
SNP_55302B_27417	scaffold731	NW_004516125.1	27417	GG	CC	CC	INTERGENIC		
SNP_55303B_27426	scaffold731	NW_004516125.1	27426	TT	CC	CC	INTERGENIC		
SNP_55304B_44691	scaffold731	NW_004516125.1	44691	GG	AA	AA	INTERGENIC		
SNP_55305B_46260	scaffold731	NW_004516125.1	46260	AA	GG	GG	INTERGENIC		
SNP_55306B_46484	scaffold731	NW_004516125.1	46484	GG	AA	AA	INTERGENIC		
SNP_55307B_46528	scaffold731	NW_004516125.1	46528	AA	TT	TT	INTERGENIC		
SNP_55308B_49047	scaffold731	NW_004516125.1	49047	TT	AA	AA	INTERGENIC		
SNP_55309B_49483	scaffold731	NW_004516125.1	49483	AA	GG	GG	INTERGENIC		
SNP_55310B_49519	scaffold731	NW_004516125.1	49519	TT	CC	CC	INTERGENIC		
SNP_55311B_49569	scaffold731	NW_004516125.1	49569	GG	TT	TT	INTERGENIC		
SNP_55312B_49573	scaffold731	NW_004516125.1	49573	CC	TT	TT	INTERGENIC		
SNP_55315B_94777	scaffold731	NW_004516125.1	94777	TT	CC	CC	INTERGENIC		
SNP_55316B_135753	scaffold731	NW_004516125.1	135753	TT	CC	CC	INTERGENIC		
SNP_55317B_135868	scaffold731	NW_004516125.1	135868	CC	TT	TT	INTERGENIC		
SNP_55318B_135890	scaffold731	NW_004516125.1	135890	CC	AA	AA	INTERGENIC		
SNP_55319B_136119	scaffold731	NW_004516125.1	136119	AA	GG	GG	INTERGENIC		
SNP_55320B_136301	scaffold731	NW_004516125.1	136301	AA	TT	TT	INTERGENIC		
SNP_55321B_139554	scaffold731	NW_004516125.1	139554	TT	CC	CC	INTERGENIC		
SNP_55322B_145761	scaffold731	NW_004516125.1	145761	AA	GG	GG	INTERGENIC		
SNP_55323B_145765	scaffold731	NW_004516125.1	145765	CC	TT	TT	INTERGENIC		
SNP_55324B_148640	scaffold731	NW_004516125.1	148640	TT	CC	CC	INTERGENIC		
SNP_55325B_205692	scaffold731	NW_004516125.1	205692	TT	GG	GG	INTERGENIC		
SNP_55326B_206128	scaffold731	NW_004516125.1	206128	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_55327B_216856	scaffold731	NW_004516125.1	216856	AA	GG	GG	INTERGENIC		
SNP_55328B_224594	scaffold731	NW_004516125.1	224594	GG	TT	TT	INTERGENIC		
SNP_55329B_224857	scaffold731	NW_004516125.1	224857	AA	CC	CC	INTERGENIC		
SNP_55330B_277636	scaffold731	NW_004516125.1	277636	CC	AA	AA	INTERGENIC		
SNP_55331B_300660	scaffold731	NW_004516125.1	300660	CC	TT	TT	INTERGENIC		
SNP_55332B_300679	scaffold731	NW_004516125.1	300679	TT	CC	CC	INTERGENIC		
SNP_55333B_300985	scaffold731	NW_004516125.1	300985	GG	TT	TT	INTERGENIC		
SNP_55334B_300990	scaffold731	NW_004516125.1	300990	AA	GG	GG	INTERGENIC		
SNP_55335B_301065	scaffold731	NW_004516125.1	301065	GG	CC	CC	INTERGENIC		
SNP_55336B_301067	scaffold731	NW_004516125.1	301067	GG	AA	AA	INTERGENIC		
SNP_55337B_301938	scaffold731	NW_004516125.1	301938	CC	TT	TT	INTERGENIC		
SNP_55338B_301939	scaffold731	NW_004516125.1	301939	TT	CC	CC	INTERGENIC		
SNP_55340B_313056	scaffold731	NW_004516125.1	313056	GG	AA	AA	DRR	101506834	ribosomal protein L36
SNP_55341B_313093	scaffold731	NW_004516125.1	313093	AA	GG	GG	DRR	101506834	ribosomal protein L36
SNP_55342B_315329	scaffold731	NW_004516125.1	315329	AA	CC	CC	URR	101506834	ribosomal protein L36
SNP_55343B_315344	scaffold731	NW_004516125.1	315344	TT	CC	CC	URR	101506834	ribosomal protein L36
SNP_55344B_315398	scaffold731	NW_004516125.1	315398	TT	GG	GG	URR	101506834	ribosomal protein L36
SNP_55345B_315530	scaffold731	NW_004516125.1	315530	AA	CC	CC	URR	101506834	ribosomal protein L36
SNP_55346B_315563	scaffold731	NW_004516125.1	315563	TT	CC	CC	URR	101506834	ribosomal protein L36
SNP_55347B_315575	scaffold731	NW_004516125.1	315575	GG	TT	TT	URR	101506834	ribosomal protein L36
SNP_55348B_315859	scaffold731	NW_004516125.1	315859	CC	AA	AA	URR	101506834	ribosomal protein L36
SNP_55350B_315913	scaffold731	NW_004516125.1	315913	GG	AA	AA	URR	101506834	ribosomal protein L36
SNP_55351B_315925	scaffold731	NW_004516125.1	315925	TT	GG	GG	URR	101506834	ribosomal protein L36
SNP_55352B_315953	scaffold731	NW_004516125.1	315953	TT	GG	GG	URR	101506834	ribosomal protein L36

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_55353B_315987	scaffold731	NW_004516125.1	315987	GG	AA	AA	URR	101506834	ribosomal protein L36
SNP_55354B_322711	scaffold731	NW_004516125.1	322711	TT	GG	GG	DRR	101410558	transfer RNA methionine (anticodon CAU)
SNP_55357B_323252	scaffold731	NW_004516125.1	323252	TT	AA	AA	URR	101410558	transfer RNA methionine (anticodon CAU)
SNP_55358B_323652	scaffold731	NW_004516125.1	323652	CC	GG	GG	URR	101410558	transfer RNA methionine (anticodon CAU)
SNP_55359B_323699	scaffold731	NW_004516125.1	323699	AA	GG	GG	URR	101410558	transfer RNA methionine (anticodon CAU)
SNP_55362B_324506	scaffold731	NW_004516125.1	324506	GG	CC	CC	URR	101410558	transfer RNA methionine (anticodon CAU)
SNP_55363B_324604	scaffold731	NW_004516125.1	324604	TT	GG	GG	URR	101410558	transfer RNA methionine (anticodon CAU)
SNP_55366B_335021	scaffold731	NW_004516125.1	335021	AA	GG	GG	URR	101410560	transfer RNA valine (anticodon GAC)
SNP_55367B_335072	scaffold731	NW_004516125.1	335072	GG	TT	TT	URR	101410560	transfer RNA valine (anticodon GAC)
SNP_55368B_339389	scaffold731	NW_004516125.1	339389	AA	GG	GG	URR	101515319	Unknown function
SNP_55369B_339423	scaffold731	NW_004516125.1	339423	GG	AA	AA	URR	101515319	Unknown function
SNP_55371B_340744	scaffold731	NW_004516125.1	340744	TT	CC	CC	URR	101515319	Unknown function
SNP_55372B_340893	scaffold731	NW_004516125.1	340893	TT	GG	GG	URR	101515319	Unknown function
SNP_55373B_340986	scaffold731	NW_004516125.1	340986	TT	AA	AA	URR	101515319	Unknown function
SNP_55374B_341071	scaffold731	NW_004516125.1	341071	TT	CC	CC	URR	101515319	Unknown function
SNP_55375B_341129	scaffold731	NW_004516125.1	341129	AA	TT	TT	URR	101515319	Unknown function
SNP_55376B_341304	scaffold731	NW_004516125.1	341304	AA	GG	GG	INTERGENIC		
SNP_55377B_342054	scaffold731	NW_004516125.1	342054	GG	TT	TT	INTERGENIC		
SNP_55378B_342062	scaffold731	NW_004516125.1	342062	TT	CC	CC	INTERGENIC		
SNP_55379B_342074	scaffold731	NW_004516125.1	342074	AA	GG	GG	INTERGENIC		
SNP_55381B_343859	scaffold731	NW_004516125.1	343859	CC	TT	TT	INTERGENIC		
SNP_55382B_343901	scaffold731	NW_004516125.1	343901	GG	TT	TT	INTERGENIC		
SNP_55383B_348066	scaffold731	NW_004516125.1	348066	GG	CC	CC	INTERGENIC		
SNP_55384B_348098	scaffold731	NW_004516125.1	348098	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_55385B_348814	scaffold731	NW_004516125.1	348814	GG	CC	CC	INTERGENIC		
SNP_55386B_349611	scaffold731	NW_004516125.1	349611	AA	GG	GG	INTERGENIC		
SNP_55388B_361202	scaffold731	NW_004516125.1	361202	TT	CC	CC	DRR	101410560	transfer RNA valine (anticodon GAC)
SNP_55389B_361238	scaffold731	NW_004516125.1	361238	AA	GG	GG	DRR	101410560	transfer RNA valine (anticodon GAC)
SNP_55390B_361553	scaffold731	NW_004516125.1	361553	CC	AA	AA	URR	101410560	transfer RNA valine (anticodon GAC)
SNP_55392B_361626	scaffold731	NW_004516125.1	361626	GG	TT	TT	URR	101410560	transfer RNA valine (anticodon GAC)
SNP_55393B_361644	scaffold731	NW_004516125.1	361644	TT	AA	AA	URR	101410560	transfer RNA valine (anticodon GAC)
SNP_55394B_361786	scaffold731	NW_004516125.1	361786	TT	GG	GG	URR	101410560	transfer RNA valine (anticodon GAC)
SNP_55395B_361818	scaffold731	NW_004516125.1	361818	TT	CC	CC	URR	101410560	transfer RNA valine (anticodon GAC)
SNP_55396B_361834	scaffold731	NW_004516125.1	361834	AA	GG	GG	URR	101410560	transfer RNA valine (anticodon GAC)
SNP_55397B_365644	scaffold731	NW_004516125.1	365644	CC	TT	TT	DRR	101510897	chloroplast envelope membrane protein
SNP_55398B_366011	scaffold731	NW_004516125.1	366011	TT	CC	CC	DRR	101510897	chloroplast envelope membrane protein
SNP_55399B_366051	scaffold731	NW_004516125.1	366051	TT	CC	CC	DRR	101510897	chloroplast envelope membrane protein
SNP_55401B_366126	scaffold731	NW_004516125.1	366126	GG	CC	CC	DRR	101510897	chloroplast envelope membrane protein
SNP_55402B_366156	scaffold731	NW_004516125.1	366156	AA	GG	GG	DRR	101510897	chloroplast envelope membrane protein
SNP_55403B_367380	scaffold731	NW_004516125.1	367380	AA	TT	TT	URR	101510897	chloroplast envelope membrane protein
SNP_55404B_369529	scaffold731	NW_004516125.1	369529	GG	AA	AA	DRR	101410596	transfer RNA arginine (anticodon ACG)
SNP_55405B_369646	scaffold731	NW_004516125.1	369646	TT	CC	CC	DRR	101511210	uncharacterized LOC101511210
SNP_55406B_369674	scaffold731	NW_004516125.1	369674	AA	GG	GG	DRR	101511210	uncharacterized LOC101511210
SNP_55407B_369686	scaffold731	NW_004516125.1	369686	CC	TT	TT	DRR	101511210	uncharacterized LOC101511210
SNP_55408B_369696	scaffold731	NW_004516125.1	369696	TT	CC	CC	DRR	101511210	uncharacterized LOC101511210
SNP_55409B_369697	scaffold731	NW_004516125.1	369697	TT	CC	CC	DRR	101511210	uncharacterized LOC101511210
SNP_55413B_390566	scaffold731	NW_004516125.1	390566	CC	AA	AA	URR	101512066	30S ribosomal protein S3, chloroplastic
SNP_55414B_391657	scaffold731	NW_004516125.1	391657	AA	GG	GG	URR	101512066	30S ribosomal protein S3, chloroplastic

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_55416B_15560	scaffold735	NW_004516127.1	15560	TT	CC	CC	INTERGENIC		
SNP_55417B_54213	scaffold735	NW_004516127.1	54213	CC	TT	TT	INTERGENIC		
SNP_55418B_54469	scaffold735	NW_004516127.1	54469	GG	AA	AA	INTERGENIC		
SNP_55419B_55473	scaffold735	NW_004516127.1	55473	AA	TT	TT	INTERGENIC		
SNP_55421B_70035	scaffold735	NW_004516127.1	70035	GG	AA	AA	INTERGENIC		
SNP_55422B_134846	scaffold735	NW_004516127.1	134846	AA	TT	TT	INTERGENIC		
SNP_55423B_150097	scaffold735	NW_004516127.1	150097	AA	CC	CC	INTERGENIC		
SNP_55424B_186893	scaffold735	NW_004516127.1	186893	TT	CC	CC	INTERGENIC		
SNP_55425B_187103	scaffold735	NW_004516127.1	187103	AA	GG	GG	INTERGENIC		
SNP_55426B_187182	scaffold735	NW_004516127.1	187182	CC	TT	TT	INTERGENIC		
SNP_55427B_187196	scaffold735	NW_004516127.1	187196	CC	TT	TT	INTERGENIC		
SNP_55428B_187213	scaffold735	NW_004516127.1	187213	GG	AA	AA	INTERGENIC		
SNP_55429B_187247	scaffold735	NW_004516127.1	187247	GG	AA	AA	INTERGENIC		
SNP_55430B_193843	scaffold735	NW_004516127.1	193843	CC	TT	TT	INTERGENIC		
SNP_55431B_1813	scaffold736	NW_004516128.1	1813	TT	GG	GG	INTERGENIC		
SNP_55432B_2093	scaffold737	NW_004516129.1	2093	AA	TT	TT	INTERGENIC		
SNP_55433B_127	scaffold738	NW_004516130.1	127	TT	CC	CC	INTERGENIC		
SNP_55434B_331	scaffold738	NW_004516130.1	331	AA	TT	TT	INTERGENIC		
SNP_55435B_442	scaffold738	NW_004516130.1	442	CC	TT	TT	INTERGENIC		
SNP_55436B_474	scaffold738	NW_004516130.1	474	GG	TT	TT	INTERGENIC		
SNP_55437B_578	scaffold738	NW_004516130.1	578	AA	GG	GG	INTERGENIC		
SNP_55439B_881	scaffold738	NW_004516130.1	881	AA	TT	TT	INTERGENIC		
SNP_55440B_895	scaffold738	NW_004516130.1	895	GG	TT	TT	INTERGENIC		
SNP_55441B_899	scaffold738	NW_004516130.1	899	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_55442B_980	scaffold738	NW_004516130.1	980	TT	CC	CC	INTERGENIC		
SNP_55443B_1010	scaffold738	NW_004516130.1	1010	CC	AA	AA	INTERGENIC		
SNP_55444B_1078	scaffold738	NW_004516130.1	1078	GG	CC	CC	INTERGENIC		
SNP_55445B_1586	scaffold738	NW_004516130.1	1586	GG	AA	AA	INTERGENIC		
SNP_55446B_2043	scaffold738	NW_004516130.1	2043	TT	CC	CC	INTERGENIC		
SNP_55447B_2120	scaffold738	NW_004516130.1	2120	GG	CC	CC	INTERGENIC		
SNP_55449B_2188	scaffold738	NW_004516130.1	2188	GG	AA	AA	INTERGENIC		
SNP_55450B_2400	scaffold738	NW_004516130.1	2400	TT	CC	CC	INTERGENIC		
SNP_55451B_2470	scaffold738	NW_004516130.1	2470	GG	AA	AA	INTERGENIC		
SNP_55452B_2498	scaffold738	NW_004516130.1	2498	TT	CC	CC	INTERGENIC		
SNP_55453B_4469	scaffold738	NW_004516130.1	4469	GG	AA	AA	INTERGENIC		
SNP_55454B_4569	scaffold738	NW_004516130.1	4569	TT	CC	CC	INTERGENIC		
SNP_55455B_4601	scaffold738	NW_004516130.1	4601	CC	TT	TT	INTERGENIC		
SNP_55456B_4846	scaffold738	NW_004516130.1	4846	AA	GG	GG	INTERGENIC		
SNP_55457B_4901	scaffold738	NW_004516130.1	4901	CC	TT	TT	INTERGENIC		
SNP_55458B_4924	scaffold738	NW_004516130.1	4924	AA	GG	GG	INTERGENIC		
SNP_55459B_4928	scaffold738	NW_004516130.1	4928	CC	AA	AA	INTERGENIC		
SNP_55460B_5045	scaffold738	NW_004516130.1	5045	TT	GG	GG	INTERGENIC		
SNP_55462B_5526	scaffold738	NW_004516130.1	5526	CC	TT	TT	INTERGENIC		
SNP_55463B_5803	scaffold738	NW_004516130.1	5803	GG	AA	AA	INTERGENIC		
SNP_55464B_6266	scaffold738	NW_004516130.1	6266	TT	GG	GG	INTERGENIC		
SNP_55465B_7621	scaffold738	NW_004516130.1	7621	AA	GG	GG	INTERGENIC		
SNP_55466B_7654	scaffold738	NW_004516130.1	7654	TT	AA	AA	INTERGENIC		
SNP_55467B_8708	scaffold738	NW_004516130.1	8708	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_55468B_8760	scaffold738	NW_004516130.1	8760	CC	GG	GG	INTERGENIC		
SNP_55469B_8877	scaffold738	NW_004516130.1	8877	TT	CC	CC	INTERGENIC		
SNP_55470B_8878	scaffold738	NW_004516130.1	8878	CC	TT	TT	INTERGENIC		
SNP_55471B_9158	scaffold738	NW_004516130.1	9158	TT	AA	AA	INTERGENIC		
SNP_55472B_9247	scaffold738	NW_004516130.1	9247	TT	CC	CC	INTERGENIC		
SNP_55473B_9265	scaffold738	NW_004516130.1	9265	AA	CC	CC	INTERGENIC		
SNP_55474B_9299	scaffold738	NW_004516130.1	9299	AA	GG	GG	INTERGENIC		
SNP_55475B_9404	scaffold738	NW_004516130.1	9404	CC	TT	TT	INTERGENIC		
SNP_55476B_9423	scaffold738	NW_004516130.1	9423	GG	CC	CC	INTERGENIC		
SNP_55477B_10825	scaffold738	NW_004516130.1	10825	AA	GG	GG	INTERGENIC		
SNP_55478B_10826	scaffold738	NW_004516130.1	10826	AA	GG	GG	INTERGENIC		
SNP_55479B_10840	scaffold738	NW_004516130.1	10840	AA	GG	GG	INTERGENIC		
SNP_55480B_10846	scaffold738	NW_004516130.1	10846	TT	AA	AA	INTERGENIC		
SNP_55481B_10851	scaffold738	NW_004516130.1	10851	CC	TT	TT	INTERGENIC		
SNP_55482B_11373	scaffold738	NW_004516130.1	11373	TT	GG	GG	INTERGENIC		
SNP_55483B_5162	scaffold739	NW_004516131.1	5162	TT	AA	AA	INTERGENIC		
SNP_55485B_3405	scaffold743	NW_004516135.1	3405	CC	TT	TT	INTERGENIC		
SNP_55486B_6866	scaffold743	NW_004516135.1	6866	TT	AA	AA	INTERGENIC		
SNP_55487B_9051	scaffold743	NW_004516135.1	9051	AA	TT	TT	INTERGENIC		
SNP_55488B_9414	scaffold743	NW_004516135.1	9414	CC	AA	AA	INTERGENIC		
SNP_55490B_13917	scaffold743	NW_004516135.1	13917	TT	GG	GG	INTERGENIC		
SNP_55492B_14284	scaffold743	NW_004516135.1	14284	TT	CC	CC	INTERGENIC		
SNP_55493B_1644	scaffold745	NW_004516136.1	1644	TT	CC	CC	INTERGENIC		
SNP_55495B_5501	scaffold746	NW_004516137.1	5501	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_55497B_2169	scaffold749	NW_004516138.1	2169	CC	TT	TT	INTERGENIC		
SNP_55498B_2449	scaffold749	NW_004516138.1	2449	GG	AA	AA	INTERGENIC		
SNP_55499B_4516	scaffold749	NW_004516138.1	4516	TT	GG	GG	INTERGENIC		
SNP_55501B_4746	scaffold749	NW_004516138.1	4746	TT	CC	CC	INTERGENIC		
SNP_55502B_4932	scaffold749	NW_004516138.1	4932	CC	TT	TT	INTERGENIC		
SNP_55503B_5011	scaffold749	NW_004516138.1	5011	AA	CC	CC	INTERGENIC		
SNP_55504B_5012	scaffold749	NW_004516138.1	5012	CC	AA	AA	INTERGENIC		
SNP_55505B_9167	scaffold749	NW_004516138.1	9167	TT	GG	GG	INTERGENIC		
SNP_55506B_13821	scaffold749	NW_004516138.1	13821	AA	GG	GG	INTERGENIC		
SNP_55507B_13903	scaffold749	NW_004516138.1	13903	CC	TT	TT	INTERGENIC		
SNP_55508B_13932	scaffold749	NW_004516138.1	13932	AA	CC	CC	INTERGENIC		
SNP_55509B_13961	scaffold749	NW_004516138.1	13961	TT	CC	CC	INTERGENIC		
SNP_55510B_13962	scaffold749	NW_004516138.1	13962	TT	AA	AA	INTERGENIC		
SNP_55511B_14036	scaffold749	NW_004516138.1	14036	AA	TT	TT	INTERGENIC		
SNP_55512B_14124	scaffold749	NW_004516138.1	14124	AA	GG	GG	INTERGENIC		
SNP_55513B_14131	scaffold749	NW_004516138.1	14131	AA	GG	GG	INTERGENIC		
SNP_55514B_14194	scaffold749	NW_004516138.1	14194	TT	AA	AA	INTERGENIC		
SNP_55515B_14203	scaffold749	NW_004516138.1	14203	GG	AA	AA	INTERGENIC		
SNP_55516B_14236	scaffold749	NW_004516138.1	14236	GG	AA	AA	INTERGENIC		
SNP_55517B_14283	scaffold749	NW_004516138.1	14283	TT	GG	GG	INTERGENIC		
SNP_55518B_14301	scaffold749	NW_004516138.1	14301	AA	CC	CC	INTERGENIC		
SNP_55519B_14305	scaffold749	NW_004516138.1	14305	TT	CC	CC	INTERGENIC		
SNP_55520B_14324	scaffold749	NW_004516138.1	14324	CC	TT	TT	INTERGENIC		
SNP_55521B_16414	scaffold749	NW_004516138.1	16414	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_55522B_29355	scaffold749	NW_004516138.1	29355	GG	AA	AA	INTERGENIC		
SNP_55523B_30294	scaffold749	NW_004516138.1	30294	TT	GG	GG	INTERGENIC		
SNP_55524B_35559	scaffold749	NW_004516138.1	35559	CC	TT	TT	INTERGENIC		
SNP_55525B_52808	scaffold749	NW_004516138.1	52808	GG	TT	TT	INTERGENIC		
SNP_55526B_59557	scaffold749	NW_004516138.1	59557	TT	GG	GG	INTERGENIC		
SNP_55527B_59673	scaffold749	NW_004516138.1	59673	TT	AA	AA	INTERGENIC		
SNP_55528B_59764	scaffold749	NW_004516138.1	59764	TT	AA	AA	INTERGENIC		
SNP_55529B_59862	scaffold749	NW_004516138.1	59862	TT	GG	GG	INTERGENIC		
SNP_55530B_60063	scaffold749	NW_004516138.1	60063	GG	AA	AA	INTERGENIC		
SNP_55531B_61388	scaffold749	NW_004516138.1	61388	CC	TT	TT	INTERGENIC		
SNP_55532B_10061	scaffold750	NW_004516139.1	10061	GG	TT	TT	INTERGENIC		
SNP_55533B_10474	scaffold750	NW_004516139.1	10474	TT	CC	CC	INTERGENIC		
SNP_55534B_19557	scaffold750	NW_004516139.1	19557	TT	GG	GG	INTERGENIC		
SNP_55535B_20154	scaffold750	NW_004516139.1	20154	TT	CC	CC	INTERGENIC		
SNP_55536B_30574	scaffold750	NW_004516139.1	30574	TT	CC	CC	INTERGENIC		
SNP_55537B_30677	scaffold750	NW_004516139.1	30677	TT	CC	CC	INTERGENIC		
SNP_55538B_30750	scaffold750	NW_004516139.1	30750	CC	AA	AA	INTERGENIC		
SNP_55539B_30811	scaffold750	NW_004516139.1	30811	CC	AA	AA	INTERGENIC		
SNP_55540B_30817	scaffold750	NW_004516139.1	30817	CC	TT	TT	INTERGENIC		
SNP_55541B_30819	scaffold750	NW_004516139.1	30819	AA	GG	GG	INTERGENIC		
SNP_55542B_30844	scaffold750	NW_004516139.1	30844	AA	TT	TT	INTERGENIC		
SNP_55543B_30886	scaffold750	NW_004516139.1	30886	AA	GG	GG	INTERGENIC		
SNP_55544B_31069	scaffold750	NW_004516139.1	31069	CC	TT	TT	INTERGENIC		
SNP_55545B_31086	scaffold750	NW_004516139.1	31086	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_55546B_31126	scaffold750	NW_004516139.1	31126	AA	GG	GG	INTERGENIC		
SNP_55547B_31525	scaffold750	NW_004516139.1	31525	AA	GG	GG	INTERGENIC		
SNP_55548B_31731	scaffold750	NW_004516139.1	31731	TT	GG	GG	INTERGENIC		
SNP_55549B_31752	scaffold750	NW_004516139.1	31752	CC	AA	AA	INTERGENIC		
SNP_55550B_31756	scaffold750	NW_004516139.1	31756	TT	CC	CC	INTERGENIC		
SNP_55551B_31797	scaffold750	NW_004516139.1	31797	TT	CC	CC	INTERGENIC		
SNP_55552B_31817	scaffold750	NW_004516139.1	31817	AA	TT	TT	INTERGENIC		
SNP_55554B_31899	scaffold750	NW_004516139.1	31899	AA	GG	GG	INTERGENIC		
SNP_55555B_31981	scaffold750	NW_004516139.1	31981	CC	TT	TT	INTERGENIC		
SNP_55556B_32003	scaffold750	NW_004516139.1	32003	AA	GG	GG	INTERGENIC		
SNP_55557B_32040	scaffold750	NW_004516139.1	32040	TT	AA	AA	INTERGENIC		
SNP_55558B_32347	scaffold750	NW_004516139.1	32347	TT	AA	AA	INTERGENIC		
SNP_55559B_32349	scaffold750	NW_004516139.1	32349	TT	AA	AA	INTERGENIC		
SNP_55560B_32355	scaffold750	NW_004516139.1	32355	TT	GG	GG	INTERGENIC		
SNP_55561B_32369	scaffold750	NW_004516139.1	32369	AA	CC	CC	INTERGENIC		
SNP_55562B_32425	scaffold750	NW_004516139.1	32425	TT	CC	CC	INTERGENIC		
SNP_55563B_33068	scaffold750	NW_004516139.1	33068	GG	TT	TT	INTERGENIC		
SNP_55564B_33082	scaffold750	NW_004516139.1	33082	AA	GG	GG	INTERGENIC		
SNP_55565B_33106	scaffold750	NW_004516139.1	33106	AA	CC	CC	INTERGENIC		
SNP_55566B_33205	scaffold750	NW_004516139.1	33205	GG	AA	AA	INTERGENIC		
SNP_55567B_33337	scaffold750	NW_004516139.1	33337	TT	AA	AA	INTERGENIC		
SNP_55568B_33352	scaffold750	NW_004516139.1	33352	AA	GG	GG	INTERGENIC		
SNP_55569B_33356	scaffold750	NW_004516139.1	33356	AA	TT	TT	INTERGENIC		
SNP_55570B_33602	scaffold750	NW_004516139.1	33602	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_55571B_33646	scaffold750	NW_004516139.1	33646	TT	CC	CC	INTERGENIC		
SNP_55572B_33667	scaffold750	NW_004516139.1	33667	GG	AA	AA	INTERGENIC		
SNP_55573B_33760	scaffold750	NW_004516139.1	33760	GG	CC	CC	INTERGENIC		
SNP_55574B_33960	scaffold750	NW_004516139.1	33960	AA	TT	TT	INTERGENIC		
SNP_55575B_33997	scaffold750	NW_004516139.1	33997	GG	TT	TT	INTERGENIC		
SNP_55576B_34018	scaffold750	NW_004516139.1	34018	GG	AA	AA	INTERGENIC		
SNP_55577B_34023	scaffold750	NW_004516139.1	34023	TT	CC	CC	INTERGENIC		
SNP_55578B_34065	scaffold750	NW_004516139.1	34065	AA	GG	GG	INTERGENIC		
SNP_55579B_34117	scaffold750	NW_004516139.1	34117	CC	AA	AA	INTERGENIC		
SNP_55580B_34187	scaffold750	NW_004516139.1	34187	GG	AA	AA	INTERGENIC		
SNP_55581B_34264	scaffold750	NW_004516139.1	34264	TT	GG	GG	INTERGENIC		
SNP_55582B_34357	scaffold750	NW_004516139.1	34357	GG	TT	TT	INTERGENIC		
SNP_55583B_34489	scaffold750	NW_004516139.1	34489	AA	GG	GG	INTERGENIC		
SNP_55584B_34576	scaffold750	NW_004516139.1	34576	CC	TT	TT	INTERGENIC		
SNP_55585B_34628	scaffold750	NW_004516139.1	34628	GG	AA	AA	INTERGENIC		
SNP_55586B_34650	scaffold750	NW_004516139.1	34650	GG	AA	AA	INTERGENIC		
SNP_55587B_34685	scaffold750	NW_004516139.1	34685	GG	AA	AA	INTERGENIC		
SNP_55588B_34754	scaffold750	NW_004516139.1	34754	TT	AA	AA	INTERGENIC		
SNP_55589B_34787	scaffold750	NW_004516139.1	34787	TT	CC	CC	INTERGENIC		
SNP_55590B_34792	scaffold750	NW_004516139.1	34792	CC	TT	TT	INTERGENIC		
SNP_55591B_34939	scaffold750	NW_004516139.1	34939	TT	CC	CC	INTERGENIC		
SNP_55592B_34955	scaffold750	NW_004516139.1	34955	TT	CC	CC	INTERGENIC		
SNP_55593B_34966	scaffold750	NW_004516139.1	34966	CC	GG	GG	INTERGENIC		
SNP_55594B_34985	scaffold750	NW_004516139.1	34985	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_55595B_34987	scaffold750	NW_004516139.1	34987	TT	CC	CC	INTERGENIC		
SNP_55596B_34998	scaffold750	NW_004516139.1	34998	AA	GG	GG	INTERGENIC		
SNP_55597B_35039	scaffold750	NW_004516139.1	35039	AA	GG	GG	INTERGENIC		
SNP_55598B_35045	scaffold750	NW_004516139.1	35045	GG	TT	TT	INTERGENIC		
SNP_55599B_35052	scaffold750	NW_004516139.1	35052	CC	GG	GG	INTERGENIC		
SNP_55600B_35061	scaffold750	NW_004516139.1	35061	CC	TT	TT	INTERGENIC		
SNP_55601B_35093	scaffold750	NW_004516139.1	35093	TT	AA	AA	INTERGENIC		
SNP_55602B_35125	scaffold750	NW_004516139.1	35125	AA	TT	TT	INTERGENIC		
SNP_55603B_36796	scaffold750	NW_004516139.1	36796	TT	CC	CC	INTERGENIC		
SNP_55604B_36923	scaffold750	NW_004516139.1	36923	AA	TT	TT	INTERGENIC		
SNP_55605B_36925	scaffold750	NW_004516139.1	36925	GG	AA	AA	INTERGENIC		
SNP_55606B_36930	scaffold750	NW_004516139.1	36930	GG	AA	AA	INTERGENIC		
SNP_55607B_36933	scaffold750	NW_004516139.1	36933	TT	CC	CC	INTERGENIC		
SNP_55608B_36935	scaffold750	NW_004516139.1	36935	GG	AA	AA	INTERGENIC		
SNP_55609B_36986	scaffold750	NW_004516139.1	36986	CC	TT	TT	INTERGENIC		
SNP_55610B_37036	scaffold750	NW_004516139.1	37036	AA	GG	GG	INTERGENIC		
SNP_55611B_37051	scaffold750	NW_004516139.1	37051	AA	GG	GG	INTERGENIC		
SNP_55612B_37062	scaffold750	NW_004516139.1	37062	GG	TT	TT	INTERGENIC		
SNP_55613B_37106	scaffold750	NW_004516139.1	37106	AA	GG	GG	INTERGENIC		
SNP_55614B_37158	scaffold750	NW_004516139.1	37158	TT	GG	GG	INTERGENIC		
SNP_55615B_37232	scaffold750	NW_004516139.1	37232	GG	AA	AA	INTERGENIC		
SNP_55616B_37392	scaffold750	NW_004516139.1	37392	GG	AA	AA	INTERGENIC		
SNP_55617B_37593	scaffold750	NW_004516139.1	37593	AA	TT	TT	INTERGENIC		
SNP_55618B_37599	scaffold750	NW_004516139.1	37599	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_55619B_37600	scaffold750	NW_004516139.1	37600	GG	TT	TT	INTERGENIC		
SNP_55620B_37601	scaffold750	NW_004516139.1	37601	TT	CC	CC	INTERGENIC		
SNP_55621B_37602	scaffold750	NW_004516139.1	37602	CC	TT	TT	INTERGENIC		
SNP_55622B_37649	scaffold750	NW_004516139.1	37649	AA	CC	CC	INTERGENIC		
SNP_55623B_37727	scaffold750	NW_004516139.1	37727	GG	TT	TT	INTERGENIC		
SNP_55624B_38090	scaffold750	NW_004516139.1	38090	CC	TT	TT	INTERGENIC		
SNP_55625B_38354	scaffold750	NW_004516139.1	38354	CC	TT	TT	INTERGENIC		
SNP_55626B_38374	scaffold750	NW_004516139.1	38374	AA	GG	GG	INTERGENIC		
SNP_55627B_38431	scaffold750	NW_004516139.1	38431	GG	TT	TT	INTERGENIC		
SNP_55628B_38462	scaffold750	NW_004516139.1	38462	AA	TT	TT	INTERGENIC		
SNP_55629B_38496	scaffold750	NW_004516139.1	38496	TT	AA	AA	INTERGENIC		
SNP_55630B_38573	scaffold750	NW_004516139.1	38573	GG	TT	TT	INTERGENIC		
SNP_55631B_38648	scaffold750	NW_004516139.1	38648	TT	CC	CC	INTERGENIC		
SNP_55632B_38663	scaffold750	NW_004516139.1	38663	GG	TT	TT	INTERGENIC		
SNP_55633B_38666	scaffold750	NW_004516139.1	38666	GG	AA	AA	INTERGENIC		
SNP_55634B_38757	scaffold750	NW_004516139.1	38757	TT	AA	AA	INTERGENIC		
SNP_55635B_38839	scaffold750	NW_004516139.1	38839	AA	CC	CC	INTERGENIC		
SNP_55636B_38932	scaffold750	NW_004516139.1	38932	AA	CC	CC	INTERGENIC		
SNP_55637B_38934	scaffold750	NW_004516139.1	38934	GG	TT	TT	INTERGENIC		
SNP_55639B_39195	scaffold750	NW_004516139.1	39195	TT	AA	AA	INTERGENIC		
SNP_55640B_39201	scaffold750	NW_004516139.1	39201	AA	CC	CC	INTERGENIC		
SNP_55641B_39214	scaffold750	NW_004516139.1	39214	TT	CC	CC	INTERGENIC		
SNP_55642B_39224	scaffold750	NW_004516139.1	39224	AA	TT	TT	INTERGENIC		
SNP_55643B_39263	scaffold750	NW_004516139.1	39263	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_55644B_39270	scaffold750	NW_004516139.1	39270	CC	GG	GG	INTERGENIC		
SNP_55645B_39296	scaffold750	NW_004516139.1	39296	GG	TT	TT	INTERGENIC		
SNP_55646B_39304	scaffold750	NW_004516139.1	39304	CC	AA	AA	INTERGENIC		
SNP_55647B_39597	scaffold750	NW_004516139.1	39597	GG	TT	TT	INTERGENIC		
SNP_55648B_44526	scaffold750	NW_004516139.1	44526	GG	AA	AA	INTERGENIC		
SNP_55649B_58238	scaffold750	NW_004516139.1	58238	CC	GG	GG	INTERGENIC		
SNP_55650B_58243	scaffold750	NW_004516139.1	58243	GG	CC	CC	INTERGENIC		
SNP_55651B_58352	scaffold750	NW_004516139.1	58352	TT	CC	CC	INTERGENIC		
SNP_55652B_58526	scaffold750	NW_004516139.1	58526	CC	GG	GG	INTERGENIC		
SNP_55653B_58541	scaffold750	NW_004516139.1	58541	GG	AA	AA	INTERGENIC		
SNP_55654B_58562	scaffold750	NW_004516139.1	58562	CC	TT	TT	INTERGENIC		
SNP_55655B_58887	scaffold750	NW_004516139.1	58887	TT	GG	GG	INTERGENIC		
SNP_55656B_58906	scaffold750	NW_004516139.1	58906	TT	CC	CC	INTERGENIC		
SNP_55658B_59118	scaffold750	NW_004516139.1	59118	CC	GG	GG	INTERGENIC		
SNP_55659B_59203	scaffold750	NW_004516139.1	59203	GG	AA	AA	INTERGENIC		
SNP_55660B_59212	scaffold750	NW_004516139.1	59212	CC	GG	GG	INTERGENIC		
SNP_55661B_59314	scaffold750	NW_004516139.1	59314	TT	AA	AA	INTERGENIC		
SNP_55662B_59453	scaffold750	NW_004516139.1	59453	GG	TT	TT	INTERGENIC		
SNP_55663B_59530	scaffold750	NW_004516139.1	59530	GG	TT	TT	INTERGENIC		
SNP_55664B_59877	scaffold750	NW_004516139.1	59877	GG	TT	TT	INTERGENIC		
SNP_55665B_59917	scaffold750	NW_004516139.1	59917	TT	AA	AA	INTERGENIC		
SNP_55666B_60010	scaffold750	NW_004516139.1	60010	GG	TT	TT	INTERGENIC		
SNP_55667B_60066	scaffold750	NW_004516139.1	60066	CC	TT	TT	INTERGENIC		
SNP_55668B_60075	scaffold750	NW_004516139.1	60075	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_55669B_60092	scaffold750	NW_004516139.1	60092	CC	AA	AA	INTERGENIC		
SNP_55670B_60131	scaffold750	NW_004516139.1	60131	GG	TT	TT	INTERGENIC		
SNP_55671B_60161	scaffold750	NW_004516139.1	60161	CC	TT	TT	INTERGENIC		
SNP_55672B_69057	scaffold750	NW_004516139.1	69057	AA	GG	GG	INTERGENIC		
SNP_55673B_69063	scaffold750	NW_004516139.1	69063	AA	CC	CC	INTERGENIC		
SNP_55674B_84816	scaffold750	NW_004516139.1	84816	AA	GG	GG	INTERGENIC		
SNP_55675B_106550	scaffold750	NW_004516139.1	106550	AA	CC	CC	INTERGENIC		
SNP_55677B_106922	scaffold750	NW_004516139.1	106922	TT	CC	CC	INTERGENIC		
SNP_55678B_158900	scaffold750	NW_004516139.1	158900	CC	TT	TT	INTERGENIC		
SNP_55679B_158903	scaffold750	NW_004516139.1	158903	GG	AA	AA	INTERGENIC		
SNP_55680B_158932	scaffold750	NW_004516139.1	158932	TT	GG	GG	INTERGENIC		
SNP_55681B_185311	scaffold750	NW_004516139.1	185311	TT	CC	CC	INTERGENIC		
SNP_55682B_190485	scaffold750	NW_004516139.1	190485	AA	GG	GG	INTERGENIC		
SNP_55683B_190499	scaffold750	NW_004516139.1	190499	TT	CC	CC	INTERGENIC		
SNP_55684B_190518	scaffold750	NW_004516139.1	190518	AA	TT	TT	INTERGENIC		
SNP_55685B_190521	scaffold750	NW_004516139.1	190521	AA	GG	GG	INTERGENIC		
SNP_55687B_190862	scaffold750	NW_004516139.1	190862	AA	GG	GG	INTERGENIC		
SNP_55688B_243198	scaffold750	NW_004516139.1	243198	TT	CC	CC	INTERGENIC		
SNP_55689B_243212	scaffold750	NW_004516139.1	243212	AA	TT	TT	INTERGENIC		
SNP_55690B_245636	scaffold750	NW_004516139.1	245636	GG	AA	AA	INTERGENIC		
SNP_55691B_256926	scaffold750	NW_004516139.1	256926	TT	CC	CC	INTERGENIC		
SNP_55692B_257249	scaffold750	NW_004516139.1	257249	TT	CC	CC	INTERGENIC		
SNP_55693B_258258	scaffold750	NW_004516139.1	258258	TT	AA	AA	INTERGENIC		
SNP_55694B_268839	scaffold750	NW_004516139.1	268839	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_55695B_268861	scaffold750	NW_004516139.1	268861	TT	CC	CC	INTERGENIC		
SNP_55696B_268882	scaffold750	NW_004516139.1	268882	TT	CC	CC	INTERGENIC		
SNP_55697B_272048	scaffold750	NW_004516139.1	272048	TT	AA	AA	INTERGENIC		
SNP_55698B_360252	scaffold750	NW_004516139.1	360252	CC	TT	TT	INTERGENIC		
SNP_55700B_360503	scaffold750	NW_004516139.1	360503	TT	CC	CC	INTERGENIC		
SNP_55701B_360521	scaffold750	NW_004516139.1	360521	AA	TT	TT	INTERGENIC		
SNP_55702B_360544	scaffold750	NW_004516139.1	360544	AA	TT	TT	INTERGENIC		
SNP_55703B_360560	scaffold750	NW_004516139.1	360560	AA	CC	CC	INTERGENIC		
SNP_55704B_360623	scaffold750	NW_004516139.1	360623	GG	AA	AA	INTERGENIC		
SNP_55705B_360629	scaffold750	NW_004516139.1	360629	GG	TT	TT	INTERGENIC		
SNP_55706B_360630	scaffold750	NW_004516139.1	360630	CC	AA	AA	INTERGENIC		
SNP_55707B_362244	scaffold750	NW_004516139.1	362244	AA	GG	GG	INTERGENIC		
SNP_55708B_362276	scaffold750	NW_004516139.1	362276	TT	CC	CC	INTERGENIC		
SNP_55709B_362293	scaffold750	NW_004516139.1	362293	TT	GG	GG	INTERGENIC		
SNP_55710B_362295	scaffold750	NW_004516139.1	362295	TT	AA	AA	INTERGENIC		
SNP_55711B_362321	scaffold750	NW_004516139.1	362321	TT	AA	AA	INTERGENIC		
SNP_55712B_362349	scaffold750	NW_004516139.1	362349	CC	TT	TT	INTERGENIC		
SNP_55713B_50188	scaffold752	NW_004516140.1	50188	GG	AA	AA	INTERGENIC		
SNP_55714B_50482	scaffold752	NW_004516140.1	50482	AA	GG	GG	INTERGENIC		
SNP_55715B_50581	scaffold752	NW_004516140.1	50581	GG	AA	AA	INTERGENIC		
SNP_55716B_50611	scaffold752	NW_004516140.1	50611	AA	CC	CC	INTERGENIC		
SNP_55717B_50640	scaffold752	NW_004516140.1	50640	AA	TT	TT	INTERGENIC		
SNP_55718B_99166	scaffold752	NW_004516140.1	99166	GG	AA	AA	INTERGENIC		
SNP_55719B_99199	scaffold752	NW_004516140.1	99199	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_55720B_99231	scaffold752	NW_004516140.1	99231	AA	GG	GG	INTERGENIC		
SNP_55721B_119058	scaffold752	NW_004516140.1	119058	CC	TT	TT	INTERGENIC		
SNP_55722B_137967	scaffold752	NW_004516140.1	137967	TT	CC	CC	INTERGENIC		
SNP_55723B_137990	scaffold752	NW_004516140.1	137990	AA	GG	GG	INTERGENIC		
SNP_55724B_138011	scaffold752	NW_004516140.1	138011	GG	AA	AA	INTERGENIC		
SNP_55725B_150442	scaffold752	NW_004516140.1	150442	AA	GG	GG	DRR	101492745	uncharacterized LOC101492745
SNP_55726B_227807	scaffold752	NW_004516140.1	227807	AA	CC	CC	INTERGENIC		
SNP_55727B_231077	scaffold752	NW_004516140.1	231077	CC	GG	GG	INTERGENIC		
SNP_55728B_231220	scaffold752	NW_004516140.1	231220	AA	GG	GG	INTERGENIC		
SNP_55729B_231238	scaffold752	NW_004516140.1	231238	GG	AA	AA	INTERGENIC		
SNP_55730B_231259	scaffold752	NW_004516140.1	231259	AA	GG	GG	INTERGENIC		
SNP_55731B_231264	scaffold752	NW_004516140.1	231264	AA	GG	GG	INTERGENIC		
SNP_55732B_231289	scaffold752	NW_004516140.1	231289	TT	CC	CC	INTERGENIC		
SNP_55733B_231458	scaffold752	NW_004516140.1	231458	TT	CC	CC	INTERGENIC		
SNP_55734B_231477	scaffold752	NW_004516140.1	231477	CC	TT	TT	INTERGENIC		
SNP_55735B_231484	scaffold752	NW_004516140.1	231484	AA	CC	CC	INTERGENIC		
SNP_55736B_231499	scaffold752	NW_004516140.1	231499	TT	GG	GG	INTERGENIC		
SNP_55737B_231500	scaffold752	NW_004516140.1	231500	AA	GG	GG	INTERGENIC		
SNP_55738B_231509	scaffold752	NW_004516140.1	231509	GG	AA	AA	INTERGENIC		
SNP_55739B_231542	scaffold752	NW_004516140.1	231542	GG	AA	AA	INTERGENIC		
SNP_55740B_231554	scaffold752	NW_004516140.1	231554	AA	GG	GG	INTERGENIC		
SNP_55741B_231611	scaffold752	NW_004516140.1	231611	GG	AA	AA	INTERGENIC		
SNP_55743B_269485	scaffold752	NW_004516140.1	269485	TT	CC	CC	INTERGENIC		
SNP_55745B_269644	scaffold752	NW_004516140.1	269644	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_55746B_269712	scaffold752	NW_004516140.1	269712	AA	GG	GG	INTERGENIC		
SNP_55747B_269932	scaffold752	NW_004516140.1	269932	GG	AA	AA	DRR	101494770	Unknown function
SNP_55748B_293949	scaffold752	NW_004516140.1	293949	GG	AA	AA	URR	101495102	uncharacterized LOC101495102
SNP_55749B_294033	scaffold752	NW_004516140.1	294033	CC	AA	AA	URR	101495102	uncharacterized LOC101495102
SNP_55750B_369624	scaffold752	NW_004516140.1	369624	GG	CC	CC	INTRON	101493298	phosphoglucan phosphatase LSF1, chloroplastic
SNP_55751B_449129	scaffold752	NW_004516140.1	449129	GG	AA	AA	INTERGENIC		
SNP_55752B_505027	scaffold752	NW_004516140.1	505027	CC	TT	TT	INTERGENIC		
SNP_55753B_505082	scaffold752	NW_004516140.1	505082	GG	CC	CC	INTERGENIC		
SNP_55754B_505096	scaffold752	NW_004516140.1	505096	CC	TT	TT	INTERGENIC		
SNP_55756B_505290	scaffold752	NW_004516140.1	505290	AA	GG	GG	INTERGENIC		
SNP_55757B_505401	scaffold752	NW_004516140.1	505401	AA	CC	CC	INTERGENIC		
SNP_55758B_84324	scaffold753	NW_004516141.1	84324	TT	CC	CC	INTERGENIC		
SNP_55759B_84329	scaffold753	NW_004516141.1	84329	TT	GG	GG	INTERGENIC		
SNP_55760B_84341	scaffold753	NW_004516141.1	84341	AA	GG	GG	INTERGENIC		
SNP_55761B_84356	scaffold753	NW_004516141.1	84356	AA	CC	CC	INTERGENIC		
SNP_55762B_84387	scaffold753	NW_004516141.1	84387	AA	CC	CC	INTERGENIC		
SNP_55763B_84403	scaffold753	NW_004516141.1	84403	AA	GG	GG	INTERGENIC		
SNP_55764B_84406	scaffold753	NW_004516141.1	84406	TT	CC	CC	INTERGENIC		
SNP_55765B_118106	scaffold753	NW_004516141.1	118106	CC	TT	TT	INTERGENIC		
SNP_55766B_123070	scaffold753	NW_004516141.1	123070	CC	TT	TT	INTERGENIC		
SNP_55767B_123085	scaffold753	NW_004516141.1	123085	GG	AA	AA	INTERGENIC		
SNP_55768B_123100	scaffold753	NW_004516141.1	123100	TT	CC	CC	INTERGENIC		
SNP_55769B_150068	scaffold753	NW_004516141.1	150068	AA	TT	TT	INTRON	101498377	(Z)-3-hexen-1-ol acetyltransferase-like
SNP_55770B_150759	scaffold753	NW_004516141.1	150759	AA	GG	GG	SYNONYMOUS_CODING	101498377	(Z)-3-hexen-1-ol acetyltransferase-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_55771B_228714	scaffold753	NW_004516141.1	228714	AA	GG	GG	INTERGENIC		
SNP_55772B_228884	scaffold753	NW_004516141.1	228884	TT	CC	CC	INTERGENIC		
SNP_55773B_229213	scaffold753	NW_004516141.1	229213	CC	TT	TT	INTERGENIC		
SNP_55774B_229273	scaffold753	NW_004516141.1	229273	CC	TT	TT	INTERGENIC		
SNP_55775B_276256	scaffold753	NW_004516141.1	276256	AA	CC	CC	INTERGENIC		
SNP_55776B_15354	scaffold754	NW_004516142.1	15354	AA	GG	GG	INTERGENIC		
SNP_55777B_25731	scaffold754	NW_004516142.1	25731	GG	AA	AA	INTERGENIC		
SNP_55778B_25734	scaffold754	NW_004516142.1	25734	TT	GG	GG	INTERGENIC		
SNP_55779B_72824	scaffold757	NW_004516144.1	72824	CC	TT	TT	INTERGENIC		
SNP_55780B_72867	scaffold757	NW_004516144.1	72867	AA	GG	GG	INTERGENIC		
SNP_55781B_72937	scaffold757	NW_004516144.1	72937	GG	AA	AA	INTERGENIC		
SNP_55782B_72988	scaffold757	NW_004516144.1	72988	GG	AA	AA	INTERGENIC		
SNP_55783B_73004	scaffold757	NW_004516144.1	73004	GG	AA	AA	INTERGENIC		
SNP_55784B_73122	scaffold757	NW_004516144.1	73122	AA	GG	GG	INTERGENIC		
SNP_55785B_73123	scaffold757	NW_004516144.1	73123	AA	GG	GG	INTERGENIC		
SNP_55786B_2130	scaffold758	NW_004516145.1	2130	TT	CC	CC	INTERGENIC		
SNP_55788B_11072	scaffold758	NW_004516145.1	11072	GG	TT	TT	INTERGENIC		
SNP_55789B_11096	scaffold758	NW_004516145.1	11096	GG	TT	TT	INTERGENIC		
SNP_55790B_12009	scaffold758	NW_004516145.1	12009	CC	GG	GG	INTERGENIC		
SNP_55791B_12017	scaffold758	NW_004516145.1	12017	AA	TT	TT	INTERGENIC		
SNP_55792B_12604	scaffold758	NW_004516145.1	12604	AA	GG	GG	INTERGENIC		
SNP_55793B_13233	scaffold758	NW_004516145.1	13233	GG	AA	AA	INTERGENIC		
SNP_55795B_19559	scaffold758	NW_004516145.1	19559	TT	GG	GG	INTERGENIC		
SNP_55796B_22138	scaffold758	NW_004516145.1	22138	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_55797B_22392	scaffold758	NW_004516145.1	22392	CC	TT	TT	INTERGENIC		
SNP_55798B_22606	scaffold758	NW_004516145.1	22606	TT	CC	CC	INTERGENIC		
SNP_55799B_22623	scaffold758	NW_004516145.1	22623	TT	CC	CC	INTERGENIC		
SNP_55800B_22627	scaffold758	NW_004516145.1	22627	AA	CC	CC	INTERGENIC		
SNP_55801B_22631	scaffold758	NW_004516145.1	22631	AA	GG	GG	INTERGENIC		
SNP_55802B_54342	scaffold758	NW_004516145.1	54342	GG	AA	AA	INTERGENIC		
SNP_55803B_60470	scaffold758	NW_004516145.1	60470	AA	GG	GG	SYNONYMOUS_CODING	101499245	Unknown function
SNP_55804B_116324	scaffold758	NW_004516145.1	116324	TT	CC	CC	INTERGENIC		
SNP_55805B_116460	scaffold758	NW_004516145.1	116460	GG	AA	AA	INTERGENIC		
SNP_55806B_116511	scaffold758	NW_004516145.1	116511	GG	CC	CC	INTERGENIC		
SNP_55807B_119608	scaffold758	NW_004516145.1	119608	CC	TT	TT	INTERGENIC		
SNP_55808B_119828	scaffold758	NW_004516145.1	119828	TT	CC	CC	INTERGENIC		
SNP_55809B_119834	scaffold758	NW_004516145.1	119834	TT	CC	CC	INTERGENIC		
SNP_55810B_120004	scaffold758	NW_004516145.1	120004	AA	GG	GG	INTERGENIC		
SNP_55811B_120057	scaffold758	NW_004516145.1	120057	AA	GG	GG	INTERGENIC		
SNP_55812B_6113	scaffold759	NW_004516146.1	6113	TT	GG	GG	INTERGENIC		
SNP_55813B_6120	scaffold759	NW_004516146.1	6120	CC	TT	TT	INTERGENIC		
SNP_55814B_6122	scaffold759	NW_004516146.1	6122	CC	TT	TT	INTERGENIC		
SNP_55815B_6193	scaffold759	NW_004516146.1	6193	AA	CC	CC	INTERGENIC		
SNP_55816B_6250	scaffold759	NW_004516146.1	6250	AA	CC	CC	INTERGENIC		
SNP_55817B_6921	scaffold759	NW_004516146.1	6921	TT	CC	CC	INTERGENIC		
SNP_55818B_6998	scaffold759	NW_004516146.1	6998	GG	AA	AA	INTERGENIC		
SNP_55819B_7066	scaffold759	NW_004516146.1	7066	AA	CC	CC	INTERGENIC		
SNP_55820B_7185	scaffold759	NW_004516146.1	7185	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_55821B_7261	scaffold759	NW_004516146.1	7261	GG	AA	AA	INTERGENIC		
SNP_55822B_7297	scaffold759	NW_004516146.1	7297	TT	CC	CC	INTERGENIC		
SNP_55823B_7336	scaffold759	NW_004516146.1	7336	TT	CC	CC	INTERGENIC		
SNP_55824B_7369	scaffold759	NW_004516146.1	7369	GG	AA	AA	INTERGENIC		
SNP_55825B_66810	scaffold759	NW_004516146.1	66810	AA	GG	GG	INTERGENIC		
SNP_55826B_66981	scaffold759	NW_004516146.1	66981	AA	TT	TT	INTERGENIC		
SNP_55827B_77069	scaffold759	NW_004516146.1	77069	AA	GG	GG	INTERGENIC		
SNP_55828B_77203	scaffold759	NW_004516146.1	77203	AA	TT	TT	INTERGENIC		
SNP_55829B_138600	scaffold759	NW_004516146.1	138600	AA	GG	GG	INTERGENIC		
SNP_55830B_138619	scaffold759	NW_004516146.1	138619	AA	TT	TT	INTERGENIC		
SNP_55831B_139753	scaffold759	NW_004516146.1	139753	CC	TT	TT	INTERGENIC		
SNP_55832B_139958	scaffold759	NW_004516146.1	139958	GG	TT	TT	INTERGENIC		
SNP_55833B_485	scaffold760	NW_004516147.1	485	AA	GG	GG	INTERGENIC		
SNP_55834B_8630	scaffold760	NW_004516147.1	8630	GG	AA	AA	INTERGENIC		
SNP_55835B_8683	scaffold760	NW_004516147.1	8683	CC	GG	GG	INTERGENIC		
SNP_55836B_8968	scaffold760	NW_004516147.1	8968	GG	CC	CC	INTERGENIC		
SNP_55837B_11258	scaffold760	NW_004516147.1	11258	AA	GG	GG	INTERGENIC		
SNP_55838B_11261	scaffold760	NW_004516147.1	11261	CC	TT	TT	INTERGENIC		
SNP_55839B_11642	scaffold760	NW_004516147.1	11642	GG	TT	TT	INTERGENIC		
SNP_55840B_12520	scaffold760	NW_004516147.1	12520	GG	AA	AA	INTERGENIC		
SNP_55841B_12660	scaffold760	NW_004516147.1	12660	AA	GG	GG	INTERGENIC		
SNP_55842B_12846	scaffold760	NW_004516147.1	12846	TT	AA	AA	INTERGENIC		
SNP_55843B_12850	scaffold760	NW_004516147.1	12850	CC	GG	GG	INTERGENIC		
SNP_55844B_13033	scaffold760	NW_004516147.1	13033	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_55845B_13074	scaffold760	NW_004516147.1	13074	AA	GG	GG	INTERGENIC		
SNP_55846B_16047	scaffold760	NW_004516147.1	16047	CC	TT	TT	INTERGENIC		
SNP_55847B_16056	scaffold760	NW_004516147.1	16056	GG	TT	TT	INTERGENIC		
SNP_55848B_16076	scaffold760	NW_004516147.1	16076	CC	GG	GG	INTERGENIC		
SNP_55849B_16151	scaffold760	NW_004516147.1	16151	CC	TT	TT	INTERGENIC		
SNP_55850B_2912	scaffold766	NW_004516151.1	2912	CC	TT	TT	INTERGENIC		
SNP_55851B_2925	scaffold766	NW_004516151.1	2925	TT	CC	CC	INTERGENIC		
SNP_55852B_3199	scaffold766	NW_004516151.1	3199	GG	AA	AA	INTERGENIC		
SNP_55853B_3257	scaffold766	NW_004516151.1	3257	AA	GG	GG	INTERGENIC		
SNP_55854B_3289	scaffold766	NW_004516151.1	3289	GG	AA	AA	INTERGENIC		
SNP_55855B_4491	scaffold766	NW_004516151.1	4491	AA	TT	TT	INTERGENIC		
SNP_55856B_4924	scaffold766	NW_004516151.1	4924	TT	AA	AA	INTERGENIC		
SNP_55857B_4925	scaffold766	NW_004516151.1	4925	TT	CC	CC	INTERGENIC		
SNP_55858B_5177	scaffold766	NW_004516151.1	5177	TT	GG	GG	INTERGENIC		
SNP_55859B_5473	scaffold766	NW_004516151.1	5473	AA	TT	TT	INTERGENIC		
SNP_55860B_27448	scaffold766	NW_004516151.1	27448	TT	CC	CC	INTERGENIC		
SNP_55861B_27539	scaffold766	NW_004516151.1	27539	GG	TT	TT	INTERGENIC		
SNP_55862B_144810	scaffold766	NW_004516151.1	144810	AA	CC	CC	URR	101500833	uncharacterized LOC101500833
SNP_55863B_188534	scaffold766	NW_004516151.1	188534	AA	GG	GG	INTERGENIC		
SNP_55864B_189853	scaffold766	NW_004516151.1	189853	TT	CC	CC	INTERGENIC		
SNP_55865B_189902	scaffold766	NW_004516151.1	189902	TT	CC	CC	INTERGENIC		
SNP_55866B_200331	scaffold766	NW_004516151.1	200331	TT	CC	CC	INTERGENIC		
SNP_55867B_214790	scaffold766	NW_004516151.1	214790	AA	CC	CC	INTERGENIC		
SNP_55868B_214957	scaffold766	NW_004516151.1	214957	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_55869B_243503	scaffold766	NW_004516151.1	243503	AA	TT	TT	INTERGENIC		
SNP_55871B_243854	scaffold766	NW_004516151.1	243854	AA	GG	GG	INTERGENIC		
SNP_55872B_243954	scaffold766	NW_004516151.1	243954	GG	AA	AA	INTERGENIC		
SNP_55873B_268899	scaffold766	NW_004516151.1	268899	TT	GG	GG	INTERGENIC		
SNP_55874B_268920	scaffold766	NW_004516151.1	268920	AA	GG	GG	INTERGENIC		
SNP_55875B_269199	scaffold766	NW_004516151.1	269199	TT	AA	AA	INTERGENIC		
SNP_55876B_269203	scaffold766	NW_004516151.1	269203	GG	AA	AA	INTERGENIC		
SNP_55877B_269243	scaffold766	NW_004516151.1	269243	CC	TT	TT	INTERGENIC		
SNP_55878B_272941	scaffold766	NW_004516151.1	272941	CC	TT	TT	INTERGENIC		
SNP_55879B_273061	scaffold766	NW_004516151.1	273061	TT	CC	CC	INTERGENIC		
SNP_55880B_273232	scaffold766	NW_004516151.1	273232	GG	AA	AA	INTERGENIC		
SNP_55881B_274615	scaffold766	NW_004516151.1	274615	GG	AA	AA	INTERGENIC		
SNP_55882B_57	scaffold768	NW_004516153.1	57	GG	TT	TT	INTERGENIC		
SNP_55883B_76	scaffold768	NW_004516153.1	76	GG	AA	AA	INTERGENIC		
SNP_55884B_208	scaffold768	NW_004516153.1	208	TT	AA	AA	INTERGENIC		
SNP_55885B_256	scaffold768	NW_004516153.1	256	AA	TT	TT	INTERGENIC		
SNP_55886B_478	scaffold768	NW_004516153.1	478	TT	CC	CC	INTERGENIC		
SNP_55887B_483	scaffold768	NW_004516153.1	483	AA	GG	GG	INTERGENIC		
SNP_55888B_525	scaffold768	NW_004516153.1	525	CC	GG	GG	INTERGENIC		
SNP_55890B_618	scaffold768	NW_004516153.1	618	CC	AA	AA	INTERGENIC		
SNP_55891B_765	scaffold768	NW_004516153.1	765	GG	AA	AA	INTERGENIC		
SNP_55892B_894	scaffold768	NW_004516153.1	894	AA	GG	GG	INTERGENIC		
SNP_55893B_1007	scaffold768	NW_004516153.1	1007	TT	AA	AA	INTERGENIC		
SNP_55895B_64	scaffold769	NW_004516154.1	64	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_55896B_81	scaffold769	NW_004516154.1	81	AA	TT	TT	INTERGENIC		
SNP_55898B_177	scaffold769	NW_004516154.1	177	GG	TT	TT	INTERGENIC		
SNP_55899B_209	scaffold769	NW_004516154.1	209	AA	GG	GG	INTERGENIC		
SNP_55900B_429	scaffold769	NW_004516154.1	429	TT	AA	AA	INTERGENIC		
SNP_55901B_542	scaffold769	NW_004516154.1	542	TT	GG	GG	INTERGENIC		
SNP_55902B_930	scaffold769	NW_004516154.1	930	TT	GG	GG	INTERGENIC		
SNP_55904B_1476	scaffold769	NW_004516154.1	1476	GG	AA	AA	INTERGENIC		
SNP_55905B_1618	scaffold769	NW_004516154.1	1618	TT	AA	AA	INTERGENIC		
SNP_55906B_1681	scaffold769	NW_004516154.1	1681	AA	TT	TT	INTERGENIC		
SNP_55907B_1808	scaffold769	NW_004516154.1	1808	TT	GG	GG	INTERGENIC		
SNP_55909B_2824	scaffold769	NW_004516154.1	2824	CC	GG	GG	INTERGENIC		
SNP_55910B_2918	scaffold769	NW_004516154.1	2918	AA	GG	GG	INTERGENIC		
SNP_55911B_2921	scaffold769	NW_004516154.1	2921	GG	CC	CC	INTERGENIC		
SNP_55912B_3050	scaffold769	NW_004516154.1	3050	GG	TT	TT	INTERGENIC		
SNP_55913B_3147	scaffold769	NW_004516154.1	3147	GG	AA	AA	INTERGENIC		
SNP_55914B_3523	scaffold769	NW_004516154.1	3523	CC	AA	AA	INTERGENIC		
SNP_55915B_3553	scaffold769	NW_004516154.1	3553	CC	TT	TT	INTERGENIC		
SNP_55916B_5308	scaffold769	NW_004516154.1	5308	TT	CC	CC	INTERGENIC		
SNP_55918B_27304	scaffold769	NW_004516154.1	27304	AA	GG	GG	INTERGENIC		
SNP_55919B_28914	scaffold769	NW_004516154.1	28914	AA	GG	GG	INTERGENIC		
SNP_55920B_28958	scaffold769	NW_004516154.1	28958	CC	TT	TT	INTERGENIC		
SNP_55921B_29244	scaffold769	NW_004516154.1	29244	AA	CC	CC	INTERGENIC		
SNP_55923B_29473	scaffold769	NW_004516154.1	29473	AA	GG	GG	INTERGENIC		
SNP_55924B_29699	scaffold769	NW_004516154.1	29699	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_55925B_29828	scaffold769	NW_004516154.1	29828	AA	GG	GG	INTERGENIC		
SNP_55926B_29951	scaffold769	NW_004516154.1	29951	AA	GG	GG	INTERGENIC		
SNP_55927B_108568	scaffold769	NW_004516154.1	108568	GG	TT	TT	INTERGENIC		
SNP_55928B_116677	scaffold769	NW_004516154.1	116677	AA	TT	TT	INTERGENIC		
SNP_55929B_116715	scaffold769	NW_004516154.1	116715	TT	AA	AA	INTERGENIC		
SNP_55931B_81	scaffold771	NW_004516155.1	81	TT	GG	GG	INTERGENIC		
SNP_55932B_342	scaffold771	NW_004516155.1	342	CC	TT	TT	INTERGENIC		
SNP_55933B_25767	scaffold771	NW_004516155.1	25767	GG	AA	AA	INTERGENIC		
SNP_55934B_36412	scaffold771	NW_004516155.1	36412	TT	CC	CC	INTERGENIC		
SNP_55935B_58302	scaffold771	NW_004516155.1	58302	GG	AA	AA	INTERGENIC		
SNP_55936B_58320	scaffold771	NW_004516155.1	58320	TT	CC	CC	INTERGENIC		
SNP_55937B_58335	scaffold771	NW_004516155.1	58335	GG	AA	AA	INTERGENIC		
SNP_55938B_58336	scaffold771	NW_004516155.1	58336	GG	CC	CC	INTERGENIC		
SNP_55939B_58344	scaffold771	NW_004516155.1	58344	AA	TT	TT	INTERGENIC		
SNP_55940B_58355	scaffold771	NW_004516155.1	58355	CC	AA	AA	INTERGENIC		
SNP_55941B_58769	scaffold771	NW_004516155.1	58769	GG	AA	AA	INTERGENIC		
SNP_55942B_66411	scaffold771	NW_004516155.1	66411	TT	CC	CC	INTERGENIC		
SNP_55943B_69254	scaffold771	NW_004516155.1	69254	AA	GG	GG	INTERGENIC		
SNP_55944B_69290	scaffold771	NW_004516155.1	69290	CC	TT	TT	INTERGENIC		
SNP_55945B_69294	scaffold771	NW_004516155.1	69294	TT	GG	GG	INTERGENIC		
SNP_55946B_69295	scaffold771	NW_004516155.1	69295	TT	AA	AA	INTERGENIC		
SNP_55947B_7562	scaffold772	NW_004516156.1	7562	CC	TT	TT	INTERGENIC		
SNP_55948B_7582	scaffold772	NW_004516156.1	7582	CC	TT	TT	INTERGENIC		
SNP_55949B_8420	scaffold772	NW_004516156.1	8420	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_55950B_9106	scaffold772	NW_004516156.1	9106	GG	AA	AA	INTERGENIC		
SNP_55951B_9191	scaffold772	NW_004516156.1	9191	AA	TT	TT	INTERGENIC		
SNP_55952B_11443	scaffold772	NW_004516156.1	11443	CC	AA	AA	INTERGENIC		
SNP_55954B_12163	scaffold772	NW_004516156.1	12163	GG	TT	TT	INTERGENIC		
SNP_55955B_18161	scaffold772	NW_004516156.1	18161	TT	CC	CC	INTERGENIC		
SNP_55956B_18178	scaffold772	NW_004516156.1	18178	TT	CC	CC	INTERGENIC		
SNP_55957B_18186	scaffold772	NW_004516156.1	18186	TT	CC	CC	INTERGENIC		
SNP_55958B_18197	scaffold772	NW_004516156.1	18197	AA	GG	GG	INTERGENIC		
SNP_55959B_18240	scaffold772	NW_004516156.1	18240	AA	GG	GG	INTERGENIC		
SNP_55960B_18281	scaffold772	NW_004516156.1	18281	AA	CC	CC	INTERGENIC		
SNP_55961B_18296	scaffold772	NW_004516156.1	18296	AA	GG	GG	INTERGENIC		
SNP_55962B_18345	scaffold772	NW_004516156.1	18345	AA	GG	GG	INTERGENIC		
SNP_55963B_18467	scaffold772	NW_004516156.1	18467	AA	GG	GG	INTERGENIC		
SNP_55964B_18554	scaffold772	NW_004516156.1	18554	TT	GG	GG	INTERGENIC		
SNP_55965B_18642	scaffold772	NW_004516156.1	18642	AA	CC	CC	INTERGENIC		
SNP_55967B_24463	scaffold772	NW_004516156.1	24463	AA	GG	GG	INTERGENIC		
SNP_55968B_33944	scaffold772	NW_004516156.1	33944	TT	CC	CC	INTERGENIC		
SNP_55969B_110302	scaffold772	NW_004516156.1	110302	AA	GG	GG	INTERGENIC		
SNP_55970B_120681	scaffold772	NW_004516156.1	120681	TT	AA	AA	INTERGENIC		
SNP_55971B_132466	scaffold772	NW_004516156.1	132466	AA	GG	GG	INTERGENIC		
SNP_55972B_137315	scaffold772	NW_004516156.1	137315	TT	AA	AA	STOP_LOST	101506504	Unknown function
SNP_55973B_139398	scaffold772	NW_004516156.1	139398	GG	AA	AA	INTERGENIC		
SNP_55974B_139480	scaffold772	NW_004516156.1	139480	TT	CC	CC	INTERGENIC		
SNP_55976B_163268	scaffold772	NW_004516156.1	163268	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_55977B_178735	scaffold772	NW_004516156.1	178735	AA	CC	CC	INTERGENIC		
SNP_55978B_205846	scaffold772	NW_004516156.1	205846	TT	CC	CC	INTERGENIC		
SNP_55979B_209659	scaffold772	NW_004516156.1	209659	AA	GG	GG	INTERGENIC		
SNP_55980B_211480	scaffold772	NW_004516156.1	211480	AA	CC	CC	INTERGENIC		
SNP_55981B_211497	scaffold772	NW_004516156.1	211497	AA	GG	GG	INTERGENIC		
SNP_55983B_213601	scaffold772	NW_004516156.1	213601	TT	CC	CC	INTERGENIC		
SNP_55984B_213631	scaffold772	NW_004516156.1	213631	TT	CC	CC	INTERGENIC		
SNP_55986B_213670	scaffold772	NW_004516156.1	213670	GG	AA	AA	INTERGENIC		
SNP_55987B_213730	scaffold772	NW_004516156.1	213730	GG	AA	AA	INTERGENIC		
SNP_55988B_213740	scaffold772	NW_004516156.1	213740	AA	TT	TT	INTERGENIC		
SNP_55989B_213744	scaffold772	NW_004516156.1	213744	AA	CC	CC	INTERGENIC		
SNP_55990B_213851	scaffold772	NW_004516156.1	213851	GG	TT	TT	INTERGENIC		
SNP_55991B_213948	scaffold772	NW_004516156.1	213948	GG	TT	TT	INTERGENIC		
SNP_55992B_16686	scaffold774	NW_004516157.1	16686	TT	CC	CC	INTERGENIC		
SNP_55993B_17272	scaffold774	NW_004516157.1	17272	TT	AA	AA	INTERGENIC		
SNP_55994B_17790	scaffold774	NW_004516157.1	17790	AA	TT	TT	INTERGENIC		
SNP_55995B_22426	scaffold774	NW_004516157.1	22426	AA	GG	GG	INTERGENIC		
SNP_55996B_22448	scaffold774	NW_004516157.1	22448	AA	CC	CC	INTERGENIC		
SNP_55997B_22786	scaffold774	NW_004516157.1	22786	AA	TT	TT	INTERGENIC		
SNP_55998B_688	scaffold775	NW_004516158.1	688	AA	GG	GG	INTERGENIC		
SNP_55999B_800	scaffold775	NW_004516158.1	800	CC	TT	TT	INTERGENIC		
SNP_56000B_818	scaffold775	NW_004516158.1	818	CC	TT	TT	INTERGENIC		
SNP_56001B_1040	scaffold775	NW_004516158.1	1040	AA	GG	GG	INTERGENIC		
SNP_56002B_1047	scaffold775	NW_004516158.1	1047	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56003B_16769	scaffold775	NW_004516158.1	16769	GG	TT	TT	INTERGENIC		
SNP_56004B_16785	scaffold775	NW_004516158.1	16785	CC	TT	TT	INTERGENIC		
SNP_56005B_22727	scaffold775	NW_004516158.1	22727	CC	TT	TT	INTERGENIC		
SNP_56006B_99346	scaffold775	NW_004516158.1	99346	CC	AA	AA	INTERGENIC		
SNP_56007B_99357	scaffold775	NW_004516158.1	99357	AA	GG	GG	INTERGENIC		
SNP_56008B_100838	scaffold775	NW_004516158.1	100838	TT	CC	CC	INTERGENIC		
SNP_56010B_119484	scaffold775	NW_004516158.1	119484	TT	CC	CC	INTERGENIC		
SNP_56011B_125886	scaffold775	NW_004516158.1	125886	AA	GG	GG	INTERGENIC		
SNP_56012B_178128	scaffold775	NW_004516158.1	178128	GG	AA	AA	INTERGENIC		
SNP_56013B_223424	scaffold775	NW_004516158.1	223424	TT	CC	CC	INTERGENIC		
SNP_56014B_223495	scaffold775	NW_004516158.1	223495	GG	AA	AA	INTERGENIC		
SNP_56015B_223520	scaffold775	NW_004516158.1	223520	TT	GG	GG	INTERGENIC		
SNP_56016B_223552	scaffold775	NW_004516158.1	223552	TT	GG	GG	INTERGENIC		
SNP_56017B_223570	scaffold775	NW_004516158.1	223570	GG	AA	AA	INTERGENIC		
SNP_56018B_223616	scaffold775	NW_004516158.1	223616	AA	GG	GG	INTERGENIC		
SNP_56019B_224005	scaffold775	NW_004516158.1	224005	CC	GG	GG	INTERGENIC		
SNP_56020B_226149	scaffold775	NW_004516158.1	226149	AA	CC	CC	INTERGENIC		
SNP_56021B_237252	scaffold775	NW_004516158.1	237252	AA	CC	CC	INTERGENIC		
SNP_56022B_237259	scaffold775	NW_004516158.1	237259	GG	AA	AA	INTERGENIC		
SNP_56023B_237260	scaffold775	NW_004516158.1	237260	AA	CC	CC	INTERGENIC		
SNP_56024B_267227	scaffold775	NW_004516158.1	267227	CC	TT	TT	INTERGENIC		
SNP_56025B_267279	scaffold775	NW_004516158.1	267279	AA	GG	GG	INTERGENIC		
SNP_56026B_267415	scaffold775	NW_004516158.1	267415	CC	AA	AA	INTERGENIC		
SNP_56027B_267485	scaffold775	NW_004516158.1	267485	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56028B_267624	scaffold775	NW_004516158.1	267624	AA	TT	TT	INTERGENIC		
SNP_56029B_267629	scaffold775	NW_004516158.1	267629	AA	TT	TT	INTERGENIC		
SNP_56030B_267636	scaffold775	NW_004516158.1	267636	AA	GG	GG	INTERGENIC		
SNP_56031B_335539	scaffold775	NW_004516158.1	335539	TT	CC	CC	INTERGENIC		
SNP_56033B_381649	scaffold775	NW_004516158.1	381649	GG	CC	CC	INTERGENIC		
SNP_56034B_381652	scaffold775	NW_004516158.1	381652	AA	CC	CC	INTERGENIC		
SNP_56035B_381743	scaffold775	NW_004516158.1	381743	AA	TT	TT	INTERGENIC		
SNP_56038B_383699	scaffold775	NW_004516158.1	383699	CC	TT	TT	INTERGENIC		
SNP_56039B_441004	scaffold775	NW_004516158.1	441004	AA	GG	GG	DRR	101508016	uncharacterized LOC101508016
SNP_56041B_446940	scaffold775	NW_004516158.1	446940	TT	AA	AA	DRR	101508209	pectinesterase 2-like
SNP_56042B_447641	scaffold775	NW_004516158.1	447641	TT	CC	CC	SYNONYMOUS_CODING	101508209	pectinesterase 2-like
SNP_56043B_449388	scaffold775	NW_004516158.1	449388	CC	TT	TT	URR	101508209	pectinesterase 2-like
SNP_56045B_449872	scaffold775	NW_004516158.1	449872	CC	TT	TT	URR	101508209	pectinesterase 2-like
SNP_56046B_450548	scaffold775	NW_004516158.1	450548	TT	CC	CC	URR	101508209	pectinesterase 2-like
SNP_56047B_473810	scaffold775	NW_004516158.1	473810	TT	CC	CC	INTERGENIC		
SNP_56048B_476026	scaffold775	NW_004516158.1	476026	AA	CC	CC	INTERGENIC		
SNP_56049B_476139	scaffold775	NW_004516158.1	476139	TT	CC	CC	INTERGENIC		
SNP_56050B_476181	scaffold775	NW_004516158.1	476181	CC	TT	TT	INTERGENIC		
SNP_56051B_476189	scaffold775	NW_004516158.1	476189	TT	CC	CC	INTERGENIC		
SNP_56052B_476281	scaffold775	NW_004516158.1	476281	AA	GG	GG	INTERGENIC		
SNP_56053B_476302	scaffold775	NW_004516158.1	476302	CC	GG	GG	INTERGENIC		
SNP_56054B_476389	scaffold775	NW_004516158.1	476389	GG	AA	AA	INTERGENIC		
SNP_56055B_23649	scaffold776	NW_004516159.1	23649	AA	TT	TT	INTERGENIC		
SNP_56056B_23850	scaffold776	NW_004516159.1	23850	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56057B_23925	scaffold776	NW_004516159.1	23925	AA	TT	TT	INTERGENIC		
SNP_56058B_69927	scaffold776	NW_004516159.1	69927	GG	AA	AA	INTERGENIC		
SNP_56059B_71609	scaffold776	NW_004516159.1	71609	GG	AA	AA	INTERGENIC		
SNP_56060B_72024	scaffold776	NW_004516159.1	72024	TT	AA	AA	INTERGENIC		
SNP_56061B_176062	scaffold776	NW_004516159.1	176062	TT	AA	AA	INTRON	101512394	eukaryotic initiation factor 4A-8-like
SNP_56062B_177904	scaffold776	NW_004516159.1	177904	GG	AA	AA	INTRON	101512394	eukaryotic initiation factor 4A-8-like
SNP_56063B_177906	scaffold776	NW_004516159.1	177906	AA	GG	GG	INTRON	101512394	eukaryotic initiation factor 4A-8-like
SNP_56064B_206689	scaffold776	NW_004516159.1	206689	AA	GG	GG	INTRON	101513031	uncharacterized LOC101513031
SNP_56065B_206701	scaffold776	NW_004516159.1	206701	AA	GG	GG	INTRON	101513031	uncharacterized LOC101513031
SNP_56066B_206702	scaffold776	NW_004516159.1	206702	TT	AA	AA	INTRON	101513031	uncharacterized LOC101513031
SNP_56067B_207169	scaffold776	NW_004516159.1	207169	CC	AA	AA	INTRON	101513031	uncharacterized LOC101513031
SNP_56068B_216198	scaffold776	NW_004516159.1	216198	TT	GG	GG	INTRON	101513031	uncharacterized LOC101513031
SNP_56069B_216473	scaffold776	NW_004516159.1	216473	TT	CC	CC	INTRON	101513031	uncharacterized LOC101513031
SNP_56070B_218836	scaffold776	NW_004516159.1	218836	CC	GG	GG	NON_SYNONYMOUS_CODING	101513031	uncharacterized LOC101513031
SNP_56071B_218898	scaffold776	NW_004516159.1	218898	GG	AA	AA	SYNONYMOUS_CODING	101513031	uncharacterized LOC101513031
SNP_56072B_218909	scaffold776	NW_004516159.1	218909	AA	GG	GG	NON_SYNONYMOUS_CODING	101513031	uncharacterized LOC101513031
SNP_56073B_219010	scaffold776	NW_004516159.1	219010	TT	GG	GG	NON_SYNONYMOUS_CODING	101513031	uncharacterized LOC101513031
SNP_56074B_219019	scaffold776	NW_004516159.1	219019	GG	CC	CC	NON_SYNONYMOUS_CODING	101513031	uncharacterized LOC101513031
SNP_56075B_219212	scaffold776	NW_004516159.1	219212	AA	GG	GG	NON_SYNONYMOUS_CODING	101513031	uncharacterized LOC101513031
SNP_56076B_219331	scaffold776	NW_004516159.1	219331	TT	GG	GG	NON_SYNONYMOUS_CODING	101513031	uncharacterized LOC101513031
SNP_56077B_219344	scaffold776	NW_004516159.1	219344	TT	GG	GG	NON_SYNONYMOUS_CODING	101513031	uncharacterized LOC101513031
SNP_56078B_219358	scaffold776	NW_004516159.1	219358	CC	AA	AA	NON_SYNONYMOUS_CODING	101513031	uncharacterized LOC101513031
SNP_56079B_219368	scaffold776	NW_004516159.1	219368	TT	CC	CC	NON_SYNONYMOUS_CODING	101513031	uncharacterized LOC101513031
SNP_56080B_219938	scaffold776	NW_004516159.1	219938	AA	GG	GG	NON_SYNONYMOUS_CODING	101513031	uncharacterized LOC101513031

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56081B_220308	scaffold776	NW_004516159.1	220308	AA	CC	CC	URR	101513031	uncharacterized LOC101513031
SNP_56082B_220309	scaffold776	NW_004516159.1	220309	TT	GG	GG	URR	101513031	uncharacterized LOC101513031
SNP_56083B_220318	scaffold776	NW_004516159.1	220318	TT	GG	GG	URR	101513031	uncharacterized LOC101513031
SNP_56084B_220322	scaffold776	NW_004516159.1	220322	TT	CC	CC	URR	101513031	uncharacterized LOC101513031
SNP_56085B_220345	scaffold776	NW_004516159.1	220345	AA	GG	GG	URR	101513031	uncharacterized LOC101513031
SNP_56087B_572	scaffold778	NW_004516160.1	572	GG	AA	AA	INTERGENIC		
SNP_56088B_943	scaffold779	NW_004516161.1	943	TT	AA	AA	INTERGENIC		
SNP_56089B_994	scaffold779	NW_004516161.1	994	CC	AA	AA	INTERGENIC		
SNP_56090B_1087	scaffold779	NW_004516161.1	1087	AA	CC	CC	INTERGENIC		
SNP_56091B_1090	scaffold779	NW_004516161.1	1090	AA	TT	TT	INTERGENIC		
SNP_56092B_1199	scaffold779	NW_004516161.1	1199	GG	CC	CC	INTERGENIC		
SNP_56093B_1211	scaffold779	NW_004516161.1	1211	AA	GG	GG	INTERGENIC		
SNP_56094B_1271	scaffold779	NW_004516161.1	1271	AA	GG	GG	INTERGENIC		
SNP_56095B_1339	scaffold779	NW_004516161.1	1339	TT	AA	AA	INTERGENIC		
SNP_56096B_1345	scaffold779	NW_004516161.1	1345	TT	CC	CC	INTERGENIC		
SNP_56097B_1412	scaffold779	NW_004516161.1	1412	AA	GG	GG	INTERGENIC		
SNP_56098B_1417	scaffold779	NW_004516161.1	1417	AA	GG	GG	INTERGENIC		
SNP_56099B_1425	scaffold779	NW_004516161.1	1425	TT	AA	AA	INTERGENIC		
SNP_56100B_1569	scaffold779	NW_004516161.1	1569	GG	AA	AA	INTERGENIC		
SNP_56101B_1607	scaffold779	NW_004516161.1	1607	CC	TT	TT	INTERGENIC		
SNP_56102B_1635	scaffold779	NW_004516161.1	1635	TT	AA	AA	INTERGENIC		
SNP_56103B_1667	scaffold779	NW_004516161.1	1667	CC	GG	GG	INTERGENIC		
SNP_56104B_1724	scaffold779	NW_004516161.1	1724	TT	GG	GG	INTERGENIC		
SNP_56105B_1744	scaffold779	NW_004516161.1	1744	CC	AA	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56106B_1762	scaffold779	NW_004516161.1	1762	AA	GG	GG	INTERGENIC		
SNP_56107B_6191	scaffold779	NW_004516161.1	6191	AA	GG	GG	INTERGENIC		
SNP_56108B_3652	scaffold781	NW_004516162.1	3652	TT	AA	AA	INTERGENIC		
SNP_56109B_30409	scaffold781	NW_004516162.1	30409	CC	TT	TT	INTERGENIC		
SNP_56110B_30708	scaffold781	NW_004516162.1	30708	TT	CC	CC	INTERGENIC		
SNP_56111B_48	scaffold783	NW_004516164.1	48	AA	GG	GG	INTERGENIC		
SNP_56112B_2210	scaffold783	NW_004516164.1	2210	GG	AA	AA	INTERGENIC		
SNP_56113B_99089	scaffold783	NW_004516164.1	99089	AA	GG	GG	INTERGENIC		
SNP_56114B_99097	scaffold783	NW_004516164.1	99097	CC	TT	TT	INTERGENIC		
SNP_56116B_104297	scaffold783	NW_004516164.1	104297	GG	TT	TT	INTERGENIC		
SNP_56117B_104787	scaffold783	NW_004516164.1	104787	CC	TT	TT	INTERGENIC		
SNP_56119B_120578	scaffold783	NW_004516164.1	120578	GG	TT	TT	INTERGENIC		
SNP_56120B_128543	scaffold783	NW_004516164.1	128543	TT	GG	GG	INTERGENIC		
SNP_56121B_128899	scaffold783	NW_004516164.1	128899	AA	GG	GG	INTERGENIC		
SNP_56122B_128921	scaffold783	NW_004516164.1	128921	TT	GG	GG	INTERGENIC		
SNP_56123B_128972	scaffold783	NW_004516164.1	128972	CC	TT	TT	INTERGENIC		
SNP_56124B_179860	scaffold783	NW_004516164.1	179860	TT	CC	CC	INTERGENIC		
SNP_56125B_180001	scaffold783	NW_004516164.1	180001	AA	GG	GG	INTERGENIC		
SNP_56126B_180057	scaffold783	NW_004516164.1	180057	GG	TT	TT	INTERGENIC		
SNP_56127B_208130	scaffold783	NW_004516164.1	208130	GG	AA	AA	INTERGENIC		
SNP_56128B_208155	scaffold783	NW_004516164.1	208155	GG	TT	TT	INTERGENIC		
SNP_56129B_208156	scaffold783	NW_004516164.1	208156	GG	TT	TT	INTERGENIC		
SNP_56130B_208324	scaffold783	NW_004516164.1	208324	TT	CC	CC	INTERGENIC		
SNP_56131B_208485	scaffold783	NW_004516164.1	208485	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56132B_208488	scaffold783	NW_004516164.1	208488	GG	AA	AA	INTERGENIC		
SNP_56133B_208545	scaffold783	NW_004516164.1	208545	AA	GG	GG	INTERGENIC		
SNP_56134B_208557	scaffold783	NW_004516164.1	208557	CC	TT	TT	INTERGENIC		
SNP_56135B_208563	scaffold783	NW_004516164.1	208563	GG	AA	AA	INTERGENIC		
SNP_56136B_208608	scaffold783	NW_004516164.1	208608	CC	TT	TT	INTERGENIC		
SNP_56137B_20982	scaffold787	NW_004516168.1	20982	GG	CC	CC	INTERGENIC		
SNP_56138B_21478	scaffold787	NW_004516168.1	21478	AA	GG	GG	INTERGENIC		
SNP_56140B_25116	scaffold787	NW_004516168.1	25116	GG	CC	CC	INTERGENIC		
SNP_56142B_54188	scaffold787	NW_004516168.1	54188	TT	CC	CC	INTERGENIC		
SNP_56143B_58765	scaffold787	NW_004516168.1	58765	CC	TT	TT	INTERGENIC		
SNP_56144B_66354	scaffold787	NW_004516168.1	66354	AA	CC	CC	INTERGENIC		
SNP_56145B_75920	scaffold787	NW_004516168.1	75920	TT	AA	AA	INTERGENIC		
SNP_56147B_75975	scaffold787	NW_004516168.1	75975	CC	TT	TT	INTERGENIC		
SNP_56148B_78990	scaffold787	NW_004516168.1	78990	AA	CC	CC	INTERGENIC		
SNP_56149B_79176	scaffold787	NW_004516168.1	79176	TT	AA	AA	INTERGENIC		
SNP_56150B_79191	scaffold787	NW_004516168.1	79191	TT	CC	CC	INTERGENIC		
SNP_56151B_79197	scaffold787	NW_004516168.1	79197	AA	GG	GG	INTERGENIC		
SNP_56152B_79207	scaffold787	NW_004516168.1	79207	CC	TT	TT	INTERGENIC		
SNP_56153B_79569	scaffold787	NW_004516168.1	79569	CC	TT	TT	INTERGENIC		
SNP_56154B_87039	scaffold787	NW_004516168.1	87039	AA	CC	CC	INTERGENIC		
SNP_56155B_96294	scaffold787	NW_004516168.1	96294	AA	CC	CC	INTERGENIC		
SNP_56156B_108729	scaffold787	NW_004516168.1	108729	AA	TT	TT	INTERGENIC		
SNP_56157B_113908	scaffold787	NW_004516168.1	113908	TT	AA	AA	INTERGENIC		
SNP_56158B_128501	scaffold787	NW_004516168.1	128501	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56160B_131328	scaffold787	NW_004516168.1	131328	CC	AA	AA	INTERGENIC		
SNP_56161B_132011	scaffold787	NW_004516168.1	132011	GG	AA	AA	INTERGENIC		
SNP_56162B_141047	scaffold787	NW_004516168.1	141047	CC	AA	AA	INTERGENIC		
SNP_56164B_149833	scaffold787	NW_004516168.1	149833	GG	AA	AA	INTERGENIC		
SNP_56165B_154120	scaffold787	NW_004516168.1	154120	CC	TT	TT	INTERGENIC		
SNP_56166B_237276	scaffold787	NW_004516168.1	237276	CC	TT	TT	INTERGENIC		
SNP_56167B_281988	scaffold787	NW_004516168.1	281988	GG	AA	AA	INTERGENIC		
SNP_56168B_292158	scaffold787	NW_004516168.1	292158	GG	AA	AA	INTERGENIC		
SNP_56169B_318667	scaffold787	NW_004516168.1	318667	TT	GG	GG	INTERGENIC		
SNP_56170B_333420	scaffold787	NW_004516168.1	333420	CC	AA	AA	INTERGENIC		
SNP_56171B_334171	scaffold787	NW_004516168.1	334171	GG	AA	AA	INTERGENIC		
SNP_56173B_337269	scaffold787	NW_004516168.1	337269	GG	TT	TT	INTERGENIC		
SNP_56174B_346340	scaffold787	NW_004516168.1	346340	AA	GG	GG	INTERGENIC		
SNP_56176B_353573	scaffold787	NW_004516168.1	353573	CC	TT	TT	INTERGENIC		
SNP_56177B_363151	scaffold787	NW_004516168.1	363151	AA	GG	GG	INTERGENIC		
SNP_56178B_363152	scaffold787	NW_004516168.1	363152	CC	AA	AA	INTERGENIC		
SNP_56179B_365142	scaffold787	NW_004516168.1	365142	CC	TT	TT	INTERGENIC		
SNP_56180B_406021	scaffold787	NW_004516168.1	406021	CC	TT	TT	INTERGENIC		
SNP_56181B_410087	scaffold787	NW_004516168.1	410087	GG	AA	AA	INTERGENIC		
SNP_56182B_434197	scaffold787	NW_004516168.1	434197	TT	AA	AA	URR	101489174	pentatricopeptide repeat-containing protein At5g04810, chloroplastic
SNP_56183B_460119	scaffold787	NW_004516168.1	460119	AA	GG	GG	INTERGENIC		
SNP_56184B_460171	scaffold787	NW_004516168.1	460171	GG	AA	AA	INTERGENIC		
SNP_56185B_460259	scaffold787	NW_004516168.1	460259	TT	CC	CC	INTERGENIC		
SNP_56186B_460367	scaffold787	NW_004516168.1	460367	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56187B_460579	scaffold787	NW_004516168.1	460579	TT	CC	CC	INTERGENIC		
SNP_56188B_460580	scaffold787	NW_004516168.1	460580	TT	CC	CC	INTERGENIC		
SNP_56190B_462525	scaffold787	NW_004516168.1	462525	GG	AA	AA	INTERGENIC		
SNP_56191B_462556	scaffold787	NW_004516168.1	462556	AA	GG	GG	INTERGENIC		
SNP_56193B_463282	scaffold787	NW_004516168.1	463282	CC	TT	TT	INTERGENIC		
SNP_56194B_464800	scaffold787	NW_004516168.1	464800	GG	AA	AA	INTERGENIC		
SNP_56195B_466544	scaffold787	NW_004516168.1	466544	AA	TT	TT	INTERGENIC		
SNP_56196B_469377	scaffold787	NW_004516168.1	469377	AA	GG	GG	INTERGENIC		
SNP_56197B_469378	scaffold787	NW_004516168.1	469378	CC	TT	TT	INTERGENIC		
SNP_56199B_469442	scaffold787	NW_004516168.1	469442	CC	TT	TT	INTERGENIC		
SNP_56200B_469768	scaffold787	NW_004516168.1	469768	GG	AA	AA	INTERGENIC		
SNP_56201B_2377	scaffold789	NW_004516169.1	2377	AA	GG	GG	INTERGENIC		
SNP_56202B_8993	scaffold789	NW_004516169.1	8993	GG	AA	AA	INTERGENIC		
SNP_56203B_13771	scaffold789	NW_004516169.1	13771	TT	CC	CC	INTERGENIC		
SNP_56204B_13833	scaffold789	NW_004516169.1	13833	AA	GG	GG	INTERGENIC		
SNP_56205B_13954	scaffold789	NW_004516169.1	13954	GG	AA	AA	INTERGENIC		
SNP_56206B_14115	scaffold789	NW_004516169.1	14115	AA	CC	CC	INTERGENIC		
SNP_56207B_14248	scaffold789	NW_004516169.1	14248	GG	AA	AA	INTERGENIC		
SNP_56208B_17599	scaffold789	NW_004516169.1	17599	TT	CC	CC	INTERGENIC		
SNP_56209B_17652	scaffold789	NW_004516169.1	17652	TT	GG	GG	INTERGENIC		
SNP_56210B_23121	scaffold789	NW_004516169.1	23121	GG	TT	TT	INTERGENIC		
SNP_56211B_26855	scaffold789	NW_004516169.1	26855	TT	GG	GG	INTERGENIC		
SNP_56212B_28580	scaffold789	NW_004516169.1	28580	TT	GG	GG	INTERGENIC		
SNP_56213B_41794	scaffold789	NW_004516169.1	41794	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56214B_41807	scaffold789	NW_004516169.1	41807	AA	GG	GG	INTERGENIC		
SNP_56215B_35894	scaffold793	NW_004516170.1	35894	CC	TT	TT	INTERGENIC		
SNP_56216B_38998	scaffold793	NW_004516170.1	38998	TT	AA	AA	INTERGENIC		
SNP_56217B_39055	scaffold793	NW_004516170.1	39055	CC	AA	AA	INTERGENIC		
SNP_56218B_39105	scaffold793	NW_004516170.1	39105	TT	AA	AA	INTERGENIC		
SNP_56219B_39145	scaffold793	NW_004516170.1	39145	CC	TT	TT	INTERGENIC		
SNP_56220B_39298	scaffold793	NW_004516170.1	39298	AA	GG	GG	INTERGENIC		
SNP_56221B_39305	scaffold793	NW_004516170.1	39305	CC	TT	TT	INTERGENIC		
SNP_56222B_39379	scaffold793	NW_004516170.1	39379	TT	CC	CC	INTERGENIC		
SNP_56223B_57056	scaffold793	NW_004516170.1	57056	CC	TT	TT	DRR	101492413	uncharacterized LOC101492413
SNP_56224B_88215	scaffold793	NW_004516170.1	88215	GG	AA	AA	INTERGENIC		
SNP_56225B_108277	scaffold793	NW_004516170.1	108277	AA	TT	TT	INTERGENIC		
SNP_56226B_108285	scaffold793	NW_004516170.1	108285	GG	AA	AA	INTERGENIC		
SNP_56227B_108438	scaffold793	NW_004516170.1	108438	TT	CC	CC	INTERGENIC		
SNP_56228B_108447	scaffold793	NW_004516170.1	108447	CC	TT	TT	INTERGENIC		
SNP_56229B_127461	scaffold793	NW_004516170.1	127461	TT	AA	AA	INTERGENIC		
SNP_56230B_127559	scaffold793	NW_004516170.1	127559	CC	TT	TT	INTERGENIC		
SNP_56231B_128331	scaffold793	NW_004516170.1	128331	AA	GG	GG	INTERGENIC		
SNP_56232B_128386	scaffold793	NW_004516170.1	128386	TT	CC	CC	INTERGENIC		
SNP_56233B_158258	scaffold793	NW_004516170.1	158258	AA	GG	GG	INTERGENIC		
SNP_56234B_158259	scaffold793	NW_004516170.1	158259	TT	AA	AA	INTERGENIC		
SNP_56235B_178633	scaffold793	NW_004516170.1	178633	TT	CC	CC	INTERGENIC		
SNP_56236B_192634	scaffold793	NW_004516170.1	192634	CC	TT	TT	INTERGENIC		
SNP_56237B_193158	scaffold793	NW_004516170.1	193158	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56238B_194270	scaffold793	NW_004516170.1	194270	CC	TT	TT	INTERGENIC		
SNP_56239B_194271	scaffold793	NW_004516170.1	194271	AA	CC	CC	INTERGENIC		
SNP_56240B_194289	scaffold793	NW_004516170.1	194289	TT	CC	CC	INTERGENIC		
SNP_56241B_194294	scaffold793	NW_004516170.1	194294	AA	TT	TT	INTERGENIC		
SNP_56242B_194301	scaffold793	NW_004516170.1	194301	TT	CC	CC	INTERGENIC		
SNP_56243B_194355	scaffold793	NW_004516170.1	194355	CC	TT	TT	INTERGENIC		
SNP_56244B_194362	scaffold793	NW_004516170.1	194362	AA	GG	GG	INTERGENIC		
SNP_56246B_248509	scaffold793	NW_004516170.1	248509	CC	GG	GG	INTERGENIC		
SNP_56247B_59960	scaffold794	NW_004516171.1	59960	AA	GG	GG	INTRON	101493402	mitochondrial pyruvate carrier 1-like
SNP_56248B_137917	scaffold794	NW_004516171.1	137917	CC	TT	TT	INTERGENIC		
SNP_56249B_137943	scaffold794	NW_004516171.1	137943	TT	CC	CC	INTERGENIC		
SNP_56250B_138064	scaffold794	NW_004516171.1	138064	GG	CC	CC	INTERGENIC		
SNP_56251B_138126	scaffold794	NW_004516171.1	138126	GG	AA	AA	INTERGENIC		
SNP_56253B_138149	scaffold794	NW_004516171.1	138149	GG	AA	AA	INTERGENIC		
SNP_56254B_138195	scaffold794	NW_004516171.1	138195	TT	CC	CC	INTERGENIC		
SNP_56255B_138281	scaffold794	NW_004516171.1	138281	TT	CC	CC	INTERGENIC		
SNP_56256B_138338	scaffold794	NW_004516171.1	138338	TT	CC	CC	INTERGENIC		
SNP_56257B_138367	scaffold794	NW_004516171.1	138367	GG	AA	AA	INTERGENIC		
SNP_56258B_138370	scaffold794	NW_004516171.1	138370	GG	AA	AA	INTERGENIC		
SNP_56259B_138502	scaffold794	NW_004516171.1	138502	TT	GG	GG	INTERGENIC		
SNP_56260B_138532	scaffold794	NW_004516171.1	138532	CC	TT	TT	INTERGENIC		
SNP_56261B_138548	scaffold794	NW_004516171.1	138548	CC	TT	TT	INTERGENIC		
SNP_56262B_138562	scaffold794	NW_004516171.1	138562	TT	CC	CC	INTERGENIC		
SNP_56263B_138587	scaffold794	NW_004516171.1	138587	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56264B_138611	scaffold794	NW_004516171.1	138611	AA	TT	TT	INTERGENIC		
SNP_56265B_138626	scaffold794	NW_004516171.1	138626	CC	TT	TT	INTERGENIC		
SNP_56267B_168960	scaffold794	NW_004516171.1	168960	AA	GG	GG	INTERGENIC		
SNP_56268B_168977	scaffold794	NW_004516171.1	168977	CC	TT	TT	INTERGENIC		
SNP_56269B_169062	scaffold794	NW_004516171.1	169062	TT	AA	AA	INTERGENIC		
SNP_56270B_169354	scaffold794	NW_004516171.1	169354	AA	CC	CC	INTERGENIC		
SNP_56271B_169376	scaffold794	NW_004516171.1	169376	AA	CC	CC	INTERGENIC		
SNP_56272B_169415	scaffold794	NW_004516171.1	169415	GG	TT	TT	INTERGENIC		
SNP_56273B_194866	scaffold794	NW_004516171.1	194866	CC	TT	TT	INTERGENIC		
SNP_56274B_194868	scaffold794	NW_004516171.1	194868	TT	GG	GG	INTERGENIC		
SNP_56275B_194916	scaffold794	NW_004516171.1	194916	AA	TT	TT	INTERGENIC		
SNP_56276B_206209	scaffold794	NW_004516171.1	206209	TT	AA	AA	INTERGENIC		
SNP_56278B_243264	scaffold794	NW_004516171.1	243264	TT	AA	AA	INTERGENIC		
SNP_56279B_243514	scaffold794	NW_004516171.1	243514	TT	GG	GG	INTERGENIC		
SNP_56280B_243814	scaffold794	NW_004516171.1	243814	AA	GG	GG	INTERGENIC		
SNP_56281B_245539	scaffold794	NW_004516171.1	245539	TT	GG	GG	INTERGENIC		
SNP_56282B_245686	scaffold794	NW_004516171.1	245686	AA	GG	GG	INTERGENIC		
SNP_56283B_245696	scaffold794	NW_004516171.1	245696	TT	CC	CC	INTERGENIC		
SNP_56284B_245698	scaffold794	NW_004516171.1	245698	CC	AA	AA	INTERGENIC		
SNP_56285B_245902	scaffold794	NW_004516171.1	245902	GG	AA	AA	INTERGENIC		
SNP_56286B_245989	scaffold794	NW_004516171.1	245989	AA	TT	TT	INTERGENIC		
SNP_56287B_246022	scaffold794	NW_004516171.1	246022	CC	TT	TT	INTERGENIC		
SNP_56288B_258973	scaffold794	NW_004516171.1	258973	AA	GG	GG	INTERGENIC		
SNP_56289B_259352	scaffold794	NW_004516171.1	259352	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56290B_7536	scaffold796	NW_004516173.1	7536	TT	CC	CC	INTERGENIC		
SNP_56291B_11471	scaffold796	NW_004516173.1	11471	CC	TT	TT	INTERGENIC		
SNP_56293B_16076	scaffold796	NW_004516173.1	16076	AA	TT	TT	INTERGENIC		
SNP_56294B_17749	scaffold796	NW_004516173.1	17749	AA	TT	TT	INTERGENIC		
SNP_56295B_18116	scaffold796	NW_004516173.1	18116	TT	GG	GG	INTERGENIC		
SNP_56297B_32576	scaffold796	NW_004516173.1	32576	GG	CC	CC	INTERGENIC		
SNP_56298B_14925	scaffold797	NW_004516174.1	14925	GG	AA	AA	INTERGENIC		
SNP_56300B_53424	scaffold797	NW_004516174.1	53424	GG	AA	AA	INTERGENIC		
SNP_56301B_53626	scaffold797	NW_004516174.1	53626	CC	AA	AA	INTERGENIC		
SNP_56302B_53639	scaffold797	NW_004516174.1	53639	CC	AA	AA	INTERGENIC		
SNP_56303B_53714	scaffold797	NW_004516174.1	53714	TT	AA	AA	INTERGENIC		
SNP_56304B_53717	scaffold797	NW_004516174.1	53717	GG	CC	CC	INTERGENIC		
SNP_56305B_53721	scaffold797	NW_004516174.1	53721	CC	GG	GG	INTERGENIC		
SNP_56306B_53904	scaffold797	NW_004516174.1	53904	GG	CC	CC	INTERGENIC		
SNP_56307B_53911	scaffold797	NW_004516174.1	53911	TT	GG	GG	INTERGENIC		
SNP_56308B_54008	scaffold797	NW_004516174.1	54008	AA	GG	GG	INTERGENIC		
SNP_56309B_54019	scaffold797	NW_004516174.1	54019	AA	TT	TT	INTERGENIC		
SNP_56310B_54043	scaffold797	NW_004516174.1	54043	CC	AA	AA	INTERGENIC		
SNP_56311B_58204	scaffold797	NW_004516174.1	58204	TT	CC	CC	INTERGENIC		
SNP_56314B_29525	scaffold798	NW_004516175.1	29525	CC	TT	TT	INTERGENIC		
SNP_56315B_32223	scaffold798	NW_004516175.1	32223	GG	AA	AA	INTERGENIC		
SNP_56316B_32244	scaffold798	NW_004516175.1	32244	TT	CC	CC	INTERGENIC		
SNP_56317B_54154	scaffold798	NW_004516175.1	54154	TT	AA	AA	INTERGENIC		
SNP_56318B_54260	scaffold798	NW_004516175.1	54260	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56319B_60561	scaffold798	NW_004516175.1	60561	TT	AA	AA	INTERGENIC		
SNP_56320B_60785	scaffold798	NW_004516175.1	60785	CC	AA	AA	INTERGENIC		
SNP_56321B_64015	scaffold798	NW_004516175.1	64015	AA	CC	CC	INTERGENIC		
SNP_56322B_64021	scaffold798	NW_004516175.1	64021	TT	AA	AA	INTERGENIC		
SNP_56323B_8869	scaffold801	NW_004516178.1	8869	GG	AA	AA	INTERGENIC		
SNP_56325B_11479	scaffold801	NW_004516178.1	11479	TT	CC	CC	INTERGENIC		
SNP_56326B_13169	scaffold801	NW_004516178.1	13169	CC	TT	TT	DRR	101496630	uncharacterized LOC101496630
SNP_56327B_24468	scaffold801	NW_004516178.1	24468	AA	CC	CC	INTERGENIC		
SNP_56328B_38182	scaffold801	NW_004516178.1	38182	AA	CC	CC	INTERGENIC		
SNP_56329B_38195	scaffold801	NW_004516178.1	38195	AA	GG	GG	INTERGENIC		
SNP_56330B_38203	scaffold801	NW_004516178.1	38203	CC	AA	AA	INTERGENIC		
SNP_56331B_38206	scaffold801	NW_004516178.1	38206	AA	GG	GG	INTERGENIC		
SNP_56332B_38208	scaffold801	NW_004516178.1	38208	GG	AA	AA	INTERGENIC		
SNP_56333B_38212	scaffold801	NW_004516178.1	38212	CC	TT	TT	INTERGENIC		
SNP_56334B_38221	scaffold801	NW_004516178.1	38221	AA	GG	GG	INTERGENIC		
SNP_56335B_38224	scaffold801	NW_004516178.1	38224	CC	TT	TT	INTERGENIC		
SNP_56336B_38235	scaffold801	NW_004516178.1	38235	TT	GG	GG	INTERGENIC		
SNP_56337B_38260	scaffold801	NW_004516178.1	38260	CC	AA	AA	INTERGENIC		
SNP_56338B_38290	scaffold801	NW_004516178.1	38290	AA	CC	CC	INTERGENIC		
SNP_56339B_38326	scaffold801	NW_004516178.1	38326	CC	AA	AA	INTERGENIC		
SNP_56340B_38327	scaffold801	NW_004516178.1	38327	AA	TT	TT	INTERGENIC		
SNP_56341B_38350	scaffold801	NW_004516178.1	38350	AA	GG	GG	INTERGENIC		
SNP_56342B_38359	scaffold801	NW_004516178.1	38359	TT	CC	CC	INTERGENIC		
SNP_56343B_38375	scaffold801	NW_004516178.1	38375	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56344B_40664	scaffold801	NW_004516178.1	40664	TT	CC	CC	INTERGENIC		
SNP_56345B_41089	scaffold801	NW_004516178.1	41089	AA	GG	GG	INTERGENIC		
SNP_56346B_45677	scaffold801	NW_004516178.1	45677	AA	CC	CC	NON_SYNONYMOUS_CODING	101496949	uncharacterized LOC101496949
SNP_56347B_47901	scaffold801	NW_004516178.1	47901	CC	TT	TT	INTERGENIC		
SNP_56348B_48071	scaffold801	NW_004516178.1	48071	TT	CC	CC	INTERGENIC		
SNP_56351B_95496	scaffold801	NW_004516178.1	95496	AA	TT	TT	INTERGENIC		
SNP_56352B_95875	scaffold801	NW_004516178.1	95875	TT	CC	CC	INTERGENIC		
SNP_56353B_96046	scaffold801	NW_004516178.1	96046	TT	CC	CC	INTERGENIC		
SNP_56354B_96468	scaffold801	NW_004516178.1	96468	CC	GG	GG	INTERGENIC		
SNP_56355B_96477	scaffold801	NW_004516178.1	96477	TT	CC	CC	INTERGENIC		
SNP_56356B_96866	scaffold801	NW_004516178.1	96866	TT	CC	CC	INTERGENIC		
SNP_56357B_96885	scaffold801	NW_004516178.1	96885	TT	CC	CC	INTERGENIC		
SNP_56358B_96968	scaffold801	NW_004516178.1	96968	AA	GG	GG	INTERGENIC		
SNP_56359B_97116	scaffold801	NW_004516178.1	97116	TT	CC	CC	INTERGENIC		
SNP_56360B_111993	scaffold801	NW_004516178.1	111993	GG	AA	AA	URR	101495433	uncharacterized LOC101495433
SNP_56361B_112906	scaffold801	NW_004516178.1	112906	CC	TT	TT	URR	101495433	uncharacterized LOC101495433
SNP_56362B_124319	scaffold801	NW_004516178.1	124319	CC	TT	TT	INTERGENIC		
SNP_56363B_126634	scaffold801	NW_004516178.1	126634	TT	AA	AA	INTERGENIC		
SNP_56364B_201267	scaffold801	NW_004516178.1	201267	AA	GG	GG	INTERGENIC		
SNP_56368B_1081	scaffold802	NW_004516179.1	1081	GG	TT	TT	INTERGENIC		
SNP_56369B_1373	scaffold802	NW_004516179.1	1373	AA	TT	TT	INTERGENIC		
SNP_56370B_1401	scaffold802	NW_004516179.1	1401	AA	GG	GG	INTERGENIC		
SNP_56371B_1425	scaffold802	NW_004516179.1	1425	AA	GG	GG	INTERGENIC		
SNP_56372B_22506	scaffold803	NW_004516180.1	22506	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56373B_22523	scaffold803	NW_004516180.1	22523	TT	CC	CC	INTERGENIC		
SNP_56374B_47696	scaffold803	NW_004516180.1	47696	AA	CC	CC	INTERGENIC		
SNP_56375B_48029	scaffold803	NW_004516180.1	48029	AA	GG	GG	INTERGENIC		
SNP_56376B_705	scaffold806	NW_004516181.1	705	AA	GG	GG	INTERGENIC		
SNP_56377B_1004	scaffold806	NW_004516181.1	1004	CC	TT	TT	INTERGENIC		
SNP_56378B_2228	scaffold806	NW_004516181.1	2228	GG	AA	AA	INTERGENIC		
SNP_56380B_28276	scaffold806	NW_004516181.1	28276	TT	AA	AA	INTERGENIC		
SNP_56381B_36957	scaffold806	NW_004516181.1	36957	TT	CC	CC	INTERGENIC		
SNP_56382B_49222	scaffold806	NW_004516181.1	49222	GG	TT	TT	INTERGENIC		
SNP_56383B_49543	scaffold806	NW_004516181.1	49543	TT	CC	CC	INTERGENIC		
SNP_56384B_49547	scaffold806	NW_004516181.1	49547	TT	CC	CC	INTERGENIC		
SNP_56385B_81716	scaffold806	NW_004516181.1	81716	AA	CC	CC	INTERGENIC		
SNP_56386B_81718	scaffold806	NW_004516181.1	81718	CC	TT	TT	INTERGENIC		
SNP_56387B_81968	scaffold806	NW_004516181.1	81968	TT	CC	CC	INTERGENIC		
SNP_56388B_81974	scaffold806	NW_004516181.1	81974	CC	AA	AA	INTERGENIC		
SNP_56389B_82121	scaffold806	NW_004516181.1	82121	TT	GG	GG	INTERGENIC		
SNP_56390B_82127	scaffold806	NW_004516181.1	82127	TT	CC	CC	INTERGENIC		
SNP_56391B_95286	scaffold806	NW_004516181.1	95286	GG	CC	CC	INTERGENIC		
SNP_56392B_95455	scaffold806	NW_004516181.1	95455	CC	AA	AA	INTERGENIC		
SNP_56393B_95470	scaffold806	NW_004516181.1	95470	AA	GG	GG	INTERGENIC		
SNP_56394B_130996	scaffold806	NW_004516181.1	130996	GG	AA	AA	INTERGENIC		
SNP_56395B_131457	scaffold806	NW_004516181.1	131457	TT	CC	CC	INTERGENIC		
SNP_56396B_131464	scaffold806	NW_004516181.1	131464	TT	CC	CC	INTERGENIC		
SNP_56397B_131501	scaffold806	NW_004516181.1	131501	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56398B_131537	scaffold806	NW_004516181.1	131537	TT	AA	AA	INTERGENIC		
SNP_56399B_131583	scaffold806	NW_004516181.1	131583	TT	GG	GG	INTERGENIC		
SNP_56400B_131704	scaffold806	NW_004516181.1	131704	CC	TT	TT	INTERGENIC		
SNP_56401B_131807	scaffold806	NW_004516181.1	131807	TT	CC	CC	INTERGENIC		
SNP_56402B_131817	scaffold806	NW_004516181.1	131817	AA	CC	CC	INTERGENIC		
SNP_56403B_131899	scaffold806	NW_004516181.1	131899	TT	CC	CC	INTERGENIC		
SNP_56404B_131964	scaffold806	NW_004516181.1	131964	GG	TT	TT	INTERGENIC		
SNP_56405B_131971	scaffold806	NW_004516181.1	131971	TT	CC	CC	INTERGENIC		
SNP_56406B_133312	scaffold806	NW_004516181.1	133312	TT	GG	GG	INTERGENIC		
SNP_56407B_133338	scaffold806	NW_004516181.1	133338	AA	GG	GG	INTERGENIC		
SNP_56408B_133344	scaffold806	NW_004516181.1	133344	TT	CC	CC	INTERGENIC		
SNP_56409B_133353	scaffold806	NW_004516181.1	133353	TT	CC	CC	INTERGENIC		
SNP_56410B_133542	scaffold806	NW_004516181.1	133542	TT	CC	CC	INTERGENIC		
SNP_56411B_133547	scaffold806	NW_004516181.1	133547	CC	TT	TT	INTERGENIC		
SNP_56412B_133628	scaffold806	NW_004516181.1	133628	AA	GG	GG	INTERGENIC		
SNP_56413B_3331	scaffold808	NW_004516182.1	3331	TT	AA	AA	INTERGENIC		
SNP_56414B_5085	scaffold808	NW_004516182.1	5085	GG	AA	AA	INTERGENIC		
SNP_56415B_5109	scaffold808	NW_004516182.1	5109	AA	GG	GG	INTERGENIC		
SNP_56416B_5579	scaffold808	NW_004516182.1	5579	AA	TT	TT	INTERGENIC		
SNP_56417B_108498	scaffold809	NW_004516183.1	108498	CC	AA	AA	INTERGENIC		
SNP_56418B_115075	scaffold809	NW_004516183.1	115075	TT	CC	CC	INTERGENIC		
SNP_56419B_115165	scaffold809	NW_004516183.1	115165	TT	CC	CC	INTERGENIC		
SNP_56420B_115391	scaffold809	NW_004516183.1	115391	TT	AA	AA	INTERGENIC		
SNP_56421B_115422	scaffold809	NW_004516183.1	115422	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56423B_112271	scaffold811	NW_004516184.1	112271	CC	GG	GG	INTRON	101501162	uncharacterized LOC101501162
SNP_56424B_112300	scaffold811	NW_004516184.1	112300	AA	GG	GG	INTRON	101501162	uncharacterized LOC101501162
SNP_56425B_112320	scaffold811	NW_004516184.1	112320	TT	AA	AA	INTRON	101501162	uncharacterized LOC101501162
SNP_56426B_112325	scaffold811	NW_004516184.1	112325	CC	AA	AA	INTRON	101501162	uncharacterized LOC101501162
SNP_56427B_112356	scaffold811	NW_004516184.1	112356	GG	AA	AA	INTRON	101501162	uncharacterized LOC101501162
SNP_56428B_112359	scaffold811	NW_004516184.1	112359	GG	AA	AA	INTRON	101501162	uncharacterized LOC101501162
SNP_56429B_112371	scaffold811	NW_004516184.1	112371	GG	AA	AA	INTRON	101501162	uncharacterized LOC101501162
SNP_56431B_127678	scaffold811	NW_004516184.1	127678	GG	TT	TT	INTERGENIC		
SNP_56432B_127998	scaffold811	NW_004516184.1	127998	GG	TT	TT	INTERGENIC		
SNP_56433B_128006	scaffold811	NW_004516184.1	128006	AA	GG	GG	INTERGENIC		
SNP_56434B_128021	scaffold811	NW_004516184.1	128021	TT	CC	CC	INTERGENIC		
SNP_56435B_128046	scaffold811	NW_004516184.1	128046	GG	AA	AA	INTERGENIC		
SNP_56436B_128051	scaffold811	NW_004516184.1	128051	TT	CC	CC	INTERGENIC		
SNP_56437B_128069	scaffold811	NW_004516184.1	128069	TT	CC	CC	INTERGENIC		
SNP_56438B_128110	scaffold811	NW_004516184.1	128110	AA	TT	TT	INTERGENIC		
SNP_56439B_128119	scaffold811	NW_004516184.1	128119	TT	AA	AA	INTERGENIC		
SNP_56441B_176430	scaffold811	NW_004516184.1	176430	TT	CC	CC	INTERGENIC		
SNP_56442B_186316	scaffold811	NW_004516184.1	186316	TT	AA	AA	INTERGENIC		
SNP_56443B_246449	scaffold811	NW_004516184.1	246449	AA	TT	TT	INTERGENIC		
SNP_56444B_249590	scaffold811	NW_004516184.1	249590	TT	CC	CC	INTERGENIC		
SNP_56445B_251698	scaffold811	NW_004516184.1	251698	GG	TT	TT	INTERGENIC		
SNP_56446B_258308	scaffold811	NW_004516184.1	258308	CC	AA	AA	INTERGENIC		
SNP_56447B_279069	scaffold811	NW_004516184.1	279069	CC	AA	AA	INTERGENIC		
SNP_56448B_303572	scaffold811	NW_004516184.1	303572	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56449B_306779	scaffold811	NW_004516184.1	306779	TT	CC	CC	INTERGENIC		
SNP_56450B_306788	scaffold811	NW_004516184.1	306788	CC	AA	AA	INTERGENIC		
SNP_56451B_306801	scaffold811	NW_004516184.1	306801	CC	TT	TT	INTERGENIC		
SNP_56452B_306803	scaffold811	NW_004516184.1	306803	AA	GG	GG	INTERGENIC		
SNP_56453B_306942	scaffold811	NW_004516184.1	306942	TT	CC	CC	INTERGENIC		
SNP_56454B_307177	scaffold811	NW_004516184.1	307177	GG	TT	TT	INTERGENIC		
SNP_56455B_307230	scaffold811	NW_004516184.1	307230	TT	CC	CC	INTERGENIC		
SNP_56456B_307254	scaffold811	NW_004516184.1	307254	TT	GG	GG	INTERGENIC		
SNP_56457B_308067	scaffold811	NW_004516184.1	308067	CC	TT	TT	INTERGENIC		
SNP_56458B_33858	scaffold812	NW_004516185.1	33858	GG	AA	AA	INTERGENIC		
SNP_56459B_60487	scaffold812	NW_004516185.1	60487	TT	AA	AA	INTERGENIC		
SNP_56460B_66503	scaffold812	NW_004516185.1	66503	AA	GG	GG	INTERGENIC		
SNP_56461B_82414	scaffold812	NW_004516185.1	82414	TT	GG	GG	INTERGENIC		
SNP_56462B_82742	scaffold812	NW_004516185.1	82742	TT	GG	GG	INTERGENIC		
SNP_56463B_82753	scaffold812	NW_004516185.1	82753	GG	AA	AA	INTERGENIC		
SNP_56464B_92197	scaffold812	NW_004516185.1	92197	TT	CC	CC	INTERGENIC		
SNP_56465B_92200	scaffold812	NW_004516185.1	92200	TT	CC	CC	INTERGENIC		
SNP_56466B_92532	scaffold812	NW_004516185.1	92532	TT	AA	AA	INTERGENIC		
SNP_56467B_105779	scaffold812	NW_004516185.1	105779	GG	AA	AA	INTERGENIC		
SNP_56468B_106066	scaffold812	NW_004516185.1	106066	CC	GG	GG	INTERGENIC		
SNP_56469B_106759	scaffold812	NW_004516185.1	106759	TT	GG	GG	INTERGENIC		
SNP_56470B_106866	scaffold812	NW_004516185.1	106866	GG	TT	TT	INTERGENIC		
SNP_56471B_106872	scaffold812	NW_004516185.1	106872	TT	GG	GG	INTERGENIC		
SNP_56472B_112029	scaffold812	NW_004516185.1	112029	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56473B_112084	scaffold812	NW_004516185.1	112084	AA	TT	TT	INTERGENIC		
SNP_56474B_112085	scaffold812	NW_004516185.1	112085	TT	GG	GG	INTERGENIC		
SNP_56475B_112372	scaffold812	NW_004516185.1	112372	GG	TT	TT	INTERGENIC		
SNP_56476B_112423	scaffold812	NW_004516185.1	112423	CC	TT	TT	INTERGENIC		
SNP_56477B_124490	scaffold812	NW_004516185.1	124490	AA	CC	CC	URR	101507059	uncharacterized LOC101507059
SNP_56478B_174274	scaffold812	NW_004516185.1	174274	AA	GG	GG	INTRON	101504045	uncharacterized LOC101504045
SNP_56479B_209911	scaffold812	NW_004516185.1	209911	CC	TT	TT	INTRON	101508327	Unknown function
SNP_56481B_215173	scaffold812	NW_004516185.1	215173	GG	AA	AA	INTERGENIC		
SNP_56483B_223568	scaffold812	NW_004516185.1	223568	TT	GG	GG	INTERGENIC		
SNP_56484B_235759	scaffold812	NW_004516185.1	235759	AA	GG	GG	INTERGENIC		
SNP_56486B_257430	scaffold812	NW_004516185.1	257430	AA	CC	CC	INTERGENIC		
SNP_56487B_260975	scaffold812	NW_004516185.1	260975	AA	GG	GG	INTERGENIC		
SNP_56488B_262711	scaffold812	NW_004516185.1	262711	TT	CC	CC	INTERGENIC		
SNP_56489B_265270	scaffold812	NW_004516185.1	265270	AA	GG	GG	INTERGENIC		
SNP_56490B_269464	scaffold812	NW_004516185.1	269464	CC	GG	GG	INTERGENIC		
SNP_56491B_274359	scaffold812	NW_004516185.1	274359	GG	CC	CC	INTERGENIC		
SNP_56492B_283601	scaffold812	NW_004516185.1	283601	GG	TT	TT	URR	101505855	geraniol 8-hydroxylase-like
SNP_56493B_295114	scaffold812	NW_004516185.1	295114	AA	TT	TT	INTERGENIC		
SNP_56494B_297551	scaffold812	NW_004516185.1	297551	TT	CC	CC	INTERGENIC		
SNP_56495B_297555	scaffold812	NW_004516185.1	297555	TT	GG	GG	INTERGENIC		
SNP_56496B_315760	scaffold812	NW_004516185.1	315760	AA	GG	GG	INTERGENIC		
SNP_56497B_326398	scaffold812	NW_004516185.1	326398	GG	TT	TT	INTRON	101509274	uncharacterized LOC101509274
SNP_56498B_334476	scaffold812	NW_004516185.1	334476	TT	CC	CC	INTERGENIC		
SNP_56499B_352165	scaffold812	NW_004516185.1	352165	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56500B_358708	scaffold812	NW_004516185.1	358708	AA	TT	TT	INTERGENIC		
SNP_56501B_368697	scaffold812	NW_004516185.1	368697	AA	GG	GG	INTERGENIC		
SNP_56502B_416529	scaffold812	NW_004516185.1	416529	TT	CC	CC	INTERGENIC		
SNP_56503B_416815	scaffold812	NW_004516185.1	416815	TT	CC	CC	INTERGENIC		
SNP_56504B_469760	scaffold812	NW_004516185.1	469760	AA	GG	GG	INTERGENIC		
SNP_56505B_470770	scaffold812	NW_004516185.1	470770	AA	GG	GG	INTERGENIC		
SNP_56507B_480922	scaffold812	NW_004516185.1	480922	AA	GG	GG	INTERGENIC		
SNP_56508B_486981	scaffold812	NW_004516185.1	486981	GG	CC	CC	INTERGENIC		
SNP_56509B_487058	scaffold812	NW_004516185.1	487058	TT	CC	CC	INTERGENIC		
SNP_56510B_487068	scaffold812	NW_004516185.1	487068	TT	CC	CC	INTERGENIC		
SNP_56511B_487198	scaffold812	NW_004516185.1	487198	TT	CC	CC	INTERGENIC		
SNP_56512B_487318	scaffold812	NW_004516185.1	487318	CC	GG	GG	INTERGENIC		
SNP_56513B_487327	scaffold812	NW_004516185.1	487327	TT	CC	CC	INTERGENIC		
SNP_56515B_487375	scaffold812	NW_004516185.1	487375	TT	AA	AA	INTERGENIC		
SNP_56516B_487403	scaffold812	NW_004516185.1	487403	GG	AA	AA	INTERGENIC		
SNP_56517B_525899	scaffold812	NW_004516185.1	525899	CC	TT	TT	DRR	101510898	Unknown function
SNP_56519B_525993	scaffold812	NW_004516185.1	525993	CC	TT	TT	DRR	101510898	Unknown function
SNP_56520B_526012	scaffold812	NW_004516185.1	526012	TT	CC	CC	DRR	101510898	Unknown function
SNP_56522B_526260	scaffold812	NW_004516185.1	526260	AA	TT	TT	DRR	101510898	Unknown function
SNP_56523B_526344	scaffold812	NW_004516185.1	526344	AA	TT	TT	DRR	101510898	Unknown function
SNP_56525B_548873	scaffold812	NW_004516185.1	548873	CC	TT	TT	INTERGENIC		
SNP_56526B_548963	scaffold812	NW_004516185.1	548963	GG	TT	TT	INTERGENIC		
SNP_56527B_3321	scaffold814	NW_004516186.1	3321	TT	AA	AA	INTERGENIC		
SNP_56528B_3510	scaffold814	NW_004516186.1	3510	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56529B_39755	scaffold814	NW_004516186.1	39755	AA	CC	CC	INTERGENIC		
SNP_56530B_39946	scaffold814	NW_004516186.1	39946	TT	CC	CC	INTERGENIC		
SNP_56531B_40067	scaffold814	NW_004516186.1	40067	AA	TT	TT	INTERGENIC		
SNP_56532B_40146	scaffold814	NW_004516186.1	40146	CC	TT	TT	INTERGENIC		
SNP_56533B_41240	scaffold814	NW_004516186.1	41240	AA	CC	CC	INTERGENIC		
SNP_56534B_41241	scaffold814	NW_004516186.1	41241	GG	CC	CC	INTERGENIC		
SNP_56535B_41260	scaffold814	NW_004516186.1	41260	AA	GG	GG	INTERGENIC		
SNP_56536B_41290	scaffold814	NW_004516186.1	41290	AA	TT	TT	INTERGENIC		
SNP_56537B_41351	scaffold814	NW_004516186.1	41351	GG	AA	AA	INTERGENIC		
SNP_56538B_41754	scaffold814	NW_004516186.1	41754	TT	GG	GG	INTERGENIC		
SNP_56539B_46460	scaffold814	NW_004516186.1	46460	GG	AA	AA	INTERGENIC		
SNP_56540B_46718	scaffold814	NW_004516186.1	46718	GG	CC	CC	INTERGENIC		
SNP_56541B_46790	scaffold814	NW_004516186.1	46790	AA	GG	GG	INTERGENIC		
SNP_56542B_4711	scaffold817	NW_004516188.1	4711	GG	AA	AA	INTERGENIC		
SNP_56543B_5351	scaffold817	NW_004516188.1	5351	CC	GG	GG	INTERGENIC		
SNP_56544B_1276	scaffold818	NW_004516189.1	1276	CC	GG	GG	INTERGENIC		
SNP_56545B_2007	scaffold818	NW_004516189.1	2007	CC	TT	TT	INTERGENIC		
SNP_56546B_2230	scaffold818	NW_004516189.1	2230	GG	CC	CC	INTERGENIC		
SNP_56548B_25318	scaffold820	NW_004516191.1	25318	GG	AA	AA	INTERGENIC		
SNP_56549B_30402	scaffold820	NW_004516191.1	30402	CC	GG	GG	INTERGENIC		
SNP_56550B_30417	scaffold820	NW_004516191.1	30417	GG	AA	AA	INTERGENIC		
SNP_56551B_37486	scaffold820	NW_004516191.1	37486	TT	CC	CC	INTERGENIC		
SNP_56552B_37490	scaffold820	NW_004516191.1	37490	GG	AA	AA	INTERGENIC		
SNP_56553B_37494	scaffold820	NW_004516191.1	37494	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56554B_37526	scaffold820	NW_004516191.1	37526	AA	GG	GG	INTERGENIC		
SNP_56555B_37553	scaffold820	NW_004516191.1	37553	GG	AA	AA	INTERGENIC		
SNP_56556B_39936	scaffold820	NW_004516191.1	39936	GG	AA	AA	INTERGENIC		
SNP_56557B_24535	scaffold823	NW_004516194.1	24535	CC	GG	GG	INTERGENIC		
SNP_56558B_24618	scaffold823	NW_004516194.1	24618	AA	GG	GG	INTERGENIC		
SNP_56559B_24635	scaffold823	NW_004516194.1	24635	AA	TT	TT	INTERGENIC		
SNP_56560B_24718	scaffold823	NW_004516194.1	24718	CC	TT	TT	INTERGENIC		
SNP_56561B_24744	scaffold823	NW_004516194.1	24744	TT	AA	AA	INTERGENIC		
SNP_56562B_24746	scaffold823	NW_004516194.1	24746	AA	GG	GG	INTERGENIC		
SNP_56563B_28092	scaffold823	NW_004516194.1	28092	CC	TT	TT	INTERGENIC		
SNP_56564B_28296	scaffold823	NW_004516194.1	28296	TT	CC	CC	INTERGENIC		
SNP_56565B_28344	scaffold823	NW_004516194.1	28344	AA	CC	CC	INTERGENIC		
SNP_56566B_28358	scaffold823	NW_004516194.1	28358	TT	CC	CC	INTERGENIC		
SNP_56567B_28360	scaffold823	NW_004516194.1	28360	CC	TT	TT	INTERGENIC		
SNP_56568B_28386	scaffold823	NW_004516194.1	28386	CC	TT	TT	INTERGENIC		
SNP_56569B_28415	scaffold823	NW_004516194.1	28415	CC	AA	AA	INTERGENIC		
SNP_56570B_28439	scaffold823	NW_004516194.1	28439	CC	AA	AA	INTERGENIC		
SNP_56571B_28464	scaffold823	NW_004516194.1	28464	CC	AA	AA	INTERGENIC		
SNP_56572B_28507	scaffold823	NW_004516194.1	28507	TT	CC	CC	INTERGENIC		
SNP_56573B_28509	scaffold823	NW_004516194.1	28509	AA	GG	GG	INTERGENIC		
SNP_56574B_28514	scaffold823	NW_004516194.1	28514	TT	CC	CC	INTERGENIC		
SNP_56575B_28613	scaffold823	NW_004516194.1	28613	GG	AA	AA	INTERGENIC		
SNP_56576B_28661	scaffold823	NW_004516194.1	28661	TT	GG	GG	INTERGENIC		
SNP_56577B_28682	scaffold823	NW_004516194.1	28682	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56578B_28769	scaffold823	NW_004516194.1	28769	GG	CC	CC	INTERGENIC		
SNP_56579B_28792	scaffold823	NW_004516194.1	28792	GG	TT	TT	INTERGENIC		
SNP_56580B_47551	scaffold823	NW_004516194.1	47551	AA	TT	TT	INTERGENIC		
SNP_56581B_47632	scaffold823	NW_004516194.1	47632	CC	GG	GG	INTERGENIC		
SNP_56582B_47683	scaffold823	NW_004516194.1	47683	TT	CC	CC	INTERGENIC		
SNP_56583B_47691	scaffold823	NW_004516194.1	47691	TT	CC	CC	INTERGENIC		
SNP_56584B_47817	scaffold823	NW_004516194.1	47817	TT	CC	CC	INTERGENIC		
SNP_56585B_47837	scaffold823	NW_004516194.1	47837	AA	CC	CC	INTERGENIC		
SNP_56586B_48128	scaffold823	NW_004516194.1	48128	TT	CC	CC	INTERGENIC		
SNP_56587B_48208	scaffold823	NW_004516194.1	48208	AA	TT	TT	INTERGENIC		
SNP_56588B_48216	scaffold823	NW_004516194.1	48216	AA	CC	CC	INTERGENIC		
SNP_56589B_49401	scaffold823	NW_004516194.1	49401	TT	GG	GG	INTERGENIC		
SNP_56590B_49547	scaffold823	NW_004516194.1	49547	GG	AA	AA	INTERGENIC		
SNP_56591B_49601	scaffold823	NW_004516194.1	49601	AA	TT	TT	INTERGENIC		
SNP_56592B_49643	scaffold823	NW_004516194.1	49643	AA	GG	GG	INTERGENIC		
SNP_56593B_53442	scaffold823	NW_004516194.1	53442	GG	TT	TT	INTERGENIC		
SNP_56594B_58544	scaffold823	NW_004516194.1	58544	CC	TT	TT	INTERGENIC		
SNP_56595B_60166	scaffold823	NW_004516194.1	60166	TT	CC	CC	INTERGENIC		
SNP_56596B_60461	scaffold823	NW_004516194.1	60461	TT	CC	CC	INTERGENIC		
SNP_56597B_60481	scaffold823	NW_004516194.1	60481	TT	CC	CC	INTERGENIC		
SNP_56598B_60509	scaffold823	NW_004516194.1	60509	TT	AA	AA	INTERGENIC		
SNP_56599B_61969	scaffold823	NW_004516194.1	61969	CC	TT	TT	INTERGENIC		
SNP_56600B_62011	scaffold823	NW_004516194.1	62011	TT	AA	AA	INTERGENIC		
SNP_56601B_62073	scaffold823	NW_004516194.1	62073	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56602B_62131	scaffold823	NW_004516194.1	62131	GG	AA	AA	INTERGENIC		
SNP_56603B_62138	scaffold823	NW_004516194.1	62138	CC	TT	TT	INTERGENIC		
SNP_56604B_62432	scaffold823	NW_004516194.1	62432	CC	TT	TT	INTERGENIC		
SNP_56605B_62826	scaffold823	NW_004516194.1	62826	AA	TT	TT	INTERGENIC		
SNP_56606B_62839	scaffold823	NW_004516194.1	62839	AA	GG	GG	INTERGENIC		
SNP_56607B_62933	scaffold823	NW_004516194.1	62933	TT	CC	CC	INTERGENIC		
SNP_56608B_63040	scaffold823	NW_004516194.1	63040	GG	AA	AA	INTERGENIC		
SNP_56609B_63320	scaffold823	NW_004516194.1	63320	CC	GG	GG	INTERGENIC		
SNP_56610B_63541	scaffold823	NW_004516194.1	63541	TT	AA	AA	INTERGENIC		
SNP_56612B_4616	scaffold824	NW_004516195.1	4616	AA	TT	TT	INTERGENIC		
SNP_56614B_7112	scaffold824	NW_004516195.1	7112	AA	TT	TT	INTERGENIC		
SNP_56616B_7136	scaffold824	NW_004516195.1	7136	GG	TT	TT	INTERGENIC		
SNP_56618B_7219	scaffold824	NW_004516195.1	7219	AA	GG	GG	INTERGENIC		
SNP_56619B_7224	scaffold824	NW_004516195.1	7224	GG	TT	TT	INTERGENIC		
SNP_56620B_7281	scaffold824	NW_004516195.1	7281	AA	TT	TT	INTERGENIC		
SNP_56621B_7289	scaffold824	NW_004516195.1	7289	GG	TT	TT	INTERGENIC		
SNP_56622B_7316	scaffold824	NW_004516195.1	7316	GG	TT	TT	INTERGENIC		
SNP_56623B_7460	scaffold824	NW_004516195.1	7460	CC	TT	TT	INTERGENIC		
SNP_56624B_11447	scaffold824	NW_004516195.1	11447	TT	AA	AA	INTERGENIC		
SNP_56625B_11465	scaffold824	NW_004516195.1	11465	CC	AA	AA	INTERGENIC		
SNP_56626B_11781	scaffold824	NW_004516195.1	11781	CC	TT	TT	INTERGENIC		
SNP_56627B_11788	scaffold824	NW_004516195.1	11788	GG	AA	AA	INTERGENIC		
SNP_56628B_11822	scaffold824	NW_004516195.1	11822	AA	TT	TT	INTERGENIC		
SNP_56629B_15866	scaffold824	NW_004516195.1	15866	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56630B_20326	scaffold824	NW_004516195.1	20326	AA	GG	GG	INTERGENIC		
SNP_56631B_20632	scaffold824	NW_004516195.1	20632	AA	TT	TT	INTERGENIC		
SNP_56632B_21302	scaffold824	NW_004516195.1	21302	TT	GG	GG	INTERGENIC		
SNP_56633B_21311	scaffold824	NW_004516195.1	21311	CC	TT	TT	INTERGENIC		
SNP_56634B_4716	scaffold825	NW_004516196.1	4716	TT	AA	AA	INTERGENIC		
SNP_56635B_7343	scaffold825	NW_004516196.1	7343	AA	GG	GG	INTERGENIC		
SNP_56636B_5381	scaffold829	NW_004516198.1	5381	GG	AA	AA	INTERGENIC		
SNP_56637B_8049	scaffold829	NW_004516198.1	8049	GG	AA	AA	INTERGENIC		
SNP_56639B_8357	scaffold829	NW_004516198.1	8357	GG	TT	TT	INTERGENIC		
SNP_56640B_8378	scaffold829	NW_004516198.1	8378	GG	AA	AA	INTERGENIC		
SNP_56641B_8409	scaffold829	NW_004516198.1	8409	CC	TT	TT	INTERGENIC		
SNP_56642B_8619	scaffold829	NW_004516198.1	8619	AA	GG	GG	INTERGENIC		
SNP_56643B_8671	scaffold829	NW_004516198.1	8671	TT	CC	CC	INTERGENIC		
SNP_56644B_8680	scaffold829	NW_004516198.1	8680	TT	CC	CC	INTERGENIC		
SNP_56645B_8749	scaffold829	NW_004516198.1	8749	GG	AA	AA	INTERGENIC		
SNP_56646B_8774	scaffold829	NW_004516198.1	8774	CC	TT	TT	INTERGENIC		
SNP_56647B_8783	scaffold829	NW_004516198.1	8783	CC	TT	TT	INTERGENIC		
SNP_56648B_8845	scaffold829	NW_004516198.1	8845	CC	TT	TT	INTERGENIC		
SNP_56649B_8935	scaffold829	NW_004516198.1	8935	GG	CC	CC	INTERGENIC		
SNP_56650B_8976	scaffold829	NW_004516198.1	8976	AA	CC	CC	INTERGENIC		
SNP_56651B_9026	scaffold829	NW_004516198.1	9026	AA	CC	CC	INTERGENIC		
SNP_56652B_9041	scaffold829	NW_004516198.1	9041	AA	GG	GG	INTERGENIC		
SNP_56653B_9045	scaffold829	NW_004516198.1	9045	CC	GG	GG	INTERGENIC		
SNP_56654B_9145	scaffold829	NW_004516198.1	9145	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56655B_9148	scaffold829	NW_004516198.1	9148	AA	GG	GG	INTERGENIC		
SNP_56656B_9151	scaffold829	NW_004516198.1	9151	TT	AA	AA	INTERGENIC		
SNP_56657B_9256	scaffold829	NW_004516198.1	9256	TT	CC	CC	INTERGENIC		
SNP_56658B_9263	scaffold829	NW_004516198.1	9263	AA	GG	GG	INTERGENIC		
SNP_56659B_9287	scaffold829	NW_004516198.1	9287	AA	GG	GG	INTERGENIC		
SNP_56660B_10623	scaffold829	NW_004516198.1	10623	GG	AA	AA	INTERGENIC		
SNP_56661B_10624	scaffold829	NW_004516198.1	10624	TT	AA	AA	INTERGENIC		
SNP_56662B_10773	scaffold829	NW_004516198.1	10773	TT	GG	GG	INTERGENIC		
SNP_56663B_10779	scaffold829	NW_004516198.1	10779	TT	GG	GG	INTERGENIC		
SNP_56664B_10818	scaffold829	NW_004516198.1	10818	CC	TT	TT	INTERGENIC		
SNP_56665B_10904	scaffold829	NW_004516198.1	10904	TT	AA	AA	INTERGENIC		
SNP_56667B_11096	scaffold829	NW_004516198.1	11096	GG	AA	AA	INTERGENIC		
SNP_56668B_12295	scaffold829	NW_004516198.1	12295	TT	AA	AA	INTERGENIC		
SNP_56669B_12375	scaffold829	NW_004516198.1	12375	CC	TT	TT	INTERGENIC		
SNP_56670B_12529	scaffold829	NW_004516198.1	12529	TT	GG	GG	INTERGENIC		
SNP_56671B_12630	scaffold829	NW_004516198.1	12630	TT	AA	AA	INTERGENIC		
SNP_56672B_12702	scaffold829	NW_004516198.1	12702	CC	TT	TT	INTERGENIC		
SNP_56673B_20348	scaffold831	NW_004516199.1	20348	AA	GG	GG	INTERGENIC		
SNP_56674B_34655	scaffold831	NW_004516199.1	34655	TT	CC	CC	INTERGENIC		
SNP_56675B_43625	scaffold831	NW_004516199.1	43625	AA	TT	TT	INTERGENIC		
SNP_56676B_43969	scaffold831	NW_004516199.1	43969	TT	CC	CC	INTERGENIC		
SNP_56677B_43980	scaffold831	NW_004516199.1	43980	CC	AA	AA	INTERGENIC		
SNP_56678B_52432	scaffold831	NW_004516199.1	52432	GG	TT	TT	INTERGENIC		
SNP_56679B_52910	scaffold831	NW_004516199.1	52910	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56680B_53765	scaffold831	NW_004516199.1	53765	TT	CC	CC	INTERGENIC		
SNP_56681B_54105	scaffold831	NW_004516199.1	54105	CC	AA	AA	INTERGENIC		
SNP_56682B_54143	scaffold831	NW_004516199.1	54143	AA	GG	GG	INTERGENIC		
SNP_56683B_56896	scaffold831	NW_004516199.1	56896	TT	AA	AA	INTERGENIC		
SNP_56684B_56920	scaffold831	NW_004516199.1	56920	CC	GG	GG	INTERGENIC		
SNP_56685B_65384	scaffold831	NW_004516199.1	65384	GG	AA	AA	INTERGENIC		
SNP_56686B_18452	scaffold833	NW_004516200.1	18452	AA	CC	CC	INTERGENIC		
SNP_56687B_546	scaffold840	NW_004516205.1	546	GG	AA	AA	INTERGENIC		
SNP_56688B_548	scaffold840	NW_004516205.1	548	TT	GG	GG	INTERGENIC		
SNP_56689B_64	scaffold841	NW_004516206.1	64	AA	GG	GG	INTERGENIC		
SNP_56690B_65	scaffold841	NW_004516206.1	65	CC	TT	TT	INTERGENIC		
SNP_56691B_200	scaffold841	NW_004516206.1	200	TT	CC	CC	INTERGENIC		
SNP_56693B_351	scaffold841	NW_004516206.1	351	AA	GG	GG	INTERGENIC		
SNP_56694B_428	scaffold841	NW_004516206.1	428	GG	TT	TT	INTERGENIC		
SNP_56696B_491	scaffold841	NW_004516206.1	491	TT	AA	AA	INTERGENIC		
SNP_56697B_541	scaffold841	NW_004516206.1	541	CC	TT	TT	INTERGENIC		
SNP_56698B_1189	scaffold841	NW_004516206.1	1189	CC	TT	TT	INTERGENIC		
SNP_56699B_2860	scaffold841	NW_004516206.1	2860	CC	TT	TT	INTERGENIC		
SNP_56700B_3123	scaffold841	NW_004516206.1	3123	GG	AA	AA	INTERGENIC		
SNP_56701B_3498	scaffold841	NW_004516206.1	3498	TT	CC	CC	INTERGENIC		
SNP_56702B_3514	scaffold841	NW_004516206.1	3514	GG	CC	CC	INTERGENIC		
SNP_56703B_3537	scaffold841	NW_004516206.1	3537	GG	AA	AA	INTERGENIC		
SNP_56704B_23721	scaffold841	NW_004516206.1	23721	GG	TT	TT	INTERGENIC		
SNP_56705B_37098	scaffold841	NW_004516206.1	37098	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56706B_37439	scaffold841	NW_004516206.1	37439	CC	AA	AA	INTERGENIC		
SNP_56707B_37647	scaffold841	NW_004516206.1	37647	CC	GG	GG	INTERGENIC		
SNP_56708B_568	scaffold842	NW_004516207.1	568	TT	CC	CC	INTERGENIC		
SNP_56709B_7684	scaffold842	NW_004516207.1	7684	TT	AA	AA	INTERGENIC		
SNP_56710B_7762	scaffold842	NW_004516207.1	7762	GG	AA	AA	INTERGENIC		
SNP_56711B_7771	scaffold842	NW_004516207.1	7771	AA	GG	GG	INTERGENIC		
SNP_56712B_15715	scaffold842	NW_004516207.1	15715	CC	TT	TT	INTERGENIC		
SNP_56713B_16207	scaffold842	NW_004516207.1	16207	GG	AA	AA	INTERGENIC		
SNP_56714B_20546	scaffold842	NW_004516207.1	20546	GG	TT	TT	INTERGENIC		
SNP_56715B_20547	scaffold842	NW_004516207.1	20547	GG	AA	AA	INTERGENIC		
SNP_56716B_20559	scaffold842	NW_004516207.1	20559	GG	CC	CC	INTERGENIC		
SNP_56717B_20584	scaffold842	NW_004516207.1	20584	GG	CC	CC	INTERGENIC		
SNP_56719B_29925	scaffold842	NW_004516207.1	29925	CC	AA	AA	INTERGENIC		
SNP_56720B_1448	scaffold843	NW_004516208.1	1448	GG	CC	CC	INTERGENIC		
SNP_56721B_1747	scaffold843	NW_004516208.1	1747	CC	TT	TT	INTERGENIC		
SNP_56722B_1817	scaffold843	NW_004516208.1	1817	CC	TT	TT	INTERGENIC		
SNP_56724B_2198	scaffold843	NW_004516208.1	2198	TT	CC	CC	INTERGENIC		
SNP_56725B_2350	scaffold843	NW_004516208.1	2350	GG	AA	AA	INTERGENIC		
SNP_56726B_2484	scaffold843	NW_004516208.1	2484	GG	AA	AA	INTERGENIC		
SNP_56727B_2945	scaffold843	NW_004516208.1	2945	CC	AA	AA	INTERGENIC		
SNP_56728B_3092	scaffold843	NW_004516208.1	3092	CC	AA	AA	INTERGENIC		
SNP_56729B_3118	scaffold843	NW_004516208.1	3118	GG	AA	AA	INTERGENIC		
SNP_56730B_4133	scaffold843	NW_004516208.1	4133	AA	GG	GG	INTERGENIC		
SNP_56731B_4155	scaffold843	NW_004516208.1	4155	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56732B_4565	scaffold843	NW_004516208.1	4565	AA	TT	TT	INTERGENIC		
SNP_56733B_6160	scaffold843	NW_004516208.1	6160	TT	AA	AA	INTERGENIC		
SNP_56735B_7286	scaffold845	NW_004516210.1	7286	TT	AA	AA	INTERGENIC		
SNP_56736B_7300	scaffold845	NW_004516210.1	7300	GG	CC	CC	INTERGENIC		
SNP_56737B_11886	scaffold845	NW_004516210.1	11886	TT	CC	CC	INTERGENIC		
SNP_56739B_17396	scaffold845	NW_004516210.1	17396	CC	AA	AA	INTERGENIC		
SNP_56740B_17443	scaffold845	NW_004516210.1	17443	TT	AA	AA	INTERGENIC		
SNP_56741B_17568	scaffold845	NW_004516210.1	17568	AA	GG	GG	INTERGENIC		
SNP_56742B_22557	scaffold845	NW_004516210.1	22557	TT	CC	CC	INTERGENIC		
SNP_56743B_24688	scaffold845	NW_004516210.1	24688	CC	TT	TT	INTERGENIC		
SNP_56744B_24690	scaffold845	NW_004516210.1	24690	AA	GG	GG	INTERGENIC		
SNP_56746B_28525	scaffold845	NW_004516210.1	28525	TT	AA	AA	INTRON	101513357	transcription factor bHLH57-like
SNP_56747B_28528	scaffold845	NW_004516210.1	28528	AA	GG	GG	INTRON	101513357	transcription factor bHLH57-like
SNP_56748B_32085	scaffold845	NW_004516210.1	32085	TT	GG	GG	URR	101513357	transcription factor bHLH57-like
SNP_56749B_32220	scaffold845	NW_004516210.1	32220	CC	AA	AA	URR	101513357	transcription factor bHLH57-like
SNP_56750B_32305	scaffold845	NW_004516210.1	32305	TT	AA	AA	URR	101513357	transcription factor bHLH57-like
SNP_56751B_32316	scaffold845	NW_004516210.1	32316	CC	AA	AA	URR	101513357	transcription factor bHLH57-like
SNP_56752B_32334	scaffold845	NW_004516210.1	32334	CC	TT	TT	URR	101513357	transcription factor bHLH57-like
SNP_56755B_41735	scaffold845	NW_004516210.1	41735	AA	TT	TT	INTERGENIC		
SNP_56756B_41738	scaffold845	NW_004516210.1	41738	TT	AA	AA	INTERGENIC		
SNP_56757B_41991	scaffold845	NW_004516210.1	41991	TT	AA	AA	INTERGENIC		
SNP_56759B_48005	scaffold845	NW_004516210.1	48005	AA	GG	GG	URR	101513677	metal tolerance protein 1-like
SNP_56760B_48013	scaffold845	NW_004516210.1	48013	AA	TT	TT	URR	101513677	metal tolerance protein 1-like
SNP_56761B_48041	scaffold845	NW_004516210.1	48041	TT	CC	CC	URR	101513677	metal tolerance protein 1-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56763B_51722	scaffold845	NW_004516210.1	51722	TT	CC	CC	INTERGENIC		
SNP_56764B_61826	scaffold845	NW_004516210.1	61826	CC	AA	AA	INTERGENIC		
SNP_56767B_71993	scaffold845	NW_004516210.1	71993	CC	AA	AA	INTERGENIC		
SNP_56768B_81663	scaffold845	NW_004516210.1	81663	CC	TT	TT	INTERGENIC		
SNP_56769B_81791	scaffold845	NW_004516210.1	81791	TT	CC	CC	INTERGENIC		
SNP_56770B_81969	scaffold845	NW_004516210.1	81969	CC	TT	TT	INTERGENIC		
SNP_56771B_82013	scaffold845	NW_004516210.1	82013	TT	GG	GG	INTERGENIC		
SNP_56772B_82147	scaffold845	NW_004516210.1	82147	TT	GG	GG	INTERGENIC		
SNP_56773B_82176	scaffold845	NW_004516210.1	82176	CC	TT	TT	INTERGENIC		
SNP_56774B_82259	scaffold845	NW_004516210.1	82259	TT	CC	CC	INTERGENIC		
SNP_56775B_82272	scaffold845	NW_004516210.1	82272	GG	CC	CC	INTERGENIC		
SNP_56776B_82337	scaffold845	NW_004516210.1	82337	AA	TT	TT	INTERGENIC		
SNP_56777B_84660	scaffold845	NW_004516210.1	84660	CC	AA	AA	INTERGENIC		
SNP_56778B_85453	scaffold845	NW_004516210.1	85453	GG	CC	CC	INTERGENIC		
SNP_56779B_100646	scaffold845	NW_004516210.1	100646	TT	CC	CC	INTERGENIC		
SNP_56780B_100879	scaffold845	NW_004516210.1	100879	CC	TT	TT	INTERGENIC		
SNP_56781B_101068	scaffold845	NW_004516210.1	101068	CC	TT	TT	DRR	101491015	28 kDa ribonucleoprotein, chloroplastic-like
SNP_56782B_101199	scaffold845	NW_004516210.1	101199	AA	GG	GG	DRR	101491015	28 kDa ribonucleoprotein, chloroplastic-like
SNP_56783B_101670	scaffold845	NW_004516210.1	101670	GG	TT	TT	DRR	101491015	28 kDa ribonucleoprotein, chloroplastic-like
SNP_56784B_102579	scaffold845	NW_004516210.1	102579	AA	GG	GG	INTRON	101491015	28 kDa ribonucleoprotein, chloroplastic-like
SNP_56787B_103739	scaffold845	NW_004516210.1	103739	AA	TT	TT	SYNONYMOUS_CODING	101491015	28 kDa ribonucleoprotein, chloroplastic-like
SNP_56788B_105792	scaffold845	NW_004516210.1	105792	CC	GG	GG	INTRON	101491015	28 kDa ribonucleoprotein, chloroplastic-like
SNP_56789B_105896	scaffold845	NW_004516210.1	105896	AA	GG	GG	INTRON	101491015	28 kDa ribonucleoprotein, chloroplastic-like
SNP_56790B_106176	scaffold845	NW_004516210.1	106176	GG	TT	TT	URR	101491015	28 kDa ribonucleoprotein, chloroplastic-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56791B_106240	scaffold845	NW_004516210.1	106240	CC	GG	GG	URR	101491015	28 kDa ribonucleoprotein, chloroplastic-like
SNP_56792B_111219	scaffold845	NW_004516210.1	111219	GG	AA	AA	INTERGENIC		
SNP_56793B_115353	scaffold845	NW_004516210.1	115353	AA	GG	GG	INTERGENIC		
SNP_56795B_116273	scaffold845	NW_004516210.1	116273	AA	GG	GG	INTERGENIC		
SNP_56796B_116911	scaffold845	NW_004516210.1	116911	TT	AA	AA	INTERGENIC		
SNP_56797B_116925	scaffold845	NW_004516210.1	116925	TT	CC	CC	INTERGENIC		
SNP_56798B_126563	scaffold845	NW_004516210.1	126563	GG	AA	AA	INTERGENIC		
SNP_56799B_132645	scaffold845	NW_004516210.1	132645	TT	CC	CC	URR	101514768	pyruvate dehydrogenase E1 component subunit alpha-3, chloroplastic-like
SNP_56800B_132669	scaffold845	NW_004516210.1	132669	CC	TT	TT	URR	101514768	pyruvate dehydrogenase E1 component subunit alpha-3, chloroplastic-like
SNP_56802B_133339	scaffold845	NW_004516210.1	133339	AA	GG	GG	DRR	101410594	transfer RNA cysteine (anticodon GCA)
SNP_56803B_149336	scaffold845	NW_004516210.1	149336	GG	TT	TT	INTERGENIC		
SNP_56804B_163122	scaffold845	NW_004516210.1	163122	CC	TT	TT	INTERGENIC		
SNP_56807B_170646	scaffold845	NW_004516210.1	170646	AA	TT	TT	INTERGENIC		
SNP_56808B_170652	scaffold845	NW_004516210.1	170652	CC	TT	TT	INTERGENIC		
SNP_56809B_171895	scaffold845	NW_004516210.1	171895	CC	TT	TT	INTERGENIC		
SNP_56810B_172303	scaffold845	NW_004516210.1	172303	CC	TT	TT	INTERGENIC		
SNP_56812B_230609	scaffold845	NW_004516210.1	230609	GG	TT	TT	INTERGENIC		
SNP_56813B_231000	scaffold845	NW_004516210.1	231000	TT	GG	GG	INTERGENIC		
SNP_56814B_245481	scaffold845	NW_004516210.1	245481	CC	AA	AA	INTERGENIC		
SNP_56815B_259948	scaffold845	NW_004516210.1	259948	GG	AA	AA	INTERGENIC		
SNP_56816B_266194	scaffold845	NW_004516210.1	266194	CC	TT	TT	INTERGENIC		
SNP_56817B_266217	scaffold845	NW_004516210.1	266217	TT	CC	CC	INTERGENIC		
SNP_56818B_266232	scaffold845	NW_004516210.1	266232	AA	GG	GG	INTERGENIC		
SNP_56819B_266246	scaffold845	NW_004516210.1	266246	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56821B_330092	scaffold845	NW_004516210.1	330092	AA	GG	GG	INTERGENIC		
SNP_56822B_330559	scaffold845	NW_004516210.1	330559	CC	TT	TT	INTERGENIC		
SNP_56823B_331886	scaffold845	NW_004516210.1	331886	AA	GG	GG	INTERGENIC		
SNP_56825B_331991	scaffold845	NW_004516210.1	331991	CC	GG	GG	INTERGENIC		
SNP_56826B_332163	scaffold845	NW_004516210.1	332163	TT	CC	CC	INTERGENIC		
SNP_56827B_332193	scaffold845	NW_004516210.1	332193	TT	CC	CC	INTERGENIC		
SNP_56828B_332518	scaffold845	NW_004516210.1	332518	TT	GG	GG	INTERGENIC		
SNP_56829B_335165	scaffold845	NW_004516210.1	335165	TT	GG	GG	INTERGENIC		
SNP_56830B_347505	scaffold845	NW_004516210.1	347505	AA	GG	GG	INTERGENIC		
SNP_56831B_31676	scaffold847	NW_004516211.1	31676	CC	TT	TT	INTERGENIC		
SNP_56832B_31706	scaffold847	NW_004516211.1	31706	TT	CC	CC	INTERGENIC		
SNP_56833B_32094	scaffold847	NW_004516211.1	32094	GG	AA	AA	INTERGENIC		
SNP_56834B_32231	scaffold847	NW_004516211.1	32231	AA	TT	TT	INTERGENIC		
SNP_56835B_76023	scaffold847	NW_004516211.1	76023	CC	TT	TT	INTERGENIC		
SNP_56836B_76109	scaffold847	NW_004516211.1	76109	CC	TT	TT	INTERGENIC		
SNP_56837B_91512	scaffold847	NW_004516211.1	91512	TT	GG	GG	INTERGENIC		
SNP_56838B_113644	scaffold847	NW_004516211.1	113644	CC	TT	TT	INTRON	101492180	clustered mitochondria protein
SNP_56839B_117214	scaffold847	NW_004516211.1	117214	CC	TT	TT	URR	101492180	clustered mitochondria protein
SNP_56840B_130062	scaffold847	NW_004516211.1	130062	GG	AA	AA	INTERGENIC		
SNP_56841B_251623	scaffold847	NW_004516211.1	251623	TT	CC	CC	INTERGENIC		
SNP_56842B_23811	scaffold848	NW_004516212.1	23811	AA	TT	TT	INTERGENIC		
SNP_56843B_23934	scaffold848	NW_004516212.1	23934	AA	TT	TT	INTERGENIC		
SNP_56844B_23937	scaffold848	NW_004516212.1	23937	CC	TT	TT	INTERGENIC		
SNP_56845B_24094	scaffold848	NW_004516212.1	24094	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56846B_24161	scaffold848	NW_004516212.1	24161	CC	TT	TT	INTERGENIC		
SNP_56847B_24201	scaffold848	NW_004516212.1	24201	TT	CC	CC	INTERGENIC		
SNP_56848B_155978	scaffold848	NW_004516212.1	155978	TT	AA	AA	URR	101497503	uncharacterized LOC101497503
SNP_56849B_180726	scaffold848	NW_004516212.1	180726	AA	CC	CC	INTERGENIC		
SNP_56850B_180803	scaffold848	NW_004516212.1	180803	AA	GG	GG	INTERGENIC		
SNP_56851B_234587	scaffold848	NW_004516212.1	234587	TT	GG	GG	INTERGENIC		
SNP_56852B_1830	scaffold850	NW_004516213.1	1830	GG	TT	TT	INTERGENIC		
SNP_56853B_11668	scaffold853	NW_004516215.1	11668	CC	TT	TT	INTERGENIC		
SNP_56854B_11669	scaffold853	NW_004516215.1	11669	TT	AA	AA	INTERGENIC		
SNP_56855B_5529	scaffold854	NW_004516216.1	5529	CC	TT	TT	INTERGENIC		
SNP_56856B_17397	scaffold855	NW_004516217.1	17397	CC	TT	TT	INTERGENIC		
SNP_56857B_27078	scaffold855	NW_004516217.1	27078	TT	CC	CC	INTERGENIC		
SNP_56859B_30940	scaffold855	NW_004516217.1	30940	TT	AA	AA	INTERGENIC		
SNP_56860B_30944	scaffold855	NW_004516217.1	30944	CC	TT	TT	INTERGENIC		
SNP_56861B_30980	scaffold855	NW_004516217.1	30980	TT	CC	CC	INTERGENIC		
SNP_56862B_31035	scaffold855	NW_004516217.1	31035	AA	TT	TT	INTERGENIC		
SNP_56863B_31043	scaffold855	NW_004516217.1	31043	AA	GG	GG	INTERGENIC		
SNP_56864B_31066	scaffold855	NW_004516217.1	31066	TT	CC	CC	INTERGENIC		
SNP_56865B_31084	scaffold855	NW_004516217.1	31084	GG	CC	CC	INTERGENIC		
SNP_56866B_31111	scaffold855	NW_004516217.1	31111	CC	TT	TT	INTERGENIC		
SNP_56867B_31124	scaffold855	NW_004516217.1	31124	GG	TT	TT	INTERGENIC		
SNP_56868B_31143	scaffold855	NW_004516217.1	31143	AA	GG	GG	INTERGENIC		
SNP_56870B_31223	scaffold855	NW_004516217.1	31223	TT	CC	CC	INTERGENIC		
SNP_56871B_31228	scaffold855	NW_004516217.1	31228	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56872B_31264	scaffold855	NW_004516217.1	31264	GG	CC	CC	INTERGENIC		
SNP_56873B_31272	scaffold855	NW_004516217.1	31272	CC	TT	TT	INTERGENIC		
SNP_56874B_31289	scaffold855	NW_004516217.1	31289	AA	GG	GG	INTERGENIC		
SNP_56875B_31304	scaffold855	NW_004516217.1	31304	AA	CC	CC	INTERGENIC		
SNP_56876B_31335	scaffold855	NW_004516217.1	31335	CC	TT	TT	INTERGENIC		
SNP_56877B_31367	scaffold855	NW_004516217.1	31367	AA	GG	GG	INTERGENIC		
SNP_56879B_31533	scaffold855	NW_004516217.1	31533	CC	TT	TT	INTERGENIC		
SNP_56880B_31555	scaffold855	NW_004516217.1	31555	TT	CC	CC	INTERGENIC		
SNP_56881B_31696	scaffold855	NW_004516217.1	31696	GG	TT	TT	INTERGENIC		
SNP_56882B_31753	scaffold855	NW_004516217.1	31753	GG	TT	TT	INTERGENIC		
SNP_56883B_4117	scaffold857	NW_004516219.1	4117	AA	GG	GG	INTERGENIC		
SNP_56884B_4149	scaffold857	NW_004516219.1	4149	TT	CC	CC	INTERGENIC		
SNP_56885B_24221	scaffold857	NW_004516219.1	24221	GG	AA	AA	INTERGENIC		
SNP_56887B_24415	scaffold857	NW_004516219.1	24415	GG	TT	TT	INTERGENIC		
SNP_56888B_24420	scaffold857	NW_004516219.1	24420	AA	TT	TT	INTERGENIC		
SNP_56890B_24455	scaffold857	NW_004516219.1	24455	AA	GG	GG	INTERGENIC		
SNP_56891B_24528	scaffold857	NW_004516219.1	24528	AA	GG	GG	INTERGENIC		
SNP_56892B_26553	scaffold857	NW_004516219.1	26553	AA	GG	GG	INTERGENIC		
SNP_56893B_26579	scaffold857	NW_004516219.1	26579	TT	CC	CC	INTERGENIC		
SNP_56894B_26928	scaffold857	NW_004516219.1	26928	TT	GG	GG	INTERGENIC		
SNP_56895B_27081	scaffold857	NW_004516219.1	27081	TT	GG	GG	INTERGENIC		
SNP_56897B_26063	scaffold859	NW_004516221.1	26063	CC	AA	AA	INTERGENIC		
SNP_56898B_26131	scaffold859	NW_004516221.1	26131	AA	GG	GG	INTERGENIC		
SNP_56900B_27516	scaffold859	NW_004516221.1	27516	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56901B_63280	scaffold859	NW_004516221.1	63280	GG	AA	AA	INTERGENIC		
SNP_56902B_63281	scaffold859	NW_004516221.1	63281	AA	TT	TT	INTERGENIC		
SNP_56903B_85448	scaffold859	NW_004516221.1	85448	TT	GG	GG	INTERGENIC		
SNP_56904B_85673	scaffold859	NW_004516221.1	85673	GG	AA	AA	INTERGENIC		
SNP_56905B_3546	scaffold860	NW_004516222.1	3546	AA	CC	CC	INTERGENIC		
SNP_56906B_3588	scaffold860	NW_004516222.1	3588	TT	CC	CC	INTERGENIC		
SNP_56907B_4197	scaffold860	NW_004516222.1	4197	GG	CC	CC	INTERGENIC		
SNP_56908B_170	scaffold862	NW_004516224.1	170	AA	GG	GG	INTERGENIC		
SNP_56909B_196	scaffold862	NW_004516224.1	196	CC	TT	TT	INTERGENIC		
SNP_56910B_309	scaffold862	NW_004516224.1	309	AA	GG	GG	INTERGENIC		
SNP_56911B_389	scaffold862	NW_004516224.1	389	TT	AA	AA	INTERGENIC		
SNP_56912B_18673	scaffold862	NW_004516224.1	18673	GG	AA	AA	INTERGENIC		
SNP_56913B_22403	scaffold862	NW_004516224.1	22403	CC	AA	AA	INTERGENIC		
SNP_56914B_22699	scaffold862	NW_004516224.1	22699	AA	GG	GG	INTERGENIC		
SNP_56915B_22726	scaffold862	NW_004516224.1	22726	AA	TT	TT	INTERGENIC		
SNP_56916B_22787	scaffold862	NW_004516224.1	22787	AA	CC	CC	INTERGENIC		
SNP_56917B_23160	scaffold862	NW_004516224.1	23160	GG	AA	AA	INTERGENIC		
SNP_56918B_28164	scaffold862	NW_004516224.1	28164	AA	GG	GG	INTERGENIC		
SNP_56919B_28421	scaffold862	NW_004516224.1	28421	GG	AA	AA	INTERGENIC		
SNP_56920B_28926	scaffold862	NW_004516224.1	28926	AA	GG	GG	INTERGENIC		
SNP_56921B_29004	scaffold862	NW_004516224.1	29004	TT	CC	CC	INTERGENIC		
SNP_56922B_29013	scaffold862	NW_004516224.1	29013	GG	TT	TT	INTERGENIC		
SNP_56923B_29141	scaffold862	NW_004516224.1	29141	TT	CC	CC	INTERGENIC		
SNP_56924B_29169	scaffold862	NW_004516224.1	29169	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56925B_29171	scaffold862	NW_004516224.1	29171	GG	CC	CC	INTERGENIC		
SNP_56926B_29186	scaffold862	NW_004516224.1	29186	AA	CC	CC	INTERGENIC		
SNP_56927B_29191	scaffold862	NW_004516224.1	29191	CC	AA	AA	INTERGENIC		
SNP_56928B_32490	scaffold862	NW_004516224.1	32490	TT	CC	CC	INTERGENIC		
SNP_56929B_32501	scaffold862	NW_004516224.1	32501	AA	GG	GG	INTERGENIC		
SNP_56930B_32509	scaffold862	NW_004516224.1	32509	TT	CC	CC	INTERGENIC		
SNP_56931B_32551	scaffold862	NW_004516224.1	32551	AA	GG	GG	INTERGENIC		
SNP_56932B_32980	scaffold862	NW_004516224.1	32980	CC	TT	TT	INTERGENIC		
SNP_56933B_33257	scaffold862	NW_004516224.1	33257	TT	GG	GG	INTERGENIC		
SNP_56934B_34615	scaffold862	NW_004516224.1	34615	AA	TT	TT	INTERGENIC		
SNP_56935B_34747	scaffold862	NW_004516224.1	34747	TT	GG	GG	INTERGENIC		
SNP_56936B_34787	scaffold862	NW_004516224.1	34787	GG	TT	TT	INTERGENIC		
SNP_56937B_34865	scaffold862	NW_004516224.1	34865	AA	GG	GG	INTERGENIC		
SNP_56938B_35019	scaffold862	NW_004516224.1	35019	TT	GG	GG	INTERGENIC		
SNP_56939B_35058	scaffold862	NW_004516224.1	35058	CC	TT	TT	INTERGENIC		
SNP_56940B_35059	scaffold862	NW_004516224.1	35059	TT	CC	CC	INTERGENIC		
SNP_56941B_35060	scaffold862	NW_004516224.1	35060	GG	TT	TT	INTERGENIC		
SNP_56942B_35218	scaffold862	NW_004516224.1	35218	AA	GG	GG	INTERGENIC		
SNP_56943B_35221	scaffold862	NW_004516224.1	35221	CC	TT	TT	INTERGENIC		
SNP_56944B_35233	scaffold862	NW_004516224.1	35233	TT	AA	AA	INTERGENIC		
SNP_56945B_35280	scaffold862	NW_004516224.1	35280	AA	CC	CC	INTERGENIC		
SNP_56946B_35862	scaffold862	NW_004516224.1	35862	GG	AA	AA	INTERGENIC		
SNP_56947B_35940	scaffold862	NW_004516224.1	35940	AA	GG	GG	INTERGENIC		
SNP_56948B_35943	scaffold862	NW_004516224.1	35943	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56949B_36078	scaffold862	NW_004516224.1	36078	TT	AA	AA	INTERGENIC		
SNP_56950B_36132	scaffold862	NW_004516224.1	36132	AA	CC	CC	INTERGENIC		
SNP_56951B_36137	scaffold862	NW_004516224.1	36137	AA	TT	TT	INTERGENIC		
SNP_56952B_44268	scaffold862	NW_004516224.1	44268	AA	TT	TT	INTERGENIC		
SNP_56953B_44289	scaffold862	NW_004516224.1	44289	TT	GG	GG	INTERGENIC		
SNP_56954B_44306	scaffold862	NW_004516224.1	44306	CC	AA	AA	INTERGENIC		
SNP_56955B_44308	scaffold862	NW_004516224.1	44308	TT	CC	CC	INTERGENIC		
SNP_56956B_44403	scaffold862	NW_004516224.1	44403	TT	AA	AA	INTERGENIC		
SNP_56957B_44556	scaffold862	NW_004516224.1	44556	AA	GG	GG	INTERGENIC		
SNP_56958B_44659	scaffold862	NW_004516224.1	44659	GG	AA	AA	INTERGENIC		
SNP_56959B_44772	scaffold862	NW_004516224.1	44772	TT	GG	GG	INTERGENIC		
SNP_56960B_48916	scaffold862	NW_004516224.1	48916	AA	CC	CC	INTERGENIC		
SNP_56961B_48949	scaffold862	NW_004516224.1	48949	CC	TT	TT	INTERGENIC		
SNP_56962B_49250	scaffold862	NW_004516224.1	49250	CC	AA	AA	INTERGENIC		
SNP_56963B_51094	scaffold862	NW_004516224.1	51094	TT	AA	AA	INTERGENIC		
SNP_56964B_51105	scaffold862	NW_004516224.1	51105	GG	TT	TT	INTERGENIC		
SNP_56965B_51170	scaffold862	NW_004516224.1	51170	AA	GG	GG	INTERGENIC		
SNP_56966B_51305	scaffold862	NW_004516224.1	51305	TT	AA	AA	INTERGENIC		
SNP_56967B_51410	scaffold862	NW_004516224.1	51410	AA	GG	GG	INTERGENIC		
SNP_56968B_51631	scaffold862	NW_004516224.1	51631	GG	AA	AA	INTERGENIC		
SNP_56969B_51741	scaffold862	NW_004516224.1	51741	GG	CC	CC	INTERGENIC		
SNP_56970B_55754	scaffold862	NW_004516224.1	55754	TT	CC	CC	INTERGENIC		
SNP_56971B_59838	scaffold862	NW_004516224.1	59838	CC	TT	TT	INTERGENIC		
SNP_56972B_59853	scaffold862	NW_004516224.1	59853	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56973B_59897	scaffold862	NW_004516224.1	59897	GG	CC	CC	INTERGENIC		
SNP_56974B_59898	scaffold862	NW_004516224.1	59898	TT	GG	GG	INTERGENIC		
SNP_56975B_59957	scaffold862	NW_004516224.1	59957	GG	TT	TT	INTERGENIC		
SNP_56976B_60085	scaffold862	NW_004516224.1	60085	AA	CC	CC	INTERGENIC		
SNP_56977B_60100	scaffold862	NW_004516224.1	60100	GG	TT	TT	INTERGENIC		
SNP_56978B_60101	scaffold862	NW_004516224.1	60101	AA	GG	GG	INTERGENIC		
SNP_56979B_60121	scaffold862	NW_004516224.1	60121	TT	GG	GG	INTERGENIC		
SNP_56980B_60156	scaffold862	NW_004516224.1	60156	AA	GG	GG	INTERGENIC		
SNP_56981B_60300	scaffold862	NW_004516224.1	60300	GG	AA	AA	INTERGENIC		
SNP_56982B_60304	scaffold862	NW_004516224.1	60304	CC	TT	TT	INTERGENIC		
SNP_56983B_60350	scaffold862	NW_004516224.1	60350	GG	AA	AA	INTERGENIC		
SNP_56984B_927	scaffold863	NW_004516225.1	927	AA	GG	GG	INTERGENIC		
SNP_56985B_964	scaffold863	NW_004516225.1	964	TT	CC	CC	INTERGENIC		
SNP_56986B_979	scaffold863	NW_004516225.1	979	CC	GG	GG	INTERGENIC		
SNP_56987B_40638	scaffold864	NW_004516226.1	40638	CC	TT	TT	INTERGENIC		
SNP_56988B_40648	scaffold864	NW_004516226.1	40648	GG	AA	AA	INTERGENIC		
SNP_56989B_40679	scaffold864	NW_004516226.1	40679	AA	GG	GG	INTERGENIC		
SNP_56990B_40686	scaffold864	NW_004516226.1	40686	TT	AA	AA	INTERGENIC		
SNP_56991B_40714	scaffold864	NW_004516226.1	40714	GG	AA	AA	INTERGENIC		
SNP_56992B_77109	scaffold864	NW_004516226.1	77109	GG	AA	AA	INTERGENIC		
SNP_56993B_77120	scaffold864	NW_004516226.1	77120	AA	GG	GG	INTERGENIC		
SNP_56994B_105759	scaffold864	NW_004516226.1	105759	CC	AA	AA	INTERGENIC		
SNP_56995B_105801	scaffold864	NW_004516226.1	105801	CC	TT	TT	INTERGENIC		
SNP_56996B_105810	scaffold864	NW_004516226.1	105810	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_56997B_119943	scaffold864	NW_004516226.1	119943	CC	GG	GG	URR	101501995	short-chain dehydrogenase TIC 32, chloroplastic-like
SNP_56998B_120916	scaffold864	NW_004516226.1	120916	GG	CC	CC	INTERGENIC		
SNP_56999B_168637	scaffold864	NW_004516226.1	168637	TT	CC	CC	INTERGENIC		
SNP_57000B_168665	scaffold864	NW_004516226.1	168665	GG	TT	TT	INTERGENIC		
SNP_57002B_248165	scaffold864	NW_004516226.1	248165	GG	TT	TT	INTERGENIC		
SNP_57003B_248243	scaffold864	NW_004516226.1	248243	AA	CC	CC	INTERGENIC		
SNP_57004B_248259	scaffold864	NW_004516226.1	248259	TT	AA	AA	INTERGENIC		
SNP_57005B_248269	scaffold864	NW_004516226.1	248269	AA	GG	GG	INTERGENIC		
SNP_57006B_248686	scaffold864	NW_004516226.1	248686	AA	CC	CC	INTERGENIC		
SNP_57007B_248707	scaffold864	NW_004516226.1	248707	TT	CC	CC	INTERGENIC		
SNP_57008B_290579	scaffold864	NW_004516226.1	290579	AA	CC	CC	INTERGENIC		
SNP_57009B_290589	scaffold864	NW_004516226.1	290589	TT	AA	AA	INTERGENIC		
SNP_57010B_290641	scaffold864	NW_004516226.1	290641	TT	CC	CC	INTERGENIC		
SNP_57011B_290883	scaffold864	NW_004516226.1	290883	TT	AA	AA	INTERGENIC		
SNP_57012B_290958	scaffold864	NW_004516226.1	290958	CC	TT	TT	INTERGENIC		
SNP_57013B_290969	scaffold864	NW_004516226.1	290969	TT	CC	CC	INTERGENIC		
SNP_57014B_294755	scaffold864	NW_004516226.1	294755	CC	TT	TT	INTERGENIC		
SNP_57015B_323047	scaffold864	NW_004516226.1	323047	CC	TT	TT	INTERGENIC		
SNP_57016B_323086	scaffold864	NW_004516226.1	323086	AA	GG	GG	INTERGENIC		
SNP_57017B_323089	scaffold864	NW_004516226.1	323089	GG	AA	AA	INTERGENIC		
SNP_57018B_323735	scaffold864	NW_004516226.1	323735	GG	AA	AA	INTERGENIC		
SNP_57019B_323867	scaffold864	NW_004516226.1	323867	GG	TT	TT	INTERGENIC		
SNP_57020B_323875	scaffold864	NW_004516226.1	323875	TT	CC	CC	INTERGENIC		
SNP_57021B_2359	scaffold865	NW_004516227.1	2359	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57022B_7502	scaffold865	NW_004516227.1	7502	GG	TT	TT	INTERGENIC		
SNP_57023B_11817	scaffold865	NW_004516227.1	11817	GG	TT	TT	INTERGENIC		
SNP_57024B_11867	scaffold865	NW_004516227.1	11867	AA	GG	GG	INTERGENIC		
SNP_57025B_12265	scaffold865	NW_004516227.1	12265	TT	GG	GG	INTERGENIC		
SNP_57026B_28517	scaffold866	NW_004516228.1	28517	TT	CC	CC	INTERGENIC		
SNP_57027B_28864	scaffold866	NW_004516228.1	28864	TT	AA	AA	INTERGENIC		
SNP_57028B_28873	scaffold866	NW_004516228.1	28873	AA	GG	GG	INTERGENIC		
SNP_57029B_28888	scaffold866	NW_004516228.1	28888	GG	AA	AA	INTERGENIC		
SNP_57030B_35960	scaffold866	NW_004516228.1	35960	GG	AA	AA	INTERGENIC		
SNP_57032B_37142	scaffold866	NW_004516228.1	37142	TT	AA	AA	INTERGENIC		
SNP_57033B_64113	scaffold866	NW_004516228.1	64113	CC	TT	TT	INTRON	101505760	uncharacterized LOC101505760
SNP_57034B_69431	scaffold866	NW_004516228.1	69431	GG	AA	AA	INTRON	101505760	uncharacterized LOC101505760
SNP_57035B_72736	scaffold866	NW_004516228.1	72736	CC	TT	TT	INTRON	101505760	uncharacterized LOC101505760
SNP_57036B_142412	scaffold866	NW_004516228.1	142412	GG	AA	AA	INTERGENIC		
SNP_57037B_142415	scaffold866	NW_004516228.1	142415	TT	CC	CC	INTERGENIC		
SNP_57038B_142445	scaffold866	NW_004516228.1	142445	GG	TT	TT	INTERGENIC		
SNP_57039B_142464	scaffold866	NW_004516228.1	142464	TT	CC	CC	INTERGENIC		
SNP_57040B_142472	scaffold866	NW_004516228.1	142472	GG	CC	CC	INTERGENIC		
SNP_57042B_142649	scaffold866	NW_004516228.1	142649	AA	TT	TT	INTERGENIC		
SNP_57043B_142781	scaffold866	NW_004516228.1	142781	TT	CC	CC	INTERGENIC		
SNP_57044B_142806	scaffold866	NW_004516228.1	142806	TT	AA	AA	INTERGENIC		
SNP_57045B_142858	scaffold866	NW_004516228.1	142858	AA	GG	GG	INTERGENIC		
SNP_57046B_142894	scaffold866	NW_004516228.1	142894	GG	TT	TT	INTERGENIC		
SNP_57047B_142895	scaffold866	NW_004516228.1	142895	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57048B_142940	scaffold866	NW_004516228.1	142940	CC	AA	AA	INTERGENIC		
SNP_57050B_142984	scaffold866	NW_004516228.1	142984	CC	TT	TT	INTERGENIC		
SNP_57051B_143010	scaffold866	NW_004516228.1	143010	AA	GG	GG	INTERGENIC		
SNP_57052B_143013	scaffold866	NW_004516228.1	143013	CC	GG	GG	INTERGENIC		
SNP_57053B_5663	scaffold868	NW_004516229.1	5663	AA	GG	GG	INTERGENIC		
SNP_57054B_5673	scaffold868	NW_004516229.1	5673	TT	AA	AA	INTERGENIC		
SNP_57055B_5688	scaffold868	NW_004516229.1	5688	GG	AA	AA	INTERGENIC		
SNP_57056B_21216	scaffold868	NW_004516229.1	21216	GG	AA	AA	INTERGENIC		
SNP_57057B_22363	scaffold868	NW_004516229.1	22363	AA	TT	TT	INTERGENIC		
SNP_57058B_24868	scaffold868	NW_004516229.1	24868	CC	TT	TT	INTERGENIC		
SNP_57059B_24873	scaffold868	NW_004516229.1	24873	GG	CC	CC	INTERGENIC		
SNP_57060B_25443	scaffold868	NW_004516229.1	25443	GG	TT	TT	INTERGENIC		
SNP_57061B_25542	scaffold868	NW_004516229.1	25542	AA	GG	GG	INTERGENIC		
SNP_57062B_30331	scaffold868	NW_004516229.1	30331	GG	AA	AA	INTERGENIC		
SNP_57063B_30365	scaffold868	NW_004516229.1	30365	CC	TT	TT	INTERGENIC		
SNP_57064B_30381	scaffold868	NW_004516229.1	30381	AA	GG	GG	INTERGENIC		
SNP_57065B_30423	scaffold868	NW_004516229.1	30423	AA	TT	TT	INTERGENIC		
SNP_57066B_30433	scaffold868	NW_004516229.1	30433	TT	CC	CC	INTERGENIC		
SNP_57067B_30469	scaffold868	NW_004516229.1	30469	CC	TT	TT	INTERGENIC		
SNP_57068B_30591	scaffold868	NW_004516229.1	30591	AA	GG	GG	INTERGENIC		
SNP_57069B_30655	scaffold868	NW_004516229.1	30655	CC	GG	GG	INTERGENIC		
SNP_57070B_30672	scaffold868	NW_004516229.1	30672	TT	CC	CC	INTERGENIC		
SNP_57071B_31259	scaffold868	NW_004516229.1	31259	GG	AA	AA	INTERGENIC		
SNP_57072B_31621	scaffold868	NW_004516229.1	31621	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57073B_31684	scaffold868	NW_004516229.1	31684	TT	CC	CC	INTERGENIC		
SNP_57074B_31692	scaffold868	NW_004516229.1	31692	TT	AA	AA	INTERGENIC		
SNP_57075B_31693	scaffold868	NW_004516229.1	31693	TT	CC	CC	INTERGENIC		
SNP_57076B_31944	scaffold868	NW_004516229.1	31944	CC	GG	GG	INTERGENIC		
SNP_57077B_31947	scaffold868	NW_004516229.1	31947	AA	TT	TT	INTERGENIC		
SNP_57079B_46681	scaffold868	NW_004516229.1	46681	TT	CC	CC	INTERGENIC		
SNP_57080B_46725	scaffold868	NW_004516229.1	46725	TT	AA	AA	INTERGENIC		
SNP_57081B_46741	scaffold868	NW_004516229.1	46741	AA	TT	TT	INTERGENIC		
SNP_57082B_46964	scaffold868	NW_004516229.1	46964	AA	GG	GG	INTERGENIC		
SNP_57083B_47014	scaffold868	NW_004516229.1	47014	CC	TT	TT	INTERGENIC		
SNP_57084B_47037	scaffold868	NW_004516229.1	47037	AA	CC	CC	INTERGENIC		
SNP_57085B_47067	scaffold868	NW_004516229.1	47067	CC	GG	GG	INTERGENIC		
SNP_57086B_47119	scaffold868	NW_004516229.1	47119	TT	GG	GG	INTERGENIC		
SNP_57087B_47120	scaffold868	NW_004516229.1	47120	TT	CC	CC	INTERGENIC		
SNP_57088B_47263	scaffold868	NW_004516229.1	47263	GG	AA	AA	INTERGENIC		
SNP_57089B_47317	scaffold868	NW_004516229.1	47317	AA	CC	CC	INTERGENIC		
SNP_57090B_47353	scaffold868	NW_004516229.1	47353	TT	CC	CC	INTERGENIC		
SNP_57091B_47392	scaffold868	NW_004516229.1	47392	CC	AA	AA	INTERGENIC		
SNP_57092B_47439	scaffold868	NW_004516229.1	47439	AA	TT	TT	INTERGENIC		
SNP_57093B_47463	scaffold868	NW_004516229.1	47463	GG	AA	AA	INTERGENIC		
SNP_57094B_47505	scaffold868	NW_004516229.1	47505	CC	AA	AA	INTERGENIC		
SNP_57095B_47524	scaffold868	NW_004516229.1	47524	TT	AA	AA	INTERGENIC		
SNP_57096B_47623	scaffold868	NW_004516229.1	47623	AA	TT	TT	INTERGENIC		
SNP_57097B_47699	scaffold868	NW_004516229.1	47699	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57098B_47768	scaffold868	NW_004516229.1	47768	GG	AA	AA	INTERGENIC		
SNP_57099B_47778	scaffold868	NW_004516229.1	47778	AA	TT	TT	INTERGENIC		
SNP_57100B_47779	scaffold868	NW_004516229.1	47779	TT	GG	GG	INTERGENIC		
SNP_57101B_47789	scaffold868	NW_004516229.1	47789	AA	CC	CC	INTERGENIC		
SNP_57102B_47835	scaffold868	NW_004516229.1	47835	AA	GG	GG	INTERGENIC		
SNP_57103B_47856	scaffold868	NW_004516229.1	47856	CC	TT	TT	INTERGENIC		
SNP_57104B_47917	scaffold868	NW_004516229.1	47917	TT	AA	AA	INTERGENIC		
SNP_57105B_16507	scaffold869	NW_004516230.1	16507	CC	TT	TT	INTRON	101507689	Unknown function
SNP_57107B_28728	scaffold869	NW_004516230.1	28728	TT	AA	AA	INTERGENIC		
SNP_57108B_29496	scaffold869	NW_004516230.1	29496	TT	CC	CC	INTERGENIC		
SNP_57109B_69213	scaffold869	NW_004516230.1	69213	TT	CC	CC	INTERGENIC		
SNP_57110B_73155	scaffold869	NW_004516230.1	73155	GG	CC	CC	INTERGENIC		
SNP_57111B_73192	scaffold869	NW_004516230.1	73192	GG	AA	AA	INTERGENIC		
SNP_57112B_73229	scaffold869	NW_004516230.1	73229	CC	TT	TT	INTERGENIC		
SNP_57113B_73272	scaffold869	NW_004516230.1	73272	GG	AA	AA	INTERGENIC		
SNP_57114B_73493	scaffold869	NW_004516230.1	73493	TT	AA	AA	INTERGENIC		
SNP_57116B_90341	scaffold869	NW_004516230.1	90341	GG	AA	AA	INTERGENIC		
SNP_57117B_96716	scaffold869	NW_004516230.1	96716	AA	GG	GG	INTERGENIC		
SNP_57118B_108693	scaffold869	NW_004516230.1	108693	CC	TT	TT	INTERGENIC		
SNP_57119B_111907	scaffold869	NW_004516230.1	111907	GG	AA	AA	INTERGENIC		
SNP_57120B_118224	scaffold869	NW_004516230.1	118224	AA	GG	GG	INTERGENIC		
SNP_57121B_141532	scaffold869	NW_004516230.1	141532	GG	AA	AA	INTERGENIC		
SNP_57122B_141533	scaffold869	NW_004516230.1	141533	AA	GG	GG	INTERGENIC		
SNP_57123B_142893	scaffold869	NW_004516230.1	142893	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57124B_151619	scaffold869	NW_004516230.1	151619	TT	CC	CC	INTERGENIC		
SNP_57125B_151638	scaffold869	NW_004516230.1	151638	AA	GG	GG	INTERGENIC		
SNP_57126B_1277	scaffold870	NW_004516231.1	1277	TT	GG	GG	INTERGENIC		
SNP_57127B_1668	scaffold870	NW_004516231.1	1668	AA	CC	CC	INTERGENIC		
SNP_57128B_10525	scaffold870	NW_004516231.1	10525	TT	CC	CC	INTERGENIC		
SNP_57129B_16879	scaffold870	NW_004516231.1	16879	AA	TT	TT	INTERGENIC		
SNP_57130B_22479	scaffold870	NW_004516231.1	22479	TT	CC	CC	INTERGENIC		
SNP_57133B_73257	scaffold870	NW_004516231.1	73257	TT	AA	AA	INTERGENIC		
SNP_57135B_73802	scaffold870	NW_004516231.1	73802	AA	TT	TT	INTERGENIC		
SNP_57136B_76953	scaffold870	NW_004516231.1	76953	TT	AA	AA	INTERGENIC		
SNP_57138B_82477	scaffold870	NW_004516231.1	82477	CC	TT	TT	INTERGENIC		
SNP_57139B_82489	scaffold870	NW_004516231.1	82489	GG	AA	AA	INTERGENIC		
SNP_57140B_82638	scaffold870	NW_004516231.1	82638	AA	GG	GG	INTERGENIC		
SNP_57141B_69	scaffold873	NW_004516233.1	69	CC	TT	TT	INTERGENIC		
SNP_57142B_116	scaffold873	NW_004516233.1	116	TT	CC	CC	INTERGENIC		
SNP_57143B_132	scaffold873	NW_004516233.1	132	TT	CC	CC	INTERGENIC		
SNP_57144B_320	scaffold873	NW_004516233.1	320	TT	CC	CC	INTERGENIC		
SNP_57145B_9553	scaffold873	NW_004516233.1	9553	AA	CC	CC	INTERGENIC		
SNP_57148B_82451	scaffold873	NW_004516233.1	82451	AA	CC	CC	DRR	101508847	uncharacterized protein At2g17340-like
SNP_57149B_215356	scaffold873	NW_004516233.1	215356	CC	AA	AA	NON_SYNONYMOUS_CODING	101512932	cleavage and polyadenylation specificity factor subunit 1
SNP_57150B_242693	scaffold873	NW_004516233.1	242693	TT	CC	CC	INTERGENIC		
SNP_57151B_242697	scaffold873	NW_004516233.1	242697	TT	CC	CC	INTERGENIC		
SNP_57152B_242788	scaffold873	NW_004516233.1	242788	CC	TT	TT	INTERGENIC		
SNP_57154B_242884	scaffold873	NW_004516233.1	242884	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57155B_252737	scaffold873	NW_004516233.1	252737	AA	GG	GG	INTERGENIC		
SNP_57156B_253013	scaffold873	NW_004516233.1	253013	TT	CC	CC	INTERGENIC		
SNP_57157B_253014	scaffold873	NW_004516233.1	253014	CC	AA	AA	INTERGENIC		
SNP_57158B_279002	scaffold873	NW_004516233.1	279002	AA	CC	CC	INTERGENIC		
SNP_57159B_286864	scaffold873	NW_004516233.1	286864	CC	TT	TT	INTERGENIC		
SNP_57160B_318657	scaffold873	NW_004516233.1	318657	TT	CC	CC	INTERGENIC		
SNP_57161B_318677	scaffold873	NW_004516233.1	318677	AA	CC	CC	INTERGENIC		
SNP_57162B_334567	scaffold873	NW_004516233.1	334567	AA	CC	CC	INTERGENIC		
SNP_57163B_334680	scaffold873	NW_004516233.1	334680	GG	AA	AA	INTERGENIC		
SNP_57164B_344960	scaffold873	NW_004516233.1	344960	AA	GG	GG	INTERGENIC		
SNP_57165B_344967	scaffold873	NW_004516233.1	344967	AA	TT	GG	INTERGENIC		
SNP_57166B_344982	scaffold873	NW_004516233.1	344982	AA	GG	GG	INTERGENIC		
SNP_57167B_344983	scaffold873	NW_004516233.1	344983	CC	AA	AA	INTERGENIC		
SNP_57168B_345021	scaffold873	NW_004516233.1	345021	AA	GG	GG	INTERGENIC		
SNP_57169B_345278	scaffold873	NW_004516233.1	345278	TT	AA	AA	INTERGENIC		
SNP_57170B_345308	scaffold873	NW_004516233.1	345308	AA	GG	GG	INTERGENIC		
SNP_57171B_108160	scaffold875	NW_004516234.1	108160	AA	GG	GG	INTERGENIC		
SNP_57172B_108210	scaffold875	NW_004516234.1	108210	AA	GG	GG	INTERGENIC		
SNP_57173B_108216	scaffold875	NW_004516234.1	108216	TT	CC	CC	INTERGENIC		
SNP_57174B_108229	scaffold875	NW_004516234.1	108229	CC	TT	TT	INTERGENIC		
SNP_57175B_108344	scaffold875	NW_004516234.1	108344	AA	TT	TT	INTERGENIC		
SNP_57176B_108407	scaffold875	NW_004516234.1	108407	TT	GG	GG	INTERGENIC		
SNP_57177B_108429	scaffold875	NW_004516234.1	108429	CC	TT	TT	INTERGENIC		
SNP_57178B_108539	scaffold875	NW_004516234.1	108539	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57179B_3766	scaffold876	NW_004516235.1	3766	GG	AA	AA	INTERGENIC		
SNP_57180B_5202	scaffold876	NW_004516235.1	5202	AA	GG	GG	INTERGENIC		
SNP_57182B_26054	scaffold876	NW_004516235.1	26054	AA	GG	GG	INTERGENIC		
SNP_57183B_53242	scaffold876	NW_004516235.1	53242	AA	CC	CC	INTERGENIC		
SNP_57184B_53521	scaffold876	NW_004516235.1	53521	CC	TT	TT	INTERGENIC		
SNP_57185B_66909	scaffold876	NW_004516235.1	66909	GG	TT	TT	INTERGENIC		
SNP_57186B_97538	scaffold876	NW_004516235.1	97538	TT	GG	GG	INTERGENIC		
SNP_57187B_97612	scaffold876	NW_004516235.1	97612	TT	CC	CC	INTERGENIC		
SNP_57188B_105563	scaffold876	NW_004516235.1	105563	AA	GG	GG	INTERGENIC		
SNP_57189B_152094	scaffold876	NW_004516235.1	152094	TT	CC	CC	INTRON	101489931	poly(rC)-binding protein 1-like
SNP_57190B_152169	scaffold876	NW_004516235.1	152169	CC	AA	AA	INTRON	101489931	poly(rC)-binding protein 1-like
SNP_57191B_152172	scaffold876	NW_004516235.1	152172	AA	GG	GG	INTRON	101489931	poly(rC)-binding protein 1-like
SNP_57192B_152211	scaffold876	NW_004516235.1	152211	GG	AA	AA	INTRON	101489931	poly(rC)-binding protein 1-like
SNP_57193B_248385	scaffold876	NW_004516235.1	248385	AA	CC	CC	INTERGENIC		
SNP_57194B_339839	scaffold876	NW_004516235.1	339839	CC	TT	TT	INTERGENIC		
SNP_57195B_355476	scaffold876	NW_004516235.1	355476	CC	TT	TT	INTERGENIC		
SNP_57196B_369454	scaffold876	NW_004516235.1	369454	AA	GG	GG	INTERGENIC		
SNP_57197B_369587	scaffold876	NW_004516235.1	369587	TT	CC	CC	INTERGENIC		
SNP_57198B_369633	scaffold876	NW_004516235.1	369633	AA	TT	TT	INTERGENIC		
SNP_57199B_369637	scaffold876	NW_004516235.1	369637	AA	GG	GG	INTERGENIC		
SNP_57201B_369862	scaffold876	NW_004516235.1	369862	AA	GG	GG	INTERGENIC		
SNP_57202B_369881	scaffold876	NW_004516235.1	369881	CC	AA	AA	INTERGENIC		
SNP_57203B_369888	scaffold876	NW_004516235.1	369888	AA	CC	CC	INTERGENIC		
SNP_57204B_376766	scaffold876	NW_004516235.1	376766	CC	TT	TT	INTRON	101493078	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57205B_392524	scaffold876	NW_004516235.1	392524	TT	CC	CC	INTERGENIC		
SNP_57206B_392660	scaffold876	NW_004516235.1	392660	CC	TT	TT	INTERGENIC		
SNP_57207B_397291	scaffold876	NW_004516235.1	397291	AA	GG	GG	INTERGENIC		
SNP_57208B_397525	scaffold876	NW_004516235.1	397525	TT	CC	CC	INTERGENIC		
SNP_57209B_397551	scaffold876	NW_004516235.1	397551	TT	CC	CC	INTERGENIC		
SNP_57210B_437740	scaffold876	NW_004516235.1	437740	AA	GG	GG	INTERGENIC		
SNP_57211B_438457	scaffold876	NW_004516235.1	438457	CC	AA	AA	INTERGENIC		
SNP_57212B_438463	scaffold876	NW_004516235.1	438463	AA	TT	TT	INTERGENIC		
SNP_57213B_438464	scaffold876	NW_004516235.1	438464	CC	TT	TT	INTERGENIC		
SNP_57214B_438635	scaffold876	NW_004516235.1	438635	TT	CC	CC	INTERGENIC		
SNP_57215B_438747	scaffold876	NW_004516235.1	438747	TT	CC	CC	INTERGENIC		
SNP_57216B_438800	scaffold876	NW_004516235.1	438800	CC	AA	AA	INTERGENIC		
SNP_57217B_438813	scaffold876	NW_004516235.1	438813	AA	TT	TT	INTERGENIC		
SNP_57218B_442073	scaffold876	NW_004516235.1	442073	AA	CC	CC	INTERGENIC		
SNP_57219B_442806	scaffold876	NW_004516235.1	442806	CC	GG	GG	INTERGENIC		
SNP_57220B_442808	scaffold876	NW_004516235.1	442808	TT	CC	CC	INTERGENIC		
SNP_57221B_443144	scaffold876	NW_004516235.1	443144	GG	AA	AA	INTERGENIC		
SNP_57222B_443147	scaffold876	NW_004516235.1	443147	CC	TT	TT	INTERGENIC		
SNP_57223B_443148	scaffold876	NW_004516235.1	443148	GG	AA	AA	INTERGENIC		
SNP_57224B_446410	scaffold876	NW_004516235.1	446410	AA	CC	CC	INTERGENIC		
SNP_57225B_447217	scaffold876	NW_004516235.1	447217	AA	GG	GG	INTERGENIC		
SNP_57226B_447220	scaffold876	NW_004516235.1	447220	AA	GG	GG	INTERGENIC		
SNP_57227B_447681	scaffold876	NW_004516235.1	447681	GG	AA	AA	INTERGENIC		
SNP_57228B_453010	scaffold876	NW_004516235.1	453010	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57229B_469027	scaffold876	NW_004516235.1	469027	AA	TT	TT	INTERGENIC		
SNP_57230B_475956	scaffold876	NW_004516235.1	475956	AA	GG	GG	INTERGENIC		
SNP_57231B_509788	scaffold876	NW_004516235.1	509788	CC	TT	TT	INTERGENIC		
SNP_57232B_509824	scaffold876	NW_004516235.1	509824	CC	TT	TT	INTERGENIC		
SNP_57233B_509914	scaffold876	NW_004516235.1	509914	CC	TT	TT	INTERGENIC		
SNP_57234B_509917	scaffold876	NW_004516235.1	509917	GG	AA	AA	INTERGENIC		
SNP_57235B_553268	scaffold876	NW_004516235.1	553268	AA	TT	TT	INTERGENIC		
SNP_57236B_556631	scaffold876	NW_004516235.1	556631	AA	GG	GG	INTERGENIC		
SNP_57238B_556690	scaffold876	NW_004516235.1	556690	AA	GG	GG	INTERGENIC		
SNP_57239B_559100	scaffold876	NW_004516235.1	559100	TT	AA	AA	INTERGENIC		
SNP_57240B_563237	scaffold876	NW_004516235.1	563237	AA	GG	GG	INTERGENIC		
SNP_57241B_575236	scaffold876	NW_004516235.1	575236	AA	CC	CC	INTERGENIC		
SNP_57242B_575343	scaffold876	NW_004516235.1	575343	GG	AA	AA	INTERGENIC		
SNP_57243B_575494	scaffold876	NW_004516235.1	575494	CC	AA	AA	INTERGENIC		
SNP_57244B_575503	scaffold876	NW_004516235.1	575503	GG	AA	AA	INTERGENIC		
SNP_57245B_607882	scaffold876	NW_004516235.1	607882	AA	TT	TT	INTERGENIC		
SNP_57246B_608176	scaffold876	NW_004516235.1	608176	CC	TT	TT	INTERGENIC		
SNP_57247B_613590	scaffold876	NW_004516235.1	613590	TT	CC	CC	INTERGENIC		
SNP_57248B_614069	scaffold876	NW_004516235.1	614069	TT	CC	CC	INTERGENIC		
SNP_57250B_622820	scaffold876	NW_004516235.1	622820	GG	AA	AA	INTERGENIC		
SNP_57251B_272	scaffold877	NW_004516236.1	272	AA	GG	GG	INTERGENIC		
SNP_57252B_279	scaffold877	NW_004516236.1	279	GG	CC	CC	INTERGENIC		
SNP_57253B_390	scaffold877	NW_004516236.1	390	CC	TT	TT	INTERGENIC		
SNP_57254B_692	scaffold877	NW_004516236.1	692	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57255B_10711	scaffold877	NW_004516236.1	10711	AA	CC	CC	URR	101493404	uridine 5'-monophosphate synthase-like
SNP_57256B_10783	scaffold877	NW_004516236.1	10783	AA	GG	GG	URR	101493404	uridine 5'-monophosphate synthase-like
SNP_57258B_10925	scaffold877	NW_004516236.1	10925	TT	CC	CC	URR	101493404	uridine 5'-monophosphate synthase-like
SNP_57259B_11050	scaffold877	NW_004516236.1	11050	AA	GG	GG	URR	101493404	uridine 5'-monophosphate synthase-like
SNP_57260B_11296	scaffold877	NW_004516236.1	11296	AA	GG	GG	URR	101493404	uridine 5'-monophosphate synthase-like
SNP_57261B_11332	scaffold877	NW_004516236.1	11332	AA	GG	GG	URR	101493404	uridine 5'-monophosphate synthase-like
SNP_57262B_11432	scaffold877	NW_004516236.1	11432	CC	TT	TT	URR	101493404	uridine 5'-monophosphate synthase-like
SNP_57263B_11470	scaffold877	NW_004516236.1	11470	GG	TT	TT	URR	101493404	uridine 5'-monophosphate synthase-like
SNP_57264B_11596	scaffold877	NW_004516236.1	11596	TT	CC	CC	URR	101493404	uridine 5'-monophosphate synthase-like
SNP_57265B_11607	scaffold877	NW_004516236.1	11607	AA	TT	TT	URR	101493404	uridine 5'-monophosphate synthase-like
SNP_57266B_11692	scaffold877	NW_004516236.1	11692	AA	TT	TT	URR	101493404	uridine 5'-monophosphate synthase-like
SNP_57267B_11927	scaffold877	NW_004516236.1	11927	TT	CC	CC	URR	101493404	uridine 5'-monophosphate synthase-like
SNP_57268B_11965	scaffold877	NW_004516236.1	11965	AA	GG	GG	URR	101493404	uridine 5'-monophosphate synthase-like
SNP_57269B_14489	scaffold877	NW_004516236.1	14489	TT	AA	AA	INTERGENIC		
SNP_57270B_14530	scaffold877	NW_004516236.1	14530	AA	GG	GG	INTERGENIC		
SNP_57271B_14688	scaffold877	NW_004516236.1	14688	CC	TT	TT	INTERGENIC		
SNP_57272B_14692	scaffold877	NW_004516236.1	14692	TT	GG	GG	INTERGENIC		
SNP_57273B_14701	scaffold877	NW_004516236.1	14701	GG	AA	AA	INTERGENIC		
SNP_57274B_16395	scaffold877	NW_004516236.1	16395	GG	CC	CC	INTERGENIC		
SNP_57275B_16839	scaffold877	NW_004516236.1	16839	TT	GG	GG	INTERGENIC		
SNP_57276B_16884	scaffold877	NW_004516236.1	16884	AA	GG	GG	INTERGENIC		
SNP_57277B_17107	scaffold877	NW_004516236.1	17107	TT	CC	CC	INTERGENIC		
SNP_57279B_17472	scaffold877	NW_004516236.1	17472	CC	AA	AA	INTERGENIC		
SNP_57280B_17525	scaffold877	NW_004516236.1	17525	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57281B_14119	scaffold878	NW_004516237.1	14119	AA	GG	GG	URR	101493725	Unknown function
SNP_57282B_25208	scaffold878	NW_004516237.1	25208	AA	GG	GG	INTERGENIC		
SNP_57283B_25236	scaffold878	NW_004516237.1	25236	GG	AA	AA	INTERGENIC		
SNP_57284B_25265	scaffold878	NW_004516237.1	25265	GG	AA	AA	INTERGENIC		
SNP_57285B_25466	scaffold878	NW_004516237.1	25466	CC	TT	TT	INTERGENIC		
SNP_57286B_43054	scaffold878	NW_004516237.1	43054	TT	AA	AA	INTERGENIC		
SNP_57287B_43055	scaffold878	NW_004516237.1	43055	AA	TT	TT	INTERGENIC		
SNP_57288B_43087	scaffold878	NW_004516237.1	43087	CC	AA	AA	INTERGENIC		
SNP_57289B_43383	scaffold878	NW_004516237.1	43383	TT	GG	GG	INTERGENIC		
SNP_57290B_43555	scaffold878	NW_004516237.1	43555	CC	GG	GG	INTERGENIC		
SNP_57292B_75018	scaffold878	NW_004516237.1	75018	GG	AA	AA	INTERGENIC		
SNP_57293B_75028	scaffold878	NW_004516237.1	75028	TT	CC	CC	INTERGENIC		
SNP_57294B_75052	scaffold878	NW_004516237.1	75052	CC	GG	GG	INTERGENIC		
SNP_57295B_75076	scaffold878	NW_004516237.1	75076	AA	GG	GG	INTERGENIC		
SNP_57296B_75337	scaffold878	NW_004516237.1	75337	CC	TT	TT	INTERGENIC		
SNP_57297B_75364	scaffold878	NW_004516237.1	75364	GG	AA	AA	INTERGENIC		
SNP_57298B_79135	scaffold878	NW_004516237.1	79135	AA	GG	GG	INTERGENIC		
SNP_57299B_82782	scaffold878	NW_004516237.1	82782	TT	AA	AA	INTERGENIC		
SNP_57300B_118199	scaffold878	NW_004516237.1	118199	TT	CC	CC	DRR	101494987	uncharacterized LOC101494987
SNP_57301B_118340	scaffold878	NW_004516237.1	118340	CC	TT	TT	URR	101494667	uncharacterized LOC101494667
SNP_57302B_118473	scaffold878	NW_004516237.1	118473	GG	AA	AA	URR	101494667	uncharacterized LOC101494667
SNP_57303B_118565	scaffold878	NW_004516237.1	118565	AA	GG	GG	URR	101494667	uncharacterized LOC101494667
SNP_57304B_118604	scaffold878	NW_004516237.1	118604	CC	TT	TT	URR	101494667	uncharacterized LOC101494667
SNP_57305B_118833	scaffold878	NW_004516237.1	118833	GG	AA	AA	URR	101494667	uncharacterized LOC101494667

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57306B_118839	scaffold878	NW_004516237.1	118839	TT	CC	CC	URR	101494667	uncharacterized LOC101494667
SNP_57307B_118846	scaffold878	NW_004516237.1	118846	AA	GG	GG	URR	101494667	uncharacterized LOC101494667
SNP_57308B_118897	scaffold878	NW_004516237.1	118897	CC	AA	AA	URR	101494667	uncharacterized LOC101494667
SNP_57309B_118957	scaffold878	NW_004516237.1	118957	AA	TT	TT	URR	101494667	uncharacterized LOC101494667
SNP_57310B_119045	scaffold878	NW_004516237.1	119045	GG	TT	TT	URR	101494667	uncharacterized LOC101494667
SNP_57311B_119168	scaffold878	NW_004516237.1	119168	GG	AA	AA	URR	101494667	uncharacterized LOC101494667
SNP_57312B_119265	scaffold878	NW_004516237.1	119265	AA	GG	GG	URR	101494667	uncharacterized LOC101494667
SNP_57313B_119267	scaffold878	NW_004516237.1	119267	AA	TT	TT	URR	101494667	uncharacterized LOC101494667
SNP_57314B_5351	scaffold882	NW_004516239.1	5351	GG	AA	AA	INTERGENIC		
SNP_57315B_8762	scaffold882	NW_004516239.1	8762	CC	TT	TT	INTERGENIC		
SNP_57316B_10312	scaffold882	NW_004516239.1	10312	TT	CC	CC	INTERGENIC		
SNP_57317B_65982	scaffold882	NW_004516239.1	65982	CC	TT	TT	INTERGENIC		
SNP_57319B_70563	scaffold882	NW_004516239.1	70563	GG	AA	AA	INTERGENIC		
SNP_57320B_100486	scaffold882	NW_004516239.1	100486	CC	TT	TT	INTRON	101499043	uncharacterized LOC101499043
SNP_57321B_100551	scaffold882	NW_004516239.1	100551	TT	CC	CC	INTRON	101499043	uncharacterized LOC101499043
SNP_57322B_100823	scaffold882	NW_004516239.1	100823	GG	AA	AA	INTRON	101499043	uncharacterized LOC101499043
SNP_57323B_100833	scaffold882	NW_004516239.1	100833	CC	TT	TT	INTRON	101499043	uncharacterized LOC101499043
SNP_57324B_100842	scaffold882	NW_004516239.1	100842	GG	AA	AA	INTRON	101499043	uncharacterized LOC101499043
SNP_57325B_100873	scaffold882	NW_004516239.1	100873	TT	CC	CC	INTRON	101499043	uncharacterized LOC101499043
SNP_57326B_266509	scaffold882	NW_004516239.1	266509	TT	CC	CC	INTERGENIC		
SNP_57327B_347238	scaffold882	NW_004516239.1	347238	GG	CC	CC	INTERGENIC		
SNP_57328B_347249	scaffold882	NW_004516239.1	347249	TT	GG	GG	INTERGENIC		
SNP_57329B_347290	scaffold882	NW_004516239.1	347290	AA	TT	TT	INTERGENIC		
SNP_57330B_349193	scaffold882	NW_004516239.1	349193	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57331B_349194	scaffold882	NW_004516239.1	349194	TT	GG	GG	INTERGENIC		
SNP_57332B_379515	scaffold882	NW_004516239.1	379515	AA	GG	GG	INTERGENIC		
SNP_57333B_389846	scaffold882	NW_004516239.1	389846	TT	CC	CC	INTERGENIC		
SNP_57334B_389849	scaffold882	NW_004516239.1	389849	AA	GG	GG	INTERGENIC		
SNP_57335B_389852	scaffold882	NW_004516239.1	389852	GG	AA	AA	INTERGENIC		
SNP_57336B_389855	scaffold882	NW_004516239.1	389855	GG	AA	AA	INTERGENIC		
SNP_57337B_389861	scaffold882	NW_004516239.1	389861	GG	AA	AA	INTERGENIC		
SNP_57338B_426790	scaffold882	NW_004516239.1	426790	GG	AA	AA	DRR	101500943	putative uncharacterized protein DDB_G0290521
SNP_57339B_427232	scaffold882	NW_004516239.1	427232	GG	AA	AA	DRR	101500943	putative uncharacterized protein DDB_G0290521
SNP_57340B_428115	scaffold882	NW_004516239.1	428115	CC	TT	TT	NON_SYNONYMOUS_CODING	101500943	putative uncharacterized protein DDB_G0290521
SNP_57341B_428187	scaffold882	NW_004516239.1	428187	TT	CC	CC	NON_SYNONYMOUS_CODING	101500943	putative uncharacterized protein DDB_G0290521
SNP_57342B_428861	scaffold882	NW_004516239.1	428861	AA	GG	GG	URR	101500943	putative uncharacterized protein DDB_G0290521
SNP_57343B_429605	scaffold882	NW_004516239.1	429605	CC	GG	GG	URR	101500943	putative uncharacterized protein DDB_G0290521
SNP_57344B_430625	scaffold882	NW_004516239.1	430625	GG	CC	CC	INTERGENIC		
SNP_57345B_431694	scaffold882	NW_004516239.1	431694	CC	GG	GG	INTERGENIC		
SNP_57346B_431971	scaffold882	NW_004516239.1	431971	GG	TT	TT	INTERGENIC		
SNP_57347B_432226	scaffold882	NW_004516239.1	432226	TT	GG	GG	INTERGENIC		
SNP_57348B_432229	scaffold882	NW_004516239.1	432229	GG	TT	TT	INTERGENIC		
SNP_57349B_434547	scaffold882	NW_004516239.1	434547	TT	GG	GG	INTERGENIC		
SNP_57350B_436494	scaffold882	NW_004516239.1	436494	GG	CC	CC	INTERGENIC		
SNP_57351B_436497	scaffold882	NW_004516239.1	436497	AA	GG	GG	INTERGENIC		
SNP_57352B_437604	scaffold882	NW_004516239.1	437604	CC	TT	TT	INTERGENIC		
SNP_57353B_438431	scaffold882	NW_004516239.1	438431	CC	TT	TT	INTERGENIC		
SNP_57354B_438519	scaffold882	NW_004516239.1	438519	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57355B_438647	scaffold882	NW_004516239.1	438647	TT	CC	CC	INTERGENIC		
SNP_57356B_439019	scaffold882	NW_004516239.1	439019	AA	GG	GG	INTERGENIC		
SNP_57358B_448346	scaffold882	NW_004516239.1	448346	GG	TT	TT	INTERGENIC		
SNP_57359B_476884	scaffold882	NW_004516239.1	476884	CC	AA	AA	INTERGENIC		
SNP_57360B_517749	scaffold882	NW_004516239.1	517749	TT	GG	GG	INTRON	101501268	Unknown function
SNP_57361B_523007	scaffold882	NW_004516239.1	523007	CC	TT	TT	SYNONYMOUS_CODING	101501268	Unknown function
SNP_57362B_523371	scaffold882	NW_004516239.1	523371	AA	GG	GG	INTRON	101501268	Unknown function
SNP_57363B_523449	scaffold882	NW_004516239.1	523449	TT	CC	CC	INTRON	101501268	Unknown function
SNP_57364B_523478	scaffold882	NW_004516239.1	523478	AA	GG	GG	NON_SYNONYMOUS_CODING	101501268	Unknown function
SNP_57365B_523493	scaffold882	NW_004516239.1	523493	AA	GG	GG	NON_SYNONYMOUS_CODING	101501268	Unknown function
SNP_57366B_584120	scaffold882	NW_004516239.1	584120	CC	AA	AA	INTERGENIC		
SNP_57367B_607325	scaffold882	NW_004516239.1	607325	AA	GG	GG	INTRON	101502222	Unknown function
SNP_57368B_607345	scaffold882	NW_004516239.1	607345	TT	CC	CC	INTRON	101502222	Unknown function
SNP_57369B_607467	scaffold882	NW_004516239.1	607467	AA	GG	GG	INTRON	101502222	Unknown function
SNP_57370B_607494	scaffold882	NW_004516239.1	607494	CC	TT	TT	INTRON	101502222	Unknown function
SNP_57371B_607506	scaffold882	NW_004516239.1	607506	TT	CC	CC	INTRON	101502222	Unknown function
SNP_57372B_607533	scaffold882	NW_004516239.1	607533	AA	GG	GG	INTRON	101502222	Unknown function
SNP_57373B_607562	scaffold882	NW_004516239.1	607562	TT	CC	CC	INTRON	101502222	Unknown function
SNP_57374B_607571	scaffold882	NW_004516239.1	607571	GG	TT	TT	INTRON	101502222	Unknown function
SNP_57375B_607740	scaffold882	NW_004516239.1	607740	TT	CC	CC	NON_SYNONYMOUS_CODING	101502222	Unknown function
SNP_57376B_607762	scaffold882	NW_004516239.1	607762	TT	GG	GG	NON_SYNONYMOUS_CODING	101502222	Unknown function
SNP_57377B_607783	scaffold882	NW_004516239.1	607783	TT	CC	CC	NON_SYNONYMOUS_CODING	101502222	Unknown function
SNP_57378B_607789	scaffold882	NW_004516239.1	607789	AA	GG	GG	NON_SYNONYMOUS_CODING	101502222	Unknown function
SNP_57379B_607888	scaffold882	NW_004516239.1	607888	TT	GG	GG	NON_SYNONYMOUS_CODING	101502222	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57380B_615958	scaffold882	NW_004516239.1	615958	GG	AA	AA	INTERGENIC		
SNP_57381B_615959	scaffold882	NW_004516239.1	615959	TT	AA	AA	INTERGENIC		
SNP_57382B_621493	scaffold882	NW_004516239.1	621493	AA	CC	CC	INTERGENIC		
SNP_57383B_621720	scaffold882	NW_004516239.1	621720	TT	GG	GG	INTERGENIC		
SNP_57384B_621751	scaffold882	NW_004516239.1	621751	CC	TT	TT	INTERGENIC		
SNP_57385B_52525	scaffold884	NW_004516241.1	52525	TT	GG	GG	INTERGENIC		
SNP_57386B_135329	scaffold884	NW_004516241.1	135329	GG	AA	AA	INTERGENIC		
SNP_57387B_135527	scaffold884	NW_004516241.1	135527	GG	TT	TT	INTERGENIC		
SNP_57388B_135688	scaffold884	NW_004516241.1	135688	AA	GG	GG	INTERGENIC		
SNP_57389B_135693	scaffold884	NW_004516241.1	135693	TT	CC	CC	INTERGENIC		
SNP_57390B_135694	scaffold884	NW_004516241.1	135694	AA	GG	GG	INTERGENIC		
SNP_57391B_157815	scaffold884	NW_004516241.1	157815	AA	CC	CC	INTERGENIC		
SNP_57392B_151209	scaffold886	NW_004516242.1	151209	GG	AA	AA	INTERGENIC		
SNP_57394B_151317	scaffold886	NW_004516242.1	151317	TT	GG	GG	INTERGENIC		
SNP_57395B_151410	scaffold886	NW_004516242.1	151410	CC	AA	AA	INTERGENIC		
SNP_57396B_151416	scaffold886	NW_004516242.1	151416	GG	AA	AA	INTERGENIC		
SNP_57397B_151479	scaffold886	NW_004516242.1	151479	TT	GG	GG	INTERGENIC		
SNP_57399B_151520	scaffold886	NW_004516242.1	151520	AA	GG	GG	INTERGENIC		
SNP_57400B_153591	scaffold886	NW_004516242.1	153591	TT	CC	CC	INTERGENIC		
SNP_57401B_154569	scaffold886	NW_004516242.1	154569	TT	GG	GG	INTERGENIC		
SNP_57402B_154725	scaffold886	NW_004516242.1	154725	CC	AA	AA	INTERGENIC		
SNP_57403B_154752	scaffold886	NW_004516242.1	154752	CC	TT	TT	INTERGENIC		
SNP_57404B_154789	scaffold886	NW_004516242.1	154789	AA	TT	TT	INTERGENIC		
SNP_57405B_154793	scaffold886	NW_004516242.1	154793	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57406B_154829	scaffold886	NW_004516242.1	154829	GG	TT	TT	INTERGENIC		
SNP_57407B_154841	scaffold886	NW_004516242.1	154841	GG	TT	TT	INTERGENIC		
SNP_57408B_154915	scaffold886	NW_004516242.1	154915	GG	TT	TT	INTERGENIC		
SNP_57409B_160683	scaffold886	NW_004516242.1	160683	TT	AA	AA	INTERGENIC		
SNP_57410B_160988	scaffold886	NW_004516242.1	160988	TT	GG	GG	INTERGENIC		
SNP_57411B_160999	scaffold886	NW_004516242.1	160999	CC	TT	TT	INTERGENIC		
SNP_57412B_161010	scaffold886	NW_004516242.1	161010	TT	GG	GG	INTERGENIC		
SNP_57413B_161031	scaffold886	NW_004516242.1	161031	CC	GG	GG	INTERGENIC		
SNP_57414B_161401	scaffold886	NW_004516242.1	161401	TT	CC	CC	INTERGENIC		
SNP_57415B_164494	scaffold886	NW_004516242.1	164494	GG	AA	AA	INTERGENIC		
SNP_57416B_164706	scaffold886	NW_004516242.1	164706	TT	CC	CC	INTERGENIC		
SNP_57417B_164708	scaffold886	NW_004516242.1	164708	CC	TT	TT	INTERGENIC		
SNP_57418B_164923	scaffold886	NW_004516242.1	164923	TT	CC	CC	INTERGENIC		
SNP_57419B_165030	scaffold886	NW_004516242.1	165030	GG	AA	AA	INTERGENIC		
SNP_57420B_165092	scaffold886	NW_004516242.1	165092	TT	CC	CC	INTERGENIC		
SNP_57421B_165113	scaffold886	NW_004516242.1	165113	AA	GG	GG	INTERGENIC		
SNP_57422B_171209	scaffold886	NW_004516242.1	171209	GG	AA	AA	INTERGENIC		
SNP_57423B_171232	scaffold886	NW_004516242.1	171232	TT	GG	GG	INTERGENIC		
SNP_57424B_172416	scaffold886	NW_004516242.1	172416	AA	GG	GG	INTERGENIC		
SNP_57425B_172524	scaffold886	NW_004516242.1	172524	CC	AA	AA	INTERGENIC		
SNP_57426B_172532	scaffold886	NW_004516242.1	172532	GG	AA	AA	INTERGENIC		
SNP_57427B_172688	scaffold886	NW_004516242.1	172688	AA	TT	TT	INTERGENIC		
SNP_57428B_172906	scaffold886	NW_004516242.1	172906	AA	GG	GG	INTERGENIC		
SNP_57429B_69821	scaffold887_1	NW_004516243.1	69821	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57430B_69848	scaffold887_1	NW_004516243.1	69848	AA	CC	CC	INTERGENIC		
SNP_57431B_69884	scaffold887_1	NW_004516243.1	69884	GG	TT	TT	INTERGENIC		
SNP_57432B_69890	scaffold887_1	NW_004516243.1	69890	AA	GG	GG	INTERGENIC		
SNP_57433B_69906	scaffold887_1	NW_004516243.1	69906	AA	GG	GG	INTERGENIC		
SNP_57434B_69916	scaffold887_1	NW_004516243.1	69916	TT	CC	CC	INTERGENIC		
SNP_57435B_69923	scaffold887_1	NW_004516243.1	69923	TT	CC	CC	INTERGENIC		
SNP_57436B_69924	scaffold887_1	NW_004516243.1	69924	CC	TT	TT	INTERGENIC		
SNP_57437B_69944	scaffold887_1	NW_004516243.1	69944	TT	CC	CC	INTERGENIC		
SNP_57438B_70025	scaffold887_1	NW_004516243.1	70025	AA	CC	CC	INTERGENIC		
SNP_57439B_70033	scaffold887_1	NW_004516243.1	70033	AA	GG	GG	INTERGENIC		
SNP_57440B_70077	scaffold887_1	NW_004516243.1	70077	AA	CC	CC	INTERGENIC		
SNP_57441B_70102	scaffold887_1	NW_004516243.1	70102	AA	GG	GG	INTERGENIC		
SNP_57442B_70108	scaffold887_1	NW_004516243.1	70108	AA	GG	GG	INTERGENIC		
SNP_57443B_70138	scaffold887_1	NW_004516243.1	70138	TT	AA	AA	INTERGENIC		
SNP_57444B_70161	scaffold887_1	NW_004516243.1	70161	GG	AA	AA	INTERGENIC		
SNP_57445B_70164	scaffold887_1	NW_004516243.1	70164	AA	CC	CC	INTERGENIC		
SNP_57446B_70184	scaffold887_1	NW_004516243.1	70184	AA	CC	CC	INTERGENIC		
SNP_57447B_70214	scaffold887_1	NW_004516243.1	70214	AA	GG	GG	INTERGENIC		
SNP_57448B_70238	scaffold887_1	NW_004516243.1	70238	TT	CC	CC	INTERGENIC		
SNP_57449B_70246	scaffold887_1	NW_004516243.1	70246	GG	AA	AA	INTERGENIC		
SNP_57450B_70263	scaffold887_1	NW_004516243.1	70263	AA	CC	CC	INTERGENIC		
SNP_57451B_70279	scaffold887_1	NW_004516243.1	70279	AA	GG	GG	INTERGENIC		
SNP_57452B_70311	scaffold887_1	NW_004516243.1	70311	AA	GG	GG	INTERGENIC		
SNP_57453B_70314	scaffold887_1	NW_004516243.1	70314	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57454B_73081	scaffold887_1	NW_004516243.1	73081	AA	GG	GG	INTERGENIC		
SNP_57456B_131608	scaffold887_1	NW_004516243.1	131608	TT	CC	CC	URR	101507381	uncharacterized LOC101507381
SNP_57457B_131611	scaffold887_1	NW_004516243.1	131611	TT	CC	CC	URR	101507381	uncharacterized LOC101507381
SNP_57458B_200800	scaffold887_1	NW_004516243.1	200800	AA	GG	GG	INTERGENIC		
SNP_57459B_200911	scaffold887_1	NW_004516243.1	200911	TT	GG	GG	INTERGENIC		
SNP_57460B_200956	scaffold887_1	NW_004516243.1	200956	CC	GG	GG	INTERGENIC		
SNP_57461B_200985	scaffold887_1	NW_004516243.1	200985	AA	CC	CC	INTERGENIC		
SNP_57462B_200994	scaffold887_1	NW_004516243.1	200994	CC	TT	TT	INTERGENIC		
SNP_57463B_201178	scaffold887_1	NW_004516243.1	201178	AA	GG	GG	INTERGENIC		
SNP_57464B_201187	scaffold887_1	NW_004516243.1	201187	TT	CC	CC	INTERGENIC		
SNP_57466B_208551	scaffold887_1	NW_004516243.1	208551	TT	CC	CC	INTERGENIC		
SNP_57467B_208572	scaffold887_1	NW_004516243.1	208572	GG	AA	AA	INTERGENIC		
SNP_57468B_239326	scaffold887_1	NW_004516243.1	239326	AA	TT	TT	INTRON	id206713	Unknown function
SNP_57469B_246176	scaffold887_1	NW_004516243.1	246176	GG	AA	AA	INTERGENIC		
SNP_57470B_246200	scaffold887_1	NW_004516243.1	246200	AA	GG	GG	INTERGENIC		
SNP_57471B_246214	scaffold887_1	NW_004516243.1	246214	TT	CC	CC	INTERGENIC		
SNP_57472B_247358	scaffold887_1	NW_004516243.1	247358	AA	GG	GG	INTERGENIC		
SNP_57473B_247388	scaffold887_1	NW_004516243.1	247388	TT	AA	AA	INTERGENIC		
SNP_57474B_247390	scaffold887_1	NW_004516243.1	247390	GG	CC	CC	INTERGENIC		
SNP_57475B_247395	scaffold887_1	NW_004516243.1	247395	AA	CC	CC	INTERGENIC		
SNP_57476B_247400	scaffold887_1	NW_004516243.1	247400	CC	TT	TT	INTERGENIC		
SNP_57477B_247407	scaffold887_1	NW_004516243.1	247407	CC	TT	TT	INTERGENIC		
SNP_57478B_266	scaffold890	NW_004516245.1	266	GG	CC	CC	INTERGENIC		
SNP_57479B_308	scaffold890	NW_004516245.1	308	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57481B_414	scaffold890	NW_004516245.1	414	CC	TT	TT	INTERGENIC		
SNP_57482B_415	scaffold890	NW_004516245.1	415	AA	GG	GG	INTERGENIC		
SNP_57483B_430	scaffold890	NW_004516245.1	430	AA	TT	TT	INTERGENIC		
SNP_57484B_470	scaffold890	NW_004516245.1	470	GG	AA	AA	INTERGENIC		
SNP_57485B_482	scaffold890	NW_004516245.1	482	AA	GG	GG	INTERGENIC		
SNP_57486B_538	scaffold890	NW_004516245.1	538	AA	TT	TT	INTERGENIC		
SNP_57487B_546	scaffold890	NW_004516245.1	546	TT	AA	AA	INTERGENIC		
SNP_57488B_653	scaffold890	NW_004516245.1	653	AA	CC	CC	INTERGENIC		
SNP_57489B_705	scaffold890	NW_004516245.1	705	AA	GG	GG	INTERGENIC		
SNP_57490B_826	scaffold890	NW_004516245.1	826	AA	TT	TT	INTERGENIC		
SNP_57491B_872	scaffold890	NW_004516245.1	872	GG	AA	AA	INTERGENIC		
SNP_57492B_1008	scaffold890	NW_004516245.1	1008	TT	CC	CC	INTERGENIC		
SNP_57493B_1031	scaffold890	NW_004516245.1	1031	AA	GG	GG	INTERGENIC		
SNP_57494B_5788	scaffold892	NW_004516247.1	5788	AA	TT	TT	INTERGENIC		
SNP_57495B_5818	scaffold892	NW_004516247.1	5818	GG	TT	TT	INTERGENIC		
SNP_57496B_6008	scaffold892	NW_004516247.1	6008	CC	TT	TT	INTERGENIC		
SNP_57497B_6325	scaffold892	NW_004516247.1	6325	AA	TT	TT	INTERGENIC		
SNP_57498B_6439	scaffold892	NW_004516247.1	6439	GG	AA	AA	INTERGENIC		
SNP_57499B_6559	scaffold892	NW_004516247.1	6559	AA	GG	GG	INTERGENIC		
SNP_57500B_24888	scaffold892	NW_004516247.1	24888	AA	GG	GG	SYNONYMOUS_CODING	101512814	sugar transport protein 10-like
SNP_57501B_24948	scaffold892	NW_004516247.1	24948	GG	AA	AA	SYNONYMOUS_CODING	101512814	sugar transport protein 10-like
SNP_57502B_24982	scaffold892	NW_004516247.1	24982	CC	TT	TT	SYNONYMOUS_CODING	101512814	sugar transport protein 10-like
SNP_57503B_24991	scaffold892	NW_004516247.1	24991	TT	AA	AA	SYNONYMOUS_CODING	101512814	sugar transport protein 10-like
SNP_57504B_25182	scaffold892	NW_004516247.1	25182	TT	AA	AA	INTRON	101512814	sugar transport protein 10-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57505B_25207	scaffold892	NW_004516247.1	25207	GG	AA	AA	INTRON	101512814	sugar transport protein 10-like
SNP_57506B_25209	scaffold892	NW_004516247.1	25209	TT	CC	CC	INTRON	101512814	sugar transport protein 10-like
SNP_57507B_25260	scaffold892	NW_004516247.1	25260	TT	GG	GG	INTRON	101512814	sugar transport protein 10-like
SNP_57508B_25272	scaffold892	NW_004516247.1	25272	AA	GG	GG	INTRON	101512814	sugar transport protein 10-like
SNP_57509B_26350	scaffold892	NW_004516247.1	26350	TT	CC	CC	URR	101512814	sugar transport protein 10-like
SNP_57510B_26357	scaffold892	NW_004516247.1	26357	GG	CC	CC	URR	101512814	sugar transport protein 10-like
SNP_57511B_26493	scaffold892	NW_004516247.1	26493	AA	CC	CC	URR	101512814	sugar transport protein 10-like
SNP_57512B_26500	scaffold892	NW_004516247.1	26500	TT	AA	AA	URR	101512814	sugar transport protein 10-like
SNP_57514B_26640	scaffold892	NW_004516247.1	26640	CC	TT	TT	URR	101512814	sugar transport protein 10-like
SNP_57515B_26678	scaffold892	NW_004516247.1	26678	GG	TT	TT	URR	101512814	sugar transport protein 10-like
SNP_57516B_26679	scaffold892	NW_004516247.1	26679	AA	TT	TT	URR	101512814	sugar transport protein 10-like
SNP_57518B_26725	scaffold892	NW_004516247.1	26725	CC	AA	AA	URR	101512814	sugar transport protein 10-like
SNP_57519B_26800	scaffold892	NW_004516247.1	26800	TT	AA	AA	URR	101512814	sugar transport protein 10-like
SNP_57520B_26856	scaffold892	NW_004516247.1	26856	TT	GG	GG	URR	101512814	sugar transport protein 10-like
SNP_57521B_26871	scaffold892	NW_004516247.1	26871	TT	CC	CC	URR	101512814	sugar transport protein 10-like
SNP_57522B_26890	scaffold892	NW_004516247.1	26890	CC	TT	TT	URR	101512814	sugar transport protein 10-like
SNP_57523B_26964	scaffold892	NW_004516247.1	26964	CC	GG	GG	URR	101512814	sugar transport protein 10-like
SNP_57524B_27181	scaffold892	NW_004516247.1	27181	TT	GG	GG	URR	101512814	sugar transport protein 10-like
SNP_57525B_27270	scaffold892	NW_004516247.1	27270	TT	CC	CC	URR	101512814	sugar transport protein 10-like
SNP_57526B_27315	scaffold892	NW_004516247.1	27315	TT	GG	GG	URR	101512814	sugar transport protein 10-like
SNP_57527B_27376	scaffold892	NW_004516247.1	27376	CC	TT	TT	URR	101512814	sugar transport protein 10-like
SNP_57528B_27389	scaffold892	NW_004516247.1	27389	TT	AA	AA	URR	101512814	sugar transport protein 10-like
SNP_57529B_27431	scaffold892	NW_004516247.1	27431	AA	CC	CC	URR	101512814	sugar transport protein 10-like
SNP_57530B_27491	scaffold892	NW_004516247.1	27491	CC	GG	GG	URR	101512814	sugar transport protein 10-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57531B_27603	scaffold892	NW_004516247.1	27603	AA	TT	TT	URR	101512814	sugar transport protein 10-like
SNP_57532B_27605	scaffold892	NW_004516247.1	27605	CC	TT	TT	URR	101512814	sugar transport protein 10-like
SNP_57533B_27680	scaffold892	NW_004516247.1	27680	AA	GG	GG	URR	101512814	sugar transport protein 10-like
SNP_57534B_27719	scaffold892	NW_004516247.1	27719	AA	TT	TT	URR	101512814	sugar transport protein 10-like
SNP_57535B_28212	scaffold892	NW_004516247.1	28212	TT	AA	AA	INTERGENIC		
SNP_57536B_28262	scaffold892	NW_004516247.1	28262	TT	CC	CC	INTERGENIC		
SNP_57537B_28419	scaffold892	NW_004516247.1	28419	TT	CC	CC	INTERGENIC		
SNP_57539B_28569	scaffold892	NW_004516247.1	28569	AA	CC	CC	INTERGENIC		
SNP_57540B_29190	scaffold892	NW_004516247.1	29190	GG	TT	TT	INTERGENIC		
SNP_57541B_29661	scaffold892	NW_004516247.1	29661	CC	AA	AA	INTERGENIC		
SNP_57543B_29952	scaffold892	NW_004516247.1	29952	GG	AA	AA	INTERGENIC		
SNP_57544B_30254	scaffold892	NW_004516247.1	30254	TT	AA	AA	INTERGENIC		
SNP_57545B_30275	scaffold892	NW_004516247.1	30275	AA	TT	TT	INTERGENIC		
SNP_57546B_30278	scaffold892	NW_004516247.1	30278	AA	TT	TT	INTERGENIC		
SNP_57547B_30331	scaffold892	NW_004516247.1	30331	TT	CC	CC	INTERGENIC		
SNP_57548B_30377	scaffold892	NW_004516247.1	30377	AA	GG	GG	INTERGENIC		
SNP_57549B_32627	scaffold892	NW_004516247.1	32627	CC	AA	AA	INTERGENIC		
SNP_57550B_32663	scaffold892	NW_004516247.1	32663	TT	AA	AA	INTERGENIC		
SNP_57551B_32700	scaffold892	NW_004516247.1	32700	GG	AA	AA	INTERGENIC		
SNP_57552B_32752	scaffold892	NW_004516247.1	32752	TT	GG	GG	INTERGENIC		
SNP_57553B_32804	scaffold892	NW_004516247.1	32804	TT	GG	GG	INTERGENIC		
SNP_57554B_32884	scaffold892	NW_004516247.1	32884	TT	AA	AA	INTERGENIC		
SNP_57555B_32939	scaffold892	NW_004516247.1	32939	TT	CC	CC	INTERGENIC		
SNP_57556B_32969	scaffold892	NW_004516247.1	32969	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57557B_32976	scaffold892	NW_004516247.1	32976	GG	AA	AA	INTERGENIC		
SNP_57558B_32982	scaffold892	NW_004516247.1	32982	AA	TT	TT	INTERGENIC		
SNP_57559B_33008	scaffold892	NW_004516247.1	33008	CC	TT	TT	INTERGENIC		
SNP_57560B_33015	scaffold892	NW_004516247.1	33015	TT	CC	CC	INTERGENIC		
SNP_57561B_33137	scaffold892	NW_004516247.1	33137	TT	GG	GG	INTERGENIC		
SNP_57562B_33159	scaffold892	NW_004516247.1	33159	TT	AA	AA	INTERGENIC		
SNP_57563B_33161	scaffold892	NW_004516247.1	33161	TT	GG	GG	INTERGENIC		
SNP_57564B_33178	scaffold892	NW_004516247.1	33178	TT	CC	CC	INTERGENIC		
SNP_57565B_33192	scaffold892	NW_004516247.1	33192	AA	GG	GG	INTERGENIC		
SNP_57566B_33216	scaffold892	NW_004516247.1	33216	GG	AA	AA	INTERGENIC		
SNP_57567B_33217	scaffold892	NW_004516247.1	33217	GG	TT	TT	INTERGENIC		
SNP_57568B_33242	scaffold892	NW_004516247.1	33242	CC	AA	AA	INTERGENIC		
SNP_57569B_33261	scaffold892	NW_004516247.1	33261	TT	CC	CC	INTERGENIC		
SNP_57570B_33295	scaffold892	NW_004516247.1	33295	GG	AA	AA	INTERGENIC		
SNP_57571B_33310	scaffold892	NW_004516247.1	33310	TT	CC	CC	INTERGENIC		
SNP_57572B_33391	scaffold892	NW_004516247.1	33391	TT	AA	AA	INTERGENIC		
SNP_57573B_33539	scaffold892	NW_004516247.1	33539	TT	CC	CC	INTERGENIC		
SNP_57576B_33888	scaffold892	NW_004516247.1	33888	CC	TT	TT	INTERGENIC		
SNP_57577B_34187	scaffold892	NW_004516247.1	34187	GG	TT	TT	DRR	101513144	sugar transport protein 4-like
SNP_57578B_34244	scaffold892	NW_004516247.1	34244	AA	TT	TT	DRR	101513144	sugar transport protein 4-like
SNP_57579B_34329	scaffold892	NW_004516247.1	34329	TT	CC	CC	DRR	101513144	sugar transport protein 4-like
SNP_57580B_34334	scaffold892	NW_004516247.1	34334	AA	CC	CC	DRR	101513144	sugar transport protein 4-like
SNP_57581B_34412	scaffold892	NW_004516247.1	34412	GG	AA	AA	DRR	101513144	sugar transport protein 4-like
SNP_57583B_34480	scaffold892	NW_004516247.1	34480	AA	TT	TT	DRR	101513144	sugar transport protein 4-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57584B_34508	scaffold892	NW_004516247.1	34508	CC	GG	GG	DRR	101513144	sugar transport protein 4-like
SNP_57585B_34581	scaffold892	NW_004516247.1	34581	AA	GG	GG	DRR	101513144	sugar transport protein 4-like
SNP_57586B_34588	scaffold892	NW_004516247.1	34588	GG	CC	CC	DRR	101513144	sugar transport protein 4-like
SNP_57587B_34615	scaffold892	NW_004516247.1	34615	AA	GG	GG	DRR	101513144	sugar transport protein 4-like
SNP_57588B_34630	scaffold892	NW_004516247.1	34630	TT	AA	AA	DRR	101513144	sugar transport protein 4-like
SNP_57589B_34931	scaffold892	NW_004516247.1	34931	TT	AA	AA	DRR	101513144	sugar transport protein 4-like
SNP_57590B_34972	scaffold892	NW_004516247.1	34972	TT	AA	AA	DRR	101513144	sugar transport protein 4-like
SNP_57591B_35109	scaffold892	NW_004516247.1	35109	AA	CC	CC	DRR	101513144	sugar transport protein 4-like
SNP_57592B_36620	scaffold892	NW_004516247.1	36620	AA	GG	GG	URR	101513144	sugar transport protein 4-like
SNP_57593B_36674	scaffold892	NW_004516247.1	36674	GG	TT	TT	URR	101513144	sugar transport protein 4-like
SNP_57594B_36799	scaffold892	NW_004516247.1	36799	CC	TT	TT	URR	101513144	sugar transport protein 4-like
SNP_57595B_37080	scaffold892	NW_004516247.1	37080	CC	GG	GG	URR	101513144	sugar transport protein 4-like
SNP_57596B_37265	scaffold892	NW_004516247.1	37265	GG	AA	AA	URR	101513144	sugar transport protein 4-like
SNP_57597B_37433	scaffold892	NW_004516247.1	37433	TT	GG	GG	URR	101513144	sugar transport protein 4-like
SNP_57598B_37707	scaffold892	NW_004516247.1	37707	GG	AA	AA	URR	101513144	sugar transport protein 4-like
SNP_57599B_37746	scaffold892	NW_004516247.1	37746	CC	TT	TT	URR	101513144	sugar transport protein 4-like
SNP_57600B_38045	scaffold892	NW_004516247.1	38045	GG	TT	TT	INTERGENIC		
SNP_57601B_38060	scaffold892	NW_004516247.1	38060	TT	AA	AA	INTERGENIC		
SNP_57602B_38103	scaffold892	NW_004516247.1	38103	GG	AA	AA	INTERGENIC		
SNP_57603B_38110	scaffold892	NW_004516247.1	38110	CC	TT	TT	INTERGENIC		
SNP_57604B_38496	scaffold892	NW_004516247.1	38496	CC	TT	TT	INTERGENIC		
SNP_57605B_38793	scaffold892	NW_004516247.1	38793	TT	CC	CC	INTERGENIC		
SNP_57606B_40471	scaffold892	NW_004516247.1	40471	TT	CC	CC	INTERGENIC		
SNP_57607B_40713	scaffold892	NW_004516247.1	40713	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57608B_40766	scaffold892	NW_004516247.1	40766	AA	CC	CC	INTERGENIC		
SNP_57611B_44009	scaffold892	NW_004516247.1	44009	TT	CC	CC	INTERGENIC		
SNP_57612B_44197	scaffold892	NW_004516247.1	44197	AA	TT	TT	INTERGENIC		
SNP_57614B_44478	scaffold892	NW_004516247.1	44478	AA	GG	GG	INTERGENIC		
SNP_57615B_46301	scaffold892	NW_004516247.1	46301	TT	GG	GG	INTERGENIC		
SNP_57616B_46668	scaffold892	NW_004516247.1	46668	TT	CC	CC	INTERGENIC		
SNP_57617B_54945	scaffold892	NW_004516247.1	54945	CC	GG	GG	INTERGENIC		
SNP_57618B_59657	scaffold892	NW_004516247.1	59657	CC	TT	TT	INTERGENIC		
SNP_57620B_60741	scaffold892	NW_004516247.1	60741	AA	GG	GG	INTERGENIC		
SNP_57621B_60784	scaffold892	NW_004516247.1	60784	AA	GG	GG	INTERGENIC		
SNP_57622B_1353	scaffold893	NW_004516248.1	1353	GG	AA	AA	INTERGENIC		
SNP_57623B_1794	scaffold893	NW_004516248.1	1794	GG	AA	AA	INTERGENIC		
SNP_57624B_1849	scaffold893	NW_004516248.1	1849	AA	TT	TT	INTERGENIC		
SNP_57625B_1862	scaffold893	NW_004516248.1	1862	TT	CC	CC	INTERGENIC		
SNP_57626B_1872	scaffold893	NW_004516248.1	1872	TT	AA	AA	INTERGENIC		
SNP_57627B_1884	scaffold893	NW_004516248.1	1884	GG	AA	AA	INTERGENIC		
SNP_57629B_2081	scaffold893	NW_004516248.1	2081	TT	CC	CC	INTERGENIC		
SNP_57630B_2222	scaffold893	NW_004516248.1	2222	GG	AA	AA	INTERGENIC		
SNP_57631B_2328	scaffold893	NW_004516248.1	2328	AA	GG	GG	INTERGENIC		
SNP_57632B_2349	scaffold893	NW_004516248.1	2349	CC	TT	TT	INTERGENIC		
SNP_57633B_2361	scaffold893	NW_004516248.1	2361	GG	TT	TT	INTERGENIC		
SNP_57634B_2367	scaffold893	NW_004516248.1	2367	AA	CC	CC	INTERGENIC		
SNP_57635B_2377	scaffold893	NW_004516248.1	2377	TT	CC	CC	INTERGENIC		
SNP_57636B_2380	scaffold893	NW_004516248.1	2380	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57637B_2422	scaffold893	NW_004516248.1	2422	TT	AA	AA	INTERGENIC		
SNP_57638B_2426	scaffold893	NW_004516248.1	2426	AA	GG	GG	INTERGENIC		
SNP_57639B_2427	scaffold893	NW_004516248.1	2427	TT	CC	CC	INTERGENIC		
SNP_57640B_2434	scaffold893	NW_004516248.1	2434	TT	CC	CC	INTERGENIC		
SNP_57641B_2459	scaffold893	NW_004516248.1	2459	TT	CC	CC	INTERGENIC		
SNP_57643B_11169	scaffold893	NW_004516248.1	11169	TT	GG	GG	INTERGENIC		
SNP_57644B_21131	scaffold893	NW_004516248.1	21131	GG	AA	AA	INTERGENIC		
SNP_57645B_21427	scaffold893	NW_004516248.1	21427	CC	GG	GG	INTERGENIC		
SNP_57646B_21474	scaffold893	NW_004516248.1	21474	AA	TT	TT	INTERGENIC		
SNP_57648B_105571	scaffold895	NW_004516250.1	105571	CC	AA	AA	NON_SYNONYMOUS_CODING	101489175	pentatricopeptide repeat-containing protein At3g22470, mitochondrial-like
SNP_57649B_107670	scaffold895	NW_004516250.1	107670	GG	TT	TT	INTRON	101489175	pentatricopeptide repeat-containing protein At3g22470, mitochondrial-like
SNP_57650B_127149	scaffold895	NW_004516250.1	127149	CC	TT	TT	INTERGENIC		
SNP_57651B_170728	scaffold895	NW_004516250.1	170728	TT	CC	CC	INTERGENIC		
SNP_57653B_14622	scaffold896	NW_004516251.1	14622	TT	CC	CC	INTERGENIC		
SNP_57654B_14625	scaffold896	NW_004516251.1	14625	TT	CC	CC	INTERGENIC		
SNP_57657B_14722	scaffold896	NW_004516251.1	14722	TT	CC	CC	INTERGENIC		
SNP_57658B_14800	scaffold896	NW_004516251.1	14800	CC	TT	TT	INTERGENIC		
SNP_57659B_14807	scaffold896	NW_004516251.1	14807	TT	CC	CC	INTERGENIC		
SNP_57660B_14817	scaffold896	NW_004516251.1	14817	CC	GG	GG	INTERGENIC		
SNP_57661B_15584	scaffold896	NW_004516251.1	15584	GG	AA	AA	INTERGENIC		
SNP_57662B_15604	scaffold896	NW_004516251.1	15604	TT	CC	CC	INTERGENIC		
SNP_57663B_15614	scaffold896	NW_004516251.1	15614	TT	CC	CC	INTERGENIC		
SNP_57664B_15682	scaffold896	NW_004516251.1	15682	TT	GG	GG	INTERGENIC		
SNP_57665B_22584	scaffold896	NW_004516251.1	22584	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57666B_37933	scaffold896	NW_004516251.1	37933	TT	AA	AA	INTERGENIC		
SNP_57667B_37941	scaffold896	NW_004516251.1	37941	CC	TT	TT	INTERGENIC		
SNP_57668B_42665	scaffold896	NW_004516251.1	42665	TT	GG	GG	INTERGENIC		
SNP_57670B_13499	scaffold900	NW_004516255.1	13499	TT	AA	AA	INTERGENIC		
SNP_57671B_13795	scaffold900	NW_004516255.1	13795	GG	AA	AA	INTERGENIC		
SNP_57672B_13812	scaffold900	NW_004516255.1	13812	AA	CC	CC	INTERGENIC		
SNP_57673B_13870	scaffold900	NW_004516255.1	13870	GG	AA	AA	INTERGENIC		
SNP_57674B_29465	scaffold900	NW_004516255.1	29465	TT	AA	AA	INTERGENIC		
SNP_57675B_29495	scaffold900	NW_004516255.1	29495	GG	AA	AA	INTERGENIC		
SNP_57676B_29518	scaffold900	NW_004516255.1	29518	CC	TT	TT	INTERGENIC		
SNP_57677B_29543	scaffold900	NW_004516255.1	29543	TT	AA	AA	INTERGENIC		
SNP_57678B_29648	scaffold900	NW_004516255.1	29648	CC	TT	TT	INTERGENIC		
SNP_57679B_29667	scaffold900	NW_004516255.1	29667	TT	CC	CC	INTERGENIC		
SNP_57680B_36680	scaffold900	NW_004516255.1	36680	AA	TT	TT	INTERGENIC		
SNP_57681B_36681	scaffold900	NW_004516255.1	36681	CC	TT	TT	INTERGENIC		
SNP_57682B_36981	scaffold900	NW_004516255.1	36981	TT	AA	AA	INTERGENIC		
SNP_57683B_39140	scaffold900	NW_004516255.1	39140	TT	CC	CC	INTERGENIC		
SNP_57684B_40330	scaffold900	NW_004516255.1	40330	TT	AA	AA	INTERGENIC		
SNP_57685B_41421	scaffold900	NW_004516255.1	41421	TT	CC	CC	INTERGENIC		
SNP_57686B_41442	scaffold900	NW_004516255.1	41442	CC	TT	TT	INTERGENIC		
SNP_57687B_41496	scaffold900	NW_004516255.1	41496	AA	CC	CC	INTERGENIC		
SNP_57688B_41666	scaffold900	NW_004516255.1	41666	GG	CC	CC	INTERGENIC		
SNP_57689B_41714	scaffold900	NW_004516255.1	41714	GG	CC	CC	INTERGENIC		
SNP_57690B_41768	scaffold900	NW_004516255.1	41768	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57691B_41789	scaffold900	NW_004516255.1	41789	TT	CC	CC	INTERGENIC		
SNP_57692B_41821	scaffold900	NW_004516255.1	41821	TT	GG	GG	INTERGENIC		
SNP_57693B_41894	scaffold900	NW_004516255.1	41894	CC	TT	TT	INTERGENIC		
SNP_57694B_41911	scaffold900	NW_004516255.1	41911	GG	AA	AA	INTERGENIC		
SNP_57695B_42089	scaffold900	NW_004516255.1	42089	CC	TT	TT	INTERGENIC		
SNP_57696B_42183	scaffold900	NW_004516255.1	42183	TT	CC	CC	INTERGENIC		
SNP_57697B_42285	scaffold900	NW_004516255.1	42285	TT	AA	AA	INTERGENIC		
SNP_57698B_42349	scaffold900	NW_004516255.1	42349	TT	AA	AA	INTERGENIC		
SNP_57699B_42419	scaffold900	NW_004516255.1	42419	GG	TT	TT	INTERGENIC		
SNP_57700B_42432	scaffold900	NW_004516255.1	42432	AA	TT	TT	INTERGENIC		
SNP_57701B_42536	scaffold900	NW_004516255.1	42536	AA	GG	GG	INTERGENIC		
SNP_57702B_42537	scaffold900	NW_004516255.1	42537	GG	TT	TT	INTERGENIC		
SNP_57703B_42732	scaffold900	NW_004516255.1	42732	CC	TT	TT	INTERGENIC		
SNP_57704B_42734	scaffold900	NW_004516255.1	42734	GG	TT	TT	INTERGENIC		
SNP_57705B_42754	scaffold900	NW_004516255.1	42754	TT	CC	CC	INTERGENIC		
SNP_57706B_42786	scaffold900	NW_004516255.1	42786	CC	GG	GG	INTERGENIC		
SNP_57707B_42824	scaffold900	NW_004516255.1	42824	TT	AA	AA	INTERGENIC		
SNP_57708B_42986	scaffold900	NW_004516255.1	42986	GG	AA	AA	INTERGENIC		
SNP_57709B_42989	scaffold900	NW_004516255.1	42989	GG	CC	CC	INTERGENIC		
SNP_57710B_45450	scaffold900	NW_004516255.1	45450	GG	AA	AA	INTERGENIC		
SNP_57711B_45462	scaffold900	NW_004516255.1	45462	TT	AA	AA	INTERGENIC		
SNP_57712B_45463	scaffold900	NW_004516255.1	45463	GG	AA	AA	INTERGENIC		
SNP_57713B_45533	scaffold900	NW_004516255.1	45533	TT	GG	GG	INTERGENIC		
SNP_57714B_46918	scaffold900	NW_004516255.1	46918	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57715B_46975	scaffold900	NW_004516255.1	46975	GG	AA	AA	INTERGENIC		
SNP_57716B_46987	scaffold900	NW_004516255.1	46987	CC	TT	TT	INTERGENIC		
SNP_57717B_46989	scaffold900	NW_004516255.1	46989	CC	TT	TT	INTERGENIC		
SNP_57718B_47149	scaffold900	NW_004516255.1	47149	TT	CC	CC	INTERGENIC		
SNP_57719B_47407	scaffold900	NW_004516255.1	47407	GG	AA	AA	INTERGENIC		
SNP_57720B_47413	scaffold900	NW_004516255.1	47413	AA	CC	CC	INTERGENIC		
SNP_57721B_47415	scaffold900	NW_004516255.1	47415	CC	AA	AA	INTERGENIC		
SNP_57722B_47428	scaffold900	NW_004516255.1	47428	CC	TT	TT	INTERGENIC		
SNP_57723B_47430	scaffold900	NW_004516255.1	47430	AA	TT	TT	INTERGENIC		
SNP_57724B_47441	scaffold900	NW_004516255.1	47441	AA	CC	CC	INTERGENIC		
SNP_57725B_47513	scaffold900	NW_004516255.1	47513	GG	AA	AA	INTERGENIC		
SNP_57726B_47672	scaffold900	NW_004516255.1	47672	AA	CC	CC	INTERGENIC		
SNP_57727B_47769	scaffold900	NW_004516255.1	47769	GG	TT	TT	INTERGENIC		
SNP_57728B_51320	scaffold900	NW_004516255.1	51320	CC	TT	TT	INTERGENIC		
SNP_57729B_51375	scaffold900	NW_004516255.1	51375	TT	CC	CC	INTERGENIC		
SNP_57730B_13270	scaffold901	NW_004516256.1	13270	AA	GG	GG	INTERGENIC		
SNP_57731B_19857	scaffold901	NW_004516256.1	19857	CC	TT	TT	INTERGENIC		
SNP_57732B_20250	scaffold901	NW_004516256.1	20250	GG	CC	CC	INTERGENIC		
SNP_57733B_20278	scaffold901	NW_004516256.1	20278	AA	GG	GG	INTERGENIC		
SNP_57734B_23759	scaffold901	NW_004516256.1	23759	CC	AA	AA	INTERGENIC		
SNP_57735B_23765	scaffold901	NW_004516256.1	23765	AA	GG	GG	INTERGENIC		
SNP_57736B_23772	scaffold901	NW_004516256.1	23772	AA	GG	GG	INTERGENIC		
SNP_57737B_23799	scaffold901	NW_004516256.1	23799	TT	AA	AA	INTERGENIC		
SNP_57738B_46297	scaffold901	NW_004516256.1	46297	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57739B_46302	scaffold901	NW_004516256.1	46302	TT	CC	CC	INTERGENIC		
SNP_57740B_46303	scaffold901	NW_004516256.1	46303	TT	CC	CC	INTERGENIC		
SNP_57741B_69555	scaffold901	NW_004516256.1	69555	GG	TT	TT	INTERGENIC		
SNP_57742B_69559	scaffold901	NW_004516256.1	69559	AA	GG	GG	INTERGENIC		
SNP_57743B_69585	scaffold901	NW_004516256.1	69585	TT	CC	CC	INTERGENIC		
SNP_57744B_136782	scaffold901	NW_004516256.1	136782	GG	AA	AA	INTERGENIC		
SNP_57745B_143131	scaffold901	NW_004516256.1	143131	AA	GG	GG	INTERGENIC		
SNP_57746B_143163	scaffold901	NW_004516256.1	143163	GG	TT	TT	INTERGENIC		
SNP_57747B_143164	scaffold901	NW_004516256.1	143164	AA	GG	GG	INTERGENIC		
SNP_57748B_221916	scaffold901	NW_004516256.1	221916	AA	CC	CC	INTERGENIC		
SNP_57749B_222304	scaffold901	NW_004516256.1	222304	AA	GG	GG	INTERGENIC		
SNP_57750B_229453	scaffold901	NW_004516256.1	229453	CC	TT	TT	INTERGENIC		
SNP_57751B_233257	scaffold901	NW_004516256.1	233257	AA	GG	GG	INTERGENIC		
SNP_57753B_233287	scaffold901	NW_004516256.1	233287	AA	GG	GG	INTERGENIC		
SNP_57754B_233293	scaffold901	NW_004516256.1	233293	TT	CC	CC	INTERGENIC		
SNP_57755B_233559	scaffold901	NW_004516256.1	233559	TT	AA	AA	INTERGENIC		
SNP_57756B_233560	scaffold901	NW_004516256.1	233560	GG	TT	TT	INTERGENIC		
SNP_57757B_239432	scaffold901	NW_004516256.1	239432	TT	CC	CC	INTERGENIC		
SNP_57758B_11632	scaffold904	NW_004516258.1	11632	CC	TT	TT	INTERGENIC		
SNP_57759B_11648	scaffold904	NW_004516258.1	11648	TT	GG	GG	INTERGENIC		
SNP_57760B_11685	scaffold904	NW_004516258.1	11685	TT	AA	AA	INTERGENIC		
SNP_57761B_14539	scaffold904	NW_004516258.1	14539	AA	GG	GG	INTERGENIC		
SNP_57762B_14893	scaffold904	NW_004516258.1	14893	CC	TT	TT	INTERGENIC		
SNP_57763B_16521	scaffold904	NW_004516258.1	16521	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57764B_16592	scaffold904	NW_004516258.1	16592	CC	TT	TT	INTERGENIC		
SNP_57765B_16716	scaffold904	NW_004516258.1	16716	TT	CC	CC	INTERGENIC		
SNP_57766B_16760	scaffold904	NW_004516258.1	16760	TT	CC	CC	INTERGENIC		
SNP_57767B_16761	scaffold904	NW_004516258.1	16761	AA	CC	CC	INTERGENIC		
SNP_57768B_20303	scaffold904	NW_004516258.1	20303	TT	AA	AA	INTERGENIC		
SNP_57769B_11338	scaffold908	NW_004516261.1	11338	TT	CC	CC	INTERGENIC		
SNP_57770B_11341	scaffold908	NW_004516261.1	11341	CC	TT	TT	INTERGENIC		
SNP_57771B_11358	scaffold908	NW_004516261.1	11358	TT	CC	CC	INTERGENIC		
SNP_57772B_11373	scaffold908	NW_004516261.1	11373	CC	AA	AA	INTERGENIC		
SNP_57773B_11419	scaffold908	NW_004516261.1	11419	CC	TT	TT	INTERGENIC		
SNP_57774B_11439	scaffold908	NW_004516261.1	11439	CC	TT	TT	INTERGENIC		
SNP_57775B_18137	scaffold908	NW_004516261.1	18137	TT	CC	CC	INTERGENIC		
SNP_57776B_18181	scaffold908	NW_004516261.1	18181	TT	AA	AA	INTERGENIC		
SNP_57777B_18227	scaffold908	NW_004516261.1	18227	GG	AA	AA	INTERGENIC		
SNP_57778B_18643	scaffold908	NW_004516261.1	18643	GG	CC	CC	INTERGENIC		
SNP_57779B_18766	scaffold908	NW_004516261.1	18766	AA	GG	GG	INTERGENIC		
SNP_57780B_31232	scaffold908	NW_004516261.1	31232	AA	GG	GG	INTERGENIC		
SNP_57781B_31267	scaffold908	NW_004516261.1	31267	CC	TT	TT	INTERGENIC		
SNP_57782B_31388	scaffold908	NW_004516261.1	31388	CC	TT	TT	INTERGENIC		
SNP_57783B_31403	scaffold908	NW_004516261.1	31403	GG	TT	TT	INTERGENIC		
SNP_57784B_37053	scaffold908	NW_004516261.1	37053	AA	GG	GG	INTERGENIC		
SNP_57785B_41004	scaffold908	NW_004516261.1	41004	TT	AA	AA	INTERGENIC		
SNP_57786B_41207	scaffold908	NW_004516261.1	41207	TT	CC	CC	INTERGENIC		
SNP_57787B_589	scaffold909	NW_004516262.1	589	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57788B_1711	scaffold909	NW_004516262.1	1711	CC	TT	TT	INTERGENIC		
SNP_57789B_1729	scaffold909	NW_004516262.1	1729	GG	AA	AA	INTERGENIC		
SNP_57790B_3824	scaffold909	NW_004516262.1	3824	AA	TT	TT	INTERGENIC		
SNP_57791B_3889	scaffold909	NW_004516262.1	3889	CC	AA	AA	INTERGENIC		
SNP_57792B_3978	scaffold909	NW_004516262.1	3978	CC	TT	TT	INTERGENIC		
SNP_57793B_4540	scaffold909	NW_004516262.1	4540	TT	GG	GG	INTERGENIC		
SNP_57794B_5135	scaffold909	NW_004516262.1	5135	TT	AA	AA	INTERGENIC		
SNP_57795B_5199	scaffold909	NW_004516262.1	5199	AA	GG	GG	INTERGENIC		
SNP_57796B_5269	scaffold909	NW_004516262.1	5269	CC	TT	TT	INTERGENIC		
SNP_57797B_5287	scaffold909	NW_004516262.1	5287	GG	AA	AA	INTERGENIC		
SNP_57798B_5649	scaffold909	NW_004516262.1	5649	CC	TT	TT	INTERGENIC		
SNP_57799B_5735	scaffold909	NW_004516262.1	5735	TT	GG	GG	INTERGENIC		
SNP_57800B_5847	scaffold909	NW_004516262.1	5847	GG	AA	AA	INTERGENIC		
SNP_57801B_5848	scaffold909	NW_004516262.1	5848	AA	CC	CC	INTERGENIC		
SNP_57802B_6162	scaffold909	NW_004516262.1	6162	TT	CC	CC	INTERGENIC		
SNP_57803B_6397	scaffold909	NW_004516262.1	6397	TT	CC	CC	INTERGENIC		
SNP_57804B_6652	scaffold909	NW_004516262.1	6652	AA	TT	TT	INTERGENIC		
SNP_57806B_6855	scaffold909	NW_004516262.1	6855	CC	TT	TT	INTERGENIC		
SNP_57807B_6901	scaffold909	NW_004516262.1	6901	AA	GG	GG	INTERGENIC		
SNP_57808B_6925	scaffold909	NW_004516262.1	6925	TT	CC	CC	INTERGENIC		
SNP_57809B_6999	scaffold909	NW_004516262.1	6999	AA	CC	CC	INTERGENIC		
SNP_57810B_8135	scaffold909	NW_004516262.1	8135	TT	CC	CC	INTERGENIC		
SNP_57811B_8162	scaffold909	NW_004516262.1	8162	AA	TT	TT	INTERGENIC		
SNP_57812B_8185	scaffold909	NW_004516262.1	8185	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57813B_8187	scaffold909	NW_004516262.1	8187	CC	TT	TT	INTERGENIC		
SNP_57814B_8213	scaffold909	NW_004516262.1	8213	TT	GG	GG	INTERGENIC		
SNP_57815B_8229	scaffold909	NW_004516262.1	8229	AA	GG	GG	INTERGENIC		
SNP_57816B_8302	scaffold909	NW_004516262.1	8302	AA	GG	GG	INTERGENIC		
SNP_57817B_8304	scaffold909	NW_004516262.1	8304	GG	AA	AA	INTERGENIC		
SNP_57818B_8354	scaffold909	NW_004516262.1	8354	AA	CC	CC	INTERGENIC		
SNP_57819B_8358	scaffold909	NW_004516262.1	8358	AA	GG	GG	INTERGENIC		
SNP_57820B_8607	scaffold909	NW_004516262.1	8607	TT	GG	GG	INTERGENIC		
SNP_57821B_8612	scaffold909	NW_004516262.1	8612	CC	AA	AA	INTERGENIC		
SNP_57822B_8621	scaffold909	NW_004516262.1	8621	GG	AA	AA	INTERGENIC		
SNP_57823B_8643	scaffold909	NW_004516262.1	8643	AA	GG	GG	INTERGENIC		
SNP_57824B_8676	scaffold909	NW_004516262.1	8676	AA	GG	GG	INTERGENIC		
SNP_57825B_8685	scaffold909	NW_004516262.1	8685	GG	AA	AA	INTERGENIC		
SNP_57826B_8711	scaffold909	NW_004516262.1	8711	AA	TT	TT	INTERGENIC		
SNP_57827B_8715	scaffold909	NW_004516262.1	8715	AA	GG	GG	INTERGENIC		
SNP_57828B_8723	scaffold909	NW_004516262.1	8723	TT	GG	GG	INTERGENIC		
SNP_57829B_8726	scaffold909	NW_004516262.1	8726	AA	GG	GG	INTERGENIC		
SNP_57830B_8743	scaffold909	NW_004516262.1	8743	AA	GG	GG	INTERGENIC		
SNP_57831B_10162	scaffold909	NW_004516262.1	10162	GG	TT	TT	INTERGENIC		
SNP_57832B_10307	scaffold909	NW_004516262.1	10307	AA	GG	GG	INTERGENIC		
SNP_57833B_10384	scaffold909	NW_004516262.1	10384	GG	AA	AA	INTERGENIC		
SNP_57834B_10508	scaffold909	NW_004516262.1	10508	TT	CC	CC	INTERGENIC		
SNP_57835B_10510	scaffold909	NW_004516262.1	10510	CC	GG	GG	INTERGENIC		
SNP_57836B_10722	scaffold909	NW_004516262.1	10722	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57837B_11793	scaffold909	NW_004516262.1	11793	GG	AA	AA	INTERGENIC		
SNP_57838B_18281	scaffold909	NW_004516262.1	18281	AA	GG	GG	INTERGENIC		
SNP_57839B_18294	scaffold909	NW_004516262.1	18294	GG	AA	AA	INTERGENIC		
SNP_57840B_18365	scaffold909	NW_004516262.1	18365	CC	GG	GG	INTERGENIC		
SNP_57841B_18453	scaffold909	NW_004516262.1	18453	TT	CC	CC	INTERGENIC		
SNP_57842B_18541	scaffold909	NW_004516262.1	18541	TT	GG	GG	INTERGENIC		
SNP_57843B_21787	scaffold909	NW_004516262.1	21787	GG	AA	AA	DRR	101493621	Unknown function
SNP_57844B_22481	scaffold909	NW_004516262.1	22481	AA	TT	TT	DRR	101493621	Unknown function
SNP_57845B_24797	scaffold909	NW_004516262.1	24797	GG	AA	AA	NON_SYNONYMOUS_CODING	101493621	Unknown function
SNP_57846B_25077	scaffold909	NW_004516262.1	25077	GG	CC	CC	URR	101493621	Unknown function
SNP_57847B_26216	scaffold909	NW_004516262.1	26216	AA	GG	GG	URR	101493621	Unknown function
SNP_57848B_26331	scaffold909	NW_004516262.1	26331	GG	AA	AA	URR	101493621	Unknown function
SNP_57849B_26541	scaffold909	NW_004516262.1	26541	TT	CC	CC	URR	101493621	Unknown function
SNP_57850B_26782	scaffold909	NW_004516262.1	26782	TT	CC	CC	URR	101493621	Unknown function
SNP_57851B_26997	scaffold909	NW_004516262.1	26997	GG	AA	AA	INTERGENIC		
SNP_57852B_27056	scaffold909	NW_004516262.1	27056	CC	GG	GG	INTERGENIC		
SNP_57853B_27202	scaffold909	NW_004516262.1	27202	GG	AA	AA	INTERGENIC		
SNP_57854B_27214	scaffold909	NW_004516262.1	27214	AA	GG	GG	INTERGENIC		
SNP_57855B_27216	scaffold909	NW_004516262.1	27216	TT	CC	CC	INTERGENIC		
SNP_57856B_27243	scaffold909	NW_004516262.1	27243	AA	CC	CC	INTERGENIC		
SNP_57857B_27269	scaffold909	NW_004516262.1	27269	CC	TT	TT	INTERGENIC		
SNP_57858B_27397	scaffold909	NW_004516262.1	27397	AA	GG	GG	INTERGENIC		
SNP_57859B_27586	scaffold909	NW_004516262.1	27586	CC	TT	TT	INTERGENIC		
SNP_57860B_29428	scaffold909	NW_004516262.1	29428	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57861B_32868	scaffold909	NW_004516262.1	32868	CC	AA	AA	INTERGENIC		
SNP_57862B_33589	scaffold909	NW_004516262.1	33589	CC	TT	TT	INTERGENIC		
SNP_57863B_35811	scaffold909	NW_004516262.1	35811	CC	AA	AA	INTERGENIC		
SNP_57864B_35861	scaffold909	NW_004516262.1	35861	GG	AA	AA	INTERGENIC		
SNP_57865B_35933	scaffold909	NW_004516262.1	35933	GG	AA	AA	INTERGENIC		
SNP_57866B_35975	scaffold909	NW_004516262.1	35975	TT	CC	CC	INTERGENIC		
SNP_57867B_35982	scaffold909	NW_004516262.1	35982	TT	CC	CC	INTERGENIC		
SNP_57868B_35990	scaffold909	NW_004516262.1	35990	CC	TT	TT	INTERGENIC		
SNP_57869B_36043	scaffold909	NW_004516262.1	36043	AA	TT	TT	INTERGENIC		
SNP_57870B_53886	scaffold909	NW_004516262.1	53886	CC	TT	TT	INTERGENIC		
SNP_57871B_54000	scaffold909	NW_004516262.1	54000	TT	CC	CC	INTERGENIC		
SNP_57872B_54146	scaffold909	NW_004516262.1	54146	CC	TT	TT	INTERGENIC		
SNP_57873B_54224	scaffold909	NW_004516262.1	54224	CC	TT	TT	INTERGENIC		
SNP_57874B_3938	scaffold910	NW_004516263.1	3938	TT	CC	CC	INTERGENIC		
SNP_57875B_8557	scaffold910	NW_004516263.1	8557	CC	TT	TT	INTRON	101493938	protein trichome birefringence-like 32
SNP_57876B_8620	scaffold910	NW_004516263.1	8620	AA	GG	GG	INTRON	101493938	protein trichome birefringence-like 32
SNP_57877B_82830	scaffold913	NW_004516264.1	82830	AA	CC	CC	INTERGENIC		
SNP_57878B_139074	scaffold913	NW_004516264.1	139074	TT	GG	GG	URR	101499975	putative F-box protein At3g16210
SNP_57879B_139166	scaffold913	NW_004516264.1	139166	AA	GG	GG	URR	101499975	putative F-box protein At3g16210
SNP_57880B_139215	scaffold913	NW_004516264.1	139215	TT	CC	CC	URR	101499975	putative F-box protein At3g16210
SNP_57881B_139831	scaffold913	NW_004516264.1	139831	CC	TT	TT	URR	101499975	putative F-box protein At3g16210
SNP_57882B_139860	scaffold913	NW_004516264.1	139860	AA	GG	GG	URR	101499975	putative F-box protein At3g16210
SNP_57883B_140587	scaffold913	NW_004516264.1	140587	TT	CC	CC	INTERGENIC		
SNP_57884B_140658	scaffold913	NW_004516264.1	140658	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57886B_140861	scaffold913	NW_004516264.1	140861	AA	GG	GG	INTERGENIC		
SNP_57887B_140862	scaffold913	NW_004516264.1	140862	TT	GG	GG	INTERGENIC		
SNP_57888B_140863	scaffold913	NW_004516264.1	140863	GG	AA	AA	INTERGENIC		
SNP_57889B_140908	scaffold913	NW_004516264.1	140908	GG	AA	AA	INTERGENIC		
SNP_57890B_140925	scaffold913	NW_004516264.1	140925	GG	AA	AA	INTERGENIC		
SNP_57891B_140931	scaffold913	NW_004516264.1	140931	GG	AA	AA	INTERGENIC		
SNP_57892B_140989	scaffold913	NW_004516264.1	140989	AA	GG	GG	INTERGENIC		
SNP_57893B_141018	scaffold913	NW_004516264.1	141018	GG	AA	AA	INTERGENIC		
SNP_57894B_141045	scaffold913	NW_004516264.1	141045	AA	TT	TT	INTERGENIC		
SNP_57895B_141049	scaffold913	NW_004516264.1	141049	AA	TT	TT	INTERGENIC		
SNP_57896B_141055	scaffold913	NW_004516264.1	141055	AA	TT	TT	INTERGENIC		
SNP_57897B_141101	scaffold913	NW_004516264.1	141101	AA	GG	GG	INTERGENIC		
SNP_57898B_141103	scaffold913	NW_004516264.1	141103	CC	TT	TT	INTERGENIC		
SNP_57899B_141134	scaffold913	NW_004516264.1	141134	TT	AA	AA	INTERGENIC		
SNP_57900B_141147	scaffold913	NW_004516264.1	141147	TT	AA	AA	INTERGENIC		
SNP_57901B_141154	scaffold913	NW_004516264.1	141154	GG	AA	AA	INTERGENIC		
SNP_57902B_141171	scaffold913	NW_004516264.1	141171	AA	GG	GG	INTERGENIC		
SNP_57903B_141263	scaffold913	NW_004516264.1	141263	CC	GG	GG	INTERGENIC		
SNP_57904B_141271	scaffold913	NW_004516264.1	141271	AA	GG	GG	INTERGENIC		
SNP_57905B_143824	scaffold913	NW_004516264.1	143824	AA	GG	GG	INTERGENIC		
SNP_57906B_143829	scaffold913	NW_004516264.1	143829	TT	GG	GG	INTERGENIC		
SNP_57907B_145607	scaffold913	NW_004516264.1	145607	GG	AA	AA	INTERGENIC		
SNP_57909B_221954	scaffold913	NW_004516264.1	221954	TT	CC	CC	INTERGENIC		
SNP_57910B_230400	scaffold913	NW_004516264.1	230400	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57911B_230404	scaffold913	NW_004516264.1	230404	TT	CC	CC	INTERGENIC		
SNP_57912B_230783	scaffold913	NW_004516264.1	230783	TT	AA	AA	INTERGENIC		
SNP_57913B_230784	scaffold913	NW_004516264.1	230784	TT	AA	AA	INTERGENIC		
SNP_57914B_230860	scaffold913	NW_004516264.1	230860	CC	AA	AA	INTERGENIC		
SNP_57915B_231121	scaffold913	NW_004516264.1	231121	TT	CC	CC	INTERGENIC		
SNP_57916B_251874	scaffold913	NW_004516264.1	251874	AA	TT	TT	DRR	101496950	uncharacterized LOC101496950
SNP_57917B_276128	scaffold913	NW_004516264.1	276128	AA	GG	GG	URR	101497280	uncharacterized LOC101497280
SNP_57919B_283469	scaffold913	NW_004516264.1	283469	AA	GG	GG	INTERGENIC		
SNP_57920B_306028	scaffold913	NW_004516264.1	306028	CC	TT	TT	INTERGENIC		
SNP_57921B_306344	scaffold913	NW_004516264.1	306344	TT	CC	CC	INTERGENIC		
SNP_57922B_310132	scaffold913	NW_004516264.1	310132	TT	CC	CC	INTERGENIC		
SNP_57923B_310138	scaffold913	NW_004516264.1	310138	CC	GG	GG	INTERGENIC		
SNP_57924B_318878	scaffold913	NW_004516264.1	318878	CC	AA	AA	INTRON	101501585	Unknown function
SNP_57925B_396654	scaffold913	NW_004516264.1	396654	AA	GG	GG	DRR	101499044	Unknown function
SNP_57926B_6179	scaffold914	NW_004516265.1	6179	TT	CC	CC	INTERGENIC		
SNP_57927B_20664	scaffold914	NW_004516265.1	20664	TT	AA	AA	URR	101505205	basic 7S globulin 2-like
SNP_57928B_20668	scaffold914	NW_004516265.1	20668	GG	CC	CC	URR	101505205	basic 7S globulin 2-like
SNP_57929B_20673	scaffold914	NW_004516265.1	20673	CC	TT	TT	URR	101505205	basic 7S globulin 2-like
SNP_57930B_20680	scaffold914	NW_004516265.1	20680	AA	GG	GG	URR	101505205	basic 7S globulin 2-like
SNP_57931B_20717	scaffold914	NW_004516265.1	20717	AA	TT	TT	URR	101505205	basic 7S globulin 2-like
SNP_57932B_20738	scaffold914	NW_004516265.1	20738	AA	GG	GG	URR	101505205	basic 7S globulin 2-like
SNP_57933B_20909	scaffold914	NW_004516265.1	20909	TT	CC	CC	URR	101505205	basic 7S globulin 2-like
SNP_57934B_26777	scaffold914	NW_004516265.1	26777	GG	TT	TT	INTERGENIC		
SNP_57935B_31748	scaffold914	NW_004516265.1	31748	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57936B_31754	scaffold914	NW_004516265.1	31754	GG	AA	AA	INTERGENIC		
SNP_57937B_31763	scaffold914	NW_004516265.1	31763	AA	CC	CC	INTERGENIC		
SNP_57938B_32509	scaffold914	NW_004516265.1	32509	CC	AA	AA	INTERGENIC		
SNP_57939B_32720	scaffold914	NW_004516265.1	32720	AA	GG	GG	INTERGENIC		
SNP_57940B_41454	scaffold914	NW_004516265.1	41454	AA	GG	GG	INTERGENIC		
SNP_57941B_41459	scaffold914	NW_004516265.1	41459	TT	CC	CC	INTERGENIC		
SNP_57942B_131547	scaffold914	NW_004516265.1	131547	AA	GG	GG	INTERGENIC		
SNP_57943B_131589	scaffold914	NW_004516265.1	131589	GG	CC	CC	INTERGENIC		
SNP_57944B_158958	scaffold914	NW_004516265.1	158958	AA	TT	TT	INTERGENIC		
SNP_57946B_425	scaffold916	NW_004516266.1	425	TT	CC	CC	URR	101514670	sucrose transport protein SUC8-like
SNP_57947B_594	scaffold916	NW_004516266.1	594	GG	AA	AA	SYNONYMOUS_CODING	101514670	sucrose transport protein SUC8-like
SNP_57948B_708	scaffold916	NW_004516266.1	708	TT	CC	CC	SYNONYMOUS_CODING	101514670	sucrose transport protein SUC8-like
SNP_57949B_2178	scaffold916	NW_004516266.1	2178	AA	GG	GG	INTRON	101514670	sucrose transport protein SUC8-like
SNP_57950B_3203	scaffold916	NW_004516266.1	3203	GG	TT	TT	INTRON	101514670	sucrose transport protein SUC8-like
SNP_57954B_3962	scaffold916	NW_004516266.1	3962	GG	AA	AA	INTRON	101514670	sucrose transport protein SUC8-like
SNP_57955B_4026	scaffold916	NW_004516266.1	4026	CC	GG	GG	INTRON	101514670	sucrose transport protein SUC8-like
SNP_57956B_4188	scaffold916	NW_004516266.1	4188	CC	TT	TT	INTRON	101514670	sucrose transport protein SUC8-like
SNP_57957B_4225	scaffold916	NW_004516266.1	4225	GG	AA	AA	INTRON	101514670	sucrose transport protein SUC8-like
SNP_57958B_4266	scaffold916	NW_004516266.1	4266	AA	GG	GG	INTRON	101514670	sucrose transport protein SUC8-like
SNP_57960B_4440	scaffold916	NW_004516266.1	4440	GG	TT	TT	INTRON	101514670	sucrose transport protein SUC8-like
SNP_57961B_4503	scaffold916	NW_004516266.1	4503	TT	AA	AA	INTRON	101514670	sucrose transport protein SUC8-like
SNP_57962B_4582	scaffold916	NW_004516266.1	4582	TT	CC	CC	INTRON	101514670	sucrose transport protein SUC8-like
SNP_57963B_4671	scaffold916	NW_004516266.1	4671	CC	TT	TT	INTRON	101514670	sucrose transport protein SUC8-like
SNP_57964B_4710	scaffold916	NW_004516266.1	4710	TT	GG	GG	INTRON	101514670	sucrose transport protein SUC8-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57965B_4719	scaffold916	NW_004516266.1	4719	GG	AA	AA	INTRON	101514670	sucrose transport protein SUC8-like
SNP_57968B_4908	scaffold916	NW_004516266.1	4908	GG	AA	AA	INTRON	101514670	sucrose transport protein SUC8-like
SNP_57969B_4935	scaffold916	NW_004516266.1	4935	AA	GG	GG	INTRON	101514670	sucrose transport protein SUC8-like
SNP_57970B_5095	scaffold916	NW_004516266.1	5095	CC	TT	TT	INTRON	101514670	sucrose transport protein SUC8-like
SNP_57971B_5162	scaffold916	NW_004516266.1	5162	GG	CC	CC	INTRON	101514670	sucrose transport protein SUC8-like
SNP_57972B_5286	scaffold916	NW_004516266.1	5286	TT	GG	GG	INTRON	101514670	sucrose transport protein SUC8-like
SNP_57974B_5353	scaffold916	NW_004516266.1	5353	CC	TT	TT	INTRON	101514670	sucrose transport protein SUC8-like
SNP_57975B_5387	scaffold916	NW_004516266.1	5387	AA	GG	GG	INTRON	101514670	sucrose transport protein SUC8-like
SNP_57976B_7654	scaffold916	NW_004516266.1	7654	CC	AA	AA	INTRON	101514670	sucrose transport protein SUC8-like
SNP_57977B_7675	scaffold916	NW_004516266.1	7675	TT	CC	CC	INTRON	101514670	sucrose transport protein SUC8-like
SNP_57978B_7680	scaffold916	NW_004516266.1	7680	AA	TT	TT	INTRON	101514670	sucrose transport protein SUC8-like
SNP_57979B_7744	scaffold916	NW_004516266.1	7744	TT	AA	AA	INTRON	101514670	sucrose transport protein SUC8-like
SNP_57980B_7834	scaffold916	NW_004516266.1	7834	AA	GG	GG	INTRON	101514670	sucrose transport protein SUC8-like
SNP_57982B_7938	scaffold916	NW_004516266.1	7938	AA	GG	GG	INTRON	101514670	sucrose transport protein SUC8-like
SNP_57983B_8073	scaffold916	NW_004516266.1	8073	CC	AA	AA	INTRON	101514670	sucrose transport protein SUC8-like
SNP_57984B_8105	scaffold916	NW_004516266.1	8105	CC	TT	TT	INTRON	101514670	sucrose transport protein SUC8-like
SNP_57985B_8176	scaffold916	NW_004516266.1	8176	CC	TT	TT	INTRON	101514670	sucrose transport protein SUC8-like
SNP_57988B_8323	scaffold916	NW_004516266.1	8323	GG	AA	AA	INTRON	101514670	sucrose transport protein SUC8-like
SNP_57989B_8349	scaffold916	NW_004516266.1	8349	GG	AA	AA	INTRON	101514670	sucrose transport protein SUC8-like
SNP_57990B_8568	scaffold916	NW_004516266.1	8568	TT	CC	CC	INTRON	101514670	sucrose transport protein SUC8-like
SNP_57991B_8570	scaffold916	NW_004516266.1	8570	GG	AA	AA	INTRON	101514670	sucrose transport protein SUC8-like
SNP_57992B_8580	scaffold916	NW_004516266.1	8580	TT	AA	AA	INTRON	101514670	sucrose transport protein SUC8-like
SNP_57993B_8583	scaffold916	NW_004516266.1	8583	TT	CC	CC	INTRON	101514670	sucrose transport protein SUC8-like
SNP_57994B_8605	scaffold916	NW_004516266.1	8605	TT	AA	AA	INTRON	101514670	sucrose transport protein SUC8-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_57995B_8608	scaffold916	NW_004516266.1	8608	TT	AA	AA	INTRON	101514670	sucrose transport protein SUC8-like
SNP_57996B_8684	scaffold916	NW_004516266.1	8684	CC	TT	TT	INTRON	101514670	sucrose transport protein SUC8-like
SNP_57997B_8713	scaffold916	NW_004516266.1	8713	TT	CC	CC	INTRON	101514670	sucrose transport protein SUC8-like
SNP_57998B_8725	scaffold916	NW_004516266.1	8725	AA	TT	TT	INTRON	101514670	sucrose transport protein SUC8-like
SNP_57999B_8738	scaffold916	NW_004516266.1	8738	TT	AA	AA	INTRON	101514670	sucrose transport protein SUC8-like
SNP_58000B_8745	scaffold916	NW_004516266.1	8745	TT	CC	CC	INTRON	101514670	sucrose transport protein SUC8-like
SNP_58001B_8746	scaffold916	NW_004516266.1	8746	TT	AA	AA	INTRON	101514670	sucrose transport protein SUC8-like
SNP_58002B_8747	scaffold916	NW_004516266.1	8747	AA	TT	TT	INTRON	101514670	sucrose transport protein SUC8-like
SNP_58003B_8752	scaffold916	NW_004516266.1	8752	TT	AA	AA	INTRON	101514670	sucrose transport protein SUC8-like
SNP_58004B_8753	scaffold916	NW_004516266.1	8753	TT	AA	AA	INTRON	101514670	sucrose transport protein SUC8-like
SNP_58005B_8800	scaffold916	NW_004516266.1	8800	CC	AA	AA	INTRON	101514670	sucrose transport protein SUC8-like
SNP_58006B_8802	scaffold916	NW_004516266.1	8802	CC	TT	TT	INTRON	101514670	sucrose transport protein SUC8-like
SNP_58007B_8806	scaffold916	NW_004516266.1	8806	GG	AA	AA	INTRON	101514670	sucrose transport protein SUC8-like
SNP_58008B_8819	scaffold916	NW_004516266.1	8819	CC	GG	GG	INTRON	101514670	sucrose transport protein SUC8-like
SNP_58009B_8820	scaffold916	NW_004516266.1	8820	AA	GG	GG	INTRON	101514670	sucrose transport protein SUC8-like
SNP_58010B_8827	scaffold916	NW_004516266.1	8827	GG	AA	AA	INTRON	101514670	sucrose transport protein SUC8-like
SNP_58011B_8833	scaffold916	NW_004516266.1	8833	GG	TT	TT	INTRON	101514670	sucrose transport protein SUC8-like
SNP_58012B_8919	scaffold916	NW_004516266.1	8919	CC	TT	TT	INTRON	101514670	sucrose transport protein SUC8-like
SNP_58013B_8977	scaffold916	NW_004516266.1	8977	CC	AA	AA	INTRON	101514670	sucrose transport protein SUC8-like
SNP_58014B_8979	scaffold916	NW_004516266.1	8979	AA	CC	CC	INTRON	101514670	sucrose transport protein SUC8-like
SNP_58015B_8982	scaffold916	NW_004516266.1	8982	AA	TT	TT	INTRON	101514670	sucrose transport protein SUC8-like
SNP_58016B_9100	scaffold916	NW_004516266.1	9100	GG	CC	CC	INTRON	101514670	sucrose transport protein SUC8-like
SNP_58018B_9298	scaffold916	NW_004516266.1	9298	CC	AA	AA	INTRON	101514670	sucrose transport protein SUC8-like
SNP_58019B_9433	scaffold916	NW_004516266.1	9433	CC	TT	TT	INTRON	101514670	sucrose transport protein SUC8-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_58020B_9470	scaffold916	NW_004516266.1	9470	TT	CC	CC	INTRON	101514670	sucrose transport protein SUC8-like
SNP_58021B_9538	scaffold916	NW_004516266.1	9538	AA	CC	CC	INTRON	101514670	sucrose transport protein SUC8-like
SNP_58022B_9554	scaffold916	NW_004516266.1	9554	TT	CC	CC	INTRON	101514670	sucrose transport protein SUC8-like
SNP_58023B_9593	scaffold916	NW_004516266.1	9593	AA	GG	GG	INTRON	101514670	sucrose transport protein SUC8-like
SNP_58024B_9621	scaffold916	NW_004516266.1	9621	AA	GG	GG	INTRON	101514670	sucrose transport protein SUC8-like
SNP_58025B_9638	scaffold916	NW_004516266.1	9638	TT	CC	CC	INTRON	101514670	sucrose transport protein SUC8-like
SNP_58026B_9700	scaffold916	NW_004516266.1	9700	CC	TT	TT	INTRON	101514670	sucrose transport protein SUC8-like
SNP_58027B_9708	scaffold916	NW_004516266.1	9708	AA	GG	GG	INTRON	101514670	sucrose transport protein SUC8-like
SNP_58028B_9760	scaffold916	NW_004516266.1	9760	GG	AA	AA	INTRON	101514670	sucrose transport protein SUC8-like
SNP_58029B_9806	scaffold916	NW_004516266.1	9806	AA	GG	GG	INTRON	101514670	sucrose transport protein SUC8-like
SNP_58030B_9862	scaffold916	NW_004516266.1	9862	TT	CC	CC	INTRON	101514670	sucrose transport protein SUC8-like
SNP_58031B_9881	scaffold916	NW_004516266.1	9881	TT	CC	CC	INTRON	101514670	sucrose transport protein SUC8-like
SNP_58032B_9882	scaffold916	NW_004516266.1	9882	TT	CC	CC	INTRON	101514670	sucrose transport protein SUC8-like
SNP_58034B_18593	scaffold916	NW_004516266.1	18593	TT	CC	CC	INTRON	101514670	sucrose transport protein SUC8-like
SNP_58035B_18676	scaffold916	NW_004516266.1	18676	AA	CC	CC	INTRON	101514670	sucrose transport protein SUC8-like
SNP_58036B_90797	scaffold916	NW_004516266.1	90797	AA	GG	GG	INTERGENIC		
SNP_58037B_101412	scaffold916	NW_004516266.1	101412	TT	AA	AA	INTERGENIC		
SNP_58038B_101419	scaffold916	NW_004516266.1	101419	TT	CC	CC	INTERGENIC		
SNP_58039B_101459	scaffold916	NW_004516266.1	101459	TT	AA	AA	INTERGENIC		
SNP_58040B_105293	scaffold916	NW_004516266.1	105293	TT	CC	CC	INTERGENIC		
SNP_58041B_108155	scaffold916	NW_004516266.1	108155	GG	AA	AA	INTERGENIC		
SNP_58042B_108169	scaffold916	NW_004516266.1	108169	CC	AA	AA	INTERGENIC		
SNP_58043B_115128	scaffold916	NW_004516266.1	115128	GG	CC	CC	INTERGENIC		
SNP_58044B_117863	scaffold916	NW_004516266.1	117863	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_58045B_117954	scaffold916	NW_004516266.1	117954	TT	AA	AA	INTERGENIC		
SNP_58046B_118326	scaffold916	NW_004516266.1	118326	CC	TT	TT	INTERGENIC		
SNP_58047B_118342	scaffold916	NW_004516266.1	118342	TT	GG	GG	INTERGENIC		
SNP_58048B_134584	scaffold916	NW_004516266.1	134584	CC	AA	AA	INTERGENIC		
SNP_58050B_134956	scaffold916	NW_004516266.1	134956	TT	CC	CC	INTERGENIC		
SNP_58051B_166341	scaffold916	NW_004516266.1	166341	CC	TT	TT	INTERGENIC		
SNP_58052B_166399	scaffold916	NW_004516266.1	166399	TT	GG	GG	INTERGENIC		
SNP_58053B_177485	scaffold916	NW_004516266.1	177485	AA	GG	GG	INTERGENIC		
SNP_58054B_324224	scaffold916	NW_004516266.1	324224	CC	AA	AA	DRR	101489722	Unknown function
SNP_58058B_499514	scaffold916	NW_004516266.1	499514	GG	CC	CC	INTERGENIC		
SNP_58059B_5240	scaffold918	NW_004516268.1	5240	TT	AA	AA	INTERGENIC		
SNP_58061B_49319	scaffold918	NW_004516268.1	49319	AA	CC	CC	INTERGENIC		
SNP_58062B_12935	scaffold919	NW_004516269.1	12935	TT	CC	CC	INTERGENIC		
SNP_58063B_13003	scaffold919	NW_004516269.1	13003	AA	GG	GG	INTERGENIC		
SNP_58064B_13008	scaffold919	NW_004516269.1	13008	AA	GG	GG	INTERGENIC		
SNP_58065B_13220	scaffold919	NW_004516269.1	13220	GG	TT	TT	INTERGENIC		
SNP_58066B_13254	scaffold919	NW_004516269.1	13254	AA	GG	GG	INTERGENIC		
SNP_58067B_13272	scaffold919	NW_004516269.1	13272	GG	AA	AA	INTERGENIC		
SNP_58068B_13365	scaffold919	NW_004516269.1	13365	GG	AA	AA	INTERGENIC		
SNP_58069B_13410	scaffold919	NW_004516269.1	13410	TT	CC	CC	INTERGENIC		
SNP_58070B_13416	scaffold919	NW_004516269.1	13416	AA	TT	TT	INTERGENIC		
SNP_58071B_13437	scaffold919	NW_004516269.1	13437	GG	AA	AA	INTERGENIC		
SNP_58072B_13441	scaffold919	NW_004516269.1	13441	AA	GG	GG	INTERGENIC		
SNP_58073B_13496	scaffold919	NW_004516269.1	13496	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_58074B_24151	scaffold919	NW_004516269.1	24151	GG	TT	TT	INTERGENIC		
SNP_58075B_24194	scaffold919	NW_004516269.1	24194	GG	AA	AA	INTERGENIC		
SNP_58076B_73713	scaffold919	NW_004516269.1	73713	CC	AA	AA	INTRON	101494360	uncharacterized LOC101494360
SNP_58078B_73753	scaffold919	NW_004516269.1	73753	CC	TT	TT	INTRON	101494360	uncharacterized LOC101494360
SNP_58080B_85150	scaffold919	NW_004516269.1	85150	GG	AA	AA	INTERGENIC		
SNP_58081B_94141	scaffold919	NW_004516269.1	94141	AA	TT	TT	INTERGENIC		
SNP_58082B_94425	scaffold919	NW_004516269.1	94425	AA	GG	GG	INTERGENIC		
SNP_58083B_97994	scaffold919	NW_004516269.1	97994	GG	TT	TT	INTERGENIC		
SNP_58084B_98001	scaffold919	NW_004516269.1	98001	TT	AA	AA	INTERGENIC		
SNP_58085B_113731	scaffold919	NW_004516269.1	113731	GG	AA	AA	INTERGENIC		
SNP_58086B_114684	scaffold919	NW_004516269.1	114684	GG	AA	AA	INTERGENIC		
SNP_58087B_115023	scaffold919	NW_004516269.1	115023	GG	AA	AA	INTERGENIC		
SNP_58088B_115057	scaffold919	NW_004516269.1	115057	CC	TT	TT	INTERGENIC		
SNP_58089B_115127	scaffold919	NW_004516269.1	115127	TT	CC	CC	INTERGENIC		
SNP_58090B_115139	scaffold919	NW_004516269.1	115139	TT	GG	GG	INTERGENIC		
SNP_58091B_115152	scaffold919	NW_004516269.1	115152	AA	GG	GG	INTERGENIC		
SNP_58092B_115180	scaffold919	NW_004516269.1	115180	GG	TT	TT	INTERGENIC		
SNP_58093B_115343	scaffold919	NW_004516269.1	115343	AA	GG	GG	INTERGENIC		
SNP_58094B_116221	scaffold919	NW_004516269.1	116221	TT	CC	CC	INTERGENIC		
SNP_58095B_116261	scaffold919	NW_004516269.1	116261	TT	CC	CC	INTERGENIC		
SNP_58096B_137960	scaffold919	NW_004516269.1	137960	CC	AA	AA	INTERGENIC		
SNP_58097B_180822	scaffold919	NW_004516269.1	180822	AA	GG	GG	INTERGENIC		
SNP_58098B_180834	scaffold919	NW_004516269.1	180834	TT	CC	CC	INTERGENIC		
SNP_58099B_183363	scaffold919	NW_004516269.1	183363	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_58100B_183421	scaffold919	NW_004516269.1	183421	TT	CC	CC	INTERGENIC		
SNP_58102B_183458	scaffold919	NW_004516269.1	183458	AA	CC	CC	INTERGENIC		
SNP_58103B_183495	scaffold919	NW_004516269.1	183495	CC	TT	TT	INTERGENIC		
SNP_58104B_183509	scaffold919	NW_004516269.1	183509	TT	CC	CC	INTERGENIC		
SNP_58105B_183514	scaffold919	NW_004516269.1	183514	AA	GG	GG	INTERGENIC		
SNP_58106B_183543	scaffold919	NW_004516269.1	183543	GG	AA	AA	INTERGENIC		
SNP_58107B_183549	scaffold919	NW_004516269.1	183549	CC	TT	TT	INTERGENIC		
SNP_58108B_183566	scaffold919	NW_004516269.1	183566	TT	AA	AA	INTERGENIC		
SNP_58109B_183606	scaffold919	NW_004516269.1	183606	AA	GG	GG	INTERGENIC		
SNP_58110B_183750	scaffold919	NW_004516269.1	183750	AA	CC	CC	INTERGENIC		
SNP_58111B_183814	scaffold919	NW_004516269.1	183814	CC	TT	TT	INTERGENIC		
SNP_58112B_186123	scaffold919	NW_004516269.1	186123	GG	AA	AA	INTERGENIC		
SNP_58113B_186195	scaffold919	NW_004516269.1	186195	TT	CC	CC	INTERGENIC		
SNP_58114B_186231	scaffold919	NW_004516269.1	186231	GG	AA	AA	INTERGENIC		
SNP_58115B_186250	scaffold919	NW_004516269.1	186250	CC	TT	TT	INTERGENIC		
SNP_58116B_186288	scaffold919	NW_004516269.1	186288	TT	AA	AA	INTERGENIC		
SNP_58117B_186321	scaffold919	NW_004516269.1	186321	TT	AA	AA	INTERGENIC		
SNP_58118B_186532	scaffold919	NW_004516269.1	186532	TT	CC	CC	INTERGENIC		
SNP_58119B_186535	scaffold919	NW_004516269.1	186535	GG	AA	AA	INTERGENIC		
SNP_58120B_186547	scaffold919	NW_004516269.1	186547	TT	GG	GG	INTERGENIC		
SNP_58121B_186554	scaffold919	NW_004516269.1	186554	GG	AA	AA	INTERGENIC		
SNP_58122B_186571	scaffold919	NW_004516269.1	186571	CC	TT	TT	INTERGENIC		
SNP_58123B_186586	scaffold919	NW_004516269.1	186586	TT	AA	AA	INTERGENIC		
SNP_58124B_186594	scaffold919	NW_004516269.1	186594	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_58125B_186608	scaffold919	NW_004516269.1	186608	CC	AA	AA	INTERGENIC		
SNP_58126B_186610	scaffold919	NW_004516269.1	186610	TT	CC	CC	INTERGENIC		
SNP_58127B_186668	scaffold919	NW_004516269.1	186668	AA	GG	GG	INTERGENIC		
SNP_58128B_187170	scaffold919	NW_004516269.1	187170	CC	TT	TT	INTERGENIC		
SNP_58129B_187203	scaffold919	NW_004516269.1	187203	TT	CC	CC	INTERGENIC		
SNP_58130B_188597	scaffold919	NW_004516269.1	188597	GG	AA	AA	INTERGENIC		
SNP_58131B_188999	scaffold919	NW_004516269.1	188999	CC	GG	GG	INTERGENIC		
SNP_58132B_189097	scaffold919	NW_004516269.1	189097	AA	TT	TT	INTERGENIC		
SNP_58133B_189573	scaffold919	NW_004516269.1	189573	CC	TT	TT	INTERGENIC		
SNP_58134B_190123	scaffold919	NW_004516269.1	190123	CC	GG	GG	INTERGENIC		
SNP_58135B_190192	scaffold919	NW_004516269.1	190192	TT	CC	CC	INTERGENIC		
SNP_58136B_190204	scaffold919	NW_004516269.1	190204	AA	GG	GG	INTERGENIC		
SNP_58137B_190259	scaffold919	NW_004516269.1	190259	AA	GG	GG	INTERGENIC		
SNP_58138B_190429	scaffold919	NW_004516269.1	190429	AA	CC	CC	INTERGENIC		
SNP_58139B_194034	scaffold919	NW_004516269.1	194034	CC	TT	TT	INTERGENIC		
SNP_58140B_194706	scaffold919	NW_004516269.1	194706	CC	TT	TT	INTERGENIC		
SNP_58141B_194808	scaffold919	NW_004516269.1	194808	AA	TT	TT	INTERGENIC		
SNP_58142B_240131	scaffold919	NW_004516269.1	240131	AA	GG	GG	INTERGENIC		
SNP_58143B_301768	scaffold919	NW_004516269.1	301768	AA	TT	TT	INTERGENIC		
SNP_58144B_301804	scaffold919	NW_004516269.1	301804	CC	AA	AA	INTERGENIC		
SNP_58145B_301855	scaffold919	NW_004516269.1	301855	TT	CC	CC	INTERGENIC		
SNP_58146B_301865	scaffold919	NW_004516269.1	301865	GG	TT	TT	INTERGENIC		
SNP_58147B_303591	scaffold919	NW_004516269.1	303591	TT	CC	CC	INTERGENIC		
SNP_58148B_303677	scaffold919	NW_004516269.1	303677	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_58149B_303844	scaffold919	NW_004516269.1	303844	TT	CC	CC	INTERGENIC		
SNP_58150B_444498	scaffold919	NW_004516269.1	444498	GG	AA	AA	URR	101491652	uncharacterized LOC101491652
SNP_58151B_504440	scaffold919	NW_004516269.1	504440	TT	CC	CC	INTRON	101496632	Unknown function
SNP_58152B_573071	scaffold919	NW_004516269.1	573071	GG	AA	AA	INTERGENIC		
SNP_58153B_573108	scaffold919	NW_004516269.1	573108	AA	TT	TT	INTERGENIC		
SNP_58154B_573118	scaffold919	NW_004516269.1	573118	TT	CC	CC	INTERGENIC		
SNP_58155B_573122	scaffold919	NW_004516269.1	573122	GG	TT	TT	INTERGENIC		
SNP_58156B_573127	scaffold919	NW_004516269.1	573127	AA	TT	TT	INTERGENIC		
SNP_58157B_573160	scaffold919	NW_004516269.1	573160	AA	TT	TT	INTERGENIC		
SNP_58158B_573177	scaffold919	NW_004516269.1	573177	TT	CC	CC	INTERGENIC		
SNP_58159B_603330	scaffold919	NW_004516269.1	603330	TT	CC	CC	INTERGENIC		
SNP_58160B_615578	scaffold919	NW_004516269.1	615578	GG	AA	AA	INTERGENIC		
SNP_58161B_627181	scaffold919	NW_004516269.1	627181	AA	GG	GG	INTERGENIC		
SNP_58162B_628123	scaffold919	NW_004516269.1	628123	TT	CC	CC	INTERGENIC		
SNP_58163B_673182	scaffold919	NW_004516269.1	673182	AA	GG	GG	INTERGENIC		
SNP_58164B_673244	scaffold919	NW_004516269.1	673244	TT	CC	CC	INTERGENIC		
SNP_58165B_673308	scaffold919	NW_004516269.1	673308	AA	GG	GG	INTERGENIC		
SNP_58166B_686110	scaffold919	NW_004516269.1	686110	CC	AA	AA	INTERGENIC		
SNP_58168B_724326	scaffold919	NW_004516269.1	724326	AA	GG	GG	INTERGENIC		
SNP_58169B_724477	scaffold919	NW_004516269.1	724477	CC	TT	TT	INTERGENIC		
SNP_58170B_724501	scaffold919	NW_004516269.1	724501	CC	TT	TT	INTERGENIC		
SNP_58171B_2943	scaffold922	NW_004516271.1	2943	AA	GG	GG	INTERGENIC		
SNP_58172B_13475	scaffold922	NW_004516271.1	13475	AA	TT	TT	INTERGENIC		
SNP_58173B_13477	scaffold922	NW_004516271.1	13477	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_58174B_13523	scaffold922	NW_004516271.1	13523	AA	GG	GG	INTERGENIC		
SNP_58175B_13535	scaffold922	NW_004516271.1	13535	TT	GG	GG	INTERGENIC		
SNP_58176B_21483	scaffold922	NW_004516271.1	21483	AA	GG	GG	INTERGENIC		
SNP_58178B_21765	scaffold922	NW_004516271.1	21765	TT	CC	CC	INTERGENIC		
SNP_58179B_21771	scaffold922	NW_004516271.1	21771	TT	CC	CC	INTERGENIC		
SNP_58180B_40629	scaffold922	NW_004516271.1	40629	AA	CC	CC	INTERGENIC		
SNP_58181B_40920	scaffold922	NW_004516271.1	40920	AA	GG	GG	INTERGENIC		
SNP_58182B_40932	scaffold922	NW_004516271.1	40932	TT	CC	CC	INTERGENIC		
SNP_58183B_40991	scaffold922	NW_004516271.1	40991	GG	AA	AA	INTERGENIC		
SNP_58184B_41033	scaffold922	NW_004516271.1	41033	AA	GG	GG	INTERGENIC		
SNP_58185B_41035	scaffold922	NW_004516271.1	41035	TT	CC	CC	INTERGENIC		
SNP_58186B_41060	scaffold922	NW_004516271.1	41060	GG	AA	AA	INTERGENIC		
SNP_58187B_78352	scaffold922	NW_004516271.1	78352	TT	CC	CC	INTERGENIC		
SNP_58188B_135958	scaffold922	NW_004516271.1	135958	CC	TT	TT	INTERGENIC		
SNP_58190B_56773	scaffold924	NW_004516272.1	56773	AA	GG	GG	INTERGENIC		
SNP_58191B_56780	scaffold924	NW_004516272.1	56780	CC	AA	AA	INTERGENIC		
SNP_58192B_56803	scaffold924	NW_004516272.1	56803	AA	CC	CC	INTERGENIC		
SNP_58193B_59788	scaffold924	NW_004516272.1	59788	CC	TT	TT	INTERGENIC		
SNP_58194B_80496	scaffold924	NW_004516272.1	80496	GG	AA	AA	INTERGENIC		
SNP_58195B_80505	scaffold924	NW_004516272.1	80505	TT	GG	GG	INTERGENIC		
SNP_58196B_96693	scaffold924	NW_004516272.1	96693	AA	GG	GG	INTERGENIC		
SNP_58197B_97009	scaffold924	NW_004516272.1	97009	AA	TT	TT	INTERGENIC		
SNP_58198B_97051	scaffold924	NW_004516272.1	97051	AA	GG	GG	INTERGENIC		
SNP_58199B_115128	scaffold924	NW_004516272.1	115128	GG	TT	TT	URR	101499045	uncharacterized LOC101499045

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_58200B_120563	scaffold924	NW_004516272.1	120563	GG	CC	CC	INTERGENIC		
SNP_58201B_120596	scaffold924	NW_004516272.1	120596	AA	GG	GG	INTERGENIC		
SNP_58202B_122063	scaffold924	NW_004516272.1	122063	CC	TT	TT	INTERGENIC		
SNP_58203B_122104	scaffold924	NW_004516272.1	122104	CC	AA	AA	INTERGENIC		
SNP_58204B_122477	scaffold924	NW_004516272.1	122477	AA	GG	GG	INTERGENIC		
SNP_58205B_122674	scaffold924	NW_004516272.1	122674	GG	AA	AA	INTERGENIC		
SNP_58206B_173220	scaffold924	NW_004516272.1	173220	AA	GG	GG	INTERGENIC		
SNP_58208B_219045	scaffold924	NW_004516272.1	219045	AA	CC	CC	INTERGENIC		
SNP_58209B_219621	scaffold924	NW_004516272.1	219621	AA	CC	CC	NON_SYNONYMOUS_CODING	101499668	isoflavone 7-O-glucosyltransferase 1-like
SNP_58210B_219624	scaffold924	NW_004516272.1	219624	TT	AA	AA	NON_SYNONYMOUS_CODING	101499668	isoflavone 7-O-glucosyltransferase 1-like
SNP_58211B_219874	scaffold924	NW_004516272.1	219874	CC	TT	TT	SYNONYMOUS_CODING	101499668	isoflavone 7-O-glucosyltransferase 1-like
SNP_58212B_224913	scaffold924	NW_004516272.1	224913	AA	CC	CC	INTERGENIC		
SNP_58213B_265605	scaffold924	NW_004516272.1	265605	AA	GG	GG	INTERGENIC		
SNP_58214B_265931	scaffold924	NW_004516272.1	265931	AA	GG	GG	INTERGENIC		
SNP_58215B_265985	scaffold924	NW_004516272.1	265985	TT	CC	CC	INTERGENIC		
SNP_58216B_266047	scaffold924	NW_004516272.1	266047	CC	TT	TT	INTERGENIC		
SNP_58217B_266075	scaffold924	NW_004516272.1	266075	TT	CC	CC	INTERGENIC		
SNP_58218B_266089	scaffold924	NW_004516272.1	266089	GG	TT	TT	INTERGENIC		
SNP_58219B_266104	scaffold924	NW_004516272.1	266104	TT	CC	CC	INTERGENIC		
SNP_58220B_266122	scaffold924	NW_004516272.1	266122	CC	TT	TT	INTERGENIC		
SNP_58221B_266210	scaffold924	NW_004516272.1	266210	CC	TT	TT	INTERGENIC		
SNP_58222B_266	scaffold929	NW_004516274.1	266	GG	TT	TT	INTERGENIC		
SNP_58223B_389	scaffold929	NW_004516274.1	389	AA	GG	GG	INTERGENIC		
SNP_58224B_683	scaffold929	NW_004516274.1	683	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_58225B_787	scaffold929	NW_004516274.1	787	AA	GG	GG	INTERGENIC		
SNP_58226B_833	scaffold929	NW_004516274.1	833	CC	TT	TT	INTERGENIC		
SNP_58227B_8284	scaffold929	NW_004516274.1	8284	TT	CC	CC	INTERGENIC		
SNP_58228B_9776	scaffold929	NW_004516274.1	9776	CC	TT	TT	INTERGENIC		
SNP_58229B_9976	scaffold929	NW_004516274.1	9976	CC	AA	AA	INTERGENIC		
SNP_58230B_10050	scaffold929	NW_004516274.1	10050	TT	CC	CC	INTERGENIC		
SNP_58231B_10220	scaffold929	NW_004516274.1	10220	CC	TT	TT	INTERGENIC		
SNP_58232B_10228	scaffold929	NW_004516274.1	10228	AA	GG	GG	INTERGENIC		
SNP_58233B_10260	scaffold929	NW_004516274.1	10260	TT	AA	AA	INTERGENIC		
SNP_58234B_10868	scaffold929	NW_004516274.1	10868	TT	CC	CC	INTERGENIC		
SNP_58235B_11205	scaffold929	NW_004516274.1	11205	AA	GG	GG	INTERGENIC		
SNP_58236B_11235	scaffold929	NW_004516274.1	11235	AA	GG	GG	INTERGENIC		
SNP_58237B_11243	scaffold929	NW_004516274.1	11243	AA	GG	GG	INTERGENIC		
SNP_58238B_11244	scaffold929	NW_004516274.1	11244	CC	AA	AA	INTERGENIC		
SNP_58239B_11276	scaffold929	NW_004516274.1	11276	AA	GG	GG	INTERGENIC		
SNP_58240B_11304	scaffold929	NW_004516274.1	11304	TT	CC	CC	INTERGENIC		
SNP_58241B_15225	scaffold929	NW_004516274.1	15225	AA	GG	GG	INTERGENIC		
SNP_58242B_15676	scaffold929	NW_004516274.1	15676	TT	CC	CC	INTERGENIC		
SNP_58243B_15688	scaffold929	NW_004516274.1	15688	AA	CC	CC	INTERGENIC		
SNP_58244B_15921	scaffold929	NW_004516274.1	15921	GG	CC	CC	INTERGENIC		
SNP_58245B_16263	scaffold929	NW_004516274.1	16263	AA	TT	TT	INTERGENIC		
SNP_58247B_16283	scaffold929	NW_004516274.1	16283	CC	TT	TT	INTERGENIC		
SNP_58248B_16593	scaffold929	NW_004516274.1	16593	CC	TT	TT	INTERGENIC		
SNP_58249B_16869	scaffold929	NW_004516274.1	16869	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_58250B_17429	scaffold929	NW_004516274.1	17429	CC	TT	TT	INTERGENIC		
SNP_58251B_65176	scaffold931	NW_004516276.1	65176	AA	TT	TT	INTERGENIC		
SNP_58253B_102792	scaffold931	NW_004516276.1	102792	AA	GG	GG	INTERGENIC		
SNP_58254B_102796	scaffold931	NW_004516276.1	102796	CC	TT	TT	INTERGENIC		
SNP_58255B_102838	scaffold931	NW_004516276.1	102838	TT	AA	AA	INTERGENIC		
SNP_58256B_103058	scaffold931	NW_004516276.1	103058	TT	GG	GG	INTERGENIC		
SNP_58257B_103064	scaffold931	NW_004516276.1	103064	AA	GG	GG	INTERGENIC		
SNP_58258B_103103	scaffold931	NW_004516276.1	103103	TT	GG	GG	INTERGENIC		
SNP_58259B_112226	scaffold931	NW_004516276.1	112226	AA	CC	CC	INTERGENIC		
SNP_58260B_112291	scaffold931	NW_004516276.1	112291	TT	AA	AA	INTERGENIC		
SNP_58261B_112293	scaffold931	NW_004516276.1	112293	GG	AA	AA	INTERGENIC		
SNP_58262B_112322	scaffold931	NW_004516276.1	112322	TT	CC	CC	INTERGENIC		
SNP_58263B_112328	scaffold931	NW_004516276.1	112328	TT	CC	CC	INTERGENIC		
SNP_58264B_112368	scaffold931	NW_004516276.1	112368	CC	TT	TT	INTERGENIC		
SNP_58265B_112372	scaffold931	NW_004516276.1	112372	AA	CC	CC	INTERGENIC		
SNP_58266B_112419	scaffold931	NW_004516276.1	112419	GG	AA	AA	INTERGENIC		
SNP_58267B_112535	scaffold931	NW_004516276.1	112535	CC	AA	AA	INTERGENIC		
SNP_58268B_112548	scaffold931	NW_004516276.1	112548	GG	TT	TT	INTERGENIC		
SNP_58269B_112569	scaffold931	NW_004516276.1	112569	AA	CC	CC	INTERGENIC		
SNP_58270B_112603	scaffold931	NW_004516276.1	112603	AA	TT	TT	INTERGENIC		
SNP_58271B_112805	scaffold931	NW_004516276.1	112805	CC	TT	TT	INTERGENIC		
SNP_58272B_112899	scaffold931	NW_004516276.1	112899	GG	AA	AA	INTERGENIC		
SNP_58273B_113968	scaffold931	NW_004516276.1	113968	GG	CC	CC	INTERGENIC		
SNP_58274B_114126	scaffold931	NW_004516276.1	114126	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_58275B_114139	scaffold931	NW_004516276.1	114139	TT	CC	CC	INTERGENIC		
SNP_58276B_114143	scaffold931	NW_004516276.1	114143	TT	GG	GG	INTERGENIC		
SNP_58277B_114146	scaffold931	NW_004516276.1	114146	TT	CC	CC	INTERGENIC		
SNP_58278B_114199	scaffold931	NW_004516276.1	114199	TT	GG	GG	INTERGENIC		
SNP_58279B_114448	scaffold931	NW_004516276.1	114448	TT	CC	CC	INTERGENIC		
SNP_58280B_115528	scaffold931	NW_004516276.1	115528	TT	GG	GG	INTERGENIC		
SNP_58281B_115621	scaffold931	NW_004516276.1	115621	GG	TT	TT	INTERGENIC		
SNP_58282B_115848	scaffold931	NW_004516276.1	115848	GG	TT	TT	INTERGENIC		
SNP_58283B_115866	scaffold931	NW_004516276.1	115866	AA	GG	GG	INTERGENIC		
SNP_58284B_115872	scaffold931	NW_004516276.1	115872	GG	AA	AA	INTERGENIC		
SNP_58285B_115983	scaffold931	NW_004516276.1	115983	TT	CC	CC	INTERGENIC		
SNP_58286B_116063	scaffold931	NW_004516276.1	116063	AA	GG	GG	INTERGENIC		
SNP_58287B_116107	scaffold931	NW_004516276.1	116107	GG	AA	AA	INTERGENIC		
SNP_58288B_116160	scaffold931	NW_004516276.1	116160	TT	GG	GG	INTERGENIC		
SNP_58289B_116277	scaffold931	NW_004516276.1	116277	GG	AA	AA	INTERGENIC		
SNP_58291B_116394	scaffold931	NW_004516276.1	116394	CC	TT	TT	INTERGENIC		
SNP_58293B_116449	scaffold931	NW_004516276.1	116449	CC	GG	GG	INTERGENIC		
SNP_58296B_117138	scaffold931	NW_004516276.1	117138	CC	GG	GG	INTERGENIC		
SNP_58297B_117293	scaffold931	NW_004516276.1	117293	AA	GG	GG	INTERGENIC		
SNP_58298B_117304	scaffold931	NW_004516276.1	117304	TT	GG	GG	INTERGENIC		
SNP_58299B_117429	scaffold931	NW_004516276.1	117429	CC	GG	GG	INTERGENIC		
SNP_58300B_117441	scaffold931	NW_004516276.1	117441	GG	AA	AA	INTERGENIC		
SNP_58301B_117442	scaffold931	NW_004516276.1	117442	TT	CC	CC	INTERGENIC		
SNP_58302B_117450	scaffold931	NW_004516276.1	117450	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_58303B_117484	scaffold931	NW_004516276.1	117484	GG	AA	AA	INTERGENIC		
SNP_58304B_117502	scaffold931	NW_004516276.1	117502	CC	TT	TT	INTERGENIC		
SNP_58305B_117510	scaffold931	NW_004516276.1	117510	TT	AA	AA	INTERGENIC		
SNP_58306B_117547	scaffold931	NW_004516276.1	117547	CC	AA	AA	INTERGENIC		
SNP_58307B_117553	scaffold931	NW_004516276.1	117553	GG	TT	TT	INTERGENIC		
SNP_58308B_117712	scaffold931	NW_004516276.1	117712	GG	AA	AA	INTERGENIC		
SNP_58309B_117726	scaffold931	NW_004516276.1	117726	GG	CC	CC	INTERGENIC		
SNP_58310B_117730	scaffold931	NW_004516276.1	117730	GG	CC	CC	INTERGENIC		
SNP_58311B_117736	scaffold931	NW_004516276.1	117736	AA	CC	CC	INTERGENIC		
SNP_58312B_117771	scaffold931	NW_004516276.1	117771	GG	AA	AA	INTERGENIC		
SNP_58313B_117776	scaffold931	NW_004516276.1	117776	AA	GG	GG	INTERGENIC		
SNP_58314B_117841	scaffold931	NW_004516276.1	117841	AA	GG	GG	INTERGENIC		
SNP_58316B_118368	scaffold931	NW_004516276.1	118368	CC	AA	AA	INTERGENIC		
SNP_58317B_118459	scaffold931	NW_004516276.1	118459	CC	TT	TT	INTERGENIC		
SNP_58318B_118600	scaffold931	NW_004516276.1	118600	GG	AA	AA	INTERGENIC		
SNP_58319B_118641	scaffold931	NW_004516276.1	118641	GG	TT	TT	INTERGENIC		
SNP_58320B_118952	scaffold931	NW_004516276.1	118952	CC	GG	GG	INTERGENIC		
SNP_58321B_118978	scaffold931	NW_004516276.1	118978	AA	GG	GG	INTERGENIC		
SNP_58322B_118997	scaffold931	NW_004516276.1	118997	CC	TT	TT	INTERGENIC		
SNP_58323B_125352	scaffold931	NW_004516276.1	125352	AA	GG	GG	INTERGENIC		
SNP_58324B_125391	scaffold931	NW_004516276.1	125391	TT	AA	AA	INTERGENIC		
SNP_58325B_125415	scaffold931	NW_004516276.1	125415	GG	AA	AA	INTERGENIC		
SNP_58326B_125416	scaffold931	NW_004516276.1	125416	TT	CC	CC	INTERGENIC		
SNP_58327B_125660	scaffold931	NW_004516276.1	125660	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_58328B_125665	scaffold931	NW_004516276.1	125665	GG	AA	AA	INTERGENIC		
SNP_58329B_125877	scaffold931	NW_004516276.1	125877	AA	GG	GG	INTERGENIC		
SNP_58330B_144819	scaffold931	NW_004516276.1	144819	AA	GG	GG	INTERGENIC		
SNP_58331B_144835	scaffold931	NW_004516276.1	144835	GG	AA	AA	INTERGENIC		
SNP_58332B_151972	scaffold931	NW_004516276.1	151972	AA	TT	TT	INTERGENIC		
SNP_58333B_152307	scaffold931	NW_004516276.1	152307	AA	GG	GG	INTERGENIC		
SNP_58334B_152664	scaffold931	NW_004516276.1	152664	GG	AA	AA	INTERGENIC		
SNP_58335B_152694	scaffold931	NW_004516276.1	152694	CC	TT	TT	INTERGENIC		
SNP_58336B_152845	scaffold931	NW_004516276.1	152845	TT	CC	CC	INTERGENIC		
SNP_58337B_152864	scaffold931	NW_004516276.1	152864	AA	TT	TT	INTERGENIC		
SNP_58338B_152871	scaffold931	NW_004516276.1	152871	CC	TT	TT	INTERGENIC		
SNP_58339B_152991	scaffold931	NW_004516276.1	152991	AA	GG	GG	INTERGENIC		
SNP_58340B_152998	scaffold931	NW_004516276.1	152998	AA	GG	GG	INTERGENIC		
SNP_58341B_153003	scaffold931	NW_004516276.1	153003	GG	TT	TT	INTERGENIC		
SNP_58342B_156152	scaffold931	NW_004516276.1	156152	GG	TT	TT	INTERGENIC		
SNP_58343B_156171	scaffold931	NW_004516276.1	156171	AA	CC	CC	INTERGENIC		
SNP_58344B_156201	scaffold931	NW_004516276.1	156201	GG	TT	TT	INTERGENIC		
SNP_58345B_156227	scaffold931	NW_004516276.1	156227	TT	AA	AA	INTERGENIC		
SNP_58346B_156255	scaffold931	NW_004516276.1	156255	TT	AA	AA	INTERGENIC		
SNP_58347B_156486	scaffold931	NW_004516276.1	156486	AA	GG	GG	INTERGENIC		
SNP_58348B_165985	scaffold931	NW_004516276.1	165985	AA	GG	GG	INTERGENIC		
SNP_58349B_166283	scaffold931	NW_004516276.1	166283	AA	CC	CC	INTERGENIC		
SNP_58350B_167037	scaffold931	NW_004516276.1	167037	GG	TT	TT	INTERGENIC		
SNP_58351B_167214	scaffold931	NW_004516276.1	167214	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_58352B_167277	scaffold931	NW_004516276.1	167277	AA	GG	GG	INTERGENIC		
SNP_58353B_179978	scaffold931	NW_004516276.1	179978	CC	TT	TT	INTERGENIC		
SNP_58354B_180018	scaffold931	NW_004516276.1	180018	TT	CC	CC	INTERGENIC		
SNP_58355B_180088	scaffold931	NW_004516276.1	180088	AA	CC	CC	INTERGENIC		
SNP_58356B_180220	scaffold931	NW_004516276.1	180220	AA	GG	GG	INTERGENIC		
SNP_58357B_180221	scaffold931	NW_004516276.1	180221	GG	AA	AA	INTERGENIC		
SNP_58360B_180614	scaffold931	NW_004516276.1	180614	AA	GG	GG	INTERGENIC		
SNP_58361B_180647	scaffold931	NW_004516276.1	180647	CC	AA	AA	INTERGENIC		
SNP_58362B_180668	scaffold931	NW_004516276.1	180668	TT	GG	GG	INTERGENIC		
SNP_58363B_180707	scaffold931	NW_004516276.1	180707	AA	GG	GG	INTERGENIC		
SNP_58364B_180735	scaffold931	NW_004516276.1	180735	AA	CC	CC	INTERGENIC		
SNP_58365B_180741	scaffold931	NW_004516276.1	180741	CC	AA	AA	INTERGENIC		
SNP_58366B_180851	scaffold931	NW_004516276.1	180851	TT	AA	AA	INTERGENIC		
SNP_58367B_181059	scaffold931	NW_004516276.1	181059	TT	AA	AA	INTERGENIC		
SNP_58368B_181067	scaffold931	NW_004516276.1	181067	CC	TT	TT	INTERGENIC		
SNP_58369B_181118	scaffold931	NW_004516276.1	181118	TT	AA	AA	INTERGENIC		
SNP_58370B_181236	scaffold931	NW_004516276.1	181236	TT	AA	AA	INTERGENIC		
SNP_58372B_181336	scaffold931	NW_004516276.1	181336	CC	TT	TT	INTERGENIC		
SNP_58373B_181469	scaffold931	NW_004516276.1	181469	TT	GG	GG	INTERGENIC		
SNP_58374B_181510	scaffold931	NW_004516276.1	181510	TT	AA	AA	INTERGENIC		
SNP_58375B_181633	scaffold931	NW_004516276.1	181633	GG	AA	AA	INTERGENIC		
SNP_58376B_190674	scaffold931	NW_004516276.1	190674	GG	AA	AA	INTERGENIC		
SNP_58377B_190679	scaffold931	NW_004516276.1	190679	CC	TT	TT	INTERGENIC		
SNP_58378B_190681	scaffold931	NW_004516276.1	190681	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_58379B_190693	scaffold931	NW_004516276.1	190693	GG	AA	AA	INTERGENIC		
SNP_58380B_190803	scaffold931	NW_004516276.1	190803	GG	AA	AA	INTERGENIC		
SNP_58381B_240682	scaffold931	NW_004516276.1	240682	TT	CC	CC	INTERGENIC		
SNP_58383B_249533	scaffold931	NW_004516276.1	249533	GG	TT	TT	INTERGENIC		
SNP_58384B_249706	scaffold931	NW_004516276.1	249706	TT	GG	GG	INTERGENIC		
SNP_58385B_249823	scaffold931	NW_004516276.1	249823	GG	AA	AA	INTERGENIC		
SNP_58386B_250067	scaffold931	NW_004516276.1	250067	TT	AA	AA	INTERGENIC		
SNP_58387B_250395	scaffold931	NW_004516276.1	250395	GG	CC	CC	INTERGENIC		
SNP_58388B_1936	scaffold933	NW_004516277.1	1936	TT	CC	CC	INTERGENIC		
SNP_58389B_2531	scaffold933	NW_004516277.1	2531	TT	CC	CC	INTERGENIC		
SNP_58391B_3865	scaffold933	NW_004516277.1	3865	TT	AA	AA	DRR	101505005	Unknown function
SNP_58392B_3918	scaffold933	NW_004516277.1	3918	AA	GG	GG	DRR	101505005	Unknown function
SNP_58393B_3944	scaffold933	NW_004516277.1	3944	GG	AA	AA	DRR	101505005	Unknown function
SNP_58395B_4794	scaffold933	NW_004516277.1	4794	GG	AA	AA	NON_SYNONYMOUS_CODING	101505005	Unknown function
SNP_58396B_4924	scaffold933	NW_004516277.1	4924	AA	TT	TT	NON_SYNONYMOUS_CODING	101505005	Unknown function
SNP_58397B_5016	scaffold933	NW_004516277.1	5016	GG	AA	AA	NON_SYNONYMOUS_CODING	101505005	Unknown function
SNP_58398B_1456	scaffold934	NW_004516278.1	1456	TT	GG	GG	INTERGENIC		
SNP_58399B_3331	scaffold934	NW_004516278.1	3331	GG	AA	AA	INTERGENIC		
SNP_58400B_25605	scaffold937	NW_004516279.1	25605	GG	TT	TT	INTRON	101508333	Unknown function
SNP_58401B_165361	scaffold937	NW_004516279.1	165361	TT	GG	GG	INTERGENIC		
SNP_58402B_165371	scaffold937	NW_004516279.1	165371	TT	CC	CC	INTERGENIC		
SNP_58403B_165414	scaffold937	NW_004516279.1	165414	AA	GG	GG	INTERGENIC		
SNP_58404B_166181	scaffold937	NW_004516279.1	166181	AA	GG	GG	INTERGENIC		
SNP_58405B_207142	scaffold937	NW_004516279.1	207142	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_58406B_207201	scaffold937	NW_004516279.1	207201	GG	AA	AA	INTERGENIC		
SNP_58407B_207207	scaffold937	NW_004516279.1	207207	CC	TT	TT	INTERGENIC		
SNP_58408B_207249	scaffold937	NW_004516279.1	207249	GG	AA	AA	INTERGENIC		
SNP_58409B_207280	scaffold937	NW_004516279.1	207280	CC	TT	TT	INTERGENIC		
SNP_58410B_207307	scaffold937	NW_004516279.1	207307	CC	TT	TT	INTERGENIC		
SNP_58411B_207497	scaffold937	NW_004516279.1	207497	GG	AA	AA	INTERGENIC		
SNP_58412B_207507	scaffold937	NW_004516279.1	207507	CC	TT	TT	INTERGENIC		
SNP_58413B_207563	scaffold937	NW_004516279.1	207563	CC	GG	GG	INTERGENIC		
SNP_58414B_207817	scaffold937	NW_004516279.1	207817	AA	CC	CC	INTERGENIC		
SNP_58415B_207819	scaffold937	NW_004516279.1	207819	CC	TT	TT	INTERGENIC		
SNP_58416B_677	scaffold939	NW_004516281.1	677	CC	TT	TT	INTERGENIC		
SNP_58417B_710	scaffold939	NW_004516281.1	710	GG	TT	TT	INTERGENIC		
SNP_58418B_934	scaffold939	NW_004516281.1	934	TT	GG	GG	INTERGENIC		
SNP_58419B_978	scaffold939	NW_004516281.1	978	CC	TT	TT	INTERGENIC		
SNP_58421B_1233	scaffold939	NW_004516281.1	1233	AA	TT	TT	INTERGENIC		
SNP_58422B_1290	scaffold939	NW_004516281.1	1290	CC	TT	TT	INTERGENIC		
SNP_58423B_1306	scaffold939	NW_004516281.1	1306	AA	GG	GG	INTERGENIC		
SNP_58424B_1313	scaffold939	NW_004516281.1	1313	CC	TT	TT	INTERGENIC		
SNP_58425B_42873	scaffold943	NW_004516283.1	42873	GG	AA	AA	INTERGENIC		
SNP_58426B_42915	scaffold943	NW_004516283.1	42915	AA	TT	TT	INTERGENIC		
SNP_58428B_42930	scaffold943	NW_004516283.1	42930	AA	TT	TT	INTERGENIC		
SNP_58429B_42938	scaffold943	NW_004516283.1	42938	TT	AA	AA	INTERGENIC		
SNP_58430B_43774	scaffold943	NW_004516283.1	43774	GG	AA	AA	INTERGENIC		
SNP_58431B_119005	scaffold943	NW_004516283.1	119005	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_58432B_119011	scaffold943	NW_004516283.1	119011	AA	GG	GG	INTERGENIC		
SNP_58433B_119789	scaffold943	NW_004516283.1	119789	AA	GG	GG	INTERGENIC		
SNP_58434B_125451	scaffold943	NW_004516283.1	125451	GG	AA	AA	INTERGENIC		
SNP_58435B_162835	scaffold943	NW_004516283.1	162835	TT	CC	CC	INTERGENIC		
SNP_58436B_162861	scaffold943	NW_004516283.1	162861	AA	GG	GG	INTERGENIC		
SNP_58437B_163031	scaffold943	NW_004516283.1	163031	CC	AA	AA	INTERGENIC		
SNP_58438B_163472	scaffold943	NW_004516283.1	163472	TT	CC	CC	INTERGENIC		
SNP_58439B_163473	scaffold943	NW_004516283.1	163473	TT	AA	AA	INTERGENIC		
SNP_58440B_264121	scaffold943	NW_004516283.1	264121	GG	AA	AA	INTERGENIC		
SNP_58442B_267676	scaffold943	NW_004516283.1	267676	TT	CC	CC	INTERGENIC		
SNP_58443B_267728	scaffold943	NW_004516283.1	267728	GG	CC	CC	INTERGENIC		
SNP_58444B_118	scaffold944	NW_004516284.1	118	AA	GG	GG	INTERGENIC		
SNP_58445B_226	scaffold944	NW_004516284.1	226	GG	AA	AA	INTERGENIC		
SNP_58446B_296	scaffold944	NW_004516284.1	296	GG	AA	AA	INTERGENIC		
SNP_58447B_521	scaffold944	NW_004516284.1	521	GG	AA	AA	INTERGENIC		
SNP_58448B_528	scaffold944	NW_004516284.1	528	TT	CC	CC	INTERGENIC		
SNP_58450B_703	scaffold944	NW_004516284.1	703	CC	AA	AA	INTERGENIC		
SNP_58451B_752	scaffold944	NW_004516284.1	752	CC	GG	GG	INTERGENIC		
SNP_58452B_803	scaffold944	NW_004516284.1	803	GG	AA	AA	INTERGENIC		
SNP_58453B_879	scaffold944	NW_004516284.1	879	GG	TT	TT	INTERGENIC		
SNP_58454B_1405	scaffold944	NW_004516284.1	1405	CC	TT	TT	INTERGENIC		
SNP_58455B_1724	scaffold944	NW_004516284.1	1724	TT	CC	CC	INTERGENIC		
SNP_58456B_1725	scaffold944	NW_004516284.1	1725	GG	TT	TT	INTERGENIC		
SNP_58457B_1733	scaffold944	NW_004516284.1	1733	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_58458B_1849	scaffold944	NW_004516284.1	1849	AA	GG	GG	INTERGENIC		
SNP_58459B_2104	scaffold944	NW_004516284.1	2104	CC	GG	GG	INTERGENIC		
SNP_58460B_2352	scaffold944	NW_004516284.1	2352	TT	AA	AA	INTERGENIC		
SNP_58462B_2442	scaffold944	NW_004516284.1	2442	AA	GG	GG	INTERGENIC		
SNP_58464B_2587	scaffold944	NW_004516284.1	2587	CC	TT	TT	INTERGENIC		
SNP_58465B_2732	scaffold944	NW_004516284.1	2732	AA	TT	TT	INTERGENIC		
SNP_58466B_2803	scaffold944	NW_004516284.1	2803	TT	CC	CC	INTERGENIC		
SNP_58467B_2868	scaffold944	NW_004516284.1	2868	GG	CC	CC	INTERGENIC		
SNP_58470B_3330	scaffold944	NW_004516284.1	3330	GG	AA	AA	INTERGENIC		
SNP_58472B_3358	scaffold944	NW_004516284.1	3358	TT	CC	CC	INTERGENIC		
SNP_58473B_3461	scaffold944	NW_004516284.1	3461	CC	GG	GG	INTERGENIC		
SNP_58474B_2539	scaffold945	NW_004516285.1	2539	AA	GG	GG	INTERGENIC		
SNP_58475B_2549	scaffold945	NW_004516285.1	2549	CC	TT	TT	INTERGENIC		
SNP_58476B_2556	scaffold945	NW_004516285.1	2556	CC	AA	AA	INTERGENIC		
SNP_58477B_64	scaffold948	NW_004516287.1	64	CC	TT	TT	INTERGENIC		
SNP_58478B_80	scaffold948	NW_004516287.1	80	CC	AA	AA	INTERGENIC		
SNP_58479B_94	scaffold948	NW_004516287.1	94	AA	GG	GG	INTERGENIC		
SNP_58480B_120	scaffold948	NW_004516287.1	120	AA	GG	GG	INTERGENIC		
SNP_58481B_182	scaffold948	NW_004516287.1	182	AA	CC	CC	INTERGENIC		
SNP_58482B_295	scaffold948	NW_004516287.1	295	AA	CC	CC	INTERGENIC		
SNP_58483B_329	scaffold948	NW_004516287.1	329	CC	TT	TT	INTERGENIC		
SNP_58484B_429	scaffold948	NW_004516287.1	429	CC	AA	AA	INTERGENIC		
SNP_58485B_504	scaffold948	NW_004516287.1	504	GG	AA	AA	INTERGENIC		
SNP_58486B_506	scaffold948	NW_004516287.1	506	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_58487B_533	scaffold948	NW_004516287.1	533	TT	CC	CC	INTERGENIC		
SNP_58488B_576	scaffold948	NW_004516287.1	576	CC	AA	AA	INTERGENIC		
SNP_58489B_593	scaffold948	NW_004516287.1	593	CC	AA	AA	INTERGENIC		
SNP_58490B_750	scaffold948	NW_004516287.1	750	GG	CC	CC	INTERGENIC		
SNP_58491B_809	scaffold948	NW_004516287.1	809	GG	AA	AA	INTERGENIC		
SNP_58492B_892	scaffold948	NW_004516287.1	892	CC	AA	AA	INTERGENIC		
SNP_58493B_988	scaffold948	NW_004516287.1	988	GG	TT	TT	INTERGENIC		
SNP_58494B_1652	scaffold948	NW_004516287.1	1652	CC	GG	GG	DRR	101510901	uncharacterized LOC101510901
SNP_58495B_1772	scaffold948	NW_004516287.1	1772	CC	AA	AA	DRR	101510901	uncharacterized LOC101510901
SNP_58496B_1786	scaffold948	NW_004516287.1	1786	AA	GG	GG	DRR	101510901	uncharacterized LOC101510901
SNP_58497B_1821	scaffold948	NW_004516287.1	1821	TT	GG	GG	DRR	101510901	uncharacterized LOC101510901
SNP_58498B_30602	scaffold948	NW_004516287.1	30602	GG	AA	AA	INTERGENIC		
SNP_58499B_52358	scaffold948	NW_004516287.1	52358	AA	GG	GG	INTERGENIC		
SNP_58500B_52522	scaffold948	NW_004516287.1	52522	GG	AA	AA	INTERGENIC		
SNP_58501B_52531	scaffold948	NW_004516287.1	52531	TT	AA	AA	INTERGENIC		
SNP_58502B_52981	scaffold948	NW_004516287.1	52981	GG	AA	AA	INTERGENIC		
SNP_58503B_148163	scaffold948	NW_004516287.1	148163	CC	TT	TT	INTERGENIC		
SNP_58504B_148364	scaffold948	NW_004516287.1	148364	CC	TT	TT	INTERGENIC		
SNP_58505B_148368	scaffold948	NW_004516287.1	148368	AA	GG	GG	INTERGENIC		
SNP_58506B_148435	scaffold948	NW_004516287.1	148435	GG	CC	CC	INTERGENIC		
SNP_58507B_157851	scaffold948	NW_004516287.1	157851	AA	TT	TT	URR	101513469	Unknown function
SNP_58508B_180093	scaffold948	NW_004516287.1	180093	CC	GG	GG	INTERGENIC		
SNP_58509B_180113	scaffold948	NW_004516287.1	180113	TT	GG	GG	INTERGENIC		
SNP_58510B_3625	scaffold949	NW_004516288.1	3625	GG	AA	AA	SYNONYMOUS_CODING	101513778	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_58512B_3850	scaffold949	NW_004516288.1	3850	TT	CC	CC	INTERGENIC		
SNP_58513B_3934	scaffold949	NW_004516288.1	3934	CC	TT	TT	INTERGENIC		
SNP_58514B_3950	scaffold949	NW_004516288.1	3950	AA	TT	TT	INTERGENIC		
SNP_58515B_3983	scaffold949	NW_004516288.1	3983	AA	TT	TT	URR	101513778	Unknown function
SNP_58516B_4041	scaffold949	NW_004516288.1	4041	CC	TT	TT	URR	101513778	Unknown function
SNP_58517B_4043	scaffold949	NW_004516288.1	4043	AA	GG	GG	URR	101513778	Unknown function
SNP_58518B_4098	scaffold949	NW_004516288.1	4098	CC	TT	TT	URR	101513778	Unknown function
SNP_58519B_11929	scaffold949	NW_004516288.1	11929	TT	AA	AA	INTERGENIC		
SNP_58520B_12271	scaffold949	NW_004516288.1	12271	GG	AA	AA	INTERGENIC		
SNP_58521B_12284	scaffold949	NW_004516288.1	12284	GG	AA	AA	INTERGENIC		
SNP_58522B_12285	scaffold949	NW_004516288.1	12285	GG	AA	AA	INTERGENIC		
SNP_58523B_12299	scaffold949	NW_004516288.1	12299	GG	AA	AA	INTERGENIC		
SNP_58524B_12304	scaffold949	NW_004516288.1	12304	AA	GG	GG	INTERGENIC		
SNP_58525B_21249	scaffold949	NW_004516288.1	21249	AA	GG	GG	INTERGENIC		
SNP_58526B_21252	scaffold949	NW_004516288.1	21252	TT	GG	GG	INTERGENIC		
SNP_58527B_21253	scaffold949	NW_004516288.1	21253	CC	TT	TT	INTERGENIC		
SNP_58528B_21254	scaffold949	NW_004516288.1	21254	AA	CC	CC	INTERGENIC		
SNP_58529B_21270	scaffold949	NW_004516288.1	21270	GG	TT	TT	INTERGENIC		
SNP_58530B_21272	scaffold949	NW_004516288.1	21272	AA	CC	CC	INTERGENIC		
SNP_58531B_21274	scaffold949	NW_004516288.1	21274	AA	GG	GG	INTERGENIC		
SNP_58532B_21278	scaffold949	NW_004516288.1	21278	AA	TT	TT	INTERGENIC		
SNP_58533B_26293	scaffold949	NW_004516288.1	26293	CC	TT	TT	INTERGENIC		
SNP_58534B_26295	scaffold949	NW_004516288.1	26295	CC	TT	TT	INTERGENIC		
SNP_58535B_26299	scaffold949	NW_004516288.1	26299	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_58536B_26403	scaffold949	NW_004516288.1	26403	TT	CC	CC	INTERGENIC		
SNP_58537B_26457	scaffold949	NW_004516288.1	26457	GG	TT	TT	INTERGENIC		
SNP_58538B_26479	scaffold949	NW_004516288.1	26479	AA	CC	CC	INTERGENIC		
SNP_58539B_26485	scaffold949	NW_004516288.1	26485	TT	CC	CC	INTERGENIC		
SNP_58540B_26495	scaffold949	NW_004516288.1	26495	CC	AA	AA	INTERGENIC		
SNP_58541B_26501	scaffold949	NW_004516288.1	26501	GG	CC	CC	INTERGENIC		
SNP_58542B_26528	scaffold949	NW_004516288.1	26528	TT	AA	AA	INTERGENIC		
SNP_58543B_26529	scaffold949	NW_004516288.1	26529	GG	TT	TT	INTERGENIC		
SNP_58544B_26696	scaffold949	NW_004516288.1	26696	GG	CC	CC	INTERGENIC		
SNP_58545B_26718	scaffold949	NW_004516288.1	26718	CC	GG	GG	INTERGENIC		
SNP_58546B_26728	scaffold949	NW_004516288.1	26728	GG	AA	AA	INTERGENIC		
SNP_58547B_87080	scaffold949	NW_004516288.1	87080	CC	TT	TT	INTERGENIC		
SNP_58548B_88339	scaffold949	NW_004516288.1	88339	TT	GG	GG	INTERGENIC		
SNP_58549B_88374	scaffold949	NW_004516288.1	88374	GG	TT	TT	INTERGENIC		
SNP_58550B_88394	scaffold949	NW_004516288.1	88394	GG	AA	AA	INTERGENIC		
SNP_58551B_102108	scaffold949	NW_004516288.1	102108	TT	CC	CC	INTERGENIC		
SNP_58552B_102185	scaffold949	NW_004516288.1	102185	AA	TT	TT	INTERGENIC		
SNP_58553B_102195	scaffold949	NW_004516288.1	102195	AA	GG	GG	INTERGENIC		
SNP_58554B_103608	scaffold949	NW_004516288.1	103608	TT	AA	AA	INTERGENIC		
SNP_58555B_103646	scaffold949	NW_004516288.1	103646	AA	TT	TT	INTERGENIC		
SNP_58556B_103659	scaffold949	NW_004516288.1	103659	CC	GG	GG	INTERGENIC		
SNP_58557B_103829	scaffold949	NW_004516288.1	103829	CC	AA	AA	INTERGENIC		
SNP_58558B_103830	scaffold949	NW_004516288.1	103830	CC	TT	TT	INTERGENIC		
SNP_58559B_103977	scaffold949	NW_004516288.1	103977	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_58560B_104196	scaffold949	NW_004516288.1	104196	GG	TT	TT	INTERGENIC		
SNP_58561B_104362	scaffold949	NW_004516288.1	104362	TT	AA	AA	INTERGENIC		
SNP_58562B_104484	scaffold949	NW_004516288.1	104484	GG	AA	AA	INTERGENIC		
SNP_58563B_104526	scaffold949	NW_004516288.1	104526	CC	GG	GG	INTERGENIC		
SNP_58564B_105373	scaffold949	NW_004516288.1	105373	AA	TT	TT	INTERGENIC		
SNP_58565B_105411	scaffold949	NW_004516288.1	105411	AA	CC	CC	INTERGENIC		
SNP_58566B_105415	scaffold949	NW_004516288.1	105415	TT	AA	AA	INTERGENIC		
SNP_58567B_105514	scaffold949	NW_004516288.1	105514	GG	TT	TT	INTERGENIC		
SNP_58568B_142499	scaffold949	NW_004516288.1	142499	AA	CC	CC	INTERGENIC		
SNP_58569B_142535	scaffold949	NW_004516288.1	142535	GG	AA	AA	INTERGENIC		
SNP_58570B_142546	scaffold949	NW_004516288.1	142546	GG	AA	AA	INTERGENIC		
SNP_58571B_142559	scaffold949	NW_004516288.1	142559	CC	TT	TT	INTERGENIC		
SNP_58572B_142562	scaffold949	NW_004516288.1	142562	CC	TT	TT	INTERGENIC		
SNP_58573B_142581	scaffold949	NW_004516288.1	142581	AA	TT	TT	INTERGENIC		
SNP_58574B_142616	scaffold949	NW_004516288.1	142616	TT	CC	CC	INTERGENIC		
SNP_58575B_635	scaffold950	NW_004516289.1	635	GG	AA	AA	INTERGENIC		
SNP_58576B_868	scaffold950	NW_004516289.1	868	TT	GG	GG	INTERGENIC		
SNP_58577B_1335	scaffold950	NW_004516289.1	1335	AA	TT	TT	INTERGENIC		
SNP_58578B_1394	scaffold950	NW_004516289.1	1394	TT	GG	GG	INTERGENIC		
SNP_58579B_1517	scaffold950	NW_004516289.1	1517	CC	GG	GG	INTERGENIC		
SNP_58580B_1545	scaffold950	NW_004516289.1	1545	AA	GG	GG	INTERGENIC		
SNP_58581B_1546	scaffold950	NW_004516289.1	1546	GG	TT	TT	INTERGENIC		
SNP_58582B_1713	scaffold950	NW_004516289.1	1713	GG	CC	CC	INTERGENIC		
SNP_58583B_1733	scaffold950	NW_004516289.1	1733	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_58584B_1735	scaffold950	NW_004516289.1	1735	AA	TT	TT	INTERGENIC		
SNP_58585B_1779	scaffold950	NW_004516289.1	1779	AA	TT	TT	INTERGENIC		
SNP_58586B_1845	scaffold950	NW_004516289.1	1845	AA	GG	GG	INTERGENIC		
SNP_58587B_1923	scaffold950	NW_004516289.1	1923	AA	GG	GG	INTERGENIC		
SNP_58588B_2093	scaffold950	NW_004516289.1	2093	GG	AA	AA	INTERGENIC		
SNP_58589B_2154	scaffold950	NW_004516289.1	2154	CC	GG	GG	INTERGENIC		
SNP_58590B_2203	scaffold950	NW_004516289.1	2203	CC	GG	GG	INTERGENIC		
SNP_58591B_2234	scaffold950	NW_004516289.1	2234	GG	AA	AA	INTERGENIC		
SNP_58592B_2252	scaffold950	NW_004516289.1	2252	AA	TT	TT	INTERGENIC		
SNP_58593B_2323	scaffold950	NW_004516289.1	2323	AA	GG	GG	INTERGENIC		
SNP_58594B_2335	scaffold950	NW_004516289.1	2335	AA	GG	GG	INTERGENIC		
SNP_58595B_2355	scaffold950	NW_004516289.1	2355	AA	CC	CC	INTERGENIC		
SNP_58596B_2373	scaffold950	NW_004516289.1	2373	AA	GG	GG	INTERGENIC		
SNP_58597B_2411	scaffold950	NW_004516289.1	2411	TT	CC	CC	INTERGENIC		
SNP_58598B_2476	scaffold950	NW_004516289.1	2476	CC	TT	TT	INTERGENIC		
SNP_58599B_2478	scaffold950	NW_004516289.1	2478	CC	AA	AA	INTERGENIC		
SNP_58600B_2500	scaffold950	NW_004516289.1	2500	AA	GG	GG	INTERGENIC		
SNP_58601B_3540	scaffold950	NW_004516289.1	3540	GG	AA	AA	INTERGENIC		
SNP_58602B_3626	scaffold950	NW_004516289.1	3626	CC	TT	TT	INTERGENIC		
SNP_58603B_3632	scaffold950	NW_004516289.1	3632	TT	GG	GG	INTERGENIC		
SNP_58604B_3699	scaffold950	NW_004516289.1	3699	GG	TT	TT	INTERGENIC		
SNP_58606B_3798	scaffold950	NW_004516289.1	3798	AA	GG	GG	INTERGENIC		
SNP_58607B_3929	scaffold950	NW_004516289.1	3929	AA	CC	CC	INTERGENIC		
SNP_58608B_4008	scaffold950	NW_004516289.1	4008	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_58609B_6618	scaffold950	NW_004516289.1	6618	AA	GG	GG	INTERGENIC		
SNP_58610B_6807	scaffold950	NW_004516289.1	6807	AA	GG	GG	INTERGENIC		
SNP_58611B_17799	scaffold950	NW_004516289.1	17799	GG	TT	TT	INTERGENIC		
SNP_58612B_17904	scaffold950	NW_004516289.1	17904	GG	AA	AA	INTERGENIC		
SNP_58613B_17959	scaffold950	NW_004516289.1	17959	GG	CC	CC	INTERGENIC		
SNP_58614B_45518	scaffold950	NW_004516289.1	45518	TT	GG	GG	INTERGENIC		
SNP_58615B_18844	scaffold951	NW_004516290.1	18844	AA	CC	CC	INTERGENIC		
SNP_58616B_18617	scaffold952	NW_004516291.1	18617	GG	CC	CC	INTERGENIC		
SNP_58617B_18722	scaffold952	NW_004516291.1	18722	TT	CC	CC	INTERGENIC		
SNP_58618B_18839	scaffold952	NW_004516291.1	18839	CC	TT	TT	INTERGENIC		
SNP_58619B_18840	scaffold952	NW_004516291.1	18840	TT	AA	AA	INTERGENIC		
SNP_58620B_18899	scaffold952	NW_004516291.1	18899	AA	TT	TT	INTERGENIC		
SNP_58621B_19068	scaffold952	NW_004516291.1	19068	CC	TT	TT	INTERGENIC		
SNP_58622B_19398	scaffold952	NW_004516291.1	19398	CC	TT	TT	INTERGENIC		
SNP_58623B_27842	scaffold952	NW_004516291.1	27842	CC	TT	TT	INTERGENIC		
SNP_58624B_27843	scaffold952	NW_004516291.1	27843	AA	TT	TT	INTERGENIC		
SNP_58625B_27888	scaffold952	NW_004516291.1	27888	AA	CC	CC	INTERGENIC		
SNP_58626B_27889	scaffold952	NW_004516291.1	27889	CC	AA	AA	INTERGENIC		
SNP_58627B_27890	scaffold952	NW_004516291.1	27890	AA	GG	GG	INTERGENIC		
SNP_58628B_27891	scaffold952	NW_004516291.1	27891	CC	TT	TT	INTERGENIC		
SNP_58629B_27908	scaffold952	NW_004516291.1	27908	CC	TT	TT	INTERGENIC		
SNP_58630B_27915	scaffold952	NW_004516291.1	27915	AA	GG	GG	INTERGENIC		
SNP_58631B_41822	scaffold952	NW_004516291.1	41822	GG	AA	AA	INTRON	101514770	uncharacterized LOC101514770
SNP_58632B_7364	scaffold953	NW_004516292.1	7364	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_58634B_7574	scaffold953	NW_004516292.1	7574	CC	TT	TT	INTERGENIC		
SNP_58635B_14485	scaffold953	NW_004516292.1	14485	CC	TT	TT	INTERGENIC		
SNP_58636B_17889	scaffold953	NW_004516292.1	17889	GG	AA	AA	INTERGENIC		
SNP_58637B_19412	scaffold953	NW_004516292.1	19412	CC	GG	GG	INTERGENIC		
SNP_58639B_25204	scaffold953	NW_004516292.1	25204	TT	CC	CC	INTRON	101515751	uncharacterized LOC101515751
SNP_58640B_25277	scaffold953	NW_004516292.1	25277	TT	CC	CC	INTRON	101515751	uncharacterized LOC101515751
SNP_58641B_25285	scaffold953	NW_004516292.1	25285	GG	CC	CC	INTRON	101515751	uncharacterized LOC101515751
SNP_58642B_27826	scaffold953	NW_004516292.1	27826	TT	AA	AA	INTRON	101515751	uncharacterized LOC101515751
SNP_58643B_29934	scaffold953	NW_004516292.1	29934	TT	CC	CC	URR	101515751	uncharacterized LOC101515751
SNP_58644B_33219	scaffold953	NW_004516292.1	33219	CC	GG	GG	INTERGENIC		
SNP_58645B_52513	scaffold953	NW_004516292.1	52513	AA	GG	GG	INTERGENIC		
SNP_58646B_62895	scaffold953	NW_004516292.1	62895	CC	TT	TT	INTERGENIC		
SNP_58647B_74607	scaffold953	NW_004516292.1	74607	TT	GG	GG	URR	101515095	Unknown function
SNP_58649B_81357	scaffold953	NW_004516292.1	81357	AA	GG	GG	INTERGENIC		
SNP_58650B_81485	scaffold953	NW_004516292.1	81485	AA	GG	GG	INTERGENIC		
SNP_58653B_97795	scaffold953	NW_004516292.1	97795	TT	CC	CC	INTERGENIC		
SNP_58654B_97889	scaffold953	NW_004516292.1	97889	CC	TT	TT	INTERGENIC		
SNP_58655B_111190	scaffold953	NW_004516292.1	111190	AA	GG	GG	INTERGENIC		
SNP_58656B_123724	scaffold953	NW_004516292.1	123724	GG	AA	AA	INTERGENIC		
SNP_58658B_128381	scaffold953	NW_004516292.1	128381	GG	CC	CC	DRR	101515417	uncharacterized LOC101515417
SNP_58659B_134599	scaffold953	NW_004516292.1	134599	TT	CC	CC	INTRON	101515417	uncharacterized LOC101515417
SNP_58660B_134601	scaffold953	NW_004516292.1	134601	GG	AA	AA	INTRON	101515417	uncharacterized LOC101515417
SNP_58661B_141613	scaffold953	NW_004516292.1	141613	CC	TT	TT	INTERGENIC		
SNP_58664B_147309	scaffold953	NW_004516292.1	147309	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_58665B_158248	scaffold953	NW_004516292.1	158248	TT	AA	AA	INTERGENIC		
SNP_58666B_570	scaffold954	NW_004516293.1	570	AA	CC	CC	INTERGENIC		
SNP_58667B_640	scaffold954	NW_004516293.1	640	TT	CC	CC	INTERGENIC		
SNP_58668B_3399	scaffold954	NW_004516293.1	3399	GG	TT	TT	INTERGENIC		
SNP_58669B_3873	scaffold954	NW_004516293.1	3873	TT	CC	CC	INTERGENIC		
SNP_58670B_19890	scaffold954	NW_004516293.1	19890	TT	AA	AA	INTERGENIC		
SNP_58671B_19977	scaffold954	NW_004516293.1	19977	AA	CC	CC	INTERGENIC		
SNP_58672B_22489	scaffold954	NW_004516293.1	22489	GG	AA	AA	INTERGENIC		
SNP_58674B_28421	scaffold954	NW_004516293.1	28421	GG	AA	AA	INTERGENIC		
SNP_58675B_28429	scaffold954	NW_004516293.1	28429	AA	TT	TT	INTERGENIC		
SNP_58676B_28520	scaffold954	NW_004516293.1	28520	TT	GG	GG	INTERGENIC		
SNP_58677B_28533	scaffold954	NW_004516293.1	28533	CC	TT	TT	INTERGENIC		
SNP_58678B_28626	scaffold954	NW_004516293.1	28626	AA	TT	TT	INTERGENIC		
SNP_58679B_28673	scaffold954	NW_004516293.1	28673	TT	CC	CC	INTERGENIC		
SNP_58680B_28689	scaffold954	NW_004516293.1	28689	GG	AA	AA	INTERGENIC		
SNP_58681B_28871	scaffold954	NW_004516293.1	28871	AA	GG	GG	INTERGENIC		
SNP_58682B_28916	scaffold954	NW_004516293.1	28916	TT	CC	CC	INTERGENIC		
SNP_58683B_28947	scaffold954	NW_004516293.1	28947	TT	CC	CC	INTERGENIC		
SNP_58684B_29431	scaffold954	NW_004516293.1	29431	GG	AA	AA	INTERGENIC		
SNP_58685B_30305	scaffold954	NW_004516293.1	30305	TT	CC	CC	INTERGENIC		
SNP_58686B_30413	scaffold954	NW_004516293.1	30413	TT	CC	CC	INTERGENIC		
SNP_58687B_36284	scaffold954	NW_004516293.1	36284	AA	GG	GG	INTERGENIC		
SNP_58689B_37887	scaffold954	NW_004516293.1	37887	AA	GG	GG	INTERGENIC		
SNP_58690B_38028	scaffold954	NW_004516293.1	38028	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_58691B_39195	scaffold954	NW_004516293.1	39195	TT	GG	GG	INTERGENIC		
SNP_58692B_39207	scaffold954	NW_004516293.1	39207	GG	AA	AA	INTERGENIC		
SNP_58693B_39234	scaffold954	NW_004516293.1	39234	GG	AA	AA	INTERGENIC		
SNP_58694B_39443	scaffold954	NW_004516293.1	39443	AA	GG	GG	INTERGENIC		
SNP_58695B_39602	scaffold954	NW_004516293.1	39602	AA	GG	GG	INTERGENIC		
SNP_58696B_39606	scaffold954	NW_004516293.1	39606	GG	AA	AA	INTERGENIC		
SNP_58697B_45189	scaffold954	NW_004516293.1	45189	TT	CC	CC	INTERGENIC		
SNP_58698B_45372	scaffold954	NW_004516293.1	45372	AA	GG	GG	INTERGENIC		
SNP_58699B_577	scaffold956	NW_004516295.1	577	AA	GG	GG	INTERGENIC		
SNP_58700B_822	scaffold956	NW_004516295.1	822	CC	TT	TT	INTERGENIC		
SNP_58701B_4278	scaffold956	NW_004516295.1	4278	CC	TT	TT	INTERGENIC		
SNP_58702B_4483	scaffold956	NW_004516295.1	4483	TT	GG	GG	INTERGENIC		
SNP_58703B_4503	scaffold956	NW_004516295.1	4503	GG	CC	CC	INTERGENIC		
SNP_58704B_4561	scaffold956	NW_004516295.1	4561	CC	TT	TT	INTERGENIC		
SNP_58705B_4652	scaffold956	NW_004516295.1	4652	TT	AA	AA	INTERGENIC		
SNP_58706B_5883	scaffold956	NW_004516295.1	5883	AA	TT	TT	INTERGENIC		
SNP_58707B_5966	scaffold956	NW_004516295.1	5966	TT	AA	AA	INTERGENIC		
SNP_58709B_6020	scaffold956	NW_004516295.1	6020	CC	TT	TT	INTERGENIC		
SNP_58710B_6027	scaffold956	NW_004516295.1	6027	GG	CC	CC	INTERGENIC		
SNP_58711B_11969	scaffold956	NW_004516295.1	11969	CC	TT	TT	INTERGENIC		
SNP_58712B_12008	scaffold956	NW_004516295.1	12008	CC	TT	TT	INTERGENIC		
SNP_58713B_12344	scaffold956	NW_004516295.1	12344	CC	GG	GG	INTERGENIC		
SNP_58714B_12462	scaffold956	NW_004516295.1	12462	AA	GG	GG	INTERGENIC		
SNP_58715B_12465	scaffold956	NW_004516295.1	12465	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_58716B_12590	scaffold956	NW_004516295.1	12590	CC	TT	TT	INTERGENIC		
SNP_58717B_12600	scaffold956	NW_004516295.1	12600	AA	CC	CC	INTERGENIC		
SNP_58718B_12601	scaffold956	NW_004516295.1	12601	TT	CC	CC	INTERGENIC		
SNP_58719B_12611	scaffold956	NW_004516295.1	12611	AA	CC	CC	INTERGENIC		
SNP_58720B_12617	scaffold956	NW_004516295.1	12617	CC	TT	TT	INTERGENIC		
SNP_58721B_14078	scaffold956	NW_004516295.1	14078	GG	AA	AA	INTERGENIC		
SNP_58722B_14123	scaffold956	NW_004516295.1	14123	AA	TT	TT	INTERGENIC		
SNP_58723B_14157	scaffold956	NW_004516295.1	14157	TT	AA	AA	INTERGENIC		
SNP_58724B_14374	scaffold956	NW_004516295.1	14374	AA	TT	TT	INTERGENIC		
SNP_58725B_14391	scaffold956	NW_004516295.1	14391	GG	AA	AA	INTERGENIC		
SNP_58726B_18446	scaffold956	NW_004516295.1	18446	TT	CC	CC	INTERGENIC		
SNP_58727B_18730	scaffold956	NW_004516295.1	18730	TT	CC	CC	INTERGENIC		
SNP_58728B_19023	scaffold956	NW_004516295.1	19023	CC	TT	TT	INTERGENIC		
SNP_58729B_19089	scaffold956	NW_004516295.1	19089	AA	GG	GG	INTERGENIC		
SNP_58730B_19091	scaffold956	NW_004516295.1	19091	AA	CC	CC	INTERGENIC		
SNP_58732B_3450	scaffold958	NW_004516297.1	3450	GG	CC	CC	INTERGENIC		
SNP_58734B_3723	scaffold958	NW_004516297.1	3723	GG	CC	CC	INTERGENIC		
SNP_58735B_4249	scaffold958	NW_004516297.1	4249	CC	TT	TT	INTERGENIC		
SNP_58736B_3963	scaffold959	NW_004516298.1	3963	CC	AA	AA	INTERGENIC		
SNP_58737B_8040	scaffold959	NW_004516298.1	8040	TT	CC	CC	INTERGENIC		
SNP_58738B_8089	scaffold959	NW_004516298.1	8089	TT	AA	AA	INTERGENIC		
SNP_58739B_8136	scaffold959	NW_004516298.1	8136	AA	GG	GG	INTERGENIC		
SNP_58740B_10538	scaffold959	NW_004516298.1	10538	AA	GG	GG	INTERGENIC		
SNP_58741B_10552	scaffold959	NW_004516298.1	10552	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_58742B_10568	scaffold959	NW_004516298.1	10568	TT	CC	CC	INTERGENIC		
SNP_58743B_10571	scaffold959	NW_004516298.1	10571	AA	GG	GG	INTERGENIC		
SNP_58744B_10580	scaffold959	NW_004516298.1	10580	GG	AA	AA	INTERGENIC		
SNP_58745B_10613	scaffold959	NW_004516298.1	10613	CC	TT	TT	INTERGENIC		
SNP_58746B_10644	scaffold959	NW_004516298.1	10644	CC	TT	TT	INTERGENIC		
SNP_58747B_10664	scaffold959	NW_004516298.1	10664	AA	CC	CC	INTERGENIC		
SNP_58749B_20448	scaffold959	NW_004516298.1	20448	GG	AA	AA	INTERGENIC		
SNP_58750B_20802	scaffold959	NW_004516298.1	20802	TT	AA	AA	INTERGENIC		
SNP_58752B_20882	scaffold959	NW_004516298.1	20882	TT	GG	GG	INTERGENIC		
SNP_58753B_21182	scaffold959	NW_004516298.1	21182	AA	CC	CC	INTERGENIC		
SNP_58754B_21285	scaffold959	NW_004516298.1	21285	CC	AA	AA	INTERGENIC		
SNP_58755B_22110	scaffold959	NW_004516298.1	22110	GG	AA	AA	INTERGENIC		
SNP_58756B_57572	scaffold959	NW_004516298.1	57572	AA	TT	TT	INTERGENIC		
SNP_58758B_57788	scaffold959	NW_004516298.1	57788	TT	AA	AA	INTERGENIC		
SNP_58759B_57810	scaffold959	NW_004516298.1	57810	GG	TT	TT	INTERGENIC		
SNP_58760B_57813	scaffold959	NW_004516298.1	57813	GG	AA	AA	INTERGENIC		
SNP_58761B_57928	scaffold959	NW_004516298.1	57928	AA	GG	GG	INTERGENIC		
SNP_58762B_58306	scaffold959	NW_004516298.1	58306	AA	TT	TT	INTERGENIC		
SNP_58763B_20802	scaffold960	NW_004516299.1	20802	TT	CC	CC	INTERGENIC		
SNP_58764B_68109	scaffold960	NW_004516299.1	68109	CC	TT	TT	INTERGENIC		
SNP_58765B_68135	scaffold960	NW_004516299.1	68135	TT	GG	GG	INTERGENIC		
SNP_58766B_104242	scaffold960	NW_004516299.1	104242	TT	GG	GG	INTRON	101490149	mitochondrial import inner membrane translocase subunit TIM44-2-like
SNP_58767B_139143	scaffold960	NW_004516299.1	139143	AA	GG	GG	INTERGENIC		
SNP_58768B_139147	scaffold960	NW_004516299.1	139147	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_58769B_139208	scaffold960	NW_004516299.1	139208	TT	AA	AA	INTERGENIC		
SNP_58770B_162259	scaffold960	NW_004516299.1	162259	AA	GG	GG	INTERGENIC		
SNP_58771B_163252	scaffold960	NW_004516299.1	163252	TT	GG	GG	INTERGENIC		
SNP_58772B_3812	scaffold962	NW_004516300.1	3812	GG	TT	TT	INTERGENIC		
SNP_58773B_13429	scaffold962	NW_004516300.1	13429	TT	CC	CC	INTERGENIC		
SNP_58774B_16623	scaffold962	NW_004516300.1	16623	GG	AA	AA	INTERGENIC		
SNP_58776B_101811	scaffold962	NW_004516300.1	101811	CC	GG	GG	INTERGENIC		
SNP_58777B_124628	scaffold962	NW_004516300.1	124628	TT	AA	AA	INTERGENIC		
SNP_58778B_125605	scaffold962	NW_004516300.1	125605	TT	GG	GG	INTERGENIC		
SNP_58779B_125629	scaffold962	NW_004516300.1	125629	TT	AA	AA	INTERGENIC		
SNP_58780B_149242	scaffold962	NW_004516300.1	149242	AA	GG	GG	INTERGENIC		
SNP_58781B_149257	scaffold962	NW_004516300.1	149257	TT	CC	CC	INTERGENIC		
SNP_58782B_160775	scaffold962	NW_004516300.1	160775	GG	TT	TT	INTERGENIC		
SNP_58783B_161004	scaffold962	NW_004516300.1	161004	TT	CC	CC	INTERGENIC		
SNP_58784B_161065	scaffold962	NW_004516300.1	161065	AA	TT	TT	INTERGENIC		
SNP_58785B_164204	scaffold962	NW_004516300.1	164204	TT	GG	GG	INTERGENIC		
SNP_58786B_164532	scaffold962	NW_004516300.1	164532	GG	AA	AA	INTERGENIC		
SNP_58788B_463	scaffold963	NW_004516301.1	463	GG	CC	CC	INTERGENIC		
SNP_58789B_487	scaffold963	NW_004516301.1	487	TT	CC	CC	INTERGENIC		
SNP_58790B_3741	scaffold963	NW_004516301.1	3741	TT	GG	GG	INTERGENIC		
SNP_58791B_3878	scaffold963	NW_004516301.1	3878	GG	AA	AA	INTERGENIC		
SNP_58792B_5273	scaffold963	NW_004516301.1	5273	AA	CC	CC	INTERGENIC		
SNP_58793B_5278	scaffold963	NW_004516301.1	5278	AA	CC	CC	INTERGENIC		
SNP_58795B_5290	scaffold963	NW_004516301.1	5290	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_58796B_5313	scaffold963	NW_004516301.1	5313	AA	GG	GG	INTERGENIC		
SNP_58797B_5324	scaffold963	NW_004516301.1	5324	AA	TT	TT	INTERGENIC		
SNP_58798B_5337	scaffold963	NW_004516301.1	5337	TT	CC	CC	INTERGENIC		
SNP_58799B_5344	scaffold963	NW_004516301.1	5344	TT	CC	CC	INTERGENIC		
SNP_58800B_5350	scaffold963	NW_004516301.1	5350	AA	GG	GG	INTERGENIC		
SNP_58801B_5389	scaffold963	NW_004516301.1	5389	AA	GG	GG	INTERGENIC		
SNP_58802B_5401	scaffold963	NW_004516301.1	5401	GG	CC	CC	INTERGENIC		
SNP_58803B_5414	scaffold963	NW_004516301.1	5414	AA	GG	GG	INTERGENIC		
SNP_58804B_5444	scaffold963	NW_004516301.1	5444	TT	GG	GG	INTERGENIC		
SNP_58805B_5446	scaffold963	NW_004516301.1	5446	TT	AA	AA	INTERGENIC		
SNP_58806B_5475	scaffold963	NW_004516301.1	5475	AA	GG	GG	INTERGENIC		
SNP_58807B_5478	scaffold963	NW_004516301.1	5478	AA	GG	GG	INTERGENIC		
SNP_58808B_5904	scaffold963	NW_004516301.1	5904	AA	CC	CC	INTERGENIC		
SNP_58809B_5958	scaffold963	NW_004516301.1	5958	GG	AA	AA	INTERGENIC		
SNP_58810B_6084	scaffold963	NW_004516301.1	6084	TT	CC	CC	INTERGENIC		
SNP_58812B_6130	scaffold963	NW_004516301.1	6130	GG	AA	AA	INTERGENIC		
SNP_58813B_6282	scaffold963	NW_004516301.1	6282	AA	TT	TT	INTERGENIC		
SNP_58814B_6294	scaffold963	NW_004516301.1	6294	TT	CC	CC	INTERGENIC		
SNP_58815B_6320	scaffold963	NW_004516301.1	6320	AA	GG	GG	INTERGENIC		
SNP_58816B_6364	scaffold963	NW_004516301.1	6364	GG	AA	AA	INTERGENIC		
SNP_58817B_6374	scaffold963	NW_004516301.1	6374	AA	GG	GG	INTERGENIC		
SNP_58818B_6458	scaffold963	NW_004516301.1	6458	CC	TT	TT	INTERGENIC		
SNP_58819B_6496	scaffold963	NW_004516301.1	6496	GG	CC	CC	INTERGENIC		
SNP_58820B_6561	scaffold963	NW_004516301.1	6561	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_58821B_6745	scaffold963	NW_004516301.1	6745	AA	GG	GG	INTERGENIC		
SNP_58822B_7043	scaffold963	NW_004516301.1	7043	TT	CC	CC	INTERGENIC		
SNP_58823B_7216	scaffold963	NW_004516301.1	7216	AA	GG	GG	INTERGENIC		
SNP_58824B_7265	scaffold963	NW_004516301.1	7265	TT	CC	CC	INTERGENIC		
SNP_58825B_17126	scaffold963	NW_004516301.1	17126	GG	TT	TT	INTERGENIC		
SNP_58826B_17266	scaffold963	NW_004516301.1	17266	GG	TT	TT	INTERGENIC		
SNP_58827B_17292	scaffold963	NW_004516301.1	17292	AA	TT	TT	INTERGENIC		
SNP_58829B_62381	scaffold963	NW_004516301.1	62381	GG	AA	AA	INTERGENIC		
SNP_58830B_89755	scaffold963	NW_004516301.1	89755	TT	CC	CC	INTERGENIC		
SNP_58831B_89760	scaffold963	NW_004516301.1	89760	AA	CC	CC	INTERGENIC		
SNP_58832B_90012	scaffold963	NW_004516301.1	90012	TT	CC	CC	INTERGENIC		
SNP_58833B_92441	scaffold963	NW_004516301.1	92441	AA	CC	CC	INTERGENIC		
SNP_58834B_93618	scaffold963	NW_004516301.1	93618	TT	CC	CC	INTERGENIC		
SNP_58835B_93619	scaffold963	NW_004516301.1	93619	AA	GG	GG	INTERGENIC		
SNP_58837B_93716	scaffold963	NW_004516301.1	93716	TT	CC	CC	INTERGENIC		
SNP_58838B_93728	scaffold963	NW_004516301.1	93728	TT	GG	GG	INTERGENIC		
SNP_58839B_93730	scaffold963	NW_004516301.1	93730	CC	AA	AA	INTERGENIC		
SNP_58840B_93744	scaffold963	NW_004516301.1	93744	GG	AA	AA	INTERGENIC		
SNP_58841B_93749	scaffold963	NW_004516301.1	93749	GG	AA	AA	INTERGENIC		
SNP_58842B_636	scaffold964	NW_004516302.1	636	GG	AA	AA	INTERGENIC		
SNP_58843B_680	scaffold964	NW_004516302.1	680	AA	TT	TT	INTERGENIC		
SNP_58844B_7084	scaffold964	NW_004516302.1	7084	TT	GG	GG	INTERGENIC		
SNP_58845B_7087	scaffold964	NW_004516302.1	7087	AA	TT	TT	INTERGENIC		
SNP_58846B_7090	scaffold964	NW_004516302.1	7090	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_58847B_10993	scaffold964	NW_004516302.1	10993	GG	AA	AA	INTERGENIC		
SNP_58848B_12586	scaffold964	NW_004516302.1	12586	TT	AA	AA	INTERGENIC		
SNP_58849B_12615	scaffold964	NW_004516302.1	12615	CC	AA	AA	INTERGENIC		
SNP_58850B_32109	scaffold964	NW_004516302.1	32109	GG	TT	TT	INTERGENIC		
SNP_58851B_32122	scaffold964	NW_004516302.1	32122	AA	CC	CC	INTERGENIC		
SNP_58852B_45675	scaffold964	NW_004516302.1	45675	TT	AA	AA	INTERGENIC		
SNP_58853B_45808	scaffold964	NW_004516302.1	45808	CC	AA	AA	INTERGENIC		
SNP_58854B_45869	scaffold964	NW_004516302.1	45869	CC	TT	TT	INTERGENIC		
SNP_58855B_62690	scaffold964	NW_004516302.1	62690	CC	GG	GG	INTERGENIC		
SNP_58856B_62698	scaffold964	NW_004516302.1	62698	GG	TT	TT	INTERGENIC		
SNP_58857B_62787	scaffold964	NW_004516302.1	62787	AA	CC	CC	INTERGENIC		
SNP_58858B_63111	scaffold964	NW_004516302.1	63111	AA	GG	GG	INTERGENIC		
SNP_58859B_72241	scaffold964	NW_004516302.1	72241	CC	TT	TT	INTERGENIC		
SNP_58860B_84913	scaffold964	NW_004516302.1	84913	TT	CC	CC	INTERGENIC		
SNP_58861B_3761	scaffold965	NW_004516303.1	3761	TT	GG	GG	INTERGENIC		
SNP_58862B_1366	scaffold969	NW_004516306.1	1366	CC	AA	AA	INTERGENIC		
SNP_58863B_1375	scaffold969	NW_004516306.1	1375	GG	AA	AA	INTERGENIC		
SNP_58864B_1519	scaffold969	NW_004516306.1	1519	AA	GG	GG	INTERGENIC		
SNP_58865B_342	scaffold971	NW_004516307.1	342	CC	TT	TT	INTERGENIC		
SNP_58866B_527	scaffold971	NW_004516307.1	527	TT	AA	AA	INTERGENIC		
SNP_58867B_553	scaffold971	NW_004516307.1	553	TT	AA	AA	INTERGENIC		
SNP_58868B_573	scaffold971	NW_004516307.1	573	GG	AA	AA	INTERGENIC		
SNP_58869B_3513	scaffold971	NW_004516307.1	3513	GG	AA	AA	INTERGENIC		
SNP_58870B_3517	scaffold971	NW_004516307.1	3517	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_58871B_3539	scaffold971	NW_004516307.1	3539	AA	TT	TT	INTERGENIC		
SNP_58872B_3700	scaffold971	NW_004516307.1	3700	AA	CC	CC	INTERGENIC		
SNP_58873B_3991	scaffold971	NW_004516307.1	3991	GG	AA	AA	INTERGENIC		
SNP_58874B_4019	scaffold971	NW_004516307.1	4019	AA	GG	GG	INTERGENIC		
SNP_58875B_5177	scaffold971	NW_004516307.1	5177	GG	AA	AA	INTERGENIC		
SNP_58876B_5420	scaffold971	NW_004516307.1	5420	AA	GG	GG	INTERGENIC		
SNP_58877B_14796	scaffold971	NW_004516307.1	14796	GG	TT	TT	INTERGENIC		
SNP_58878B_12939	scaffold972	NW_004516308.1	12939	AA	CC	CC	INTERGENIC		
SNP_58880B_3408	scaffold973	NW_004516309.1	3408	TT	AA	AA	INTERGENIC		
SNP_58881B_3696	scaffold973	NW_004516309.1	3696	GG	AA	AA	INTERGENIC		
SNP_58882B_4448	scaffold973	NW_004516309.1	4448	TT	CC	CC	INTERGENIC		
SNP_58883B_2877	scaffold974	NW_004516310.1	2877	TT	CC	CC	INTERGENIC		
SNP_58884B_2953	scaffold974	NW_004516310.1	2953	GG	TT	TT	INTERGENIC		
SNP_58885B_2962	scaffold974	NW_004516310.1	2962	AA	GG	GG	INTERGENIC		
SNP_58886B_3470	scaffold974	NW_004516310.1	3470	GG	CC	CC	INTERGENIC		
SNP_58887B_3491	scaffold974	NW_004516310.1	3491	CC	TT	TT	INTERGENIC		
SNP_58888B_3687	scaffold974	NW_004516310.1	3687	CC	AA	AA	INTERGENIC		
SNP_58889B_3843	scaffold974	NW_004516310.1	3843	TT	AA	AA	INTERGENIC		
SNP_58890B_3844	scaffold974	NW_004516310.1	3844	GG	TT	TT	INTERGENIC		
SNP_58891B_5279	scaffold974	NW_004516310.1	5279	TT	CC	CC	INTERGENIC		
SNP_58892B_13096	scaffold974	NW_004516310.1	13096	TT	CC	CC	INTERGENIC		
SNP_58893B_33867	scaffold974	NW_004516310.1	33867	CC	TT	TT	INTERGENIC		
SNP_58894B_33900	scaffold974	NW_004516310.1	33900	AA	GG	GG	INTERGENIC		
SNP_58895B_33924	scaffold974	NW_004516310.1	33924	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_58896B_33932	scaffold974	NW_004516310.1	33932	TT	CC	CC	INTERGENIC		
SNP_58897B_34240	scaffold974	NW_004516310.1	34240	AA	GG	GG	INTERGENIC		
SNP_58898B_34280	scaffold974	NW_004516310.1	34280	TT	CC	CC	INTERGENIC		
SNP_58899B_394	scaffold977	NW_004516311.1	394	CC	AA	AA	INTERGENIC		
SNP_58900B_471	scaffold977	NW_004516311.1	471	AA	GG	GG	INTERGENIC		
SNP_58901B_480	scaffold977	NW_004516311.1	480	GG	AA	AA	INTERGENIC		
SNP_58902B_602	scaffold977	NW_004516311.1	602	GG	AA	AA	INTERGENIC		
SNP_58903B_3799	scaffold977	NW_004516311.1	3799	CC	AA	AA	INTERGENIC		
SNP_58904B_4607	scaffold977	NW_004516311.1	4607	CC	TT	TT	INTERGENIC		
SNP_58905B_4769	scaffold977	NW_004516311.1	4769	TT	GG	GG	INTERGENIC		
SNP_58906B_4840	scaffold977	NW_004516311.1	4840	CC	GG	GG	INTERGENIC		
SNP_58907B_4994	scaffold977	NW_004516311.1	4994	TT	CC	CC	INTERGENIC		
SNP_58908B_5019	scaffold977	NW_004516311.1	5019	GG	TT	TT	INTERGENIC		
SNP_58909B_5078	scaffold977	NW_004516311.1	5078	AA	CC	CC	INTERGENIC		
SNP_58910B_5081	scaffold977	NW_004516311.1	5081	TT	CC	CC	INTERGENIC		
SNP_58911B_5231	scaffold977	NW_004516311.1	5231	TT	AA	AA	INTERGENIC		
SNP_58912B_6192	scaffold977	NW_004516311.1	6192	TT	CC	CC	INTERGENIC		
SNP_58913B_6201	scaffold977	NW_004516311.1	6201	GG	AA	AA	INTERGENIC		
SNP_58914B_6210	scaffold977	NW_004516311.1	6210	GG	TT	TT	INTERGENIC		
SNP_58915B_6230	scaffold977	NW_004516311.1	6230	AA	CC	CC	INTERGENIC		
SNP_58916B_6534	scaffold977	NW_004516311.1	6534	CC	TT	TT	INTERGENIC		
SNP_58917B_6569	scaffold977	NW_004516311.1	6569	CC	TT	TT	INTERGENIC		
SNP_58918B_6666	scaffold977	NW_004516311.1	6666	TT	AA	AA	INTERGENIC		
SNP_58919B_6773	scaffold977	NW_004516311.1	6773	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_58920B_6787	scaffold977	NW_004516311.1	6787	TT	GG	GG	INTERGENIC		
SNP_58921B_6835	scaffold977	NW_004516311.1	6835	AA	GG	GG	INTERGENIC		
SNP_58922B_2141	scaffold981	NW_004516313.1	2141	AA	GG	GG	INTERGENIC		
SNP_58923B_2144	scaffold981	NW_004516313.1	2144	CC	TT	TT	INTERGENIC		
SNP_58924B_5955	scaffold981	NW_004516313.1	5955	TT	CC	CC	INTERGENIC		
SNP_58925B_6459	scaffold981	NW_004516313.1	6459	AA	CC	CC	INTERGENIC		
SNP_58928B_10135	scaffold981	NW_004516313.1	10135	AA	GG	GG	INTERGENIC		
SNP_58929B_16363	scaffold981	NW_004516313.1	16363	GG	AA	AA	INTERGENIC		
SNP_58930B_18681	scaffold981	NW_004516313.1	18681	TT	CC	CC	INTRON	101492522	60S acidic ribosomal protein P1-like
SNP_58931B_39566	scaffold981	NW_004516313.1	39566	TT	CC	CC	INTRON	101492522	60S acidic ribosomal protein P1-like
SNP_58932B_39700	scaffold981	NW_004516313.1	39700	GG	AA	AA	INTRON	101492522	60S acidic ribosomal protein P1-like
SNP_58933B_39758	scaffold981	NW_004516313.1	39758	AA	GG	GG	INTRON	101492522	60S acidic ribosomal protein P1-like
SNP_58934B_39766	scaffold981	NW_004516313.1	39766	AA	GG	GG	INTRON	101492522	60S acidic ribosomal protein P1-like
SNP_58935B_49714	scaffold981	NW_004516313.1	49714	TT	CC	CC	INTRON	101492522	60S acidic ribosomal protein P1-like
SNP_58936B_49726	scaffold981	NW_004516313.1	49726	TT	AA	AA	INTRON	101492522	60S acidic ribosomal protein P1-like
SNP_58937B_49735	scaffold981	NW_004516313.1	49735	CC	GG	GG	INTRON	101492522	60S acidic ribosomal protein P1-like
SNP_58938B_49740	scaffold981	NW_004516313.1	49740	CC	TT	TT	INTRON	101492522	60S acidic ribosomal protein P1-like
SNP_58939B_49777	scaffold981	NW_004516313.1	49777	TT	CC	CC	INTRON	101492522	60S acidic ribosomal protein P1-like
SNP_58940B_49824	scaffold981	NW_004516313.1	49824	CC	AA	AA	INTRON	101492522	60S acidic ribosomal protein P1-like
SNP_58941B_49926	scaffold981	NW_004516313.1	49926	TT	AA	AA	INTRON	101492522	60S acidic ribosomal protein P1-like
SNP_58942B_49988	scaffold981	NW_004516313.1	49988	CC	TT	TT	INTRON	101492522	60S acidic ribosomal protein P1-like
SNP_58943B_52891	scaffold981	NW_004516313.1	52891	CC	TT	TT	INTRON	101492522	60S acidic ribosomal protein P1-like
SNP_58944B_54063	scaffold981	NW_004516313.1	54063	CC	TT	TT	INTRON	101492522	60S acidic ribosomal protein P1-like
SNP_58945B_73561	scaffold981	NW_004516313.1	73561	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_58946B_77882	scaffold981	NW_004516313.1	77882	TT	CC	CC	INTERGENIC		
SNP_58947B_78041	scaffold981	NW_004516313.1	78041	AA	CC	CC	INTERGENIC		
SNP_58948B_78049	scaffold981	NW_004516313.1	78049	AA	GG	GG	INTERGENIC		
SNP_58949B_78396	scaffold981	NW_004516313.1	78396	TT	CC	CC	INTERGENIC		
SNP_58950B_78615	scaffold981	NW_004516313.1	78615	AA	GG	GG	INTERGENIC		
SNP_58951B_78704	scaffold981	NW_004516313.1	78704	TT	CC	CC	INTERGENIC		
SNP_58952B_79028	scaffold981	NW_004516313.1	79028	AA	GG	GG	INTERGENIC		
SNP_58953B_79320	scaffold981	NW_004516313.1	79320	AA	GG	GG	INTERGENIC		
SNP_58954B_79335	scaffold981	NW_004516313.1	79335	CC	TT	TT	INTERGENIC		
SNP_58955B_79359	scaffold981	NW_004516313.1	79359	AA	GG	GG	INTERGENIC		
SNP_58956B_79361	scaffold981	NW_004516313.1	79361	AA	GG	GG	INTERGENIC		
SNP_58957B_83927	scaffold981	NW_004516313.1	83927	TT	CC	CC	INTRON	id207804	Unknown function
SNP_58958B_84237	scaffold981	NW_004516313.1	84237	TT	AA	AA	URR	101492297	uncharacterized LOC101492297
SNP_58959B_84238	scaffold981	NW_004516313.1	84238	AA	TT	TT	URR	101492297	uncharacterized LOC101492297
SNP_58960B_84265	scaffold981	NW_004516313.1	84265	AA	GG	GG	URR	101492297	uncharacterized LOC101492297
SNP_58961B_84314	scaffold981	NW_004516313.1	84314	AA	CC	CC	URR	101492297	uncharacterized LOC101492297
SNP_58965B_2456	scaffold982	NW_004516314.1	2456	GG	TT	TT	INTERGENIC		
SNP_58966B_2819	scaffold982	NW_004516314.1	2819	TT	AA	AA	INTERGENIC		
SNP_58967B_3235	scaffold982	NW_004516314.1	3235	TT	AA	AA	INTERGENIC		
SNP_58969B_7001	scaffold982	NW_004516314.1	7001	GG	AA	AA	INTERGENIC		
SNP_58970B_13785	scaffold982	NW_004516314.1	13785	GG	AA	AA	INTRON	101492852	cucumisin-like
SNP_58971B_14243	scaffold982	NW_004516314.1	14243	GG	CC	CC	INTRON	101492852	cucumisin-like
SNP_58972B_14553	scaffold982	NW_004516314.1	14553	GG	CC	CC	NON_SYNONYMOUS_CODING	101492852	cucumisin-like
SNP_58973B_14774	scaffold982	NW_004516314.1	14774	GG	TT	TT	URR	101492852	cucumisin-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_58974B_14806	scaffold982	NW_004516314.1	14806	TT	AA	AA	URR	101492852	cucumisin-like
SNP_58975B_14809	scaffold982	NW_004516314.1	14809	CC	AA	AA	URR	101492852	cucumisin-like
SNP_58976B_15039	scaffold982	NW_004516314.1	15039	AA	GG	GG	URR	101492852	cucumisin-like
SNP_58977B_15057	scaffold982	NW_004516314.1	15057	GG	AA	AA	URR	101492852	cucumisin-like
SNP_58979B_15693	scaffold982	NW_004516314.1	15693	TT	GG	GG	URR	101492852	cucumisin-like
SNP_58980B_30190	scaffold983	NW_004516315.1	30190	TT	CC	CC	INTERGENIC		
SNP_58981B_33259	scaffold983	NW_004516315.1	33259	AA	GG	GG	INTERGENIC		
SNP_58984B_33288	scaffold983	NW_004516315.1	33288	AA	TT	TT	INTERGENIC		
SNP_58985B_33338	scaffold983	NW_004516315.1	33338	CC	TT	TT	INTERGENIC		
SNP_58986B_33343	scaffold983	NW_004516315.1	33343	TT	GG	GG	INTERGENIC		
SNP_58987B_66567	scaffold983	NW_004516315.1	66567	AA	GG	GG	NON_SYNONYMOUS_CODING	101494048	SKP1-like protein 21
SNP_58988B_88005	scaffold983	NW_004516315.1	88005	TT	AA	AA	INTERGENIC		
SNP_58989B_88021	scaffold983	NW_004516315.1	88021	AA	GG	GG	INTERGENIC		
SNP_58990B_88174	scaffold983	NW_004516315.1	88174	GG	CC	CC	INTERGENIC		
SNP_58992B_88254	scaffold983	NW_004516315.1	88254	TT	CC	CC	INTERGENIC		
SNP_58993B_88296	scaffold983	NW_004516315.1	88296	CC	TT	TT	INTERGENIC		
SNP_58994B_88343	scaffold983	NW_004516315.1	88343	CC	TT	TT	INTERGENIC		
SNP_58995B_88349	scaffold983	NW_004516315.1	88349	GG	AA	AA	INTERGENIC		
SNP_58997B_88683	scaffold983	NW_004516315.1	88683	TT	AA	AA	INTERGENIC		
SNP_58998B_128346	scaffold983	NW_004516315.1	128346	TT	AA	AA	INTERGENIC		
SNP_58999B_129231	scaffold983	NW_004516315.1	129231	AA	GG	GG	INTERGENIC		
SNP_59000B_129477	scaffold983	NW_004516315.1	129477	GG	TT	TT	INTERGENIC		
SNP_59001B_129500	scaffold983	NW_004516315.1	129500	TT	AA	AA	INTERGENIC		
SNP_59002B_129501	scaffold983	NW_004516315.1	129501	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59003B_141413	scaffold983	NW_004516315.1	141413	TT	GG	GG	INTERGENIC		
SNP_59004B_141568	scaffold983	NW_004516315.1	141568	CC	TT	TT	INTERGENIC		
SNP_59005B_141855	scaffold983	NW_004516315.1	141855	TT	AA	AA	INTERGENIC		
SNP_59007B_169466	scaffold983	NW_004516315.1	169466	GG	AA	AA	INTERGENIC		
SNP_59008B_169580	scaffold983	NW_004516315.1	169580	CC	GG	GG	INTERGENIC		
SNP_59009B_169588	scaffold983	NW_004516315.1	169588	TT	AA	AA	INTERGENIC		
SNP_59010B_169601	scaffold983	NW_004516315.1	169601	AA	CC	CC	INTERGENIC		
SNP_59011B_169618	scaffold983	NW_004516315.1	169618	CC	TT	TT	INTERGENIC		
SNP_59012B_174279	scaffold983	NW_004516315.1	174279	AA	GG	GG	INTERGENIC		
SNP_59013B_174293	scaffold983	NW_004516315.1	174293	GG	AA	AA	INTERGENIC		
SNP_59014B_174407	scaffold983	NW_004516315.1	174407	TT	CC	CC	INTERGENIC		
SNP_59015B_174421	scaffold983	NW_004516315.1	174421	TT	CC	CC	INTERGENIC		
SNP_59016B_174520	scaffold983	NW_004516315.1	174520	AA	GG	GG	INTERGENIC		
SNP_59017B_174522	scaffold983	NW_004516315.1	174522	CC	AA	AA	INTERGENIC		
SNP_59018B_174632	scaffold983	NW_004516315.1	174632	AA	TT	TT	INTERGENIC		
SNP_59020B_254924	scaffold983	NW_004516315.1	254924	CC	TT	TT	INTERGENIC		
SNP_59021B_255047	scaffold983	NW_004516315.1	255047	AA	GG	GG	INTERGENIC		
SNP_59022B_255170	scaffold983	NW_004516315.1	255170	AA	GG	GG	INTERGENIC		
SNP_59024B_255185	scaffold983	NW_004516315.1	255185	CC	TT	TT	INTERGENIC		
SNP_59026B_287716	scaffold983	NW_004516315.1	287716	AA	CC	CC	INTERGENIC		
SNP_59027B_287745	scaffold983	NW_004516315.1	287745	TT	GG	GG	INTERGENIC		
SNP_59028B_287755	scaffold983	NW_004516315.1	287755	GG	TT	TT	INTERGENIC		
SNP_59029B_287771	scaffold983	NW_004516315.1	287771	TT	CC	CC	INTERGENIC		
SNP_59030B_287785	scaffold983	NW_004516315.1	287785	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59031B_287997	scaffold983	NW_004516315.1	287997	AA	TT	TT	INTERGENIC		
SNP_59032B_288036	scaffold983	NW_004516315.1	288036	AA	CC	CC	INTERGENIC		
SNP_59033B_288163	scaffold983	NW_004516315.1	288163	CC	TT	TT	INTERGENIC		
SNP_59034B_290282	scaffold983	NW_004516315.1	290282	AA	TT	TT	INTERGENIC		
SNP_59035B_1314	scaffold984	NW_004516316.1	1314	AA	GG	GG	INTERGENIC		
SNP_59036B_1375	scaffold984	NW_004516316.1	1375	TT	CC	CC	INTERGENIC		
SNP_59037B_1382	scaffold984	NW_004516316.1	1382	TT	AA	AA	INTERGENIC		
SNP_59038B_1435	scaffold984	NW_004516316.1	1435	AA	CC	CC	INTERGENIC		
SNP_59039B_1455	scaffold984	NW_004516316.1	1455	GG	TT	TT	INTERGENIC		
SNP_59040B_2666	scaffold984	NW_004516316.1	2666	TT	CC	CC	INTERGENIC		
SNP_59041B_13700	scaffold984	NW_004516316.1	13700	CC	AA	AA	INTRON	101495314	Unknown function
SNP_59042B_33626	scaffold984	NW_004516316.1	33626	GG	TT	TT	INTRON	101495314	Unknown function
SNP_59043B_33665	scaffold984	NW_004516316.1	33665	TT	CC	CC	INTRON	101495314	Unknown function
SNP_59044B_36131	scaffold984	NW_004516316.1	36131	GG	AA	AA	INTRON	101495314	Unknown function
SNP_59045B_36181	scaffold984	NW_004516316.1	36181	AA	CC	CC	INTRON	101495314	Unknown function
SNP_59046B_36187	scaffold984	NW_004516316.1	36187	GG	AA	AA	INTRON	101495314	Unknown function
SNP_59047B_36424	scaffold984	NW_004516316.1	36424	AA	TT	TT	INTRON	101495314	Unknown function
SNP_59048B_73241	scaffold984	NW_004516316.1	73241	TT	GG	GG	INTRON	101495638	Unknown function
SNP_59049B_77778	scaffold984	NW_004516316.1	77778	TT	AA	AA	INTRON	101495638	Unknown function
SNP_59050B_78163	scaffold984	NW_004516316.1	78163	AA	TT	TT	INTRON	101495638	Unknown function
SNP_59051B_78164	scaffold984	NW_004516316.1	78164	TT	GG	GG	INTRON	101495638	Unknown function
SNP_59052B_78174	scaffold984	NW_004516316.1	78174	CC	AA	AA	INTRON	101495638	Unknown function
SNP_59053B_78179	scaffold984	NW_004516316.1	78179	TT	CC	CC	INTRON	101495638	Unknown function
SNP_59054B_78261	scaffold984	NW_004516316.1	78261	CC	AA	AA	INTRON	101495638	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59055B_78272	scaffold984	NW_004516316.1	78272	AA	GG	GG	INTRON	101495638	Unknown function
SNP_59056B_78309	scaffold984	NW_004516316.1	78309	AA	GG	GG	INTRON	101495638	Unknown function
SNP_59057B_81209	scaffold984	NW_004516316.1	81209	AA	GG	GG	INTRON	101495638	Unknown function
SNP_59058B_92176	scaffold984	NW_004516316.1	92176	TT	CC	CC	INTRON	101495638	Unknown function
SNP_59059B_92257	scaffold984	NW_004516316.1	92257	AA	TT	TT	INTRON	101495638	Unknown function
SNP_59060B_94147	scaffold984	NW_004516316.1	94147	AA	CC	CC	INTRON	101495638	Unknown function
SNP_59061B_94183	scaffold984	NW_004516316.1	94183	GG	CC	CC	INTRON	101495638	Unknown function
SNP_59062B_94216	scaffold984	NW_004516316.1	94216	GG	AA	AA	INTRON	101495638	Unknown function
SNP_59063B_94354	scaffold984	NW_004516316.1	94354	AA	CC	CC	INTRON	101495638	Unknown function
SNP_59064B_128365	scaffold984	NW_004516316.1	128365	TT	AA	AA	INTRON	101495638	Unknown function
SNP_59065B_128370	scaffold984	NW_004516316.1	128370	TT	GG	GG	INTRON	101495638	Unknown function
SNP_59066B_132634	scaffold984	NW_004516316.1	132634	TT	CC	CC	INTRON	101495638	Unknown function
SNP_59067B_132637	scaffold984	NW_004516316.1	132637	AA	GG	GG	INTRON	101495638	Unknown function
SNP_59068B_132680	scaffold984	NW_004516316.1	132680	GG	TT	TT	INTRON	101495638	Unknown function
SNP_59069B_132685	scaffold984	NW_004516316.1	132685	TT	AA	AA	INTRON	101495638	Unknown function
SNP_59071B_16851	scaffold986	NW_004516317.1	16851	TT	AA	AA	INTERGENIC		
SNP_59072B_16875	scaffold986	NW_004516317.1	16875	CC	TT	TT	INTERGENIC		
SNP_59073B_16878	scaffold986	NW_004516317.1	16878	GG	AA	AA	INTERGENIC		
SNP_59074B_16899	scaffold986	NW_004516317.1	16899	AA	GG	GG	INTERGENIC		
SNP_59075B_16942	scaffold986	NW_004516317.1	16942	GG	CC	CC	INTERGENIC		
SNP_59076B_16979	scaffold986	NW_004516317.1	16979	TT	CC	CC	INTERGENIC		
SNP_59077B_17016	scaffold986	NW_004516317.1	17016	TT	CC	CC	INTERGENIC		
SNP_59078B_17033	scaffold986	NW_004516317.1	17033	CC	TT	TT	INTERGENIC		
SNP_59079B_17069	scaffold986	NW_004516317.1	17069	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59080B_17147	scaffold986	NW_004516317.1	17147	TT	CC	CC	INTERGENIC		
SNP_59081B_17204	scaffold986	NW_004516317.1	17204	AA	CC	CC	INTERGENIC		
SNP_59082B_23199	scaffold986	NW_004516317.1	23199	AA	TT	TT	INTERGENIC		
SNP_59083B_23616	scaffold986	NW_004516317.1	23616	TT	AA	AA	INTERGENIC		
SNP_59084B_23650	scaffold986	NW_004516317.1	23650	TT	GG	GG	INTERGENIC		
SNP_59085B_23662	scaffold986	NW_004516317.1	23662	CC	AA	AA	INTERGENIC		
SNP_59086B_23670	scaffold986	NW_004516317.1	23670	GG	AA	AA	INTERGENIC		
SNP_59087B_23698	scaffold986	NW_004516317.1	23698	AA	GG	GG	INTERGENIC		
SNP_59088B_24070	scaffold986	NW_004516317.1	24070	TT	CC	CC	INTERGENIC		
SNP_59089B_36442	scaffold986	NW_004516317.1	36442	GG	AA	AA	INTERGENIC		
SNP_59090B_38117	scaffold986	NW_004516317.1	38117	CC	GG	GG	INTERGENIC		
SNP_59091B_39427	scaffold986	NW_004516317.1	39427	AA	GG	GG	INTERGENIC		
SNP_59092B_39725	scaffold986	NW_004516317.1	39725	TT	GG	GG	INTERGENIC		
SNP_59093B_39811	scaffold986	NW_004516317.1	39811	TT	AA	AA	INTERGENIC		
SNP_59094B_152	scaffold991	NW_004516318.1	152	CC	TT	TT	INTERGENIC		
SNP_59095B_27591	scaffold992	NW_004516319.1	27591	AA	GG	GG	INTERGENIC		
SNP_59096B_32767	scaffold992	NW_004516319.1	32767	CC	TT	TT	INTERGENIC		
SNP_59097B_33062	scaffold992	NW_004516319.1	33062	AA	GG	GG	INTERGENIC		
SNP_59098B_33126	scaffold992	NW_004516319.1	33126	TT	CC	CC	INTERGENIC		
SNP_59099B_33132	scaffold992	NW_004516319.1	33132	GG	AA	AA	INTERGENIC		
SNP_59100B_33147	scaffold992	NW_004516319.1	33147	AA	GG	GG	INTERGENIC		
SNP_59101B_36760	scaffold992	NW_004516319.1	36760	GG	TT	TT	INTERGENIC		
SNP_59102B_36970	scaffold992	NW_004516319.1	36970	CC	TT	TT	INTERGENIC		
SNP_59103B_37007	scaffold992	NW_004516319.1	37007	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59104B_37561	scaffold992	NW_004516319.1	37561	GG	TT	TT	INTERGENIC		
SNP_59105B_40243	scaffold992	NW_004516319.1	40243	AA	CC	CC	INTERGENIC		
SNP_59106B_40259	scaffold992	NW_004516319.1	40259	CC	TT	TT	INTERGENIC		
SNP_59107B_40336	scaffold992	NW_004516319.1	40336	CC	GG	GG	INTERGENIC		
SNP_59108B_40379	scaffold992	NW_004516319.1	40379	AA	GG	GG	INTERGENIC		
SNP_59109B_40387	scaffold992	NW_004516319.1	40387	AA	CC	CC	INTERGENIC		
SNP_59110B_40401	scaffold992	NW_004516319.1	40401	AA	TT	TT	INTERGENIC		
SNP_59111B_40411	scaffold992	NW_004516319.1	40411	TT	GG	GG	INTERGENIC		
SNP_59112B_40434	scaffold992	NW_004516319.1	40434	GG	CC	CC	INTERGENIC		
SNP_59113B_40468	scaffold992	NW_004516319.1	40468	GG	TT	TT	INTERGENIC		
SNP_59115B_40566	scaffold992	NW_004516319.1	40566	CC	GG	GG	INTERGENIC		
SNP_59116B_40617	scaffold992	NW_004516319.1	40617	AA	GG	GG	INTERGENIC		
SNP_59117B_41411	scaffold992	NW_004516319.1	41411	GG	AA	AA	INTERGENIC		
SNP_59118B_41456	scaffold992	NW_004516319.1	41456	TT	AA	AA	INTERGENIC		
SNP_59119B_41909	scaffold992	NW_004516319.1	41909	GG	AA	AA	INTERGENIC		
SNP_59120B_42140	scaffold992	NW_004516319.1	42140	CC	TT	TT	INTERGENIC		
SNP_59121B_42167	scaffold992	NW_004516319.1	42167	GG	AA	AA	INTERGENIC		
SNP_59123B_42349	scaffold992	NW_004516319.1	42349	CC	TT	TT	INTERGENIC		
SNP_59124B_42398	scaffold992	NW_004516319.1	42398	TT	AA	AA	INTERGENIC		
SNP_59125B_42406	scaffold992	NW_004516319.1	42406	TT	CC	CC	INTERGENIC		
SNP_59126B_42505	scaffold992	NW_004516319.1	42505	GG	AA	AA	INTERGENIC		
SNP_59127B_42543	scaffold992	NW_004516319.1	42543	AA	TT	TT	INTERGENIC		
SNP_59128B_42549	scaffold992	NW_004516319.1	42549	TT	GG	GG	INTERGENIC		
SNP_59129B_42551	scaffold992	NW_004516319.1	42551	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59130B_42666	scaffold992	NW_004516319.1	42666	CC	TT	TT	INTERGENIC		
SNP_59131B_44659	scaffold992	NW_004516319.1	44659	TT	AA	AA	INTERGENIC		
SNP_59132B_44699	scaffold992	NW_004516319.1	44699	AA	GG	GG	INTERGENIC		
SNP_59133B_47955	scaffold992	NW_004516319.1	47955	TT	CC	CC	INTERGENIC		
SNP_59134B_48486	scaffold992	NW_004516319.1	48486	CC	TT	TT	INTERGENIC		
SNP_59135B_49467	scaffold992	NW_004516319.1	49467	AA	CC	CC	INTERGENIC		
SNP_59136B_49520	scaffold992	NW_004516319.1	49520	CC	AA	AA	INTERGENIC		
SNP_59137B_49525	scaffold992	NW_004516319.1	49525	TT	CC	CC	INTERGENIC		
SNP_59138B_49601	scaffold992	NW_004516319.1	49601	GG	TT	TT	INTERGENIC		
SNP_59139B_1305	scaffold993	NW_004516320.1	1305	AA	CC	CC	INTERGENIC		
SNP_59140B_1567	scaffold993	NW_004516320.1	1567	AA	CC	CC	INTERGENIC		
SNP_59141B_87346	scaffold996	NW_004516321.1	87346	AA	GG	GG	URR	101496633	uncharacterized LOC101496633
SNP_59142B_87354	scaffold996	NW_004516321.1	87354	TT	CC	CC	URR	101496633	uncharacterized LOC101496633
SNP_59143B_87415	scaffold996	NW_004516321.1	87415	AA	CC	CC	URR	101496633	uncharacterized LOC101496633
SNP_59144B_87701	scaffold996	NW_004516321.1	87701	AA	GG	GG	URR	101496633	uncharacterized LOC101496633
SNP_59145B_87890	scaffold996	NW_004516321.1	87890	AA	CC	CC	URR	101496633	uncharacterized LOC101496633
SNP_59146B_88425	scaffold996	NW_004516321.1	88425	CC	GG	GG	URR	101496633	uncharacterized LOC101496633
SNP_59147B_88738	scaffold996	NW_004516321.1	88738	AA	TT	TT	URR	101496633	uncharacterized LOC101496633
SNP_59148B_89585	scaffold996	NW_004516321.1	89585	CC	TT	TT	INTERGENIC		
SNP_59149B_89672	scaffold996	NW_004516321.1	89672	GG	AA	AA	DRR	101410553	transfer RNA leucine (anticodon UAG)
SNP_59150B_192778	scaffold996	NW_004516321.1	192778	TT	AA	AA	INTERGENIC		
SNP_59151B_192779	scaffold996	NW_004516321.1	192779	CC	TT	TT	INTERGENIC		
SNP_59152B_192789	scaffold996	NW_004516321.1	192789	GG	AA	AA	INTERGENIC		
SNP_59153B_192833	scaffold996	NW_004516321.1	192833	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59154B_192835	scaffold996	NW_004516321.1	192835	AA	GG	GG	INTERGENIC		
SNP_59155B_193181	scaffold996	NW_004516321.1	193181	TT	GG	GG	INTERGENIC		
SNP_59156B_193445	scaffold996	NW_004516321.1	193445	GG	TT	TT	INTERGENIC		
SNP_59157B_193455	scaffold996	NW_004516321.1	193455	AA	GG	GG	INTERGENIC		
SNP_59158B_199473	scaffold996	NW_004516321.1	199473	CC	AA	AA	INTERGENIC		
SNP_59159B_200969	scaffold996	NW_004516321.1	200969	TT	GG	GG	INTERGENIC		
SNP_59160B_201045	scaffold996	NW_004516321.1	201045	GG	AA	AA	INTERGENIC		
SNP_59161B_202604	scaffold996	NW_004516321.1	202604	GG	TT	TT	INTERGENIC		
SNP_59162B_2907	scaffold997	NW_004516322.1	2907	GG	TT	TT	INTERGENIC		
SNP_59163B_2979	scaffold997	NW_004516322.1	2979	AA	GG	GG	INTERGENIC		
SNP_59164B_3015	scaffold997	NW_004516322.1	3015	GG	AA	AA	INTERGENIC		
SNP_59165B_3018	scaffold997	NW_004516322.1	3018	GG	AA	AA	INTERGENIC		
SNP_59166B_3025	scaffold997	NW_004516322.1	3025	AA	GG	GG	INTERGENIC		
SNP_59167B_3030	scaffold997	NW_004516322.1	3030	GG	AA	AA	INTERGENIC		
SNP_59169B_3110	scaffold997	NW_004516322.1	3110	TT	CC	CC	INTERGENIC		
SNP_59171B_3145	scaffold997	NW_004516322.1	3145	TT	CC	CC	INTERGENIC		
SNP_59172B_3212	scaffold997	NW_004516322.1	3212	AA	GG	GG	INTERGENIC		
SNP_59174B_3266	scaffold997	NW_004516322.1	3266	CC	AA	AA	INTERGENIC		
SNP_59175B_12185	scaffold997	NW_004516322.1	12185	AA	TT	TT	INTERGENIC		
SNP_59176B_12208	scaffold997	NW_004516322.1	12208	TT	AA	AA	INTERGENIC		
SNP_59177B_12239	scaffold997	NW_004516322.1	12239	AA	GG	GG	INTERGENIC		
SNP_59178B_12247	scaffold997	NW_004516322.1	12247	CC	TT	TT	INTERGENIC		
SNP_59179B_12642	scaffold997	NW_004516322.1	12642	AA	GG	GG	INTERGENIC		
SNP_59180B_12671	scaffold997	NW_004516322.1	12671	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59182B_13913	scaffold997	NW_004516322.1	13913	AA	GG	GG	INTERGENIC		
SNP_59183B_3164	scaffold998	NW_004516323.1	3164	AA	GG	GG	INTERGENIC		
SNP_59184B_3282	scaffold998	NW_004516323.1	3282	CC	TT	TT	INTERGENIC		
SNP_59185B_36687	scaffold999	NW_004516324.1	36687	AA	GG	GG	INTERGENIC		
SNP_59186B_37060	scaffold999	NW_004516324.1	37060	GG	AA	AA	INTERGENIC		
SNP_59187B_69680	scaffold999	NW_004516324.1	69680	GG	AA	AA	INTERGENIC		
SNP_59188B_69745	scaffold999	NW_004516324.1	69745	TT	AA	AA	INTERGENIC		
SNP_59189B_69825	scaffold999	NW_004516324.1	69825	TT	CC	CC	INTERGENIC		
SNP_59190B_69857	scaffold999	NW_004516324.1	69857	TT	CC	CC	INTERGENIC		
SNP_59191B_69858	scaffold999	NW_004516324.1	69858	TT	CC	CC	INTERGENIC		
SNP_59192B_69905	scaffold999	NW_004516324.1	69905	GG	CC	CC	INTERGENIC		
SNP_59193B_69991	scaffold999	NW_004516324.1	69991	TT	AA	AA	INTERGENIC		
SNP_59194B_70197	scaffold999	NW_004516324.1	70197	TT	GG	GG	INTERGENIC		
SNP_59195B_74642	scaffold999	NW_004516324.1	74642	AA	GG	GG	INTERGENIC		
SNP_59196B_74697	scaffold999	NW_004516324.1	74697	AA	GG	GG	INTERGENIC		
SNP_59197B_74763	scaffold999	NW_004516324.1	74763	AA	CC	CC	INTERGENIC		
SNP_59198B_74983	scaffold999	NW_004516324.1	74983	AA	CC	CC	INTERGENIC		
SNP_59199B_82948	scaffold999	NW_004516324.1	82948	AA	GG	GG	URR	101500422	Unknown function
SNP_59200B_82973	scaffold999	NW_004516324.1	82973	TT	CC	CC	URR	101500422	Unknown function
SNP_59201B_89181	scaffold999	NW_004516324.1	89181	TT	AA	AA	INTERGENIC		
SNP_59202B_115645	scaffold999	NW_004516324.1	115645	CC	AA	AA	INTERGENIC		
SNP_59203B_115825	scaffold999	NW_004516324.1	115825	GG	AA	AA	INTERGENIC		
SNP_59204B_118008	scaffold999	NW_004516324.1	118008	TT	CC	CC	INTERGENIC		
SNP_59205B_123837	scaffold999	NW_004516324.1	123837	GG	AA	AA	DRR	101500733	histidine-rich glycoprotein-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59206B_123838	scaffold999	NW_004516324.1	123838	CC	TT	TT	DRR	101500733	histidine-rich glycoprotein-like
SNP_59207B_124093	scaffold999	NW_004516324.1	124093	CC	TT	TT	SYNONYMOUS_CODING	101500733	histidine-rich glycoprotein-like
SNP_59208B_124098	scaffold999	NW_004516324.1	124098	TT	AA	AA	NON_SYNONYMOUS_CODING	101500733	histidine-rich glycoprotein-like
SNP_59209B_130329	scaffold999	NW_004516324.1	130329	GG	AA	AA	INTERGENIC		
SNP_59211B_130412	scaffold999	NW_004516324.1	130412	CC	TT	TT	INTERGENIC		
SNP_59212B_130436	scaffold999	NW_004516324.1	130436	TT	CC	CC	INTERGENIC		
SNP_59213B_133897	scaffold999	NW_004516324.1	133897	TT	GG	GG	INTERGENIC		
SNP_59214B_134098	scaffold999	NW_004516324.1	134098	TT	AA	AA	INTERGENIC		
SNP_59215B_151734	scaffold999	NW_004516324.1	151734	GG	AA	AA	INTERGENIC		
SNP_59216B_152271	scaffold999	NW_004516324.1	152271	AA	GG	GG	INTERGENIC		
SNP_59217B_9479	scaffold1003	NW_004516326.1	9479	TT	AA	AA	DRR	101501042	deacetoxyvindoline 4-hydroxylase-like
SNP_59218B_9480	scaffold1003	NW_004516326.1	9480	TT	AA	AA	DRR	101501042	deacetoxyvindoline 4-hydroxylase-like
SNP_59219B_11885	scaffold1003	NW_004516326.1	11885	AA	GG	GG	INTRON	101501042	deacetoxyvindoline 4-hydroxylase-like
SNP_59220B_12752	scaffold1003	NW_004516326.1	12752	AA	GG	GG	URR	101501042	deacetoxyvindoline 4-hydroxylase-like
SNP_59221B_12870	scaffold1003	NW_004516326.1	12870	AA	GG	GG	URR	101501042	deacetoxyvindoline 4-hydroxylase-like
SNP_59222B_12981	scaffold1003	NW_004516326.1	12981	GG	CC	CC	URR	101501042	deacetoxyvindoline 4-hydroxylase-like
SNP_59223B_13049	scaffold1003	NW_004516326.1	13049	TT	CC	CC	URR	101501042	deacetoxyvindoline 4-hydroxylase-like
SNP_59224B_13541	scaffold1003	NW_004516326.1	13541	AA	GG	GG	URR	101501042	deacetoxyvindoline 4-hydroxylase-like
SNP_59225B_13689	scaffold1003	NW_004516326.1	13689	TT	CC	CC	URR	101501042	deacetoxyvindoline 4-hydroxylase-like
SNP_59226B_13886	scaffold1003	NW_004516326.1	13886	AA	GG	GG	URR	101501042	deacetoxyvindoline 4-hydroxylase-like
SNP_59227B_13949	scaffold1003	NW_004516326.1	13949	TT	GG	GG	URR	101501042	deacetoxyvindoline 4-hydroxylase-like
SNP_59228B_13966	scaffold1003	NW_004516326.1	13966	AA	CC	CC	URR	101501042	deacetoxyvindoline 4-hydroxylase-like
SNP_59229B_14134	scaffold1003	NW_004516326.1	14134	CC	GG	GG	URR	101501042	deacetoxyvindoline 4-hydroxylase-like
SNP_59230B_14146	scaffold1003	NW_004516326.1	14146	CC	AA	AA	URR	101501042	deacetoxyvindoline 4-hydroxylase-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59231B_14559	scaffold1003	NW_004516326.1	14559	CC	AA	AA	INTERGENIC		
SNP_59232B_15771	scaffold1003	NW_004516326.1	15771	TT	AA	AA	INTERGENIC		
SNP_59233B_41321	scaffold1003	NW_004516326.1	41321	AA	GG	GG	INTERGENIC		
SNP_59236B_41558	scaffold1003	NW_004516326.1	41558	TT	CC	CC	INTERGENIC		
SNP_59237B_41614	scaffold1003	NW_004516326.1	41614	GG	AA	AA	INTERGENIC		
SNP_59238B_41889	scaffold1003	NW_004516326.1	41889	TT	CC	CC	INTERGENIC		
SNP_59240B_409	scaffold1004	NW_004516327.1	409	CC	AA	AA	INTERGENIC		
SNP_59241B_62388	scaffold1006	NW_004516329.1	62388	TT	AA	AA	INTERGENIC		
SNP_59242B_62436	scaffold1006	NW_004516329.1	62436	AA	GG	GG	INTERGENIC		
SNP_59243B_68011	scaffold1006	NW_004516329.1	68011	AA	GG	GG	INTERGENIC		
SNP_59245B_109503	scaffold1006	NW_004516329.1	109503	GG	AA	AA	INTERGENIC		
SNP_59247B_109765	scaffold1006	NW_004516329.1	109765	TT	CC	CC	INTERGENIC		
SNP_59248B_109793	scaffold1006	NW_004516329.1	109793	CC	TT	TT	INTERGENIC		
SNP_59249B_109794	scaffold1006	NW_004516329.1	109794	AA	TT	TT	INTERGENIC		
SNP_59250B_109836	scaffold1006	NW_004516329.1	109836	GG	AA	AA	INTERGENIC		
SNP_59251B_109878	scaffold1006	NW_004516329.1	109878	TT	GG	GG	INTERGENIC		
SNP_59252B_109912	scaffold1006	NW_004516329.1	109912	CC	TT	TT	INTERGENIC		
SNP_59253B_126249	scaffold1006	NW_004516329.1	126249	TT	CC	CC	INTRON	101492184	TMV resistance protein N-like
SNP_59254B_126274	scaffold1006	NW_004516329.1	126274	TT	AA	AA	INTRON	101492184	TMV resistance protein N-like
SNP_59255B_126420	scaffold1006	NW_004516329.1	126420	CC	TT	TT	INTRON	101492184	TMV resistance protein N-like
SNP_59256B_126545	scaffold1006	NW_004516329.1	126545	TT	CC	CC	INTRON	101492184	TMV resistance protein N-like
SNP_59257B_126547	scaffold1006	NW_004516329.1	126547	GG	CC	CC	INTRON	101492184	TMV resistance protein N-like
SNP_59258B_126840	scaffold1006	NW_004516329.1	126840	CC	TT	TT	INTRON	101492184	TMV resistance protein N-like
SNP_59259B_127083	scaffold1006	NW_004516329.1	127083	CC	TT	TT	INTRON	101492184	TMV resistance protein N-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59260B_127567	scaffold1006	NW_004516329.1	127567	AA	GG	GG	INTRON	101492184	TMV resistance protein N-like
SNP_59261B_127569	scaffold1006	NW_004516329.1	127569	AA	GG	GG	INTRON	101492184	TMV resistance protein N-like
SNP_59262B_127639	scaffold1006	NW_004516329.1	127639	GG	AA	AA	INTRON	101492184	TMV resistance protein N-like
SNP_59263B_127705	scaffold1006	NW_004516329.1	127705	CC	TT	TT	INTRON	101492184	TMV resistance protein N-like
SNP_59264B_127829	scaffold1006	NW_004516329.1	127829	GG	TT	TT	INTRON	101492184	TMV resistance protein N-like
SNP_59265B_127846	scaffold1006	NW_004516329.1	127846	AA	TT	TT	INTRON	101492184	TMV resistance protein N-like
SNP_59266B_127911	scaffold1006	NW_004516329.1	127911	TT	CC	CC	INTRON	101492184	TMV resistance protein N-like
SNP_59267B_127971	scaffold1006	NW_004516329.1	127971	CC	TT	AA	INTRON	101492184	TMV resistance protein N-like
SNP_59268B_128096	scaffold1006	NW_004516329.1	128096	GG	TT	TT	INTRON	101492184	TMV resistance protein N-like
SNP_59269B_165451	scaffold1006	NW_004516329.1	165451	CC	TT	TT	INTERGENIC		
SNP_59270B_165479	scaffold1006	NW_004516329.1	165479	TT	CC	CC	INTERGENIC		
SNP_59271B_165502	scaffold1006	NW_004516329.1	165502	CC	AA	AA	INTERGENIC		
SNP_59272B_196865	scaffold1006	NW_004516329.1	196865	TT	CC	CC	DRR	101493186	Unknown function
SNP_59273B_196876	scaffold1006	NW_004516329.1	196876	AA	GG	GG	DRR	101493186	Unknown function
SNP_59275B_348014	scaffold1006	NW_004516329.1	348014	AA	GG	GG	INTERGENIC		
SNP_59276B_377834	scaffold1006	NW_004516329.1	377834	TT	CC	CC	INTERGENIC		
SNP_59277B_400007	scaffold1006	NW_004516329.1	400007	CC	AA	AA	INTERGENIC		
SNP_59278B_546829	scaffold1006	NW_004516329.1	546829	AA	GG	GG	INTERGENIC		
SNP_59280B_559116	scaffold1006	NW_004516329.1	559116	AA	GG	GG	INTERGENIC		
SNP_59281B_559210	scaffold1006	NW_004516329.1	559210	CC	TT	TT	INTERGENIC		
SNP_59282B_559403	scaffold1006	NW_004516329.1	559403	AA	GG	GG	INTERGENIC		
SNP_59283B_559480	scaffold1006	NW_004516329.1	559480	GG	TT	TT	INTERGENIC		
SNP_59284B_567566	scaffold1006	NW_004516329.1	567566	GG	AA	AA	INTERGENIC		
SNP_59285B_567575	scaffold1006	NW_004516329.1	567575	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59286B_567867	scaffold1006	NW_004516329.1	567867	TT	CC	CC	INTERGENIC		
SNP_59287B_567972	scaffold1006	NW_004516329.1	567972	GG	AA	AA	INTERGENIC		
SNP_59288B_578296	scaffold1006	NW_004516329.1	578296	TT	CC	CC	DRR	101494775	uncharacterized LOC101494775
SNP_59289B_578298	scaffold1006	NW_004516329.1	578298	AA	TT	TT	DRR	101494775	uncharacterized LOC101494775
SNP_59290B_578299	scaffold1006	NW_004516329.1	578299	TT	CC	CC	DRR	101494775	uncharacterized LOC101494775
SNP_59291B_578359	scaffold1006	NW_004516329.1	578359	GG	AA	AA	DRR	101494775	uncharacterized LOC101494775
SNP_59292B_578512	scaffold1006	NW_004516329.1	578512	GG	CC	CC	DRR	101494775	uncharacterized LOC101494775
SNP_59293B_578610	scaffold1006	NW_004516329.1	578610	GG	AA	AA	DRR	101494775	uncharacterized LOC101494775
SNP_59295B_12134	scaffold1008	NW_004516331.1	12134	CC	TT	TT	INTERGENIC		
SNP_59296B_12327	scaffold1008	NW_004516331.1	12327	AA	GG	GG	INTERGENIC		
SNP_59297B_12349	scaffold1008	NW_004516331.1	12349	TT	CC	CC	INTERGENIC		
SNP_59298B_12385	scaffold1008	NW_004516331.1	12385	CC	TT	TT	INTERGENIC		
SNP_59299B_12584	scaffold1008	NW_004516331.1	12584	TT	CC	CC	INTERGENIC		
SNP_59300B_12626	scaffold1008	NW_004516331.1	12626	TT	GG	GG	INTERGENIC		
SNP_59302B_12723	scaffold1008	NW_004516331.1	12723	AA	GG	GG	INTERGENIC		
SNP_59303B_12734	scaffold1008	NW_004516331.1	12734	CC	AA	AA	INTERGENIC		
SNP_59304B_13314	scaffold1008	NW_004516331.1	13314	GG	AA	AA	INTERGENIC		
SNP_59305B_13398	scaffold1008	NW_004516331.1	13398	TT	AA	AA	INTERGENIC		
SNP_59306B_13414	scaffold1008	NW_004516331.1	13414	TT	CC	CC	INTERGENIC		
SNP_59307B_13428	scaffold1008	NW_004516331.1	13428	CC	AA	AA	INTERGENIC		
SNP_59308B_13433	scaffold1008	NW_004516331.1	13433	TT	CC	CC	INTERGENIC		
SNP_59309B_14667	scaffold1008	NW_004516331.1	14667	CC	TT	TT	INTERGENIC		
SNP_59310B_14680	scaffold1008	NW_004516331.1	14680	TT	CC	CC	INTERGENIC		
SNP_59311B_14738	scaffold1008	NW_004516331.1	14738	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59312B_14816	scaffold1008	NW_004516331.1	14816	AA	GG	GG	INTERGENIC		
SNP_59313B_22997	scaffold1008	NW_004516331.1	22997	AA	GG	GG	INTERGENIC		
SNP_59314B_23023	scaffold1008	NW_004516331.1	23023	TT	GG	GG	INTERGENIC		
SNP_59315B_42259	scaffold1008	NW_004516331.1	42259	GG	AA	AA	INTERGENIC		
SNP_59316B_42260	scaffold1008	NW_004516331.1	42260	CC	TT	TT	INTERGENIC		
SNP_59317B_42269	scaffold1008	NW_004516331.1	42269	GG	AA	AA	INTERGENIC		
SNP_59318B_42303	scaffold1008	NW_004516331.1	42303	AA	CC	CC	INTERGENIC		
SNP_59319B_42331	scaffold1008	NW_004516331.1	42331	TT	CC	CC	INTERGENIC		
SNP_59320B_42506	scaffold1008	NW_004516331.1	42506	AA	CC	CC	INTERGENIC		
SNP_59321B_42531	scaffold1008	NW_004516331.1	42531	AA	GG	GG	INTERGENIC		
SNP_59322B_42661	scaffold1008	NW_004516331.1	42661	CC	TT	TT	INTERGENIC		
SNP_59323B_42754	scaffold1008	NW_004516331.1	42754	CC	TT	TT	INTERGENIC		
SNP_59324B_42769	scaffold1008	NW_004516331.1	42769	GG	TT	TT	INTERGENIC		
SNP_59325B_54397	scaffold1008	NW_004516331.1	54397	GG	CC	CC	INTERGENIC		
SNP_59326B_54398	scaffold1008	NW_004516331.1	54398	CC	TT	TT	INTERGENIC		
SNP_59327B_59822	scaffold1008	NW_004516331.1	59822	GG	TT	TT	INTERGENIC		
SNP_59328B_61681	scaffold1008	NW_004516331.1	61681	CC	AA	AA	INTERGENIC		
SNP_59329B_61912	scaffold1008	NW_004516331.1	61912	GG	TT	TT	INTERGENIC		
SNP_59330B_61975	scaffold1008	NW_004516331.1	61975	AA	TT	TT	INTERGENIC		
SNP_59331B_62025	scaffold1008	NW_004516331.1	62025	TT	CC	CC	INTERGENIC		
SNP_59332B_62043	scaffold1008	NW_004516331.1	62043	CC	AA	AA	INTERGENIC		
SNP_59333B_62058	scaffold1008	NW_004516331.1	62058	AA	GG	GG	INTERGENIC		
SNP_59334B_62077	scaffold1008	NW_004516331.1	62077	GG	AA	AA	INTERGENIC		
SNP_59335B_80685	scaffold1008	NW_004516331.1	80685	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59336B_827	scaffold1010	NW_004516333.1	827	AA	TT	TT	INTERGENIC		
SNP_59337B_843	scaffold1010	NW_004516333.1	843	TT	CC	CC	INTERGENIC		
SNP_59338B_44753	scaffold1010	NW_004516333.1	44753	AA	GG	GG	INTRON	101497176	uncharacterized LOC101497176
SNP_59339B_44803	scaffold1010	NW_004516333.1	44803	AA	GG	GG	INTRON	101497176	uncharacterized LOC101497176
SNP_59340B_52771	scaffold1010	NW_004516333.1	52771	TT	AA	AA	INTERGENIC		
SNP_59342B_53160	scaffold1010	NW_004516333.1	53160	TT	GG	GG	INTERGENIC		
SNP_59343B_93903	scaffold1010	NW_004516333.1	93903	TT	CC	CC	INTERGENIC		
SNP_59344B_94219	scaffold1010	NW_004516333.1	94219	TT	GG	GG	INTERGENIC		
SNP_59345B_155119	scaffold1010	NW_004516333.1	155119	CC	TT	TT	INTERGENIC		
SNP_59346B_155352	scaffold1010	NW_004516333.1	155352	GG	AA	AA	INTERGENIC		
SNP_59347B_155393	scaffold1010	NW_004516333.1	155393	GG	AA	AA	INTERGENIC		
SNP_59349B_155534	scaffold1010	NW_004516333.1	155534	AA	CC	CC	INTERGENIC		
SNP_59350B_155704	scaffold1010	NW_004516333.1	155704	TT	AA	AA	INTERGENIC		
SNP_59351B_155720	scaffold1010	NW_004516333.1	155720	CC	TT	TT	INTERGENIC		
SNP_59352B_155799	scaffold1010	NW_004516333.1	155799	CC	TT	TT	INTERGENIC		
SNP_59353B_158094	scaffold1010	NW_004516333.1	158094	TT	CC	CC	INTERGENIC		
SNP_59354B_158096	scaffold1010	NW_004516333.1	158096	GG	AA	AA	INTERGENIC		
SNP_59355B_158122	scaffold1010	NW_004516333.1	158122	GG	CC	CC	INTERGENIC		
SNP_59356B_158198	scaffold1010	NW_004516333.1	158198	AA	CC	CC	INTERGENIC		
SNP_59357B_161249	scaffold1010	NW_004516333.1	161249	AA	GG	GG	INTERGENIC		
SNP_59358B_365	scaffold1017	NW_004516337.1	365	AA	TT	TT	INTERGENIC		
SNP_59359B_10732	scaffold1017	NW_004516337.1	10732	TT	AA	AA	INTERGENIC		
SNP_59360B_12879	scaffold1017	NW_004516337.1	12879	GG	CC	CC	INTERGENIC		
SNP_59361B_12929	scaffold1017	NW_004516337.1	12929	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59362B_12931	scaffold1017	NW_004516337.1	12931	TT	CC	CC	INTERGENIC		
SNP_59363B_13050	scaffold1017	NW_004516337.1	13050	GG	CC	CC	INTERGENIC		
SNP_59364B_13051	scaffold1017	NW_004516337.1	13051	CC	TT	TT	INTERGENIC		
SNP_59365B_13067	scaffold1017	NW_004516337.1	13067	TT	CC	CC	INTERGENIC		
SNP_59366B_13129	scaffold1017	NW_004516337.1	13129	TT	GG	GG	INTERGENIC		
SNP_59367B_13136	scaffold1017	NW_004516337.1	13136	AA	TT	TT	INTERGENIC		
SNP_59368B_13143	scaffold1017	NW_004516337.1	13143	CC	TT	TT	INTERGENIC		
SNP_59369B_13449	scaffold1017	NW_004516337.1	13449	GG	AA	AA	INTERGENIC		
SNP_59370B_13532	scaffold1017	NW_004516337.1	13532	AA	CC	CC	INTERGENIC		
SNP_59371B_13776	scaffold1017	NW_004516337.1	13776	GG	CC	CC	INTERGENIC		
SNP_59372B_13811	scaffold1017	NW_004516337.1	13811	CC	TT	TT	INTERGENIC		
SNP_59373B_13831	scaffold1017	NW_004516337.1	13831	GG	TT	TT	INTERGENIC		
SNP_59374B_13881	scaffold1017	NW_004516337.1	13881	GG	AA	AA	INTERGENIC		
SNP_59375B_13984	scaffold1017	NW_004516337.1	13984	TT	CC	CC	INTERGENIC		
SNP_59376B_14007	scaffold1017	NW_004516337.1	14007	CC	TT	TT	INTERGENIC		
SNP_59377B_14067	scaffold1017	NW_004516337.1	14067	CC	TT	TT	INTERGENIC		
SNP_59378B_14106	scaffold1017	NW_004516337.1	14106	TT	CC	CC	INTERGENIC		
SNP_59379B_14272	scaffold1017	NW_004516337.1	14272	GG	AA	AA	INTERGENIC		
SNP_59380B_14304	scaffold1017	NW_004516337.1	14304	TT	CC	CC	INTERGENIC		
SNP_59381B_19303	scaffold1017	NW_004516337.1	19303	CC	AA	AA	INTERGENIC		
SNP_59382B_19516	scaffold1017	NW_004516337.1	19516	CC	GG	GG	INTERGENIC		
SNP_59383B_19557	scaffold1017	NW_004516337.1	19557	TT	GG	GG	INTERGENIC		
SNP_59384B_19577	scaffold1017	NW_004516337.1	19577	TT	GG	GG	INTERGENIC		
SNP_59385B_19621	scaffold1017	NW_004516337.1	19621	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59386B_19623	scaffold1017	NW_004516337.1	19623	GG	AA	AA	INTERGENIC		
SNP_59387B_19642	scaffold1017	NW_004516337.1	19642	CC	AA	AA	INTERGENIC		
SNP_59388B_19717	scaffold1017	NW_004516337.1	19717	CC	AA	AA	INTERGENIC		
SNP_59389B_19925	scaffold1017	NW_004516337.1	19925	AA	CC	CC	INTERGENIC		
SNP_59390B_20912	scaffold1017	NW_004516337.1	20912	AA	CC	CC	INTERGENIC		
SNP_59391B_26988	scaffold1017	NW_004516337.1	26988	CC	TT	TT	INTERGENIC		
SNP_59392B_28022	scaffold1017	NW_004516337.1	28022	GG	AA	AA	INTERGENIC		
SNP_59393B_29649	scaffold1017	NW_004516337.1	29649	CC	GG	GG	INTERGENIC		
SNP_59394B_29722	scaffold1017	NW_004516337.1	29722	CC	TT	TT	INTERGENIC		
SNP_59395B_29731	scaffold1017	NW_004516337.1	29731	GG	TT	TT	INTERGENIC		
SNP_59396B_29947	scaffold1017	NW_004516337.1	29947	CC	AA	AA	INTERGENIC		
SNP_59397B_30015	scaffold1017	NW_004516337.1	30015	AA	GG	GG	INTERGENIC		
SNP_59398B_30025	scaffold1017	NW_004516337.1	30025	AA	CC	CC	INTERGENIC		
SNP_59399B_30094	scaffold1017	NW_004516337.1	30094	AA	TT	TT	INTERGENIC		
SNP_59400B_30266	scaffold1017	NW_004516337.1	30266	AA	TT	TT	INTERGENIC		
SNP_59401B_30320	scaffold1017	NW_004516337.1	30320	CC	GG	GG	INTERGENIC		
SNP_59402B_32306	scaffold1017	NW_004516337.1	32306	CC	TT	TT	INTERGENIC		
SNP_59403B_32500	scaffold1017	NW_004516337.1	32500	AA	GG	GG	INTERGENIC		
SNP_59404B_32501	scaffold1017	NW_004516337.1	32501	AA	TT	TT	INTERGENIC		
SNP_59405B_32922	scaffold1017	NW_004516337.1	32922	TT	CC	CC	INTERGENIC		
SNP_59406B_38563	scaffold1017	NW_004516337.1	38563	CC	AA	AA	INTERGENIC		
SNP_59407B_38578	scaffold1017	NW_004516337.1	38578	GG	AA	AA	INTERGENIC		
SNP_59408B_38606	scaffold1017	NW_004516337.1	38606	GG	AA	AA	INTERGENIC		
SNP_59409B_38728	scaffold1017	NW_004516337.1	38728	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59410B_38729	scaffold1017	NW_004516337.1	38729	TT	AA	AA	INTERGENIC		
SNP_59411B_39022	scaffold1017	NW_004516337.1	39022	CC	TT	TT	INTERGENIC		
SNP_59412B_39959	scaffold1017	NW_004516337.1	39959	CC	AA	AA	INTERGENIC		
SNP_59413B_40479	scaffold1017	NW_004516337.1	40479	GG	AA	AA	INTERGENIC		
SNP_59414B_42450	scaffold1017	NW_004516337.1	42450	AA	TT	TT	INTERGENIC		
SNP_59415B_42574	scaffold1017	NW_004516337.1	42574	GG	AA	AA	INTERGENIC		
SNP_59416B_42773	scaffold1017	NW_004516337.1	42773	AA	TT	TT	INTERGENIC		
SNP_59417B_42864	scaffold1017	NW_004516337.1	42864	TT	AA	AA	INTERGENIC		
SNP_59418B_43450	scaffold1017	NW_004516337.1	43450	CC	TT	TT	INTERGENIC		
SNP_59419B_43557	scaffold1017	NW_004516337.1	43557	CC	GG	GG	INTERGENIC		
SNP_59420B_43971	scaffold1017	NW_004516337.1	43971	TT	AA	AA	INTERGENIC		
SNP_59421B_50381	scaffold1017	NW_004516337.1	50381	CC	TT	TT	INTERGENIC		
SNP_59422B_767	scaffold1020	NW_004516338.1	767	AA	GG	GG	INTERGENIC		
SNP_59423B_1225	scaffold1020	NW_004516338.1	1225	GG	CC	CC	INTERGENIC		
SNP_59424B_1372	scaffold1020	NW_004516338.1	1372	AA	GG	GG	INTERGENIC		
SNP_59425B_1374	scaffold1020	NW_004516338.1	1374	GG	AA	AA	INTERGENIC		
SNP_59426B_1402	scaffold1020	NW_004516338.1	1402	AA	GG	GG	INTERGENIC		
SNP_59427B_1572	scaffold1020	NW_004516338.1	1572	AA	GG	GG	INTERGENIC		
SNP_59428B_1785	scaffold1020	NW_004516338.1	1785	AA	CC	CC	INTERGENIC		
SNP_59429B_1813	scaffold1020	NW_004516338.1	1813	GG	AA	AA	INTERGENIC		
SNP_59430B_21967	scaffold1020	NW_004516338.1	21967	GG	CC	CC	INTERGENIC		
SNP_59431B_72535	scaffold1020	NW_004516338.1	72535	CC	AA	AA	INTERGENIC		
SNP_59432B_72738	scaffold1020	NW_004516338.1	72738	CC	TT	TT	INTERGENIC		
SNP_59433B_72750	scaffold1020	NW_004516338.1	72750	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59434B_91580	scaffold1020	NW_004516338.1	91580	AA	CC	CC	INTERGENIC		
SNP_59435B_93302	scaffold1020	NW_004516338.1	93302	GG	AA	AA	INTERGENIC		
SNP_59436B_93693	scaffold1020	NW_004516338.1	93693	AA	GG	GG	INTERGENIC		
SNP_59437B_93701	scaffold1020	NW_004516338.1	93701	CC	TT	TT	INTERGENIC		
SNP_59438B_93713	scaffold1020	NW_004516338.1	93713	AA	GG	GG	INTERGENIC		
SNP_59439B_93743	scaffold1020	NW_004516338.1	93743	GG	AA	AA	INTERGENIC		
SNP_59440B_127815	scaffold1020	NW_004516338.1	127815	TT	CC	CC	INTERGENIC		
SNP_59441B_127824	scaffold1020	NW_004516338.1	127824	AA	CC	CC	INTERGENIC		
SNP_59442B_127825	scaffold1020	NW_004516338.1	127825	TT	CC	CC	INTERGENIC		
SNP_59443B_127843	scaffold1020	NW_004516338.1	127843	TT	CC	CC	INTERGENIC		
SNP_59444B_127855	scaffold1020	NW_004516338.1	127855	CC	TT	TT	INTERGENIC		
SNP_59445B_127864	scaffold1020	NW_004516338.1	127864	GG	AA	AA	INTERGENIC		
SNP_59448B_158475	scaffold1020	NW_004516338.1	158475	CC	AA	AA	INTERGENIC		
SNP_59449B_158518	scaffold1020	NW_004516338.1	158518	GG	AA	AA	INTERGENIC		
SNP_59450B_158524	scaffold1020	NW_004516338.1	158524	AA	GG	GG	INTERGENIC		
SNP_59451B_177098	scaffold1020	NW_004516338.1	177098	CC	AA	AA	INTERGENIC		
SNP_59452B_177202	scaffold1020	NW_004516338.1	177202	GG	TT	TT	INTERGENIC		
SNP_59453B_177536	scaffold1020	NW_004516338.1	177536	TT	CC	CC	INTERGENIC		
SNP_59454B_177553	scaffold1020	NW_004516338.1	177553	AA	GG	GG	INTERGENIC		
SNP_59455B_229381	scaffold1020	NW_004516338.1	229381	TT	GG	GG	INTERGENIC		
SNP_59456B_246888	scaffold1020	NW_004516338.1	246888	GG	AA	AA	INTERGENIC		
SNP_59457B_246890	scaffold1020	NW_004516338.1	246890	CC	TT	TT	INTERGENIC		
SNP_59458B_275372	scaffold1020	NW_004516338.1	275372	CC	TT	TT	INTERGENIC		
SNP_59459B_337777	scaffold1020	NW_004516338.1	337777	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59460B_77876	scaffold1027	NW_004516343.1	77876	TT	CC	CC	INTERGENIC		
SNP_59461B_77887	scaffold1027	NW_004516343.1	77887	CC	TT	TT	INTERGENIC		
SNP_59462B_77928	scaffold1027	NW_004516343.1	77928	TT	CC	CC	INTERGENIC		
SNP_59463B_77974	scaffold1027	NW_004516343.1	77974	TT	GG	GG	INTERGENIC		
SNP_59464B_78000	scaffold1027	NW_004516343.1	78000	TT	AA	AA	INTERGENIC		
SNP_59465B_99230	scaffold1027	NW_004516343.1	99230	GG	AA	AA	INTERGENIC		
SNP_59466B_109895	scaffold1027	NW_004516343.1	109895	AA	GG	GG	INTERGENIC		
SNP_59467B_148413	scaffold1027	NW_004516343.1	148413	CC	TT	TT	INTERGENIC		
SNP_59468B_148527	scaffold1027	NW_004516343.1	148527	CC	TT	TT	INTERGENIC		
SNP_59469B_148551	scaffold1027	NW_004516343.1	148551	GG	AA	AA	INTERGENIC		
SNP_59470B_148557	scaffold1027	NW_004516343.1	148557	AA	GG	GG	INTERGENIC		
SNP_59471B_148590	scaffold1027	NW_004516343.1	148590	CC	TT	TT	INTERGENIC		
SNP_59472B_148700	scaffold1027	NW_004516343.1	148700	TT	CC	CC	INTERGENIC		
SNP_59474B_148744	scaffold1027	NW_004516343.1	148744	AA	GG	GG	INTERGENIC		
SNP_59475B_148781	scaffold1027	NW_004516343.1	148781	GG	AA	AA	INTERGENIC		
SNP_59476B_148787	scaffold1027	NW_004516343.1	148787	TT	CC	CC	INTERGENIC		
SNP_59477B_148790	scaffold1027	NW_004516343.1	148790	TT	CC	CC	INTERGENIC		
SNP_59478B_148791	scaffold1027	NW_004516343.1	148791	AA	CC	CC	INTERGENIC		
SNP_59479B_148793	scaffold1027	NW_004516343.1	148793	AA	GG	GG	INTERGENIC		
SNP_59480B_148824	scaffold1027	NW_004516343.1	148824	AA	GG	GG	INTERGENIC		
SNP_59481B_148829	scaffold1027	NW_004516343.1	148829	AA	GG	GG	INTERGENIC		
SNP_59482B_148853	scaffold1027	NW_004516343.1	148853	TT	CC	CC	INTERGENIC		
SNP_59483B_148889	scaffold1027	NW_004516343.1	148889	GG	AA	AA	INTERGENIC		
SNP_59484B_148934	scaffold1027	NW_004516343.1	148934	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59486B_148958	scaffold1027	NW_004516343.1	148958	AA	GG	GG	INTERGENIC		
SNP_59487B_149006	scaffold1027	NW_004516343.1	149006	GG	AA	AA	INTERGENIC		
SNP_59488B_149021	scaffold1027	NW_004516343.1	149021	CC	TT	TT	INTERGENIC		
SNP_59489B_149045	scaffold1027	NW_004516343.1	149045	TT	CC	CC	INTERGENIC		
SNP_59490B_149054	scaffold1027	NW_004516343.1	149054	TT	CC	CC	INTERGENIC		
SNP_59491B_150121	scaffold1027	NW_004516343.1	150121	TT	GG	GG	INTERGENIC		
SNP_59492B_190902	scaffold1027	NW_004516343.1	190902	CC	GG	GG	INTERGENIC		
SNP_59493B_193259	scaffold1027	NW_004516343.1	193259	CC	AA	AA	INTERGENIC		
SNP_59495B_203982	scaffold1027	NW_004516343.1	203982	CC	TT	TT	INTERGENIC		
SNP_59496B_204254	scaffold1027	NW_004516343.1	204254	CC	AA	AA	INTERGENIC		
SNP_59497B_204275	scaffold1027	NW_004516343.1	204275	CC	TT	TT	INTERGENIC		
SNP_59498B_204284	scaffold1027	NW_004516343.1	204284	CC	TT	TT	INTERGENIC		
SNP_59499B_212761	scaffold1027	NW_004516343.1	212761	TT	CC	CC	INTERGENIC		
SNP_59500B_219582	scaffold1027	NW_004516343.1	219582	GG	AA	AA	INTERGENIC		
SNP_59501B_219629	scaffold1027	NW_004516343.1	219629	GG	TT	TT	INTERGENIC		
SNP_59502B_113	scaffold1029	NW_004516344.1	113	GG	AA	AA	INTERGENIC		
SNP_59504B_182	scaffold1029	NW_004516344.1	182	AA	GG	GG	INTERGENIC		
SNP_59505B_184	scaffold1029	NW_004516344.1	184	TT	GG	GG	INTERGENIC		
SNP_59506B_196	scaffold1029	NW_004516344.1	196	TT	CC	CC	INTERGENIC		
SNP_59507B_26909	scaffold1029	NW_004516344.1	26909	CC	TT	TT	INTERGENIC		
SNP_59508B_41756	scaffold1029	NW_004516344.1	41756	AA	GG	GG	INTERGENIC		
SNP_59509B_56618	scaffold1029	NW_004516344.1	56618	GG	CC	CC	INTERGENIC		
SNP_59510B_66642	scaffold1029	NW_004516344.1	66642	GG	TT	TT	INTERGENIC		
SNP_59511B_67795	scaffold1029	NW_004516344.1	67795	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59512B_89701	scaffold1029	NW_004516344.1	89701	GG	AA	AA	INTERGENIC		
SNP_59513B_110631	scaffold1029	NW_004516344.1	110631	CC	TT	TT	INTERGENIC		
SNP_59514B_110685	scaffold1029	NW_004516344.1	110685	TT	CC	CC	INTERGENIC		
SNP_59515B_110686	scaffold1029	NW_004516344.1	110686	CC	TT	TT	INTERGENIC		
SNP_59516B_110707	scaffold1029	NW_004516344.1	110707	AA	GG	GG	INTERGENIC		
SNP_59517B_110720	scaffold1029	NW_004516344.1	110720	GG	CC	CC	INTERGENIC		
SNP_59518B_114323	scaffold1029	NW_004516344.1	114323	TT	CC	CC	INTERGENIC		
SNP_59519B_114365	scaffold1029	NW_004516344.1	114365	CC	AA	AA	INTERGENIC		
SNP_59520B_149860	scaffold1029	NW_004516344.1	149860	CC	TT	TT	INTERGENIC		
SNP_59521B_22585	scaffold1032	NW_004516345.1	22585	CC	AA	AA	INTERGENIC		
SNP_59522B_22669	scaffold1032	NW_004516345.1	22669	GG	AA	AA	INTERGENIC		
SNP_59523B_25355	scaffold1032	NW_004516345.1	25355	TT	AA	AA	INTERGENIC		
SNP_59524B_1175	scaffold1034	NW_004516347.1	1175	CC	GG	GG	INTERGENIC		
SNP_59525B_1209	scaffold1034	NW_004516347.1	1209	AA	TT	TT	INTERGENIC		
SNP_59526B_1266	scaffold1034	NW_004516347.1	1266	GG	AA	AA	INTERGENIC		
SNP_59527B_8941	scaffold1034	NW_004516347.1	8941	CC	TT	TT	INTERGENIC		
SNP_59528B_9111	scaffold1034	NW_004516347.1	9111	CC	AA	AA	INTERGENIC		
SNP_59529B_9192	scaffold1034	NW_004516347.1	9192	GG	AA	AA	INTERGENIC		
SNP_59530B_9204	scaffold1034	NW_004516347.1	9204	GG	AA	AA	INTERGENIC		
SNP_59531B_9276	scaffold1034	NW_004516347.1	9276	TT	GG	GG	INTERGENIC		
SNP_59532B_9291	scaffold1034	NW_004516347.1	9291	CC	TT	TT	INTERGENIC		
SNP_59533B_9657	scaffold1034	NW_004516347.1	9657	AA	GG	GG	INTERGENIC		
SNP_59534B_13977	scaffold1034	NW_004516347.1	13977	CC	TT	TT	INTERGENIC		
SNP_59535B_28381	scaffold1034	NW_004516347.1	28381	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59536B_29606	scaffold1034	NW_004516347.1	29606	AA	CC	CC	INTERGENIC		
SNP_59537B_39469	scaffold1034	NW_004516347.1	39469	TT	AA	AA	INTERGENIC		
SNP_59538B_39496	scaffold1034	NW_004516347.1	39496	AA	GG	GG	INTERGENIC		
SNP_59539B_45639	scaffold1034	NW_004516347.1	45639	GG	AA	AA	INTERGENIC		
SNP_59540B_46156	scaffold1034	NW_004516347.1	46156	AA	TT	TT	INTERGENIC		
SNP_59541B_46722	scaffold1034	NW_004516347.1	46722	TT	CC	CC	INTERGENIC		
SNP_59542B_74029	scaffold1034	NW_004516347.1	74029	TT	GG	GG	INTERGENIC		
SNP_59543B_504	scaffold1035	NW_004516348.1	504	CC	TT	TT	INTERGENIC		
SNP_59544B_517	scaffold1035	NW_004516348.1	517	AA	TT	TT	INTERGENIC		
SNP_59545B_821	scaffold1035	NW_004516348.1	821	CC	TT	TT	INTERGENIC		
SNP_59546B_947	scaffold1035	NW_004516348.1	947	TT	GG	GG	INTERGENIC		
SNP_59547B_1158	scaffold1035	NW_004516348.1	1158	GG	AA	AA	INTERGENIC		
SNP_59549B_10361	scaffold1036	NW_004516349.1	10361	GG	CC	CC	INTERGENIC		
SNP_59550B_37452	scaffold1036	NW_004516349.1	37452	AA	TT	TT	INTERGENIC		
SNP_59551B_43779	scaffold1036	NW_004516349.1	43779	AA	CC	CC	INTERGENIC		
SNP_59552B_46111	scaffold1036	NW_004516349.1	46111	AA	GG	GG	INTERGENIC		
SNP_59553B_46114	scaffold1036	NW_004516349.1	46114	TT	CC	CC	INTERGENIC		
SNP_59554B_46329	scaffold1036	NW_004516349.1	46329	TT	GG	GG	INTERGENIC		
SNP_59555B_60446	scaffold1036	NW_004516349.1	60446	TT	GG	GG	INTERGENIC		
SNP_59556B_60496	scaffold1036	NW_004516349.1	60496	TT	AA	AA	INTERGENIC		
SNP_59557B_75472	scaffold1036	NW_004516349.1	75472	CC	TT	TT	INTERGENIC		
SNP_59558B_77493	scaffold1036	NW_004516349.1	77493	AA	GG	GG	INTERGENIC		
SNP_59559B_77547	scaffold1036	NW_004516349.1	77547	CC	TT	TT	INTERGENIC		
SNP_59560B_77595	scaffold1036	NW_004516349.1	77595	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59561B_78000	scaffold1036	NW_004516349.1	78000	CC	AA	AA	INTERGENIC		
SNP_59562B_86778	scaffold1036	NW_004516349.1	86778	AA	CC	CC	INTERGENIC		
SNP_59563B_87052	scaffold1036	NW_004516349.1	87052	TT	AA	AA	INTERGENIC		
SNP_59564B_87056	scaffold1036	NW_004516349.1	87056	TT	GG	GG	INTERGENIC		
SNP_59565B_94291	scaffold1036	NW_004516349.1	94291	AA	CC	CC	INTERGENIC		
SNP_59567B_99789	scaffold1036	NW_004516349.1	99789	TT	AA	AA	INTERGENIC		
SNP_59568B_99825	scaffold1036	NW_004516349.1	99825	AA	GG	GG	INTERGENIC		
SNP_59569B_100170	scaffold1036	NW_004516349.1	100170	AA	CC	CC	INTERGENIC		
SNP_59570B_102220	scaffold1036	NW_004516349.1	102220	AA	GG	GG	INTERGENIC		
SNP_59571B_102373	scaffold1036	NW_004516349.1	102373	AA	TT	TT	INTERGENIC		
SNP_59572B_102522	scaffold1036	NW_004516349.1	102522	AA	GG	GG	INTERGENIC		
SNP_59573B_102585	scaffold1036	NW_004516349.1	102585	AA	CC	CC	INTERGENIC		
SNP_59574B_102609	scaffold1036	NW_004516349.1	102609	TT	AA	AA	INTERGENIC		
SNP_59575B_102620	scaffold1036	NW_004516349.1	102620	GG	TT	TT	INTERGENIC		
SNP_59576B_102636	scaffold1036	NW_004516349.1	102636	AA	GG	GG	INTERGENIC		
SNP_59577B_102639	scaffold1036	NW_004516349.1	102639	TT	CC	CC	INTERGENIC		
SNP_59578B_102655	scaffold1036	NW_004516349.1	102655	GG	AA	AA	INTERGENIC		
SNP_59579B_102956	scaffold1036	NW_004516349.1	102956	TT	GG	GG	INTERGENIC		
SNP_59580B_103012	scaffold1036	NW_004516349.1	103012	GG	TT	TT	INTERGENIC		
SNP_59581B_103024	scaffold1036	NW_004516349.1	103024	TT	GG	GG	INTERGENIC		
SNP_59582B_103080	scaffold1036	NW_004516349.1	103080	TT	CC	CC	INTERGENIC		
SNP_59583B_103132	scaffold1036	NW_004516349.1	103132	CC	TT	TT	INTERGENIC		
SNP_59584B_103139	scaffold1036	NW_004516349.1	103139	GG	TT	TT	INTERGENIC		
SNP_59585B_103167	scaffold1036	NW_004516349.1	103167	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59586B_103192	scaffold1036	NW_004516349.1	103192	TT	CC	CC	INTERGENIC		
SNP_59587B_115004	scaffold1036	NW_004516349.1	115004	AA	GG	GG	INTERGENIC		
SNP_59588B_157238	scaffold1036	NW_004516349.1	157238	GG	AA	AA	INTERGENIC		
SNP_59589B_169539	scaffold1036	NW_004516349.1	169539	CC	AA	AA	INTERGENIC		
SNP_59590B_169653	scaffold1036	NW_004516349.1	169653	TT	AA	AA	INTERGENIC		
SNP_59591B_173771	scaffold1036	NW_004516349.1	173771	AA	GG	GG	INTERGENIC		
SNP_59592B_196841	scaffold1036	NW_004516349.1	196841	GG	AA	AA	INTERGENIC		
SNP_59593B_204756	scaffold1036	NW_004516349.1	204756	GG	AA	AA	INTERGENIC		
SNP_59594B_204973	scaffold1036	NW_004516349.1	204973	AA	TT	TT	INTERGENIC		
SNP_59596B_213060	scaffold1036	NW_004516349.1	213060	AA	GG	GG	INTERGENIC		
SNP_59597B_213089	scaffold1036	NW_004516349.1	213089	AA	GG	GG	INTERGENIC		
SNP_59598B_213102	scaffold1036	NW_004516349.1	213102	TT	AA	AA	INTERGENIC		
SNP_59599B_223832	scaffold1036	NW_004516349.1	223832	CC	AA	AA	INTERGENIC		
SNP_59600B_224727	scaffold1036	NW_004516349.1	224727	CC	GG	GG	INTERGENIC		
SNP_59601B_225109	scaffold1036	NW_004516349.1	225109	CC	GG	GG	INTERGENIC		
SNP_59602B_225368	scaffold1036	NW_004516349.1	225368	AA	CC	CC	INTERGENIC		
SNP_59603B_225602	scaffold1036	NW_004516349.1	225602	AA	GG	GG	INTERGENIC		
SNP_59604B_225621	scaffold1036	NW_004516349.1	225621	TT	CC	CC	INTERGENIC		
SNP_59605B_233260	scaffold1036	NW_004516349.1	233260	CC	AA	AA	INTERGENIC		
SNP_59606B_233272	scaffold1036	NW_004516349.1	233272	TT	AA	AA	INTERGENIC		
SNP_59607B_236147	scaffold1036	NW_004516349.1	236147	CC	GG	GG	INTERGENIC		
SNP_59608B_236437	scaffold1036	NW_004516349.1	236437	TT	GG	GG	INTERGENIC		
SNP_59610B_120	scaffold1038	NW_004516350.1	120	AA	GG	GG	INTERGENIC		
SNP_59611B_273	scaffold1038	NW_004516350.1	273	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59612B_345	scaffold1038	NW_004516350.1	345	TT	CC	CC	INTERGENIC		
SNP_59613B_554	scaffold1038	NW_004516350.1	554	AA	GG	GG	INTERGENIC		
SNP_59614B_589	scaffold1038	NW_004516350.1	589	TT	AA	AA	INTERGENIC		
SNP_59615B_650	scaffold1038	NW_004516350.1	650	AA	TT	TT	INTERGENIC		
SNP_59617B_1593	scaffold1038	NW_004516350.1	1593	GG	AA	AA	INTERGENIC		
SNP_59618B_1634	scaffold1038	NW_004516350.1	1634	GG	TT	TT	INTERGENIC		
SNP_59619B_1664	scaffold1038	NW_004516350.1	1664	TT	GG	GG	INTERGENIC		
SNP_59620B_1683	scaffold1038	NW_004516350.1	1683	TT	CC	CC	INTERGENIC		
SNP_59621B_1699	scaffold1038	NW_004516350.1	1699	CC	TT	TT	INTERGENIC		
SNP_59622B_2268	scaffold1038	NW_004516350.1	2268	TT	GG	GG	INTERGENIC		
SNP_59623B_2348	scaffold1038	NW_004516350.1	2348	TT	GG	AA	INTERGENIC		
SNP_59624B_2444	scaffold1038	NW_004516350.1	2444	AA	CC	CC	INTERGENIC		
SNP_59625B_2445	scaffold1038	NW_004516350.1	2445	TT	GG	GG	INTERGENIC		
SNP_59627B_2566	scaffold1038	NW_004516350.1	2566	CC	TT	TT	INTERGENIC		
SNP_59628B_2772	scaffold1038	NW_004516350.1	2772	GG	AA	AA	INTERGENIC		
SNP_59629B_3282	scaffold1039	NW_004516351.1	3282	GG	AA	AA	INTERGENIC		
SNP_59630B_3509	scaffold1039	NW_004516351.1	3509	AA	CC	CC	INTERGENIC		
SNP_59631B_3649	scaffold1039	NW_004516351.1	3649	TT	AA	AA	INTERGENIC		
SNP_59632B_3804	scaffold1039	NW_004516351.1	3804	CC	TT	TT	INTERGENIC		
SNP_59633B_3939	scaffold1039	NW_004516351.1	3939	AA	GG	GG	INTERGENIC		
SNP_59634B_4084	scaffold1039	NW_004516351.1	4084	AA	GG	GG	INTERGENIC		
SNP_59635B_4245	scaffold1039	NW_004516351.1	4245	TT	GG	GG	INTERGENIC		
SNP_59636B_4293	scaffold1039	NW_004516351.1	4293	AA	TT	TT	INTERGENIC		
SNP_59637B_4336	scaffold1039	NW_004516351.1	4336	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59638B_4339	scaffold1039	NW_004516351.1	4339	AA	TT	TT	INTERGENIC		
SNP_59639B_4374	scaffold1039	NW_004516351.1	4374	CC	TT	TT	INTERGENIC		
SNP_59641B_4498	scaffold1039	NW_004516351.1	4498	AA	GG	GG	INTERGENIC		
SNP_59642B_10133	scaffold1039	NW_004516351.1	10133	GG	AA	AA	INTERGENIC		
SNP_59643B_10391	scaffold1039	NW_004516351.1	10391	TT	CC	CC	INTERGENIC		
SNP_59644B_12751	scaffold1039	NW_004516351.1	12751	GG	AA	AA	INTERGENIC		
SNP_59645B_12795	scaffold1039	NW_004516351.1	12795	CC	AA	AA	INTERGENIC		
SNP_59646B_32243	scaffold1039	NW_004516351.1	32243	GG	AA	AA	INTERGENIC		
SNP_59647B_32298	scaffold1039	NW_004516351.1	32298	AA	CC	CC	INTERGENIC		
SNP_59648B_32318	scaffold1039	NW_004516351.1	32318	TT	AA	AA	INTERGENIC		
SNP_59649B_32327	scaffold1039	NW_004516351.1	32327	AA	CC	CC	INTERGENIC		
SNP_59650B_32627	scaffold1039	NW_004516351.1	32627	TT	GG	AA	INTERGENIC		
SNP_59651B_40051	scaffold1039	NW_004516351.1	40051	AA	GG	GG	INTERGENIC		
SNP_59652B_40132	scaffold1039	NW_004516351.1	40132	CC	TT	TT	INTERGENIC		
SNP_59653B_40163	scaffold1039	NW_004516351.1	40163	AA	GG	GG	INTERGENIC		
SNP_59654B_40165	scaffold1039	NW_004516351.1	40165	TT	CC	CC	INTERGENIC		
SNP_59655B_40177	scaffold1039	NW_004516351.1	40177	TT	CC	CC	INTERGENIC		
SNP_59656B_40208	scaffold1039	NW_004516351.1	40208	AA	GG	GG	INTERGENIC		
SNP_59657B_40249	scaffold1039	NW_004516351.1	40249	AA	GG	GG	INTERGENIC		
SNP_59658B_40297	scaffold1039	NW_004516351.1	40297	GG	AA	AA	INTERGENIC		
SNP_59659B_40309	scaffold1039	NW_004516351.1	40309	AA	GG	GG	INTERGENIC		
SNP_59660B_40425	scaffold1039	NW_004516351.1	40425	AA	GG	GG	INTERGENIC		
SNP_59661B_40497	scaffold1039	NW_004516351.1	40497	GG	AA	AA	INTERGENIC		
SNP_59662B_40920	scaffold1039	NW_004516351.1	40920	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59663B_41085	scaffold1039	NW_004516351.1	41085	GG	AA	AA	INTERGENIC		
SNP_59664B_41124	scaffold1039	NW_004516351.1	41124	CC	AA	AA	INTERGENIC		
SNP_59665B_41260	scaffold1039	NW_004516351.1	41260	TT	CC	CC	INTERGENIC		
SNP_59666B_41262	scaffold1039	NW_004516351.1	41262	TT	CC	CC	INTERGENIC		
SNP_59667B_41275	scaffold1039	NW_004516351.1	41275	TT	CC	CC	INTERGENIC		
SNP_59668B_41299	scaffold1039	NW_004516351.1	41299	AA	GG	GG	INTERGENIC		
SNP_59669B_41302	scaffold1039	NW_004516351.1	41302	GG	AA	AA	INTERGENIC		
SNP_59670B_41312	scaffold1039	NW_004516351.1	41312	TT	CC	CC	INTERGENIC		
SNP_59671B_41317	scaffold1039	NW_004516351.1	41317	AA	GG	GG	INTERGENIC		
SNP_59672B_41332	scaffold1039	NW_004516351.1	41332	TT	CC	CC	INTERGENIC		
SNP_59673B_41362	scaffold1039	NW_004516351.1	41362	AA	GG	GG	INTERGENIC		
SNP_59674B_41392	scaffold1039	NW_004516351.1	41392	AA	GG	GG	INTERGENIC		
SNP_59675B_41395	scaffold1039	NW_004516351.1	41395	AA	GG	GG	INTERGENIC		
SNP_59676B_41396	scaffold1039	NW_004516351.1	41396	GG	AA	AA	INTERGENIC		
SNP_59677B_42146	scaffold1039	NW_004516351.1	42146	TT	CC	CC	INTERGENIC		
SNP_59678B_44736	scaffold1039	NW_004516351.1	44736	TT	CC	CC	INTERGENIC		
SNP_59679B_44824	scaffold1039	NW_004516351.1	44824	CC	TT	TT	INTERGENIC		
SNP_59680B_44916	scaffold1039	NW_004516351.1	44916	AA	TT	TT	INTERGENIC		
SNP_59681B_44950	scaffold1039	NW_004516351.1	44950	TT	CC	CC	INTERGENIC		
SNP_59682B_45027	scaffold1039	NW_004516351.1	45027	GG	AA	AA	INTERGENIC		
SNP_59683B_45254	scaffold1039	NW_004516351.1	45254	AA	GG	GG	INTERGENIC		
SNP_59684B_45256	scaffold1039	NW_004516351.1	45256	TT	GG	GG	INTERGENIC		
SNP_59685B_45260	scaffold1039	NW_004516351.1	45260	AA	TT	TT	INTERGENIC		
SNP_59686B_45344	scaffold1039	NW_004516351.1	45344	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59687B_45357	scaffold1039	NW_004516351.1	45357	CC	TT	TT	INTERGENIC		
SNP_59688B_45501	scaffold1039	NW_004516351.1	45501	AA	GG	GG	INTERGENIC		
SNP_59689B_45545	scaffold1039	NW_004516351.1	45545	CC	TT	TT	INTERGENIC		
SNP_59690B_45966	scaffold1039	NW_004516351.1	45966	TT	GG	GG	INTERGENIC		
SNP_59691B_46003	scaffold1039	NW_004516351.1	46003	AA	TT	TT	INTERGENIC		
SNP_59692B_46028	scaffold1039	NW_004516351.1	46028	TT	CC	CC	INTERGENIC		
SNP_59693B_46104	scaffold1039	NW_004516351.1	46104	GG	AA	AA	INTERGENIC		
SNP_59694B_46147	scaffold1039	NW_004516351.1	46147	AA	TT	TT	INTERGENIC		
SNP_59695B_46149	scaffold1039	NW_004516351.1	46149	AA	TT	TT	INTERGENIC		
SNP_59696B_46239	scaffold1039	NW_004516351.1	46239	CC	GG	GG	INTERGENIC		
SNP_59697B_46301	scaffold1039	NW_004516351.1	46301	TT	AA	AA	INTERGENIC		
SNP_59698B_46306	scaffold1039	NW_004516351.1	46306	AA	TT	TT	INTERGENIC		
SNP_59699B_47606	scaffold1039	NW_004516351.1	47606	GG	TT	TT	INTERGENIC		
SNP_59700B_47715	scaffold1039	NW_004516351.1	47715	GG	AA	AA	INTERGENIC		
SNP_59701B_47724	scaffold1039	NW_004516351.1	47724	AA	GG	GG	INTERGENIC		
SNP_59702B_47762	scaffold1039	NW_004516351.1	47762	GG	AA	AA	INTERGENIC		
SNP_59703B_47824	scaffold1039	NW_004516351.1	47824	CC	TT	TT	INTERGENIC		
SNP_59704B_47860	scaffold1039	NW_004516351.1	47860	CC	TT	TT	INTERGENIC		
SNP_59705B_47947	scaffold1039	NW_004516351.1	47947	AA	GG	GG	INTERGENIC		
SNP_59706B_47973	scaffold1039	NW_004516351.1	47973	GG	AA	AA	INTERGENIC		
SNP_59707B_48009	scaffold1039	NW_004516351.1	48009	GG	AA	TT	INTERGENIC		
SNP_59708B_48030	scaffold1039	NW_004516351.1	48030	CC	TT	TT	INTERGENIC		
SNP_59709B_48036	scaffold1039	NW_004516351.1	48036	CC	TT	TT	INTERGENIC		
SNP_59710B_48039	scaffold1039	NW_004516351.1	48039	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59711B_48046	scaffold1039	NW_004516351.1	48046	CC	TT	TT	INTERGENIC		
SNP_59712B_48056	scaffold1039	NW_004516351.1	48056	GG	TT	TT	INTERGENIC		
SNP_59713B_48057	scaffold1039	NW_004516351.1	48057	AA	GG	GG	INTERGENIC		
SNP_59714B_48073	scaffold1039	NW_004516351.1	48073	GG	AA	AA	INTERGENIC		
SNP_59715B_48075	scaffold1039	NW_004516351.1	48075	GG	TT	TT	INTERGENIC		
SNP_59716B_48081	scaffold1039	NW_004516351.1	48081	TT	GG	GG	INTERGENIC		
SNP_59717B_48114	scaffold1039	NW_004516351.1	48114	TT	GG	GG	INTERGENIC		
SNP_59718B_48153	scaffold1039	NW_004516351.1	48153	GG	AA	AA	INTERGENIC		
SNP_59719B_48159	scaffold1039	NW_004516351.1	48159	CC	AA	AA	INTERGENIC		
SNP_59720B_48206	scaffold1039	NW_004516351.1	48206	TT	AA	AA	INTERGENIC		
SNP_59721B_48222	scaffold1039	NW_004516351.1	48222	GG	AA	AA	INTERGENIC		
SNP_59722B_48355	scaffold1039	NW_004516351.1	48355	TT	CC	CC	INTERGENIC		
SNP_59723B_48382	scaffold1039	NW_004516351.1	48382	AA	CC	CC	INTERGENIC		
SNP_59724B_48507	scaffold1039	NW_004516351.1	48507	AA	TT	TT	INTERGENIC		
SNP_59725B_48579	scaffold1039	NW_004516351.1	48579	CC	AA	AA	INTERGENIC		
SNP_59727B_48935	scaffold1039	NW_004516351.1	48935	CC	TT	TT	INTERGENIC		
SNP_59728B_48985	scaffold1039	NW_004516351.1	48985	AA	GG	GG	INTERGENIC		
SNP_59729B_48993	scaffold1039	NW_004516351.1	48993	TT	GG	GG	INTERGENIC		
SNP_59730B_49034	scaffold1039	NW_004516351.1	49034	TT	CC	CC	INTERGENIC		
SNP_59731B_49109	scaffold1039	NW_004516351.1	49109	TT	AA	AA	INTERGENIC		
SNP_59732B_49165	scaffold1039	NW_004516351.1	49165	AA	TT	TT	INTERGENIC		
SNP_59733B_49177	scaffold1039	NW_004516351.1	49177	AA	CC	CC	INTERGENIC		
SNP_59734B_49220	scaffold1039	NW_004516351.1	49220	GG	TT	TT	INTERGENIC		
SNP_59735B_49407	scaffold1039	NW_004516351.1	49407	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59736B_49416	scaffold1039	NW_004516351.1	49416	TT	CC	CC	INTERGENIC		
SNP_59737B_49724	scaffold1039	NW_004516351.1	49724	TT	CC	CC	INTERGENIC		
SNP_59738B_49736	scaffold1039	NW_004516351.1	49736	CC	GG	GG	INTERGENIC		
SNP_59739B_49807	scaffold1039	NW_004516351.1	49807	AA	CC	CC	INTERGENIC		
SNP_59740B_50769	scaffold1039	NW_004516351.1	50769	AA	GG	GG	INTERGENIC		
SNP_59741B_50827	scaffold1039	NW_004516351.1	50827	CC	TT	TT	INTERGENIC		
SNP_59742B_51033	scaffold1039	NW_004516351.1	51033	CC	TT	TT	INTERGENIC		
SNP_59743B_51076	scaffold1039	NW_004516351.1	51076	TT	CC	CC	INTERGENIC		
SNP_59744B_51161	scaffold1039	NW_004516351.1	51161	TT	AA	AA	INTERGENIC		
SNP_59745B_51248	scaffold1039	NW_004516351.1	51248	TT	CC	CC	INTERGENIC		
SNP_59746B_51264	scaffold1039	NW_004516351.1	51264	CC	TT	TT	INTERGENIC		
SNP_59747B_51321	scaffold1039	NW_004516351.1	51321	GG	TT	TT	INTERGENIC		
SNP_59748B_51346	scaffold1039	NW_004516351.1	51346	TT	AA	AA	INTERGENIC		
SNP_59749B_51389	scaffold1039	NW_004516351.1	51389	TT	GG	GG	INTERGENIC		
SNP_59750B_54156	scaffold1039	NW_004516351.1	54156	AA	GG	GG	INTERGENIC		
SNP_59751B_54354	scaffold1039	NW_004516351.1	54354	GG	AA	AA	INTERGENIC		
SNP_59752B_54380	scaffold1039	NW_004516351.1	54380	AA	GG	GG	INTERGENIC		
SNP_59753B_54395	scaffold1039	NW_004516351.1	54395	AA	GG	GG	INTERGENIC		
SNP_59754B_54401	scaffold1039	NW_004516351.1	54401	TT	CC	CC	INTERGENIC		
SNP_59755B_54516	scaffold1039	NW_004516351.1	54516	AA	GG	GG	INTERGENIC		
SNP_59756B_54539	scaffold1039	NW_004516351.1	54539	GG	AA	AA	INTERGENIC		
SNP_59757B_54630	scaffold1039	NW_004516351.1	54630	GG	TT	TT	INTERGENIC		
SNP_59758B_54637	scaffold1039	NW_004516351.1	54637	AA	GG	GG	INTERGENIC		
SNP_59759B_54714	scaffold1039	NW_004516351.1	54714	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59760B_54887	scaffold1039	NW_004516351.1	54887	TT	CC	CC	INTERGENIC		
SNP_59761B_54953	scaffold1039	NW_004516351.1	54953	TT	GG	GG	INTERGENIC		
SNP_59762B_55005	scaffold1039	NW_004516351.1	55005	CC	GG	GG	INTERGENIC		
SNP_59763B_55270	scaffold1039	NW_004516351.1	55270	TT	CC	CC	INTERGENIC		
SNP_59764B_57596	scaffold1039	NW_004516351.1	57596	GG	AA	AA	INTERGENIC		
SNP_59765B_57602	scaffold1039	NW_004516351.1	57602	AA	GG	GG	INTERGENIC		
SNP_59766B_57621	scaffold1039	NW_004516351.1	57621	TT	CC	CC	INTERGENIC		
SNP_59767B_57638	scaffold1039	NW_004516351.1	57638	GG	TT	TT	INTERGENIC		
SNP_59768B_57642	scaffold1039	NW_004516351.1	57642	CC	GG	GG	INTERGENIC		
SNP_59769B_57646	scaffold1039	NW_004516351.1	57646	AA	GG	GG	INTERGENIC		
SNP_59770B_57691	scaffold1039	NW_004516351.1	57691	TT	CC	CC	INTERGENIC		
SNP_59771B_57723	scaffold1039	NW_004516351.1	57723	GG	AA	AA	INTERGENIC		
SNP_59772B_57725	scaffold1039	NW_004516351.1	57725	TT	CC	CC	INTERGENIC		
SNP_59773B_57741	scaffold1039	NW_004516351.1	57741	CC	TT	TT	INTERGENIC		
SNP_59774B_57762	scaffold1039	NW_004516351.1	57762	AA	TT	TT	INTERGENIC		
SNP_59775B_57763	scaffold1039	NW_004516351.1	57763	AA	GG	GG	INTERGENIC		
SNP_59776B_57772	scaffold1039	NW_004516351.1	57772	TT	CC	CC	INTERGENIC		
SNP_59777B_57840	scaffold1039	NW_004516351.1	57840	GG	CC	CC	INTERGENIC		
SNP_59778B_57841	scaffold1039	NW_004516351.1	57841	TT	CC	CC	INTERGENIC		
SNP_59779B_57964	scaffold1039	NW_004516351.1	57964	AA	GG	GG	INTERGENIC		
SNP_59780B_58676	scaffold1039	NW_004516351.1	58676	GG	TT	TT	INTERGENIC		
SNP_59781B_58685	scaffold1039	NW_004516351.1	58685	GG	AA	AA	INTERGENIC		
SNP_59782B_58825	scaffold1039	NW_004516351.1	58825	CC	AA	AA	INTERGENIC		
SNP_59783B_58837	scaffold1039	NW_004516351.1	58837	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59784B_58861	scaffold1039	NW_004516351.1	58861	AA	GG	GG	INTERGENIC		
SNP_59785B_58977	scaffold1039	NW_004516351.1	58977	CC	TT	TT	INTERGENIC		
SNP_59786B_58995	scaffold1039	NW_004516351.1	58995	GG	AA	AA	INTERGENIC		
SNP_59787B_59031	scaffold1039	NW_004516351.1	59031	GG	TT	TT	INTERGENIC		
SNP_59788B_59040	scaffold1039	NW_004516351.1	59040	AA	TT	TT	INTERGENIC		
SNP_59789B_59146	scaffold1039	NW_004516351.1	59146	TT	CC	CC	INTERGENIC		
SNP_59790B_59161	scaffold1039	NW_004516351.1	59161	AA	TT	TT	INTERGENIC		
SNP_59791B_59216	scaffold1039	NW_004516351.1	59216	AA	CC	CC	INTERGENIC		
SNP_59792B_59241	scaffold1039	NW_004516351.1	59241	GG	AA	AA	INTERGENIC		
SNP_59793B_59436	scaffold1039	NW_004516351.1	59436	GG	AA	AA	INTERGENIC		
SNP_59794B_59534	scaffold1039	NW_004516351.1	59534	GG	AA	AA	INTERGENIC		
SNP_59795B_59554	scaffold1039	NW_004516351.1	59554	GG	CC	CC	INTERGENIC		
SNP_59796B_59565	scaffold1039	NW_004516351.1	59565	TT	AA	AA	INTERGENIC		
SNP_59797B_59907	scaffold1039	NW_004516351.1	59907	GG	AA	AA	INTERGENIC		
SNP_59798B_63473	scaffold1039	NW_004516351.1	63473	AA	TT	TT	INTERGENIC		
SNP_59799B_63541	scaffold1039	NW_004516351.1	63541	GG	CC	CC	INTERGENIC		
SNP_59800B_63552	scaffold1039	NW_004516351.1	63552	TT	CC	CC	INTERGENIC		
SNP_59801B_63608	scaffold1039	NW_004516351.1	63608	CC	TT	TT	INTERGENIC		
SNP_59802B_63690	scaffold1039	NW_004516351.1	63690	AA	GG	GG	INTERGENIC		
SNP_59803B_63697	scaffold1039	NW_004516351.1	63697	AA	TT	TT	INTERGENIC		
SNP_59804B_63724	scaffold1039	NW_004516351.1	63724	AA	TT	TT	INTERGENIC		
SNP_59805B_63905	scaffold1039	NW_004516351.1	63905	TT	CC	CC	INTERGENIC		
SNP_59806B_63966	scaffold1039	NW_004516351.1	63966	AA	GG	GG	INTERGENIC		
SNP_59807B_4535	scaffold1041	NW_004516352.1	4535	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59808B_14608	scaffold1041	NW_004516352.1	14608	AA	GG	GG	INTERGENIC		
SNP_59810B_14612	scaffold1043	NW_004516353.1	14612	TT	CC	CC	INTERGENIC		
SNP_59811B_14640	scaffold1043	NW_004516353.1	14640	AA	GG	GG	INTERGENIC		
SNP_59812B_14655	scaffold1043	NW_004516353.1	14655	AA	GG	GG	INTERGENIC		
SNP_59813B_14665	scaffold1043	NW_004516353.1	14665	TT	GG	GG	INTERGENIC		
SNP_59814B_14846	scaffold1043	NW_004516353.1	14846	TT	CC	CC	INTERGENIC		
SNP_59815B_15082	scaffold1043	NW_004516353.1	15082	AA	GG	GG	INTERGENIC		
SNP_59816B_25869	scaffold1043	NW_004516353.1	25869	AA	GG	GG	INTERGENIC		
SNP_59817B_32629	scaffold1043	NW_004516353.1	32629	AA	CC	CC	INTERGENIC		
SNP_59818B_32913	scaffold1043	NW_004516353.1	32913	AA	TT	TT	INTERGENIC		
SNP_59819B_32939	scaffold1043	NW_004516353.1	32939	AA	CC	CC	INTERGENIC		
SNP_59820B_32961	scaffold1043	NW_004516353.1	32961	CC	AA	AA	INTERGENIC		
SNP_59821B_32971	scaffold1043	NW_004516353.1	32971	CC	AA	AA	INTERGENIC		
SNP_59822B_32990	scaffold1043	NW_004516353.1	32990	CC	TT	TT	INTERGENIC		
SNP_59823B_33002	scaffold1043	NW_004516353.1	33002	GG	AA	AA	INTERGENIC		
SNP_59824B_33016	scaffold1043	NW_004516353.1	33016	CC	TT	TT	INTERGENIC		
SNP_59825B_33028	scaffold1043	NW_004516353.1	33028	TT	AA	AA	INTERGENIC		
SNP_59826B_33043	scaffold1043	NW_004516353.1	33043	AA	GG	GG	INTERGENIC		
SNP_59827B_33047	scaffold1043	NW_004516353.1	33047	GG	TT	TT	INTERGENIC		
SNP_59828B_39377	scaffold1043	NW_004516353.1	39377	GG	AA	AA	INTERGENIC		
SNP_59829B_39528	scaffold1043	NW_004516353.1	39528	CC	TT	TT	INTERGENIC		
SNP_59830B_41111	scaffold1043	NW_004516353.1	41111	CC	TT	TT	INTERGENIC		
SNP_59831B_63085	scaffold1043	NW_004516353.1	63085	TT	CC	CC	INTERGENIC		
SNP_59832B_63303	scaffold1043	NW_004516353.1	63303	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59833B_64867	scaffold1043	NW_004516353.1	64867	TT	AA	AA	INTERGENIC		
SNP_59834B_72293	scaffold1043	NW_004516353.1	72293	TT	CC	CC	INTERGENIC		
SNP_59835B_72543	scaffold1043	NW_004516353.1	72543	GG	TT	TT	INTERGENIC		
SNP_59836B_72596	scaffold1043	NW_004516353.1	72596	TT	GG	GG	INTERGENIC		
SNP_59837B_72597	scaffold1043	NW_004516353.1	72597	AA	GG	GG	INTERGENIC		
SNP_59838B_72598	scaffold1043	NW_004516353.1	72598	TT	GG	GG	INTERGENIC		
SNP_59839B_72615	scaffold1043	NW_004516353.1	72615	AA	GG	GG	INTERGENIC		
SNP_59840B_89797	scaffold1043	NW_004516353.1	89797	TT	CC	CC	INTERGENIC		
SNP_59841B_89901	scaffold1043	NW_004516353.1	89901	TT	CC	CC	INTERGENIC		
SNP_59842B_89976	scaffold1043	NW_004516353.1	89976	AA	CC	CC	INTERGENIC		
SNP_59843B_696	scaffold1044	NW_004516354.1	696	AA	TT	TT	INTERGENIC		
SNP_59844B_977	scaffold1044	NW_004516354.1	977	TT	GG	GG	INTERGENIC		
SNP_59845B_1025	scaffold1044	NW_004516354.1	1025	AA	GG	GG	INTERGENIC		
SNP_59846B_1052	scaffold1044	NW_004516354.1	1052	CC	TT	TT	INTERGENIC		
SNP_59847B_1084	scaffold1044	NW_004516354.1	1084	TT	CC	CC	INTERGENIC		
SNP_59848B_16080	scaffold1044	NW_004516354.1	16080	CC	GG	GG	INTERGENIC		
SNP_59849B_16874	scaffold1044	NW_004516354.1	16874	TT	CC	CC	INTERGENIC		
SNP_59850B_17271	scaffold1044	NW_004516354.1	17271	CC	GG	GG	INTERGENIC		
SNP_59851B_21618	scaffold1044	NW_004516354.1	21618	CC	GG	GG	INTERGENIC		
SNP_59852B_23636	scaffold1044	NW_004516354.1	23636	AA	TT	TT	INTERGENIC		
SNP_59853B_23828	scaffold1044	NW_004516354.1	23828	CC	GG	GG	INTERGENIC		
SNP_59854B_27233	scaffold1044	NW_004516354.1	27233	CC	GG	GG	INTERGENIC		
SNP_59855B_32048	scaffold1044	NW_004516354.1	32048	CC	TT	TT	INTERGENIC		
SNP_59856B_10770	scaffold1045	NW_004516355.1	10770	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59857B_33424	scaffold1045	NW_004516355.1	33424	TT	GG	GG	INTERGENIC		
SNP_59858B_36101	scaffold1045	NW_004516355.1	36101	TT	CC	CC	INTERGENIC		
SNP_59859B_36160	scaffold1045	NW_004516355.1	36160	GG	CC	CC	INTERGENIC		
SNP_59860B_36183	scaffold1045	NW_004516355.1	36183	AA	GG	GG	INTERGENIC		
SNP_59861B_36191	scaffold1045	NW_004516355.1	36191	AA	TT	TT	INTERGENIC		
SNP_59862B_561	scaffold1046	NW_004516356.1	561	AA	GG	GG	INTERGENIC		
SNP_59863B_4047	scaffold1046	NW_004516356.1	4047	AA	GG	GG	INTERGENIC		
SNP_59864B_4909	scaffold1046	NW_004516356.1	4909	TT	GG	GG	INTERGENIC		
SNP_59865B_4936	scaffold1046	NW_004516356.1	4936	GG	AA	AA	INTERGENIC		
SNP_59867B_5213	scaffold1046	NW_004516356.1	5213	TT	AA	AA	INTERGENIC		
SNP_59868B_5259	scaffold1046	NW_004516356.1	5259	GG	AA	AA	INTERGENIC		
SNP_59869B_6453	scaffold1046	NW_004516356.1	6453	CC	AA	AA	INTERGENIC		
SNP_59870B_7586	scaffold1046	NW_004516356.1	7586	CC	AA	AA	INTERGENIC		
SNP_59871B_7605	scaffold1046	NW_004516356.1	7605	GG	TT	TT	INTERGENIC		
SNP_59872B_8074	scaffold1046	NW_004516356.1	8074	AA	TT	TT	INTERGENIC		
SNP_59873B_8753	scaffold1046	NW_004516356.1	8753	GG	CC	CC	INTERGENIC		
SNP_59874B_8898	scaffold1046	NW_004516356.1	8898	GG	AA	AA	INTERGENIC		
SNP_59875B_8949	scaffold1046	NW_004516356.1	8949	CC	TT	TT	INTERGENIC		
SNP_59876B_9044	scaffold1046	NW_004516356.1	9044	TT	GG	GG	INTERGENIC		
SNP_59877B_9148	scaffold1046	NW_004516356.1	9148	GG	AA	AA	INTERGENIC		
SNP_59878B_9180	scaffold1046	NW_004516356.1	9180	GG	AA	AA	INTERGENIC		
SNP_59879B_9338	scaffold1046	NW_004516356.1	9338	AA	TT	TT	INTERGENIC		
SNP_59880B_9847	scaffold1046	NW_004516356.1	9847	TT	CC	CC	INTERGENIC		
SNP_59881B_10326	scaffold1046	NW_004516356.1	10326	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59883B_10566	scaffold1046	NW_004516356.1	10566	AA	CC	CC	INTERGENIC		
SNP_59884B_10623	scaffold1046	NW_004516356.1	10623	TT	GG	GG	INTERGENIC		
SNP_59885B_10751	scaffold1046	NW_004516356.1	10751	GG	AA	AA	INTERGENIC		
SNP_59886B_10790	scaffold1046	NW_004516356.1	10790	GG	AA	AA	INTERGENIC		
SNP_59887B_10930	scaffold1046	NW_004516356.1	10930	GG	TT	TT	INTERGENIC		
SNP_59888B_10931	scaffold1046	NW_004516356.1	10931	GG	AA	AA	INTERGENIC		
SNP_59889B_10955	scaffold1046	NW_004516356.1	10955	GG	CC	CC	INTERGENIC		
SNP_59890B_10980	scaffold1046	NW_004516356.1	10980	CC	TT	TT	INTERGENIC		
SNP_59891B_10987	scaffold1046	NW_004516356.1	10987	TT	AA	AA	INTERGENIC		
SNP_59892B_11024	scaffold1046	NW_004516356.1	11024	CC	TT	TT	INTERGENIC		
SNP_59893B_11040	scaffold1046	NW_004516356.1	11040	AA	TT	TT	INTERGENIC		
SNP_59894B_11048	scaffold1046	NW_004516356.1	11048	GG	CC	CC	INTERGENIC		
SNP_59895B_11220	scaffold1046	NW_004516356.1	11220	AA	TT	TT	INTERGENIC		
SNP_59896B_11419	scaffold1046	NW_004516356.1	11419	TT	GG	GG	INTERGENIC		
SNP_59897B_11443	scaffold1046	NW_004516356.1	11443	GG	AA	AA	INTERGENIC		
SNP_59898B_11553	scaffold1046	NW_004516356.1	11553	TT	AA	AA	INTERGENIC		
SNP_59899B_11734	scaffold1046	NW_004516356.1	11734	AA	TT	TT	INTERGENIC		
SNP_59900B_11737	scaffold1046	NW_004516356.1	11737	GG	CC	CC	INTERGENIC		
SNP_59901B_11809	scaffold1046	NW_004516356.1	11809	AA	CC	CC	INTERGENIC		
SNP_59902B_11827	scaffold1046	NW_004516356.1	11827	AA	CC	CC	INTERGENIC		
SNP_59903B_11844	scaffold1046	NW_004516356.1	11844	AA	GG	GG	INTERGENIC		
SNP_59904B_11895	scaffold1046	NW_004516356.1	11895	AA	CC	CC	INTERGENIC		
SNP_59905B_11956	scaffold1046	NW_004516356.1	11956	AA	CC	CC	INTERGENIC		
SNP_59906B_12032	scaffold1046	NW_004516356.1	12032	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59907B_12063	scaffold1046	NW_004516356.1	12063	AA	CC	CC	INTERGENIC		
SNP_59908B_12093	scaffold1046	NW_004516356.1	12093	CC	GG	GG	INTERGENIC		
SNP_59909B_12132	scaffold1046	NW_004516356.1	12132	CC	GG	GG	INTERGENIC		
SNP_59910B_12203	scaffold1046	NW_004516356.1	12203	GG	TT	TT	INTERGENIC		
SNP_59911B_12272	scaffold1046	NW_004516356.1	12272	CC	TT	TT	INTERGENIC		
SNP_59912B_12302	scaffold1046	NW_004516356.1	12302	CC	GG	GG	INTERGENIC		
SNP_59913B_12413	scaffold1046	NW_004516356.1	12413	CC	AA	AA	INTERGENIC		
SNP_59914B_12456	scaffold1046	NW_004516356.1	12456	AA	TT	TT	INTERGENIC		
SNP_59915B_12468	scaffold1046	NW_004516356.1	12468	GG	AA	AA	INTERGENIC		
SNP_59916B_12892	scaffold1046	NW_004516356.1	12892	TT	GG	GG	INTERGENIC		
SNP_59917B_13002	scaffold1046	NW_004516356.1	13002	TT	GG	GG	INTERGENIC		
SNP_59918B_13095	scaffold1046	NW_004516356.1	13095	TT	CC	CC	INTERGENIC		
SNP_59919B_13098	scaffold1046	NW_004516356.1	13098	AA	GG	GG	INTERGENIC		
SNP_59920B_14565	scaffold1046	NW_004516356.1	14565	CC	GG	GG	INTERGENIC		
SNP_59923B_15419	scaffold1046	NW_004516356.1	15419	CC	GG	GG	INTERGENIC		
SNP_59924B_15592	scaffold1046	NW_004516356.1	15592	GG	TT	TT	INTERGENIC		
SNP_59925B_15637	scaffold1046	NW_004516356.1	15637	TT	AA	AA	INTERGENIC		
SNP_59926B_15717	scaffold1046	NW_004516356.1	15717	TT	AA	AA	INTERGENIC		
SNP_59927B_15886	scaffold1046	NW_004516356.1	15886	TT	CC	CC	INTERGENIC		
SNP_59928B_16373	scaffold1046	NW_004516356.1	16373	CC	TT	TT	INTERGENIC		
SNP_59929B_17065	scaffold1046	NW_004516356.1	17065	TT	CC	CC	INTERGENIC		
SNP_59930B_17354	scaffold1046	NW_004516356.1	17354	AA	TT	TT	INTERGENIC		
SNP_59931B_17474	scaffold1046	NW_004516356.1	17474	GG	TT	TT	INTERGENIC		
SNP_59932B_17527	scaffold1046	NW_004516356.1	17527	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59934B_18073	scaffold1046	NW_004516356.1	18073	GG	TT	TT	INTERGENIC		
SNP_59935B_18194	scaffold1046	NW_004516356.1	18194	TT	AA	AA	INTERGENIC		
SNP_59936B_19017	scaffold1046	NW_004516356.1	19017	CC	GG	GG	INTERGENIC		
SNP_59937B_19446	scaffold1046	NW_004516356.1	19446	TT	CC	CC	INTERGENIC		
SNP_59938B_19448	scaffold1046	NW_004516356.1	19448	GG	AA	AA	INTERGENIC		
SNP_59939B_19685	scaffold1046	NW_004516356.1	19685	AA	GG	GG	INTERGENIC		
SNP_59942B_20593	scaffold1046	NW_004516356.1	20593	AA	TT	TT	INTERGENIC		
SNP_59943B_21357	scaffold1046	NW_004516356.1	21357	AA	GG	GG	INTERGENIC		
SNP_59944B_22137	scaffold1046	NW_004516356.1	22137	TT	AA	AA	INTERGENIC		
SNP_59945B_22190	scaffold1046	NW_004516356.1	22190	AA	GG	GG	INTERGENIC		
SNP_59946B_22666	scaffold1046	NW_004516356.1	22666	TT	CC	CC	INTERGENIC		
SNP_59947B_25822	scaffold1046	NW_004516356.1	25822	CC	GG	GG	INTERGENIC		
SNP_59948B_31495	scaffold1046	NW_004516356.1	31495	AA	GG	GG	INTERGENIC		
SNP_59950B_32340	scaffold1046	NW_004516356.1	32340	AA	TT	TT	INTERGENIC		
SNP_59951B_24092	scaffold1047	NW_004516357.1	24092	CC	AA	AA	INTERGENIC		
SNP_59952B_24505	scaffold1047	NW_004516357.1	24505	AA	TT	TT	URR	101496188	beta-fructofuranosidase, cell wall isozyme-like
SNP_59953B_35441	scaffold1047	NW_004516357.1	35441	TT	AA	AA	INTERGENIC		
SNP_59954B_52983	scaffold1047	NW_004516357.1	52983	AA	GG	GG	URR	101504469	phosphatidylinositol 4-phosphate 5-kinase 9-like
SNP_59957B_163766	scaffold1047	NW_004516357.1	163766	CC	TT	TT	URR	101510137	germin-like protein subfamily 3 member 4
SNP_59958B_175424	scaffold1047	NW_004516357.1	175424	AA	GG	GG	INTERGENIC		
SNP_59959B_199044	scaffold1047	NW_004516357.1	199044	GG	AA	AA	INTERGENIC		
SNP_59960B_218086	scaffold1047	NW_004516357.1	218086	AA	GG	GG	INTERGENIC		
SNP_59961B_242535	scaffold1047	NW_004516357.1	242535	TT	GG	GG	INTERGENIC		
SNP_59962B_242536	scaffold1047	NW_004516357.1	242536	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59963B_280979	scaffold1047	NW_004516357.1	280979	TT	CC	CC	INTERGENIC		
SNP_59965B_383449	scaffold1047	NW_004516357.1	383449	AA	TT	TT	INTERGENIC		
SNP_59966B_385571	scaffold1047	NW_004516357.1	385571	TT	CC	CC	INTERGENIC		
SNP_59967B_385785	scaffold1047	NW_004516357.1	385785	GG	AA	AA	INTERGENIC		
SNP_59968B_385837	scaffold1047	NW_004516357.1	385837	TT	GG	GG	INTERGENIC		
SNP_59969B_386927	scaffold1047	NW_004516357.1	386927	CC	TT	TT	INTERGENIC		
SNP_59971B_419821	scaffold1047	NW_004516357.1	419821	GG	TT	TT	INTERGENIC		
SNP_59972B_419919	scaffold1047	NW_004516357.1	419919	GG	AA	AA	INTERGENIC		
SNP_59973B_496331	scaffold1047	NW_004516357.1	496331	TT	CC	CC	INTERGENIC		
SNP_59974B_496332	scaffold1047	NW_004516357.1	496332	GG	AA	AA	INTERGENIC		
SNP_59975B_496368	scaffold1047	NW_004516357.1	496368	TT	CC	CC	INTERGENIC		
SNP_59976B_496719	scaffold1047	NW_004516357.1	496719	TT	GG	GG	INTERGENIC		
SNP_59977B_509269	scaffold1047	NW_004516357.1	509269	CC	TT	TT	INTERGENIC		
SNP_59978B_200	scaffold1048	NW_004516358.1	200	CC	GG	GG	INTERGENIC		
SNP_59979B_25731	scaffold1049	NW_004516359.1	25731	GG	AA	AA	INTERGENIC		
SNP_59980B_32856	scaffold1049	NW_004516359.1	32856	AA	CC	CC	INTERGENIC		
SNP_59982B_44946	scaffold1049	NW_004516359.1	44946	GG	AA	AA	INTERGENIC		
SNP_59983B_73065	scaffold1049	NW_004516359.1	73065	CC	TT	TT	INTERGENIC		
SNP_59984B_74752	scaffold1049	NW_004516359.1	74752	AA	GG	GG	INTERGENIC		
SNP_59985B_74930	scaffold1049	NW_004516359.1	74930	AA	GG	GG	INTERGENIC		
SNP_59986B_75000	scaffold1049	NW_004516359.1	75000	TT	AA	AA	INTERGENIC		
SNP_59988B_99703	scaffold1049	NW_004516359.1	99703	TT	GG	GG	INTERGENIC		
SNP_59989B_99936	scaffold1049	NW_004516359.1	99936	TT	AA	AA	INTERGENIC		
SNP_59990B_110915	scaffold1049	NW_004516359.1	110915	GG	TT	TT	INTRON	101499978	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_59991B_110943	scaffold1049	NW_004516359.1	110943	TT	CC	CC	INTRON	101499978	Unknown function
SNP_59992B_110979	scaffold1049	NW_004516359.1	110979	AA	CC	CC	INTRON	101499978	Unknown function
SNP_59993B_111247	scaffold1049	NW_004516359.1	111247	AA	GG	GG	SYNONYMOUS_CODING	101499978	Unknown function
SNP_59994B_127969	scaffold1049	NW_004516359.1	127969	TT	GG	GG	INTERGENIC		
SNP_59995B_127987	scaffold1049	NW_004516359.1	127987	AA	GG	GG	INTERGENIC		
SNP_59996B_127988	scaffold1049	NW_004516359.1	127988	CC	GG	GG	INTERGENIC		
SNP_59997B_128098	scaffold1049	NW_004516359.1	128098	AA	GG	GG	INTERGENIC		
SNP_59998B_128253	scaffold1049	NW_004516359.1	128253	TT	CC	CC	INTERGENIC		
SNP_59999B_128463	scaffold1049	NW_004516359.1	128463	AA	CC	CC	INTERGENIC		
SNP_60000B_128466	scaffold1049	NW_004516359.1	128466	TT	CC	CC	INTERGENIC		
SNP_60001B_128475	scaffold1049	NW_004516359.1	128475	GG	AA	AA	INTERGENIC		
SNP_60002B_128580	scaffold1049	NW_004516359.1	128580	AA	GG	GG	INTERGENIC		
SNP_60003B_128587	scaffold1049	NW_004516359.1	128587	CC	TT	TT	INTERGENIC		
SNP_60004B_193914	scaffold1049	NW_004516359.1	193914	GG	AA	AA	INTERGENIC		
SNP_60005B_277334	scaffold1049	NW_004516359.1	277334	TT	CC	CC	INTERGENIC		
SNP_60007B_1195	scaffold1050	NW_004516360.1	1195	TT	CC	CC	INTERGENIC		
SNP_60008B_1603	scaffold1050	NW_004516360.1	1603	AA	CC	CC	INTERGENIC		
SNP_60009B_1938	scaffold1050	NW_004516360.1	1938	GG	AA	AA	INTERGENIC		
SNP_60010B_8296	scaffold1050	NW_004516360.1	8296	TT	CC	CC	INTERGENIC		
SNP_60011B_13200	scaffold1050	NW_004516360.1	13200	CC	TT	TT	INTERGENIC		
SNP_60012B_13211	scaffold1050	NW_004516360.1	13211	AA	GG	GG	INTERGENIC		
SNP_60013B_13226	scaffold1050	NW_004516360.1	13226	CC	TT	TT	INTERGENIC		
SNP_60014B_13286	scaffold1050	NW_004516360.1	13286	GG	AA	AA	INTERGENIC		
SNP_60015B_39009	scaffold1050	NW_004516360.1	39009	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60016B_39184	scaffold1050	NW_004516360.1	39184	GG	AA	AA	INTERGENIC		
SNP_60017B_39441	scaffold1050	NW_004516360.1	39441	GG	TT	TT	INTERGENIC		
SNP_60018B_95676	scaffold1050	NW_004516360.1	95676	CC	TT	TT	INTRON	101502956	Unknown function
SNP_60019B_95694	scaffold1050	NW_004516360.1	95694	GG	AA	AA	INTRON	101502956	Unknown function
SNP_60021B_185084	scaffold1050	NW_004516360.1	185084	TT	CC	CC	INTERGENIC		
SNP_60022B_244218	scaffold1050	NW_004516360.1	244218	CC	TT	TT	INTERGENIC		
SNP_60023B_244513	scaffold1050	NW_004516360.1	244513	TT	CC	CC	INTERGENIC		
SNP_60024B_249906	scaffold1050	NW_004516360.1	249906	TT	GG	GG	INTERGENIC		
SNP_60025B_249923	scaffold1050	NW_004516360.1	249923	TT	CC	CC	INTERGENIC		
SNP_60026B_6066	scaffold1051	NW_004516361.1	6066	TT	CC	CC	INTERGENIC		
SNP_60027B_12076	scaffold1051	NW_004516361.1	12076	GG	AA	AA	INTERGENIC		
SNP_60028B_13712	scaffold1051	NW_004516361.1	13712	TT	CC	CC	INTERGENIC		
SNP_60029B_13726	scaffold1051	NW_004516361.1	13726	AA	GG	GG	INTERGENIC		
SNP_60030B_13800	scaffold1051	NW_004516361.1	13800	GG	TT	TT	INTERGENIC		
SNP_60031B_13803	scaffold1051	NW_004516361.1	13803	AA	GG	GG	INTERGENIC		
SNP_60032B_13827	scaffold1051	NW_004516361.1	13827	CC	TT	TT	INTERGENIC		
SNP_60033B_13833	scaffold1051	NW_004516361.1	13833	TT	AA	AA	INTERGENIC		
SNP_60034B_13872	scaffold1051	NW_004516361.1	13872	TT	CC	CC	INTERGENIC		
SNP_60035B_13878	scaffold1051	NW_004516361.1	13878	TT	CC	CC	INTERGENIC		
SNP_60036B_14051	scaffold1051	NW_004516361.1	14051	GG	TT	TT	INTERGENIC		
SNP_60037B_14268	scaffold1051	NW_004516361.1	14268	TT	CC	CC	INTERGENIC		
SNP_60038B_25610	scaffold1051	NW_004516361.1	25610	CC	TT	TT	INTERGENIC		
SNP_60039B_30559	scaffold1051	NW_004516361.1	30559	AA	GG	GG	INTERGENIC		
SNP_60041B_51645	scaffold1051	NW_004516361.1	51645	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60042B_73789	scaffold1051	NW_004516361.1	73789	TT	GG	GG	INTERGENIC		
SNP_60043B_75024	scaffold1051	NW_004516361.1	75024	TT	CC	CC	INTERGENIC		
SNP_60044B_6777	scaffold1052	NW_004516362.1	6777	CC	AA	AA	INTERGENIC		
SNP_60046B_16417	scaffold1052	NW_004516362.1	16417	TT	AA	AA	INTERGENIC		
SNP_60048B_16519	scaffold1052	NW_004516362.1	16519	AA	GG	GG	INTERGENIC		
SNP_60049B_16532	scaffold1052	NW_004516362.1	16532	AA	GG	GG	INTERGENIC		
SNP_60050B_16590	scaffold1052	NW_004516362.1	16590	TT	CC	CC	INTERGENIC		
SNP_60051B_17296	scaffold1052	NW_004516362.1	17296	TT	CC	CC	INTERGENIC		
SNP_60052B_17679	scaffold1052	NW_004516362.1	17679	AA	CC	CC	INTERGENIC		
SNP_60053B_50408	scaffold1052	NW_004516362.1	50408	AA	GG	GG	INTERGENIC		
SNP_60054B_50716	scaffold1052	NW_004516362.1	50716	AA	GG	GG	INTERGENIC		
SNP_60055B_57460	scaffold1052	NW_004516362.1	57460	GG	AA	AA	INTERGENIC		
SNP_60056B_57760	scaffold1052	NW_004516362.1	57760	GG	AA	AA	INTERGENIC		
SNP_60057B_58872	scaffold1052	NW_004516362.1	58872	GG	AA	AA	INTERGENIC		
SNP_60058B_134536	scaffold1052	NW_004516362.1	134536	GG	CC	CC	INTERGENIC		
SNP_60059B_140171	scaffold1052	NW_004516362.1	140171	TT	CC	CC	INTERGENIC		
SNP_60060B_166649	scaffold1052	NW_004516362.1	166649	GG	AA	AA	INTERGENIC		
SNP_60061B_171247	scaffold1052	NW_004516362.1	171247	AA	GG	GG	INTERGENIC		
SNP_60062B_171525	scaffold1052	NW_004516362.1	171525	GG	AA	AA	INTERGENIC		
SNP_60063B_175968	scaffold1052	NW_004516362.1	175968	AA	GG	GG	INTERGENIC		
SNP_60064B_175976	scaffold1052	NW_004516362.1	175976	GG	AA	AA	INTERGENIC		
SNP_60065B_183736	scaffold1052	NW_004516362.1	183736	GG	TT	TT	INTERGENIC		
SNP_60066B_186589	scaffold1052	NW_004516362.1	186589	TT	AA	AA	INTERGENIC		
SNP_60067B_186605	scaffold1052	NW_004516362.1	186605	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60068B_215753	scaffold1052	NW_004516362.1	215753	CC	GG	GG	INTERGENIC		
SNP_60069B_216136	scaffold1052	NW_004516362.1	216136	CC	TT	TT	INTERGENIC		
SNP_60070B_226392	scaffold1052	NW_004516362.1	226392	TT	CC	CC	INTERGENIC		
SNP_60071B_226753	scaffold1052	NW_004516362.1	226753	TT	CC	CC	INTERGENIC		
SNP_60072B_233182	scaffold1052	NW_004516362.1	233182	CC	TT	TT	INTERGENIC		
SNP_60073B_233245	scaffold1052	NW_004516362.1	233245	CC	TT	TT	INTERGENIC		
SNP_60075B_233482	scaffold1052	NW_004516362.1	233482	AA	GG	GG	INTERGENIC		
SNP_60076B_233513	scaffold1052	NW_004516362.1	233513	CC	TT	TT	INTERGENIC		
SNP_60077B_252443	scaffold1052	NW_004516362.1	252443	TT	AA	AA	INTERGENIC		
SNP_60078B_278328	scaffold1052	NW_004516362.1	278328	AA	GG	GG	INTERGENIC		
SNP_60079B_278526	scaffold1052	NW_004516362.1	278526	TT	CC	CC	INTERGENIC		
SNP_60080B_278766	scaffold1052	NW_004516362.1	278766	TT	AA	AA	INTERGENIC		
SNP_60081B_303304	scaffold1052	NW_004516362.1	303304	TT	CC	CC	INTERGENIC		
SNP_60082B_303457	scaffold1052	NW_004516362.1	303457	CC	TT	TT	INTERGENIC		
SNP_60083B_305208	scaffold1052	NW_004516362.1	305208	TT	CC	CC	INTERGENIC		
SNP_60084B_305283	scaffold1052	NW_004516362.1	305283	GG	AA	AA	INTERGENIC		
SNP_60085B_24453	scaffold1055	NW_004516364.1	24453	CC	TT	TT	INTERGENIC		
SNP_60086B_50387	scaffold1055	NW_004516364.1	50387	TT	GG	GG	INTRON	101507065	GDSL esterase/lipase At5g45910-like
SNP_60087B_50412	scaffold1055	NW_004516364.1	50412	TT	AA	AA	INTRON	101507065	GDSL esterase/lipase At5g45910-like
SNP_60088B_56120	scaffold1055	NW_004516364.1	56120	AA	GG	GG	INTRON	101507065	GDSL esterase/lipase At5g45910-like
SNP_60089B_56414	scaffold1055	NW_004516364.1	56414	TT	CC	CC	INTRON	101507065	GDSL esterase/lipase At5g45910-like
SNP_60090B_56418	scaffold1055	NW_004516364.1	56418	CC	GG	GG	INTRON	101507065	GDSL esterase/lipase At5g45910-like
SNP_60091B_56600	scaffold1055	NW_004516364.1	56600	GG	TT	TT	INTRON	101507065	GDSL esterase/lipase At5g45910-like
SNP_60092B_88791	scaffold1055	NW_004516364.1	88791	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60093B_122906	scaffold1055	NW_004516364.1	122906	GG	CC	CC	INTERGENIC		
SNP_60094B_122911	scaffold1055	NW_004516364.1	122911	TT	AA	AA	INTERGENIC		
SNP_60095B_142473	scaffold1055	NW_004516364.1	142473	TT	CC	CC	INTERGENIC		
SNP_60096B_142714	scaffold1055	NW_004516364.1	142714	GG	TT	TT	INTERGENIC		
SNP_60097B_146720	scaffold1055	NW_004516364.1	146720	GG	AA	AA	INTERGENIC		
SNP_60098B_172375	scaffold1055	NW_004516364.1	172375	AA	TT	TT	INTERGENIC		
SNP_60099B_198082	scaffold1055	NW_004516364.1	198082	CC	TT	TT	INTERGENIC		
SNP_60100B_198090	scaffold1055	NW_004516364.1	198090	CC	TT	TT	INTERGENIC		
SNP_60101B_198101	scaffold1055	NW_004516364.1	198101	CC	AA	AA	INTERGENIC		
SNP_60102B_198115	scaffold1055	NW_004516364.1	198115	TT	GG	GG	INTERGENIC		
SNP_60103B_198120	scaffold1055	NW_004516364.1	198120	GG	AA	AA	INTERGENIC		
SNP_60104B_198284	scaffold1055	NW_004516364.1	198284	CC	TT	TT	INTERGENIC		
SNP_60105B_198301	scaffold1055	NW_004516364.1	198301	GG	TT	TT	INTERGENIC		
SNP_60106B_198309	scaffold1055	NW_004516364.1	198309	TT	CC	CC	INTERGENIC		
SNP_60107B_198325	scaffold1055	NW_004516364.1	198325	CC	TT	TT	INTERGENIC		
SNP_60108B_198340	scaffold1055	NW_004516364.1	198340	TT	AA	AA	INTERGENIC		
SNP_60109B_198384	scaffold1055	NW_004516364.1	198384	CC	AA	AA	INTERGENIC		
SNP_60110B_198386	scaffold1055	NW_004516364.1	198386	GG	AA	AA	INTERGENIC		
SNP_60111B_198407	scaffold1055	NW_004516364.1	198407	TT	AA	AA	INTERGENIC		
SNP_60112B_198413	scaffold1055	NW_004516364.1	198413	CC	TT	TT	INTERGENIC		
SNP_60113B_198416	scaffold1055	NW_004516364.1	198416	GG	AA	AA	INTERGENIC		
SNP_60114B_198429	scaffold1055	NW_004516364.1	198429	CC	TT	TT	INTERGENIC		
SNP_60115B_201198	scaffold1055	NW_004516364.1	201198	TT	CC	CC	INTERGENIC		
SNP_60116B_202843	scaffold1055	NW_004516364.1	202843	GG	CC	CC	INTRON	101509503	GDSL esterase/lipase At5g45910-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60117B_205825	scaffold1055	NW_004516364.1	205825	CC	TT	TT	INTRON	101509503	GDSL esterase/lipase At5g45910-like
SNP_60118B_205971	scaffold1055	NW_004516364.1	205971	TT	AA	AA	INTRON	101509503	GDSL esterase/lipase At5g45910-like
SNP_60119B_213514	scaffold1055	NW_004516364.1	213514	AA	TT	TT	INTERGENIC		
SNP_60120B_218051	scaffold1055	NW_004516364.1	218051	TT	CC	CC	INTERGENIC		
SNP_60121B_218891	scaffold1055	NW_004516364.1	218891	TT	CC	CC	INTERGENIC		
SNP_60122B_239690	scaffold1055	NW_004516364.1	239690	TT	GG	GG	URR	101507694	lysine-specific histone demethylase 1 homolog 2
SNP_60123B_279010	scaffold1055	NW_004516364.1	279010	CC	TT	TT	INTERGENIC		
SNP_60124B_304134	scaffold1055	NW_004516364.1	304134	TT	CC	CC	URR	101508849	PAP-specific phosphatase HAL2-like
SNP_60125B_318027	scaffold1055	NW_004516364.1	318027	AA	GG	GG	SYNONYMOUS_CODING	101509824	cucumisin-like
SNP_60126B_318075	scaffold1055	NW_004516364.1	318075	GG	AA	AA	SYNONYMOUS_CODING	101509824	cucumisin-like
SNP_60127B_318220	scaffold1055	NW_004516364.1	318220	GG	TT	TT	NON_SYNONYMOUS_CODING	101509824	cucumisin-like
SNP_60128B_318328	scaffold1055	NW_004516364.1	318328	AA	CC	CC	INTRON	101509824	cucumisin-like
SNP_60129B_318393	scaffold1055	NW_004516364.1	318393	TT	AA	AA	NON_SYNONYMOUS_CODING	101509824	cucumisin-like
SNP_60130B_318433	scaffold1055	NW_004516364.1	318433	AA	GG	GG	NON_SYNONYMOUS_CODING	101509824	cucumisin-like
SNP_60131B_318503	scaffold1055	NW_004516364.1	318503	TT	CC	CC	NON_SYNONYMOUS_CODING	101509824	cucumisin-like
SNP_60132B_318573	scaffold1055	NW_004516364.1	318573	CC	TT	TT	SPLICE_SITE_REGION	101509824	cucumisin-like
SNP_60133B_335468	scaffold1055	NW_004516364.1	335468	CC	TT	TT	INTERGENIC		
SNP_60134B_339166	scaffold1055	NW_004516364.1	339166	GG	AA	AA	INTERGENIC		
SNP_60135B_339184	scaffold1055	NW_004516364.1	339184	AA	GG	GG	INTERGENIC		
SNP_60136B_339203	scaffold1055	NW_004516364.1	339203	AA	CC	CC	INTERGENIC		
SNP_60137B_339245	scaffold1055	NW_004516364.1	339245	CC	GG	GG	INTERGENIC		
SNP_60138B_339267	scaffold1055	NW_004516364.1	339267	CC	TT	TT	INTERGENIC		
SNP_60140B_339340	scaffold1055	NW_004516364.1	339340	TT	AA	AA	INTERGENIC		
SNP_60141B_339412	scaffold1055	NW_004516364.1	339412	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60142B_339510	scaffold1055	NW_004516364.1	339510	TT	GG	GG	INTERGENIC		
SNP_60143B_339562	scaffold1055	NW_004516364.1	339562	GG	AA	AA	INTERGENIC		
SNP_60144B_339590	scaffold1055	NW_004516364.1	339590	CC	TT	TT	INTERGENIC		
SNP_60145B_339619	scaffold1055	NW_004516364.1	339619	GG	AA	AA	INTERGENIC		
SNP_60146B_339624	scaffold1055	NW_004516364.1	339624	AA	GG	GG	INTERGENIC		
SNP_60147B_339744	scaffold1055	NW_004516364.1	339744	CC	TT	TT	INTERGENIC		
SNP_60148B_339752	scaffold1055	NW_004516364.1	339752	CC	TT	TT	INTERGENIC		
SNP_60149B_339776	scaffold1055	NW_004516364.1	339776	AA	GG	GG	INTERGENIC		
SNP_60150B_339786	scaffold1055	NW_004516364.1	339786	GG	AA	AA	INTERGENIC		
SNP_60151B_339812	scaffold1055	NW_004516364.1	339812	AA	GG	GG	INTERGENIC		
SNP_60152B_339831	scaffold1055	NW_004516364.1	339831	TT	AA	AA	INTERGENIC		
SNP_60153B_339851	scaffold1055	NW_004516364.1	339851	AA	GG	GG	INTERGENIC		
SNP_60154B_339872	scaffold1055	NW_004516364.1	339872	GG	AA	AA	INTERGENIC		
SNP_60155B_339932	scaffold1055	NW_004516364.1	339932	AA	TT	TT	INTERGENIC		
SNP_60156B_339981	scaffold1055	NW_004516364.1	339981	CC	AA	AA	INTERGENIC		
SNP_60157B_340005	scaffold1055	NW_004516364.1	340005	TT	GG	GG	INTERGENIC		
SNP_60159B_340108	scaffold1055	NW_004516364.1	340108	TT	AA	AA	INTERGENIC		
SNP_60160B_340136	scaffold1055	NW_004516364.1	340136	AA	GG	GG	INTERGENIC		
SNP_60161B_340138	scaffold1055	NW_004516364.1	340138	CC	TT	TT	INTERGENIC		
SNP_60162B_340172	scaffold1055	NW_004516364.1	340172	CC	TT	TT	INTERGENIC		
SNP_60163B_340328	scaffold1055	NW_004516364.1	340328	GG	AA	AA	INTERGENIC		
SNP_60164B_340329	scaffold1055	NW_004516364.1	340329	AA	TT	TT	INTERGENIC		
SNP_60165B_340355	scaffold1055	NW_004516364.1	340355	AA	CC	CC	INTERGENIC		
SNP_60166B_340393	scaffold1055	NW_004516364.1	340393	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60167B_340397	scaffold1055	NW_004516364.1	340397	AA	GG	GG	INTERGENIC		
SNP_60169B_340545	scaffold1055	NW_004516364.1	340545	TT	CC	CC	INTERGENIC		
SNP_60170B_340581	scaffold1055	NW_004516364.1	340581	TT	CC	CC	INTERGENIC		
SNP_60171B_340602	scaffold1055	NW_004516364.1	340602	TT	CC	CC	INTERGENIC		
SNP_60173B_340743	scaffold1055	NW_004516364.1	340743	TT	AA	AA	INTERGENIC		
SNP_60174B_340774	scaffold1055	NW_004516364.1	340774	TT	GG	GG	INTERGENIC		
SNP_60175B_340786	scaffold1055	NW_004516364.1	340786	AA	GG	GG	INTERGENIC		
SNP_60176B_340824	scaffold1055	NW_004516364.1	340824	TT	CC	CC	INTERGENIC		
SNP_60177B_340841	scaffold1055	NW_004516364.1	340841	TT	CC	CC	INTERGENIC		
SNP_60178B_340847	scaffold1055	NW_004516364.1	340847	CC	TT	TT	INTERGENIC		
SNP_60179B_341143	scaffold1055	NW_004516364.1	341143	AA	GG	GG	INTERGENIC		
SNP_60180B_341159	scaffold1055	NW_004516364.1	341159	CC	TT	TT	INTERGENIC		
SNP_60181B_341181	scaffold1055	NW_004516364.1	341181	GG	AA	AA	INTERGENIC		
SNP_60182B_341198	scaffold1055	NW_004516364.1	341198	TT	CC	CC	INTERGENIC		
SNP_60183B_341207	scaffold1055	NW_004516364.1	341207	GG	TT	TT	INTERGENIC		
SNP_60184B_341251	scaffold1055	NW_004516364.1	341251	AA	GG	GG	INTERGENIC		
SNP_60185B_341288	scaffold1055	NW_004516364.1	341288	TT	CC	CC	INTERGENIC		
SNP_60186B_341298	scaffold1055	NW_004516364.1	341298	TT	AA	AA	INTERGENIC		
SNP_60187B_341323	scaffold1055	NW_004516364.1	341323	GG	AA	AA	INTERGENIC		
SNP_60188B_343685	scaffold1055	NW_004516364.1	343685	GG	AA	AA	INTERGENIC		
SNP_60189B_23308	scaffold1056	NW_004516365.1	23308	AA	CC	CC	NON_SYNONYMOUS_CODING	101511008	Unknown function
SNP_60190B_26801	scaffold1056	NW_004516365.1	26801	AA	GG	GG	NON_SYNONYMOUS_CODING	101511008	Unknown function
SNP_60191B_128944	scaffold1056	NW_004516365.1	128944	TT	AA	AA	INTERGENIC		
SNP_60194B_1993	scaffold1059	NW_004516368.1	1993	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60195B_632	scaffold1060	NW_004516369.1	632	TT	CC	CC	INTERGENIC		
SNP_60196B_724	scaffold1060	NW_004516369.1	724	TT	CC	CC	INTERGENIC		
SNP_60197B_725	scaffold1060	NW_004516369.1	725	CC	TT	TT	INTERGENIC		
SNP_60198B_731	scaffold1060	NW_004516369.1	731	TT	CC	CC	INTERGENIC		
SNP_60199B_732	scaffold1060	NW_004516369.1	732	CC	TT	TT	INTERGENIC		
SNP_60200B_809	scaffold1060	NW_004516369.1	809	TT	AA	AA	INTERGENIC		
SNP_60201B_810	scaffold1060	NW_004516369.1	810	CC	AA	AA	INTERGENIC		
SNP_60202B_856	scaffold1060	NW_004516369.1	856	AA	GG	GG	INTERGENIC		
SNP_60203B_6569	scaffold1060	NW_004516369.1	6569	TT	GG	GG	INTERGENIC		
SNP_60204B_31182	scaffold1060	NW_004516369.1	31182	GG	AA	AA	INTERGENIC		
SNP_60205B_31202	scaffold1060	NW_004516369.1	31202	GG	AA	AA	INTERGENIC		
SNP_60206B_33274	scaffold1060	NW_004516369.1	33274	GG	AA	AA	INTERGENIC		
SNP_60207B_33333	scaffold1060	NW_004516369.1	33333	GG	AA	AA	INTERGENIC		
SNP_60208B_170224	scaffold1060	NW_004516369.1	170224	GG	TT	TT	INTERGENIC		
SNP_60209B_170228	scaffold1060	NW_004516369.1	170228	TT	GG	GG	INTERGENIC		
SNP_60210B_170252	scaffold1060	NW_004516369.1	170252	CC	AA	AA	INTERGENIC		
SNP_60211B_170273	scaffold1060	NW_004516369.1	170273	GG	AA	AA	INTERGENIC		
SNP_60212B_170344	scaffold1060	NW_004516369.1	170344	AA	GG	GG	INTERGENIC		
SNP_60213B_170347	scaffold1060	NW_004516369.1	170347	TT	CC	CC	INTERGENIC		
SNP_60214B_170398	scaffold1060	NW_004516369.1	170398	CC	TT	TT	INTERGENIC		
SNP_60215B_170469	scaffold1060	NW_004516369.1	170469	AA	GG	GG	INTERGENIC		
SNP_60216B_170480	scaffold1060	NW_004516369.1	170480	AA	GG	GG	INTERGENIC		
SNP_60217B_170533	scaffold1060	NW_004516369.1	170533	AA	CC	CC	INTERGENIC		
SNP_60218B_303519	scaffold1060	NW_004516369.1	303519	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60219B_303542	scaffold1060	NW_004516369.1	303542	TT	CC	CC	INTERGENIC		
SNP_60221B_346747	scaffold1060	NW_004516369.1	346747	AA	GG	GG	INTERGENIC		
SNP_60222B_346751	scaffold1060	NW_004516369.1	346751	GG	CC	CC	INTERGENIC		
SNP_60223B_483027	scaffold1060	NW_004516369.1	483027	GG	AA	AA	INTERGENIC		
SNP_60224B_1909	scaffold1061	NW_004516370.1	1909	TT	CC	CC	INTERGENIC		
SNP_60225B_2014	scaffold1061	NW_004516370.1	2014	CC	GG	GG	INTERGENIC		
SNP_60226B_2069	scaffold1061	NW_004516370.1	2069	GG	AA	AA	INTERGENIC		
SNP_60227B_2355	scaffold1061	NW_004516370.1	2355	AA	GG	GG	INTERGENIC		
SNP_60228B_7256	scaffold1061	NW_004516370.1	7256	TT	CC	CC	INTERGENIC		
SNP_60229B_7568	scaffold1061	NW_004516370.1	7568	AA	GG	GG	INTERGENIC		
SNP_60230B_7588	scaffold1061	NW_004516370.1	7588	CC	TT	TT	INTERGENIC		
SNP_60231B_7605	scaffold1061	NW_004516370.1	7605	CC	GG	GG	INTERGENIC		
SNP_60232B_9644	scaffold1061	NW_004516370.1	9644	TT	GG	GG	INTERGENIC		
SNP_60233B_11488	scaffold1061	NW_004516370.1	11488	AA	TT	TT	INTERGENIC		
SNP_60234B_11525	scaffold1061	NW_004516370.1	11525	AA	GG	GG	INTERGENIC		
SNP_60235B_11530	scaffold1061	NW_004516370.1	11530	TT	CC	CC	INTERGENIC		
SNP_60236B_11550	scaffold1061	NW_004516370.1	11550	GG	CC	CC	INTERGENIC		
SNP_60237B_11681	scaffold1061	NW_004516370.1	11681	AA	GG	GG	INTERGENIC		
SNP_60238B_11686	scaffold1061	NW_004516370.1	11686	CC	TT	TT	INTERGENIC		
SNP_60239B_20892	scaffold1061	NW_004516370.1	20892	GG	AA	AA	INTERGENIC		
SNP_60240B_20910	scaffold1061	NW_004516370.1	20910	TT	CC	CC	INTERGENIC		
SNP_60242B_27636	scaffold1061	NW_004516370.1	27636	CC	TT	TT	INTERGENIC		
SNP_60243B_28578	scaffold1061	NW_004516370.1	28578	AA	GG	GG	INTERGENIC		
SNP_60244B_28678	scaffold1061	NW_004516370.1	28678	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60246B_31628	scaffold1061	NW_004516370.1	31628	GG	AA	AA	INTERGENIC		
SNP_60247B_31633	scaffold1061	NW_004516370.1	31633	TT	CC	CC	INTERGENIC		
SNP_60248B_31722	scaffold1061	NW_004516370.1	31722	TT	CC	CC	INTERGENIC		
SNP_60249B_31732	scaffold1061	NW_004516370.1	31732	CC	GG	GG	INTERGENIC		
SNP_60250B_31888	scaffold1061	NW_004516370.1	31888	TT	GG	GG	INTERGENIC		
SNP_60251B_31900	scaffold1061	NW_004516370.1	31900	GG	TT	TT	INTERGENIC		
SNP_60252B_31954	scaffold1061	NW_004516370.1	31954	AA	CC	CC	INTERGENIC		
SNP_60253B_31959	scaffold1061	NW_004516370.1	31959	GG	CC	CC	INTERGENIC		
SNP_60254B_31969	scaffold1061	NW_004516370.1	31969	AA	TT	TT	INTERGENIC		
SNP_60255B_32089	scaffold1061	NW_004516370.1	32089	GG	TT	TT	INTERGENIC		
SNP_60256B_32234	scaffold1061	NW_004516370.1	32234	TT	GG	GG	INTERGENIC		
SNP_60257B_32858	scaffold1061	NW_004516370.1	32858	AA	GG	GG	INTERGENIC		
SNP_60259B_32907	scaffold1061	NW_004516370.1	32907	GG	TT	TT	INTERGENIC		
SNP_60260B_32935	scaffold1061	NW_004516370.1	32935	TT	CC	CC	INTERGENIC		
SNP_60261B_32941	scaffold1061	NW_004516370.1	32941	AA	GG	GG	INTERGENIC		
SNP_60262B_32972	scaffold1061	NW_004516370.1	32972	TT	CC	CC	INTERGENIC		
SNP_60263B_32975	scaffold1061	NW_004516370.1	32975	TT	AA	AA	INTERGENIC		
SNP_60265B_33022	scaffold1061	NW_004516370.1	33022	TT	CC	CC	INTERGENIC		
SNP_60266B_33049	scaffold1061	NW_004516370.1	33049	GG	CC	CC	INTERGENIC		
SNP_60267B_33192	scaffold1061	NW_004516370.1	33192	AA	GG	GG	INTERGENIC		
SNP_60268B_33278	scaffold1061	NW_004516370.1	33278	TT	CC	CC	INTERGENIC		
SNP_60269B_33347	scaffold1061	NW_004516370.1	33347	AA	TT	TT	INTERGENIC		
SNP_60270B_33379	scaffold1061	NW_004516370.1	33379	AA	GG	GG	INTERGENIC		
SNP_60271B_36106	scaffold1061	NW_004516370.1	36106	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60272B_36198	scaffold1061	NW_004516370.1	36198	CC	TT	TT	INTERGENIC		
SNP_60273B_36231	scaffold1061	NW_004516370.1	36231	TT	AA	AA	INTERGENIC		
SNP_60274B_36289	scaffold1061	NW_004516370.1	36289	TT	AA	AA	INTERGENIC		
SNP_60275B_36337	scaffold1061	NW_004516370.1	36337	GG	AA	AA	INTERGENIC		
SNP_60276B_36477	scaffold1061	NW_004516370.1	36477	TT	CC	CC	INTERGENIC		
SNP_60277B_37970	scaffold1061	NW_004516370.1	37970	GG	AA	AA	INTERGENIC		
SNP_60278B_38271	scaffold1061	NW_004516370.1	38271	AA	GG	GG	INTERGENIC		
SNP_60279B_39834	scaffold1061	NW_004516370.1	39834	TT	CC	CC	INTERGENIC		
SNP_60280B_39884	scaffold1061	NW_004516370.1	39884	AA	GG	GG	INTERGENIC		
SNP_60281B_39947	scaffold1061	NW_004516370.1	39947	GG	TT	TT	INTERGENIC		
SNP_60282B_41200	scaffold1061	NW_004516370.1	41200	AA	CC	CC	INTERGENIC		
SNP_60283B_42650	scaffold1061	NW_004516370.1	42650	CC	GG	GG	INTERGENIC		
SNP_60284B_46224	scaffold1061	NW_004516370.1	46224	AA	GG	GG	INTERGENIC		
SNP_60285B_46439	scaffold1061	NW_004516370.1	46439	GG	TT	TT	INTERGENIC		
SNP_60286B_49599	scaffold1061	NW_004516370.1	49599	CC	AA	AA	INTERGENIC		
SNP_60287B_49638	scaffold1061	NW_004516370.1	49638	AA	GG	GG	INTERGENIC		
SNP_60288B_49665	scaffold1061	NW_004516370.1	49665	GG	TT	TT	INTERGENIC		
SNP_60289B_49674	scaffold1061	NW_004516370.1	49674	AA	TT	TT	INTERGENIC		
SNP_60290B_49683	scaffold1061	NW_004516370.1	49683	AA	TT	TT	INTERGENIC		
SNP_60292B_49942	scaffold1061	NW_004516370.1	49942	GG	AA	AA	INTERGENIC		
SNP_60293B_50968	scaffold1061	NW_004516370.1	50968	CC	AA	AA	INTERGENIC		
SNP_60294B_51273	scaffold1061	NW_004516370.1	51273	CC	TT	TT	INTERGENIC		
SNP_60295B_51378	scaffold1061	NW_004516370.1	51378	TT	GG	GG	INTERGENIC		
SNP_60296B_51466	scaffold1061	NW_004516370.1	51466	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60297B_51479	scaffold1061	NW_004516370.1	51479	CC	TT	TT	INTERGENIC		
SNP_60298B_51746	scaffold1061	NW_004516370.1	51746	TT	CC	CC	INTERGENIC		
SNP_60299B_62047	scaffold1061	NW_004516370.1	62047	CC	GG	GG	INTERGENIC		
SNP_60300B_62138	scaffold1061	NW_004516370.1	62138	TT	AA	AA	INTERGENIC		
SNP_60301B_62377	scaffold1061	NW_004516370.1	62377	TT	CC	CC	INTERGENIC		
SNP_60302B_63358	scaffold1061	NW_004516370.1	63358	AA	GG	GG	INTERGENIC		
SNP_60303B_64079	scaffold1061	NW_004516370.1	64079	GG	CC	CC	INTERGENIC		
SNP_60304B_64115	scaffold1061	NW_004516370.1	64115	GG	AA	AA	INTERGENIC		
SNP_60305B_64145	scaffold1061	NW_004516370.1	64145	AA	TT	TT	INTERGENIC		
SNP_60306B_64149	scaffold1061	NW_004516370.1	64149	TT	CC	CC	INTERGENIC		
SNP_60307B_64423	scaffold1061	NW_004516370.1	64423	GG	AA	AA	INTERGENIC		
SNP_60308B_64499	scaffold1061	NW_004516370.1	64499	TT	CC	CC	INTERGENIC		
SNP_60309B_64860	scaffold1061	NW_004516370.1	64860	TT	AA	AA	INTERGENIC		
SNP_60310B_64869	scaffold1061	NW_004516370.1	64869	AA	CC	CC	INTERGENIC		
SNP_60311B_65006	scaffold1061	NW_004516370.1	65006	TT	GG	GG	INTERGENIC		
SNP_60312B_65025	scaffold1061	NW_004516370.1	65025	TT	GG	GG	INTERGENIC		
SNP_60313B_65072	scaffold1061	NW_004516370.1	65072	CC	TT	TT	INTERGENIC		
SNP_60314B_65178	scaffold1061	NW_004516370.1	65178	TT	CC	CC	INTERGENIC		
SNP_60315B_67146	scaffold1061	NW_004516370.1	67146	GG	AA	AA	INTERGENIC		
SNP_60316B_67173	scaffold1061	NW_004516370.1	67173	AA	TT	TT	INTERGENIC		
SNP_60317B_67176	scaffold1061	NW_004516370.1	67176	CC	AA	AA	INTERGENIC		
SNP_60318B_67710	scaffold1061	NW_004516370.1	67710	TT	CC	CC	INTERGENIC		
SNP_60319B_70031	scaffold1061	NW_004516370.1	70031	AA	CC	CC	INTERGENIC		
SNP_60320B_70666	scaffold1061	NW_004516370.1	70666	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60321B_70793	scaffold1061	NW_004516370.1	70793	GG	AA	AA	INTERGENIC		
SNP_60322B_70842	scaffold1061	NW_004516370.1	70842	TT	GG	GG	INTERGENIC		
SNP_60323B_70872	scaffold1061	NW_004516370.1	70872	AA	GG	GG	INTERGENIC		
SNP_60324B_70961	scaffold1061	NW_004516370.1	70961	AA	TT	TT	INTERGENIC		
SNP_60325B_71016	scaffold1061	NW_004516370.1	71016	CC	TT	TT	INTERGENIC		
SNP_60326B_71029	scaffold1061	NW_004516370.1	71029	AA	CC	CC	INTERGENIC		
SNP_60327B_71206	scaffold1061	NW_004516370.1	71206	AA	GG	GG	INTERGENIC		
SNP_60328B_71265	scaffold1061	NW_004516370.1	71265	TT	AA	AA	INTERGENIC		
SNP_60329B_71335	scaffold1061	NW_004516370.1	71335	AA	CC	CC	INTERGENIC		
SNP_60330B_71463	scaffold1061	NW_004516370.1	71463	CC	GG	GG	INTERGENIC		
SNP_60331B_71464	scaffold1061	NW_004516370.1	71464	AA	GG	GG	INTERGENIC		
SNP_60332B_71487	scaffold1061	NW_004516370.1	71487	TT	AA	AA	INTERGENIC		
SNP_60333B_71497	scaffold1061	NW_004516370.1	71497	AA	TT	TT	INTERGENIC		
SNP_60334B_71507	scaffold1061	NW_004516370.1	71507	GG	AA	AA	INTERGENIC		
SNP_60335B_71627	scaffold1061	NW_004516370.1	71627	AA	GG	GG	INTERGENIC		
SNP_60336B_71650	scaffold1061	NW_004516370.1	71650	TT	AA	AA	INTERGENIC		
SNP_60337B_71660	scaffold1061	NW_004516370.1	71660	AA	TT	TT	INTERGENIC		
SNP_60338B_71670	scaffold1061	NW_004516370.1	71670	GG	AA	AA	INTERGENIC		
SNP_60339B_71719	scaffold1061	NW_004516370.1	71719	GG	CC	CC	INTERGENIC		
SNP_60340B_71721	scaffold1061	NW_004516370.1	71721	GG	TT	TT	INTERGENIC		
SNP_60341B_71932	scaffold1061	NW_004516370.1	71932	TT	AA	AA	INTERGENIC		
SNP_60342B_72036	scaffold1061	NW_004516370.1	72036	TT	CC	CC	INTERGENIC		
SNP_60343B_72056	scaffold1061	NW_004516370.1	72056	GG	AA	AA	INTERGENIC		
SNP_60344B_72139	scaffold1061	NW_004516370.1	72139	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60345B_72150	scaffold1061	NW_004516370.1	72150	CC	TT	TT	INTERGENIC		
SNP_60346B_72166	scaffold1061	NW_004516370.1	72166	TT	GG	GG	INTERGENIC		
SNP_60347B_72167	scaffold1061	NW_004516370.1	72167	GG	AA	AA	INTERGENIC		
SNP_60348B_72171	scaffold1061	NW_004516370.1	72171	TT	AA	AA	INTERGENIC		
SNP_60349B_72224	scaffold1061	NW_004516370.1	72224	AA	CC	CC	INTERGENIC		
SNP_60350B_72273	scaffold1061	NW_004516370.1	72273	AA	GG	GG	INTERGENIC		
SNP_60351B_72599	scaffold1061	NW_004516370.1	72599	AA	GG	GG	INTERGENIC		
SNP_60352B_72604	scaffold1061	NW_004516370.1	72604	CC	TT	TT	INTERGENIC		
SNP_60353B_72670	scaffold1061	NW_004516370.1	72670	GG	CC	CC	INTERGENIC		
SNP_60354B_72700	scaffold1061	NW_004516370.1	72700	CC	GG	GG	INTERGENIC		
SNP_60355B_72979	scaffold1061	NW_004516370.1	72979	AA	GG	GG	INTERGENIC		
SNP_60356B_73086	scaffold1061	NW_004516370.1	73086	TT	CC	CC	INTERGENIC		
SNP_60357B_73197	scaffold1061	NW_004516370.1	73197	AA	GG	GG	INTERGENIC		
SNP_60358B_73500	scaffold1061	NW_004516370.1	73500	AA	TT	TT	INTERGENIC		
SNP_60359B_74407	scaffold1061	NW_004516370.1	74407	CC	AA	AA	INTERGENIC		
SNP_60360B_74410	scaffold1061	NW_004516370.1	74410	TT	CC	CC	INTERGENIC		
SNP_60361B_74444	scaffold1061	NW_004516370.1	74444	AA	TT	TT	INTERGENIC		
SNP_60362B_74565	scaffold1061	NW_004516370.1	74565	GG	CC	CC	INTERGENIC		
SNP_60363B_74578	scaffold1061	NW_004516370.1	74578	AA	CC	CC	INTERGENIC		
SNP_60364B_74668	scaffold1061	NW_004516370.1	74668	TT	GG	GG	INTERGENIC		
SNP_60365B_74676	scaffold1061	NW_004516370.1	74676	TT	CC	CC	INTERGENIC		
SNP_60366B_74687	scaffold1061	NW_004516370.1	74687	GG	AA	AA	INTERGENIC		
SNP_60367B_74725	scaffold1061	NW_004516370.1	74725	CC	TT	TT	INTERGENIC		
SNP_60368B_74802	scaffold1061	NW_004516370.1	74802	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60369B_74816	scaffold1061	NW_004516370.1	74816	TT	CC	CC	INTERGENIC		
SNP_60370B_74825	scaffold1061	NW_004516370.1	74825	CC	GG	GG	INTERGENIC		
SNP_60371B_74847	scaffold1061	NW_004516370.1	74847	TT	AA	AA	INTERGENIC		
SNP_60372B_74850	scaffold1061	NW_004516370.1	74850	AA	TT	TT	INTERGENIC		
SNP_60373B_74871	scaffold1061	NW_004516370.1	74871	AA	GG	GG	INTERGENIC		
SNP_60374B_74933	scaffold1061	NW_004516370.1	74933	TT	CC	CC	INTERGENIC		
SNP_60375B_74946	scaffold1061	NW_004516370.1	74946	TT	AA	AA	INTERGENIC		
SNP_60376B_74966	scaffold1061	NW_004516370.1	74966	AA	TT	TT	INTERGENIC		
SNP_60377B_75000	scaffold1061	NW_004516370.1	75000	TT	GG	GG	INTERGENIC		
SNP_60378B_75026	scaffold1061	NW_004516370.1	75026	GG	AA	AA	INTERGENIC		
SNP_60379B_75037	scaffold1061	NW_004516370.1	75037	CC	TT	TT	INTERGENIC		
SNP_60380B_75055	scaffold1061	NW_004516370.1	75055	CC	AA	AA	INTERGENIC		
SNP_60381B_75093	scaffold1061	NW_004516370.1	75093	CC	AA	AA	INTERGENIC		
SNP_60382B_75168	scaffold1061	NW_004516370.1	75168	CC	TT	TT	INTERGENIC		
SNP_60383B_75172	scaffold1061	NW_004516370.1	75172	TT	CC	CC	INTERGENIC		
SNP_60384B_75361	scaffold1061	NW_004516370.1	75361	AA	TT	TT	INTERGENIC		
SNP_60385B_75404	scaffold1061	NW_004516370.1	75404	TT	CC	CC	INTERGENIC		
SNP_60386B_75438	scaffold1061	NW_004516370.1	75438	TT	GG	GG	INTERGENIC		
SNP_60387B_75562	scaffold1061	NW_004516370.1	75562	CC	TT	TT	INTERGENIC		
SNP_60388B_75566	scaffold1061	NW_004516370.1	75566	AA	GG	GG	INTERGENIC		
SNP_60390B_77003	scaffold1061	NW_004516370.1	77003	TT	CC	CC	INTERGENIC		
SNP_60391B_77066	scaffold1061	NW_004516370.1	77066	AA	CC	CC	INTERGENIC		
SNP_60392B_77108	scaffold1061	NW_004516370.1	77108	AA	CC	CC	INTERGENIC		
SNP_60393B_77177	scaffold1061	NW_004516370.1	77177	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60394B_77208	scaffold1061	NW_004516370.1	77208	CC	AA	AA	INTERGENIC		
SNP_60395B_77248	scaffold1061	NW_004516370.1	77248	AA	CC	CC	INTERGENIC		
SNP_60397B_78219	scaffold1061	NW_004516370.1	78219	AA	CC	CC	INTERGENIC		
SNP_60398B_78241	scaffold1061	NW_004516370.1	78241	GG	TT	TT	INTERGENIC		
SNP_60399B_78410	scaffold1061	NW_004516370.1	78410	TT	CC	CC	INTERGENIC		
SNP_60400B_6470	scaffold1065	NW_004516372.1	6470	AA	GG	GG	INTERGENIC		
SNP_60401B_6475	scaffold1065	NW_004516372.1	6475	TT	AA	AA	INTERGENIC		
SNP_60403B_6850	scaffold1065	NW_004516372.1	6850	CC	TT	TT	INTERGENIC		
SNP_60404B_23552	scaffold1065	NW_004516372.1	23552	GG	TT	TT	INTERGENIC		
SNP_60405B_31303	scaffold1065	NW_004516372.1	31303	TT	AA	AA	INTERGENIC		
SNP_60406B_42673	scaffold1065	NW_004516372.1	42673	GG	TT	TT	INTRON	101494365	uncharacterized LOC101494365
SNP_60407B_75315	scaffold1065	NW_004516372.1	75315	CC	TT	TT	INTERGENIC		
SNP_60408B_165252	scaffold1065	NW_004516372.1	165252	CC	AA	AA	INTERGENIC		
SNP_60409B_165487	scaffold1065	NW_004516372.1	165487	TT	CC	CC	INTERGENIC		
SNP_60410B_165503	scaffold1065	NW_004516372.1	165503	TT	GG	GG	INTERGENIC		
SNP_60411B_1097	scaffold1066	NW_004516373.1	1097	AA	GG	GG	INTERGENIC		
SNP_60412B_927	scaffold1067	NW_004516374.1	927	TT	CC	CC	INTERGENIC		
SNP_60413B_1097	scaffold1067	NW_004516374.1	1097	CC	TT	TT	INTERGENIC		
SNP_60414B_1180	scaffold1067	NW_004516374.1	1180	CC	AA	AA	INTERGENIC		
SNP_60415B_1409	scaffold1067	NW_004516374.1	1409	AA	GG	GG	INTERGENIC		
SNP_60416B_1731	scaffold1067	NW_004516374.1	1731	CC	TT	TT	INTERGENIC		
SNP_60417B_1748	scaffold1067	NW_004516374.1	1748	GG	AA	AA	INTERGENIC		
SNP_60418B_2149	scaffold1067	NW_004516374.1	2149	GG	AA	AA	INTERGENIC		
SNP_60419B_2397	scaffold1067	NW_004516374.1	2397	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60420B_2427	scaffold1067	NW_004516374.1	2427	CC	TT	TT	INTERGENIC		
SNP_60421B_18762	scaffold1067	NW_004516374.1	18762	AA	CC	CC	INTERGENIC		
SNP_60422B_18782	scaffold1067	NW_004516374.1	18782	GG	AA	AA	INTERGENIC		
SNP_60423B_18803	scaffold1067	NW_004516374.1	18803	TT	CC	CC	INTERGENIC		
SNP_60424B_19061	scaffold1067	NW_004516374.1	19061	TT	CC	CC	INTERGENIC		
SNP_60425B_19099	scaffold1067	NW_004516374.1	19099	TT	CC	CC	INTERGENIC		
SNP_60426B_19110	scaffold1067	NW_004516374.1	19110	CC	TT	TT	INTERGENIC		
SNP_60427B_19120	scaffold1067	NW_004516374.1	19120	AA	TT	TT	INTERGENIC		
SNP_60428B_19127	scaffold1067	NW_004516374.1	19127	GG	AA	AA	INTERGENIC		
SNP_60429B_36594	scaffold1067	NW_004516374.1	36594	GG	AA	AA	DRR	101495317	mediator of RNA polymerase II transcription subunit 27
SNP_60430B_155326	scaffold1067	NW_004516374.1	155326	GG	CC	CC	INTERGENIC		
SNP_60432B_195980	scaffold1067	NW_004516374.1	195980	AA	TT	TT	DRR	101496746	Unknown function
SNP_60433B_195996	scaffold1067	NW_004516374.1	195996	GG	TT	TT	DRR	101496746	Unknown function
SNP_60434B_196147	scaffold1067	NW_004516374.1	196147	AA	GG	GG	DRR	101496746	Unknown function
SNP_60435B_203031	scaffold1067	NW_004516374.1	203031	GG	CC	CC	INTERGENIC		
SNP_60436B_203038	scaffold1067	NW_004516374.1	203038	GG	TT	TT	INTERGENIC		
SNP_60437B_203042	scaffold1067	NW_004516374.1	203042	CC	TT	TT	INTERGENIC		
SNP_60440B_214070	scaffold1067	NW_004516374.1	214070	TT	CC	CC	DRR	101497055	Unknown function
SNP_60441B_214071	scaffold1067	NW_004516374.1	214071	AA	GG	GG	DRR	101497055	Unknown function
SNP_60442B_214104	scaffold1067	NW_004516374.1	214104	TT	GG	GG	DRR	101497055	Unknown function
SNP_60443B_214142	scaffold1067	NW_004516374.1	214142	TT	GG	GG	DRR	101497055	Unknown function
SNP_60444B_214158	scaffold1067	NW_004516374.1	214158	GG	AA	AA	DRR	101497055	Unknown function
SNP_60445B_214197	scaffold1067	NW_004516374.1	214197	TT	CC	CC	DRR	101497055	Unknown function
SNP_60446B_214243	scaffold1067	NW_004516374.1	214243	TT	CC	CC	DRR	101497055	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60447B_214283	scaffold1067	NW_004516374.1	214283	TT	AA	AA	DRR	101497055	Unknown function
SNP_60448B_214286	scaffold1067	NW_004516374.1	214286	AA	GG	GG	DRR	101497055	Unknown function
SNP_60449B_214306	scaffold1067	NW_004516374.1	214306	TT	GG	GG	DRR	101497055	Unknown function
SNP_60450B_214314	scaffold1067	NW_004516374.1	214314	TT	GG	GG	DRR	101497055	Unknown function
SNP_60451B_214383	scaffold1067	NW_004516374.1	214383	CC	GG	GG	DRR	101497055	Unknown function
SNP_60452B_214475	scaffold1067	NW_004516374.1	214475	CC	AA	AA	DRR	101497055	Unknown function
SNP_60453B_214724	scaffold1067	NW_004516374.1	214724	TT	CC	CC	DRR	101497055	Unknown function
SNP_60454B_222204	scaffold1067	NW_004516374.1	222204	TT	CC	CC	INTRON	101497055	Unknown function
SNP_60455B_222214	scaffold1067	NW_004516374.1	222214	AA	GG	GG	INTRON	101497055	Unknown function
SNP_60456B_222226	scaffold1067	NW_004516374.1	222226	TT	CC	CC	INTRON	101497055	Unknown function
SNP_60457B_222290	scaffold1067	NW_004516374.1	222290	AA	TT	TT	INTRON	101497055	Unknown function
SNP_60458B_222391	scaffold1067	NW_004516374.1	222391	TT	GG	GG	INTRON	101497055	Unknown function
SNP_60459B_222395	scaffold1067	NW_004516374.1	222395	TT	GG	GG	INTRON	101497055	Unknown function
SNP_60460B_222396	scaffold1067	NW_004516374.1	222396	TT	CC	CC	INTRON	101497055	Unknown function
SNP_60461B_222399	scaffold1067	NW_004516374.1	222399	TT	CC	CC	INTRON	101497055	Unknown function
SNP_60462B_222402	scaffold1067	NW_004516374.1	222402	AA	GG	GG	INTRON	101497055	Unknown function
SNP_60464B_222506	scaffold1067	NW_004516374.1	222506	TT	GG	GG	INTRON	101497055	Unknown function
SNP_60465B_222568	scaffold1067	NW_004516374.1	222568	TT	GG	GG	NON_SYNONYMOUS_CODING	101497055	Unknown function
SNP_60466B_222574	scaffold1067	NW_004516374.1	222574	TT	CC	CC	NON_SYNONYMOUS_CODING	101497055	Unknown function
SNP_60467B_222584	scaffold1067	NW_004516374.1	222584	TT	CC	CC	SYNONYMOUS_CODING	101497055	Unknown function
SNP_60468B_222626	scaffold1067	NW_004516374.1	222626	TT	CC	CC	SYNONYMOUS_CODING	101497055	Unknown function
SNP_60469B_222628	scaffold1067	NW_004516374.1	222628	TT	GG	GG	NON_SYNONYMOUS_CODING	101497055	Unknown function
SNP_60470B_222685	scaffold1067	NW_004516374.1	222685	AA	GG	GG	NON_SYNONYMOUS_CODING	101497055	Unknown function
SNP_60471B_222695	scaffold1067	NW_004516374.1	222695	TT	GG	GG	NON_SYNONYMOUS_CODING	101497055	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60472B_222696	scaffold1067	NW_004516374.1	222696	TT	CC	CC	STOP_LOST	101497055	Unknown function
SNP_60473B_222698	scaffold1067	NW_004516374.1	222698	GG	AA	AA	SYNONYMOUS_STOP	101497055	Unknown function
SNP_60474B_222791	scaffold1067	NW_004516374.1	222791	AA	GG	GG	INTRON	101497055	Unknown function
SNP_60475B_222855	scaffold1067	NW_004516374.1	222855	AA	GG	GG	INTRON	101497055	Unknown function
SNP_60477B_234905	scaffold1067	NW_004516374.1	234905	AA	GG	GG	INTRON	101497055	Unknown function
SNP_60478B_235117	scaffold1067	NW_004516374.1	235117	TT	GG	GG	INTRON	101497055	Unknown function
SNP_60479B_235124	scaffold1067	NW_004516374.1	235124	TT	GG	GG	INTRON	101497055	Unknown function
SNP_60480B_235130	scaffold1067	NW_004516374.1	235130	GG	AA	AA	INTRON	101497055	Unknown function
SNP_60481B_235166	scaffold1067	NW_004516374.1	235166	TT	CC	CC	INTRON	101497055	Unknown function
SNP_60482B_235171	scaffold1067	NW_004516374.1	235171	TT	CC	CC	INTRON	101497055	Unknown function
SNP_60483B_235173	scaffold1067	NW_004516374.1	235173	TT	CC	CC	INTRON	101497055	Unknown function
SNP_60484B_235179	scaffold1067	NW_004516374.1	235179	CC	AA	AA	INTRON	101497055	Unknown function
SNP_60485B_235247	scaffold1067	NW_004516374.1	235247	CC	AA	AA	INTRON	101497055	Unknown function
SNP_60486B_235248	scaffold1067	NW_004516374.1	235248	TT	CC	CC	INTRON	101497055	Unknown function
SNP_60487B_235264	scaffold1067	NW_004516374.1	235264	AA	CC	CC	INTRON	101497055	Unknown function
SNP_60488B_235291	scaffold1067	NW_004516374.1	235291	TT	AA	AA	INTRON	101497055	Unknown function
SNP_60489B_235310	scaffold1067	NW_004516374.1	235310	AA	GG	GG	INTRON	101497055	Unknown function
SNP_60490B_235319	scaffold1067	NW_004516374.1	235319	GG	AA	AA	INTRON	101497055	Unknown function
SNP_60491B_235365	scaffold1067	NW_004516374.1	235365	TT	CC	CC	INTRON	101497055	Unknown function
SNP_60492B_235372	scaffold1067	NW_004516374.1	235372	AA	GG	GG	INTRON	101497055	Unknown function
SNP_60493B_235459	scaffold1067	NW_004516374.1	235459	AA	GG	GG	INTRON	101497055	Unknown function
SNP_60494B_235463	scaffold1067	NW_004516374.1	235463	TT	GG	GG	INTRON	101497055	Unknown function
SNP_60495B_235467	scaffold1067	NW_004516374.1	235467	TT	CC	CC	INTRON	101497055	Unknown function
SNP_60496B_235487	scaffold1067	NW_004516374.1	235487	AA	GG	GG	INTRON	101497055	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60497B_235496	scaffold1067	NW_004516374.1	235496	AA	GG	GG	INTRON	101497055	Unknown function
SNP_60498B_235501	scaffold1067	NW_004516374.1	235501	TT	CC	CC	INTRON	101497055	Unknown function
SNP_60499B_235554	scaffold1067	NW_004516374.1	235554	TT	AA	AA	INTRON	101497055	Unknown function
SNP_60500B_235570	scaffold1067	NW_004516374.1	235570	AA	GG	GG	INTRON	101497055	Unknown function
SNP_60501B_235595	scaffold1067	NW_004516374.1	235595	TT	CC	CC	INTRON	101497055	Unknown function
SNP_60502B_235616	scaffold1067	NW_004516374.1	235616	TT	CC	CC	INTRON	101497055	Unknown function
SNP_60503B_235664	scaffold1067	NW_004516374.1	235664	TT	CC	CC	INTRON	101497055	Unknown function
SNP_60504B_235668	scaffold1067	NW_004516374.1	235668	GG	CC	CC	INTRON	101497055	Unknown function
SNP_60505B_235681	scaffold1067	NW_004516374.1	235681	TT	CC	CC	INTRON	101497055	Unknown function
SNP_60506B_235702	scaffold1067	NW_004516374.1	235702	TT	CC	CC	INTRON	101497055	Unknown function
SNP_60507B_235728	scaffold1067	NW_004516374.1	235728	AA	GG	GG	INTRON	101497055	Unknown function
SNP_60508B_235748	scaffold1067	NW_004516374.1	235748	CC	GG	GG	INTRON	101497055	Unknown function
SNP_60509B_235771	scaffold1067	NW_004516374.1	235771	AA	CC	CC	INTRON	101497055	Unknown function
SNP_60510B_235818	scaffold1067	NW_004516374.1	235818	AA	TT	TT	INTRON	101497055	Unknown function
SNP_60511B_235830	scaffold1067	NW_004516374.1	235830	TT	CC	CC	INTRON	101497055	Unknown function
SNP_60512B_235832	scaffold1067	NW_004516374.1	235832	TT	CC	CC	INTRON	101497055	Unknown function
SNP_60513B_235852	scaffold1067	NW_004516374.1	235852	GG	CC	CC	INTRON	101497055	Unknown function
SNP_60514B_235861	scaffold1067	NW_004516374.1	235861	TT	AA	AA	INTRON	101497055	Unknown function
SNP_60515B_235882	scaffold1067	NW_004516374.1	235882	AA	CC	CC	INTRON	101497055	Unknown function
SNP_60516B_235907	scaffold1067	NW_004516374.1	235907	TT	CC	CC	INTRON	101497055	Unknown function
SNP_60517B_235918	scaffold1067	NW_004516374.1	235918	TT	CC	CC	INTRON	101497055	Unknown function
SNP_60518B_235953	scaffold1067	NW_004516374.1	235953	TT	CC	CC	INTRON	101497055	Unknown function
SNP_60519B_235954	scaffold1067	NW_004516374.1	235954	TT	GG	GG	INTRON	101497055	Unknown function
SNP_60520B_235982	scaffold1067	NW_004516374.1	235982	TT	CC	CC	INTRON	101497055	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60521B_235991	scaffold1067	NW_004516374.1	235991	AA	GG	GG	INTRON	101497055	Unknown function
SNP_60522B_236026	scaffold1067	NW_004516374.1	236026	TT	AA	AA	INTRON	101497055	Unknown function
SNP_60523B_236035	scaffold1067	NW_004516374.1	236035	TT	GG	GG	INTRON	101497055	Unknown function
SNP_60524B_236058	scaffold1067	NW_004516374.1	236058	AA	GG	GG	INTRON	101497055	Unknown function
SNP_60525B_236079	scaffold1067	NW_004516374.1	236079	AA	GG	GG	INTRON	101497055	Unknown function
SNP_60526B_236134	scaffold1067	NW_004516374.1	236134	TT	CC	CC	INTRON	101497055	Unknown function
SNP_60527B_236137	scaffold1067	NW_004516374.1	236137	TT	CC	CC	INTRON	101497055	Unknown function
SNP_60528B_236198	scaffold1067	NW_004516374.1	236198	AA	GG	GG	NON_SYNONYMOUS_CODING	101497055	Unknown function
SNP_60529B_236209	scaffold1067	NW_004516374.1	236209	TT	CC	CC	SYNONYMOUS_CODING	101497055	Unknown function
SNP_60530B_236270	scaffold1067	NW_004516374.1	236270	TT	CC	CC	SYNONYMOUS_CODING	101497055	Unknown function
SNP_60531B_236320	scaffold1067	NW_004516374.1	236320	AA	GG	GG	SYNONYMOUS_CODING	101497055	Unknown function
SNP_60532B_236326	scaffold1067	NW_004516374.1	236326	TT	GG	GG	SYNONYMOUS_CODING	101497055	Unknown function
SNP_60533B_236416	scaffold1067	NW_004516374.1	236416	TT	GG	GG	NON_SYNONYMOUS_CODING	101497055	Unknown function
SNP_60534B_236419	scaffold1067	NW_004516374.1	236419	AA	GG	GG	INTERGENIC		
SNP_60535B_236482	scaffold1067	NW_004516374.1	236482	TT	GG	GG	INTERGENIC		
SNP_60536B_236503	scaffold1067	NW_004516374.1	236503	AA	CC	CC	INTERGENIC		
SNP_60537B_236550	scaffold1067	NW_004516374.1	236550	AA	CC	CC	INTERGENIC		
SNP_60538B_236574	scaffold1067	NW_004516374.1	236574	AA	GG	GG	URR	101497055	Unknown function
SNP_60539B_236576	scaffold1067	NW_004516374.1	236576	AA	GG	GG	URR	101497055	Unknown function
SNP_60540B_236584	scaffold1067	NW_004516374.1	236584	AA	GG	GG	URR	101497055	Unknown function
SNP_60541B_236585	scaffold1067	NW_004516374.1	236585	TT	CC	CC	URR	101497055	Unknown function
SNP_60542B_236597	scaffold1067	NW_004516374.1	236597	CC	AA	AA	URR	101497055	Unknown function
SNP_60543B_236612	scaffold1067	NW_004516374.1	236612	AA	GG	GG	URR	101497055	Unknown function
SNP_60544B_236650	scaffold1067	NW_004516374.1	236650	AA	GG	GG	URR	101497055	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60545B_236657	scaffold1067	NW_004516374.1	236657	TT	CC	CC	URR	101497055	Unknown function
SNP_60546B_236675	scaffold1067	NW_004516374.1	236675	TT	GG	GG	URR	101497055	Unknown function
SNP_60547B_236690	scaffold1067	NW_004516374.1	236690	TT	GG	GG	URR	101497055	Unknown function
SNP_60548B_236691	scaffold1067	NW_004516374.1	236691	AA	GG	GG	URR	101497055	Unknown function
SNP_60549B_236713	scaffold1067	NW_004516374.1	236713	CC	TT	TT	URR	101497055	Unknown function
SNP_60550B_236715	scaffold1067	NW_004516374.1	236715	TT	CC	CC	URR	101497055	Unknown function
SNP_60551B_236727	scaffold1067	NW_004516374.1	236727	AA	CC	CC	URR	101497055	Unknown function
SNP_60552B_236801	scaffold1067	NW_004516374.1	236801	AA	GG	GG	URR	101497055	Unknown function
SNP_60553B_236804	scaffold1067	NW_004516374.1	236804	AA	GG	GG	URR	101497055	Unknown function
SNP_60554B_236814	scaffold1067	NW_004516374.1	236814	GG	AA	AA	URR	101497055	Unknown function
SNP_60555B_236834	scaffold1067	NW_004516374.1	236834	AA	CC	CC	URR	101497055	Unknown function
SNP_60556B_236871	scaffold1067	NW_004516374.1	236871	TT	CC	CC	URR	101497055	Unknown function
SNP_60557B_236903	scaffold1067	NW_004516374.1	236903	TT	CC	CC	URR	101497055	Unknown function
SNP_60558B_236951	scaffold1067	NW_004516374.1	236951	CC	GG	GG	URR	101497055	Unknown function
SNP_60559B_236952	scaffold1067	NW_004516374.1	236952	AA	TT	TT	URR	101497055	Unknown function
SNP_60560B_236989	scaffold1067	NW_004516374.1	236989	CC	TT	TT	URR	101497055	Unknown function
SNP_60561B_236992	scaffold1067	NW_004516374.1	236992	AA	GG	GG	URR	101497055	Unknown function
SNP_60562B_237022	scaffold1067	NW_004516374.1	237022	TT	CC	CC	URR	101497055	Unknown function
SNP_60563B_237055	scaffold1067	NW_004516374.1	237055	GG	TT	TT	URR	101497055	Unknown function
SNP_60564B_237071	scaffold1067	NW_004516374.1	237071	AA	GG	GG	URR	101497055	Unknown function
SNP_60565B_237106	scaffold1067	NW_004516374.1	237106	TT	AA	AA	URR	101497055	Unknown function
SNP_60566B_237109	scaffold1067	NW_004516374.1	237109	AA	CC	CC	URR	101497055	Unknown function
SNP_60567B_237127	scaffold1067	NW_004516374.1	237127	AA	GG	GG	URR	101497055	Unknown function
SNP_60568B_237152	scaffold1067	NW_004516374.1	237152	TT	AA	AA	URR	101497055	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60569B_237154	scaffold1067	NW_004516374.1	237154	AA	GG	GG	URR	101497055	Unknown function
SNP_60570B_237188	scaffold1067	NW_004516374.1	237188	TT	CC	CC	URR	101497055	Unknown function
SNP_60571B_237240	scaffold1067	NW_004516374.1	237240	TT	CC	CC	URR	101497055	Unknown function
SNP_60572B_237269	scaffold1067	NW_004516374.1	237269	AA	CC	CC	URR	101497055	Unknown function
SNP_60573B_237306	scaffold1067	NW_004516374.1	237306	AA	CC	CC	URR	101497055	Unknown function
SNP_60574B_237311	scaffold1067	NW_004516374.1	237311	GG	AA	AA	URR	101497055	Unknown function
SNP_60575B_237325	scaffold1067	NW_004516374.1	237325	TT	CC	CC	URR	101497055	Unknown function
SNP_60576B_237334	scaffold1067	NW_004516374.1	237334	AA	GG	GG	URR	101497055	Unknown function
SNP_60577B_237339	scaffold1067	NW_004516374.1	237339	TT	CC	CC	URR	101497055	Unknown function
SNP_60578B_237340	scaffold1067	NW_004516374.1	237340	TT	AA	AA	URR	101497055	Unknown function
SNP_60579B_237395	scaffold1067	NW_004516374.1	237395	GG	AA	AA	URR	101497055	Unknown function
SNP_60580B_237506	scaffold1067	NW_004516374.1	237506	AA	GG	GG	URR	101497055	Unknown function
SNP_60581B_237509	scaffold1067	NW_004516374.1	237509	AA	CC	CC	URR	101497055	Unknown function
SNP_60582B_237510	scaffold1067	NW_004516374.1	237510	TT	CC	CC	URR	101497055	Unknown function
SNP_60583B_237518	scaffold1067	NW_004516374.1	237518	AA	GG	GG	URR	101497055	Unknown function
SNP_60584B_237528	scaffold1067	NW_004516374.1	237528	TT	AA	AA	URR	101497055	Unknown function
SNP_60585B_237536	scaffold1067	NW_004516374.1	237536	TT	CC	CC	URR	101497055	Unknown function
SNP_60586B_237537	scaffold1067	NW_004516374.1	237537	CC	TT	TT	URR	101497055	Unknown function
SNP_60587B_237569	scaffold1067	NW_004516374.1	237569	AA	GG	GG	URR	101497055	Unknown function
SNP_60588B_237597	scaffold1067	NW_004516374.1	237597	AA	CC	CC	URR	101497055	Unknown function
SNP_60589B_237637	scaffold1067	NW_004516374.1	237637	TT	CC	CC	URR	101497055	Unknown function
SNP_60590B_237645	scaffold1067	NW_004516374.1	237645	TT	AA	AA	URR	101497055	Unknown function
SNP_60591B_237655	scaffold1067	NW_004516374.1	237655	TT	CC	CC	URR	101497055	Unknown function
SNP_60592B_237669	scaffold1067	NW_004516374.1	237669	TT	GG	GG	URR	101497055	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60593B_237701	scaffold1067	NW_004516374.1	237701	GG	TT	TT	URR	101497055	Unknown function
SNP_60594B_237769	scaffold1067	NW_004516374.1	237769	AA	GG	GG	URR	101497055	Unknown function
SNP_60595B_237789	scaffold1067	NW_004516374.1	237789	AA	GG	GG	URR	101497055	Unknown function
SNP_60596B_237793	scaffold1067	NW_004516374.1	237793	AA	GG	GG	URR	101497055	Unknown function
SNP_60597B_237871	scaffold1067	NW_004516374.1	237871	TT	CC	CC	URR	101497055	Unknown function
SNP_60598B_237893	scaffold1067	NW_004516374.1	237893	AA	TT	TT	URR	101497055	Unknown function
SNP_60599B_237948	scaffold1067	NW_004516374.1	237948	AA	GG	GG	URR	101497055	Unknown function
SNP_60600B_238009	scaffold1067	NW_004516374.1	238009	TT	GG	GG	URR	101497055	Unknown function
SNP_60601B_238078	scaffold1067	NW_004516374.1	238078	TT	GG	GG	URR	101497055	Unknown function
SNP_60602B_238087	scaffold1067	NW_004516374.1	238087	CC	AA	AA	URR	101497055	Unknown function
SNP_60603B_238139	scaffold1067	NW_004516374.1	238139	TT	CC	CC	URR	101497055	Unknown function
SNP_60604B_238163	scaffold1067	NW_004516374.1	238163	CC	AA	AA	URR	101497055	Unknown function
SNP_60605B_238208	scaffold1067	NW_004516374.1	238208	TT	AA	AA	URR	101497055	Unknown function
SNP_60606B_238222	scaffold1067	NW_004516374.1	238222	CC	GG	GG	URR	101497055	Unknown function
SNP_60607B_238238	scaffold1067	NW_004516374.1	238238	AA	CC	CC	URR	101497055	Unknown function
SNP_60608B_238263	scaffold1067	NW_004516374.1	238263	AA	CC	CC	URR	101497055	Unknown function
SNP_60609B_238282	scaffold1067	NW_004516374.1	238282	AA	GG	GG	URR	101497055	Unknown function
SNP_60610B_238324	scaffold1067	NW_004516374.1	238324	TT	CC	CC	URR	101497055	Unknown function
SNP_60611B_238331	scaffold1067	NW_004516374.1	238331	AA	GG	GG	URR	101497055	Unknown function
SNP_60612B_238411	scaffold1067	NW_004516374.1	238411	TT	GG	GG	URR	101497055	Unknown function
SNP_60613B_238429	scaffold1067	NW_004516374.1	238429	TT	GG	GG	URR	101497055	Unknown function
SNP_60614B_238442	scaffold1067	NW_004516374.1	238442	TT	CC	CC	URR	101497055	Unknown function
SNP_60615B_238473	scaffold1067	NW_004516374.1	238473	CC	GG	GG	URR	101497055	Unknown function
SNP_60616B_238546	scaffold1067	NW_004516374.1	238546	GG	AA	AA	URR	101497055	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60617B_238547	scaffold1067	NW_004516374.1	238547	TT	CC	CC	URR	101497055	Unknown function
SNP_60618B_238576	scaffold1067	NW_004516374.1	238576	AA	GG	GG	INTERGENIC		
SNP_60620B_238614	scaffold1067	NW_004516374.1	238614	AA	CC	CC	INTERGENIC		
SNP_60622B_238944	scaffold1067	NW_004516374.1	238944	AA	CC	CC	INTERGENIC		
SNP_60623B_238965	scaffold1067	NW_004516374.1	238965	CC	AA	AA	INTERGENIC		
SNP_60624B_239002	scaffold1067	NW_004516374.1	239002	CC	AA	AA	INTERGENIC		
SNP_60625B_239043	scaffold1067	NW_004516374.1	239043	TT	CC	CC	INTERGENIC		
SNP_60626B_239045	scaffold1067	NW_004516374.1	239045	AA	GG	GG	INTERGENIC		
SNP_60627B_239047	scaffold1067	NW_004516374.1	239047	CC	GG	GG	INTERGENIC		
SNP_60628B_239064	scaffold1067	NW_004516374.1	239064	TT	CC	CC	INTERGENIC		
SNP_60629B_239100	scaffold1067	NW_004516374.1	239100	TT	CC	CC	INTERGENIC		
SNP_60630B_239150	scaffold1067	NW_004516374.1	239150	AA	CC	CC	INTERGENIC		
SNP_60631B_239157	scaffold1067	NW_004516374.1	239157	CC	AA	AA	INTERGENIC		
SNP_60632B_239234	scaffold1067	NW_004516374.1	239234	AA	CC	CC	INTERGENIC		
SNP_60633B_239253	scaffold1067	NW_004516374.1	239253	TT	CC	CC	INTERGENIC		
SNP_60634B_239302	scaffold1067	NW_004516374.1	239302	TT	CC	CC	INTERGENIC		
SNP_60635B_239304	scaffold1067	NW_004516374.1	239304	TT	CC	CC	INTERGENIC		
SNP_60636B_239339	scaffold1067	NW_004516374.1	239339	TT	CC	CC	INTERGENIC		
SNP_60637B_239395	scaffold1067	NW_004516374.1	239395	TT	GG	GG	INTERGENIC		
SNP_60638B_239396	scaffold1067	NW_004516374.1	239396	AA	GG	GG	INTERGENIC		
SNP_60639B_239434	scaffold1067	NW_004516374.1	239434	GG	CC	CC	INTERGENIC		
SNP_60640B_239450	scaffold1067	NW_004516374.1	239450	AA	GG	GG	INTERGENIC		
SNP_60641B_239492	scaffold1067	NW_004516374.1	239492	AA	CC	CC	INTERGENIC		
SNP_60642B_239493	scaffold1067	NW_004516374.1	239493	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60643B_239552	scaffold1067	NW_004516374.1	239552	TT	GG	GG	INTERGENIC		
SNP_60644B_239553	scaffold1067	NW_004516374.1	239553	TT	CC	CC	INTERGENIC		
SNP_60645B_239595	scaffold1067	NW_004516374.1	239595	TT	AA	AA	INTERGENIC		
SNP_60646B_239647	scaffold1067	NW_004516374.1	239647	TT	GG	GG	INTERGENIC		
SNP_60647B_239688	scaffold1067	NW_004516374.1	239688	TT	CC	CC	INTERGENIC		
SNP_60648B_239706	scaffold1067	NW_004516374.1	239706	AA	GG	GG	INTERGENIC		
SNP_60649B_239742	scaffold1067	NW_004516374.1	239742	AA	GG	GG	INTERGENIC		
SNP_60650B_239844	scaffold1067	NW_004516374.1	239844	TT	CC	CC	INTERGENIC		
SNP_60651B_239845	scaffold1067	NW_004516374.1	239845	TT	CC	CC	INTERGENIC		
SNP_60652B_239852	scaffold1067	NW_004516374.1	239852	AA	CC	CC	INTERGENIC		
SNP_60653B_239857	scaffold1067	NW_004516374.1	239857	AA	CC	CC	INTERGENIC		
SNP_60654B_239884	scaffold1067	NW_004516374.1	239884	GG	CC	CC	INTERGENIC		
SNP_60655B_239891	scaffold1067	NW_004516374.1	239891	TT	GG	GG	INTERGENIC		
SNP_60656B_239895	scaffold1067	NW_004516374.1	239895	AA	GG	GG	INTERGENIC		
SNP_60657B_239952	scaffold1067	NW_004516374.1	239952	AA	CC	CC	INTERGENIC		
SNP_60658B_240002	scaffold1067	NW_004516374.1	240002	CC	TT	TT	INTERGENIC		
SNP_60659B_240035	scaffold1067	NW_004516374.1	240035	TT	GG	GG	INTERGENIC		
SNP_60660B_240039	scaffold1067	NW_004516374.1	240039	GG	TT	TT	INTERGENIC		
SNP_60661B_240049	scaffold1067	NW_004516374.1	240049	TT	GG	GG	INTERGENIC		
SNP_60662B_240054	scaffold1067	NW_004516374.1	240054	TT	GG	GG	INTERGENIC		
SNP_60663B_240062	scaffold1067	NW_004516374.1	240062	TT	CC	CC	INTERGENIC		
SNP_60664B_240087	scaffold1067	NW_004516374.1	240087	TT	CC	CC	INTERGENIC		
SNP_60665B_240106	scaffold1067	NW_004516374.1	240106	AA	GG	GG	INTERGENIC		
SNP_60666B_240122	scaffold1067	NW_004516374.1	240122	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60667B_240144	scaffold1067	NW_004516374.1	240144	TT	GG	GG	INTERGENIC		
SNP_60668B_240145	scaffold1067	NW_004516374.1	240145	TT	CC	CC	INTERGENIC		
SNP_60669B_240150	scaffold1067	NW_004516374.1	240150	TT	CC	CC	INTERGENIC		
SNP_60670B_240249	scaffold1067	NW_004516374.1	240249	TT	CC	CC	DRR	101498385	Unknown function
SNP_60671B_240262	scaffold1067	NW_004516374.1	240262	AA	TT	TT	DRR	101498385	Unknown function
SNP_60672B_240320	scaffold1067	NW_004516374.1	240320	AA	GG	GG	DRR	101498385	Unknown function
SNP_60673B_240329	scaffold1067	NW_004516374.1	240329	AA	GG	GG	DRR	101498385	Unknown function
SNP_60674B_240347	scaffold1067	NW_004516374.1	240347	TT	CC	CC	DRR	101498385	Unknown function
SNP_60675B_240368	scaffold1067	NW_004516374.1	240368	TT	GG	GG	DRR	101498385	Unknown function
SNP_60676B_240401	scaffold1067	NW_004516374.1	240401	TT	GG	GG	DRR	101498385	Unknown function
SNP_60677B_240412	scaffold1067	NW_004516374.1	240412	AA	GG	GG	DRR	101498385	Unknown function
SNP_60678B_240468	scaffold1067	NW_004516374.1	240468	AA	GG	GG	DRR	101498385	Unknown function
SNP_60679B_240483	scaffold1067	NW_004516374.1	240483	AA	GG	GG	DRR	101498385	Unknown function
SNP_60680B_240513	scaffold1067	NW_004516374.1	240513	AA	GG	GG	DRR	101498385	Unknown function
SNP_60681B_240521	scaffold1067	NW_004516374.1	240521	TT	CC	CC	DRR	101498385	Unknown function
SNP_60682B_240527	scaffold1067	NW_004516374.1	240527	TT	CC	CC	DRR	101498385	Unknown function
SNP_60683B_240539	scaffold1067	NW_004516374.1	240539	TT	CC	CC	DRR	101498385	Unknown function
SNP_60684B_240575	scaffold1067	NW_004516374.1	240575	GG	TT	TT	DRR	101498385	Unknown function
SNP_60685B_240588	scaffold1067	NW_004516374.1	240588	TT	GG	GG	DRR	101498385	Unknown function
SNP_60686B_240607	scaffold1067	NW_004516374.1	240607	TT	GG	GG	DRR	101498385	Unknown function
SNP_60687B_240640	scaffold1067	NW_004516374.1	240640	AA	GG	GG	DRR	101498385	Unknown function
SNP_60688B_240647	scaffold1067	NW_004516374.1	240647	GG	AA	AA	DRR	101498385	Unknown function
SNP_60689B_240658	scaffold1067	NW_004516374.1	240658	GG	CC	CC	DRR	101498385	Unknown function
SNP_60690B_240688	scaffold1067	NW_004516374.1	240688	TT	CC	CC	DRR	101498385	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60691B_240704	scaffold1067	NW_004516374.1	240704	AA	GG	GG	DRR	101498385	Unknown function
SNP_60692B_240718	scaffold1067	NW_004516374.1	240718	TT	CC	CC	DRR	101498385	Unknown function
SNP_60693B_240749	scaffold1067	NW_004516374.1	240749	TT	AA	AA	DRR	101498385	Unknown function
SNP_60694B_240779	scaffold1067	NW_004516374.1	240779	TT	CC	CC	DRR	101498385	Unknown function
SNP_60695B_240790	scaffold1067	NW_004516374.1	240790	TT	CC	CC	DRR	101498385	Unknown function
SNP_60696B_240856	scaffold1067	NW_004516374.1	240856	GG	CC	CC	DRR	101498385	Unknown function
SNP_60697B_240862	scaffold1067	NW_004516374.1	240862	CC	AA	AA	DRR	101498385	Unknown function
SNP_60698B_240869	scaffold1067	NW_004516374.1	240869	TT	CC	CC	DRR	101498385	Unknown function
SNP_60699B_240876	scaffold1067	NW_004516374.1	240876	TT	CC	CC	DRR	101498385	Unknown function
SNP_60700B_240879	scaffold1067	NW_004516374.1	240879	TT	CC	CC	DRR	101498385	Unknown function
SNP_60701B_240923	scaffold1067	NW_004516374.1	240923	AA	GG	GG	DRR	101498385	Unknown function
SNP_60702B_240938	scaffold1067	NW_004516374.1	240938	AA	GG	GG	DRR	101498385	Unknown function
SNP_60703B_240951	scaffold1067	NW_004516374.1	240951	AA	GG	GG	DRR	101498385	Unknown function
SNP_60704B_241018	scaffold1067	NW_004516374.1	241018	TT	CC	CC	DRR	101498385	Unknown function
SNP_60705B_241106	scaffold1067	NW_004516374.1	241106	TT	CC	CC	DRR	101498385	Unknown function
SNP_60706B_241112	scaffold1067	NW_004516374.1	241112	AA	GG	GG	DRR	101498385	Unknown function
SNP_60707B_241132	scaffold1067	NW_004516374.1	241132	TT	CC	CC	DRR	101498385	Unknown function
SNP_60708B_241162	scaffold1067	NW_004516374.1	241162	TT	GG	GG	DRR	101498385	Unknown function
SNP_60709B_241166	scaffold1067	NW_004516374.1	241166	CC	GG	GG	DRR	101498385	Unknown function
SNP_60710B_241170	scaffold1067	NW_004516374.1	241170	TT	CC	CC	DRR	101498385	Unknown function
SNP_60711B_241442	scaffold1067	NW_004516374.1	241442	GG	AA	AA	INTERGENIC		
SNP_60712B_241469	scaffold1067	NW_004516374.1	241469	CC	GG	GG	INTERGENIC		
SNP_60713B_242762	scaffold1067	NW_004516374.1	242762	AA	CC	CC	URR	101498385	Unknown function
SNP_60714B_242798	scaffold1067	NW_004516374.1	242798	TT	GG	GG	URR	101498385	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60715B_242876	scaffold1067	NW_004516374.1	242876	TT	CC	CC	URR	101498385	Unknown function
SNP_60716B_242926	scaffold1067	NW_004516374.1	242926	AA	GG	GG	URR	101498385	Unknown function
SNP_60717B_242983	scaffold1067	NW_004516374.1	242983	AA	GG	GG	URR	101498385	Unknown function
SNP_60718B_243023	scaffold1067	NW_004516374.1	243023	TT	CC	CC	DRR	101497391	Unknown function
SNP_60719B_243091	scaffold1067	NW_004516374.1	243091	AA	GG	GG	DRR	101497391	Unknown function
SNP_60720B_243228	scaffold1067	NW_004516374.1	243228	AA	GG	GG	DRR	101497391	Unknown function
SNP_60722B_243306	scaffold1067	NW_004516374.1	243306	AA	CC	CC	DRR	101497391	Unknown function
SNP_60723B_243315	scaffold1067	NW_004516374.1	243315	AA	GG	GG	DRR	101497391	Unknown function
SNP_60725B_243352	scaffold1067	NW_004516374.1	243352	TT	GG	GG	DRR	101497391	Unknown function
SNP_60726B_243363	scaffold1067	NW_004516374.1	243363	TT	GG	GG	DRR	101497391	Unknown function
SNP_60727B_243452	scaffold1067	NW_004516374.1	243452	AA	GG	GG	DRR	101497391	Unknown function
SNP_60728B_243464	scaffold1067	NW_004516374.1	243464	AA	GG	GG	DRR	101497391	Unknown function
SNP_60729B_243494	scaffold1067	NW_004516374.1	243494	TT	CC	CC	DRR	101497391	Unknown function
SNP_60730B_243718	scaffold1067	NW_004516374.1	243718	TT	CC	CC	DRR	101497391	Unknown function
SNP_60731B_243768	scaffold1067	NW_004516374.1	243768	TT	GG	GG	DRR	101497391	Unknown function
SNP_60732B_243790	scaffold1067	NW_004516374.1	243790	AA	GG	GG	DRR	101497391	Unknown function
SNP_60734B_243821	scaffold1067	NW_004516374.1	243821	AA	GG	GG	DRR	101497391	Unknown function
SNP_60735B_243866	scaffold1067	NW_004516374.1	243866	TT	GG	GG	DRR	101497391	Unknown function
SNP_60736B_244015	scaffold1067	NW_004516374.1	244015	AA	GG	GG	DRR	101497391	Unknown function
SNP_60737B_249054	scaffold1067	NW_004516374.1	249054	TT	CC	CC	INTERGENIC		
SNP_60738B_249081	scaffold1067	NW_004516374.1	249081	TT	AA	AA	INTERGENIC		
SNP_60739B_249109	scaffold1067	NW_004516374.1	249109	GG	AA	AA	INTERGENIC		
SNP_60740B_249114	scaffold1067	NW_004516374.1	249114	AA	GG	GG	INTERGENIC		
SNP_60741B_249239	scaffold1067	NW_004516374.1	249239	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60742B_249277	scaffold1067	NW_004516374.1	249277	TT	CC	CC	INTERGENIC		
SNP_60743B_249301	scaffold1067	NW_004516374.1	249301	AA	GG	GG	INTERGENIC		
SNP_60744B_249478	scaffold1067	NW_004516374.1	249478	AA	GG	GG	INTERGENIC		
SNP_60745B_249483	scaffold1067	NW_004516374.1	249483	AA	GG	GG	INTERGENIC		
SNP_60746B_249572	scaffold1067	NW_004516374.1	249572	TT	CC	CC	INTERGENIC		
SNP_60747B_249600	scaffold1067	NW_004516374.1	249600	GG	CC	CC	INTERGENIC		
SNP_60748B_249631	scaffold1067	NW_004516374.1	249631	AA	CC	CC	INTERGENIC		
SNP_60749B_249633	scaffold1067	NW_004516374.1	249633	TT	CC	CC	INTERGENIC		
SNP_60750B_249664	scaffold1067	NW_004516374.1	249664	AA	GG	GG	INTERGENIC		
SNP_60751B_249671	scaffold1067	NW_004516374.1	249671	CC	AA	AA	INTERGENIC		
SNP_60752B_263134	scaffold1067	NW_004516374.1	263134	AA	TT	TT	INTERGENIC		
SNP_60753B_263142	scaffold1067	NW_004516374.1	263142	TT	CC	CC	INTERGENIC		
SNP_60754B_263143	scaffold1067	NW_004516374.1	263143	AA	GG	GG	INTERGENIC		
SNP_60755B_263248	scaffold1067	NW_004516374.1	263248	TT	CC	CC	INTERGENIC		
SNP_60756B_263253	scaffold1067	NW_004516374.1	263253	GG	CC	CC	INTERGENIC		
SNP_60757B_263497	scaffold1067	NW_004516374.1	263497	AA	GG	GG	INTERGENIC		
SNP_60759B_263591	scaffold1067	NW_004516374.1	263591	AA	GG	GG	INTERGENIC		
SNP_60760B_263645	scaffold1067	NW_004516374.1	263645	TT	AA	AA	INTERGENIC		
SNP_60761B_263664	scaffold1067	NW_004516374.1	263664	AA	GG	GG	INTERGENIC		
SNP_60762B_263899	scaffold1067	NW_004516374.1	263899	GG	AA	AA	INTERGENIC		
SNP_60763B_263935	scaffold1067	NW_004516374.1	263935	TT	CC	CC	INTERGENIC		
SNP_60764B_264033	scaffold1067	NW_004516374.1	264033	TT	CC	CC	INTERGENIC		
SNP_60765B_264743	scaffold1067	NW_004516374.1	264743	CC	AA	AA	INTERGENIC		
SNP_60766B_264748	scaffold1067	NW_004516374.1	264748	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60767B_264776	scaffold1067	NW_004516374.1	264776	TT	CC	CC	INTERGENIC		
SNP_60768B_265634	scaffold1067	NW_004516374.1	265634	AA	TT	TT	INTERGENIC		
SNP_60769B_265730	scaffold1067	NW_004516374.1	265730	TT	CC	CC	INTERGENIC		
SNP_60770B_265732	scaffold1067	NW_004516374.1	265732	AA	GG	GG	INTERGENIC		
SNP_60771B_265761	scaffold1067	NW_004516374.1	265761	TT	CC	CC	INTERGENIC		
SNP_60772B_265779	scaffold1067	NW_004516374.1	265779	CC	GG	GG	INTERGENIC		
SNP_60773B_266037	scaffold1067	NW_004516374.1	266037	AA	GG	GG	INTERGENIC		
SNP_60775B_266096	scaffold1067	NW_004516374.1	266096	AA	GG	GG	INTERGENIC		
SNP_60776B_269603	scaffold1067	NW_004516374.1	269603	TT	CC	CC	INTERGENIC		
SNP_60777B_269626	scaffold1067	NW_004516374.1	269626	TT	GG	GG	INTERGENIC		
SNP_60778B_13178	scaffold1072	NW_004516377.1	13178	AA	CC	CC	INTERGENIC		
SNP_60779B_20642	scaffold1074	NW_004516379.1	20642	AA	CC	CC	INTERGENIC		
SNP_60780B_20657	scaffold1074	NW_004516379.1	20657	CC	GG	GG	INTERGENIC		
SNP_60781B_20670	scaffold1074	NW_004516379.1	20670	AA	CC	CC	INTERGENIC		
SNP_60782B_20696	scaffold1074	NW_004516379.1	20696	TT	CC	CC	INTERGENIC		
SNP_60783B_20701	scaffold1074	NW_004516379.1	20701	AA	TT	TT	INTERGENIC		
SNP_60784B_20706	scaffold1074	NW_004516379.1	20706	CC	TT	TT	INTERGENIC		
SNP_60785B_442	scaffold1076	NW_004516380.1	442	GG	CC	CC	INTERGENIC		
SNP_60786B_503	scaffold1076	NW_004516380.1	503	TT	AA	AA	INTERGENIC		
SNP_60787B_7191	scaffold1076	NW_004516380.1	7191	GG	AA	AA	INTERGENIC		
SNP_60788B_7196	scaffold1076	NW_004516380.1	7196	GG	AA	AA	INTERGENIC		
SNP_60789B_7202	scaffold1076	NW_004516380.1	7202	TT	AA	AA	INTERGENIC		
SNP_60790B_7309	scaffold1076	NW_004516380.1	7309	TT	GG	GG	INTERGENIC		
SNP_60791B_7653	scaffold1076	NW_004516380.1	7653	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60792B_8081	scaffold1076	NW_004516380.1	8081	TT	AA	AA	INTERGENIC		
SNP_60793B_10753	scaffold1076	NW_004516380.1	10753	AA	GG	GG	INTERGENIC		
SNP_60794B_10953	scaffold1076	NW_004516380.1	10953	CC	GG	GG	INTERGENIC		
SNP_60795B_11054	scaffold1076	NW_004516380.1	11054	GG	AA	AA	INTERGENIC		
SNP_60796B_11074	scaffold1076	NW_004516380.1	11074	GG	TT	TT	INTERGENIC		
SNP_60797B_23771	scaffold1076	NW_004516380.1	23771	TT	GG	GG	INTERGENIC		
SNP_60798B_24015	scaffold1076	NW_004516380.1	24015	AA	CC	CC	INTERGENIC		
SNP_60799B_2518	scaffold1080	NW_004516382.1	2518	AA	GG	GG	INTERGENIC		
SNP_60800B_5346	scaffold1080	NW_004516382.1	5346	GG	TT	TT	INTERGENIC		
SNP_60801B_15656	scaffold1080	NW_004516382.1	15656	AA	GG	GG	INTERGENIC		
SNP_60802B_32871	scaffold1080	NW_004516382.1	32871	AA	CC	CC	INTERGENIC		
SNP_60803B_83153	scaffold1081	NW_004516383.1	83153	CC	TT	TT	INTERGENIC		
SNP_60804B_86148	scaffold1081	NW_004516383.1	86148	AA	GG	GG	INTERGENIC		
SNP_60806B_86179	scaffold1081	NW_004516383.1	86179	CC	TT	TT	INTERGENIC		
SNP_60807B_86218	scaffold1081	NW_004516383.1	86218	TT	GG	GG	INTERGENIC		
SNP_60810B_87615	scaffold1081	NW_004516383.1	87615	TT	GG	GG	INTERGENIC		
SNP_60812B_89778	scaffold1081	NW_004516383.1	89778	GG	TT	TT	INTERGENIC		
SNP_60813B_109397	scaffold1081	NW_004516383.1	109397	AA	GG	GG	INTERGENIC		
SNP_60814B_832	scaffold1082	NW_004516384.1	832	CC	TT	TT	INTERGENIC		
SNP_60815B_859	scaffold1082	NW_004516384.1	859	TT	CC	CC	INTERGENIC		
SNP_60816B_19777	scaffold1082	NW_004516384.1	19777	TT	CC	CC	INTERGENIC		
SNP_60817B_19794	scaffold1082	NW_004516384.1	19794	AA	TT	TT	INTERGENIC		
SNP_60818B_20012	scaffold1082	NW_004516384.1	20012	CC	AA	AA	INTERGENIC		
SNP_60819B_20062	scaffold1082	NW_004516384.1	20062	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60822B_21096	scaffold1082	NW_004516384.1	21096	CC	GG	GG	INTERGENIC		
SNP_60823B_21238	scaffold1082	NW_004516384.1	21238	CC	AA	AA	INTERGENIC		
SNP_60824B_21350	scaffold1082	NW_004516384.1	21350	TT	CC	CC	INTERGENIC		
SNP_60825B_21354	scaffold1082	NW_004516384.1	21354	TT	AA	AA	INTERGENIC		
SNP_60826B_21356	scaffold1082	NW_004516384.1	21356	AA	TT	TT	INTERGENIC		
SNP_60827B_21392	scaffold1082	NW_004516384.1	21392	TT	AA	AA	INTERGENIC		
SNP_60828B_27036	scaffold1082	NW_004516384.1	27036	TT	CC	CC	INTERGENIC		
SNP_60830B_27410	scaffold1082	NW_004516384.1	27410	GG	AA	AA	INTERGENIC		
SNP_60831B_27442	scaffold1082	NW_004516384.1	27442	GG	AA	AA	INTERGENIC		
SNP_60832B_27597	scaffold1082	NW_004516384.1	27597	TT	AA	AA	INTERGENIC		
SNP_60833B_27630	scaffold1082	NW_004516384.1	27630	CC	TT	TT	INTERGENIC		
SNP_60834B_27659	scaffold1082	NW_004516384.1	27659	AA	TT	TT	INTERGENIC		
SNP_60835B_31857	scaffold1082	NW_004516384.1	31857	GG	AA	AA	INTERGENIC		
SNP_60836B_32162	scaffold1082	NW_004516384.1	32162	GG	AA	AA	INTERGENIC		
SNP_60837B_32166	scaffold1082	NW_004516384.1	32166	TT	AA	AA	INTERGENIC		
SNP_60838B_32966	scaffold1082	NW_004516384.1	32966	AA	CC	CC	INTERGENIC		
SNP_60839B_27304	scaffold1083	NW_004516385.1	27304	TT	GG	GG	INTERGENIC		
SNP_60840B_27386	scaffold1083	NW_004516385.1	27386	TT	CC	CC	INTERGENIC		
SNP_60841B_27390	scaffold1083	NW_004516385.1	27390	TT	CC	CC	INTERGENIC		
SNP_60843B_27516	scaffold1083	NW_004516385.1	27516	AA	GG	GG	INTERGENIC		
SNP_60844B_27522	scaffold1083	NW_004516385.1	27522	AA	GG	GG	INTERGENIC		
SNP_60845B_67845	scaffold1083	NW_004516385.1	67845	GG	TT	TT	INTERGENIC		
SNP_60846B_97158	scaffold1083	NW_004516385.1	97158	AA	GG	GG	INTERGENIC		
SNP_60847B_97496	scaffold1083	NW_004516385.1	97496	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60848B_97547	scaffold1083	NW_004516385.1	97547	CC	TT	TT	INTERGENIC		
SNP_60849B_118643	scaffold1083	NW_004516385.1	118643	CC	AA	AA	INTERGENIC		
SNP_60850B_118648	scaffold1083	NW_004516385.1	118648	CC	TT	TT	INTERGENIC		
SNP_60851B_118664	scaffold1083	NW_004516385.1	118664	TT	CC	CC	INTERGENIC		
SNP_60852B_118668	scaffold1083	NW_004516385.1	118668	GG	CC	CC	INTERGENIC		
SNP_60853B_118673	scaffold1083	NW_004516385.1	118673	AA	CC	CC	INTERGENIC		
SNP_60855B_122113	scaffold1083	NW_004516385.1	122113	AA	GG	GG	INTERGENIC		
SNP_60856B_122240	scaffold1083	NW_004516385.1	122240	CC	TT	TT	INTERGENIC		
SNP_60857B_122279	scaffold1083	NW_004516385.1	122279	GG	CC	CC	INTERGENIC		
SNP_60858B_122294	scaffold1083	NW_004516385.1	122294	GG	AA	AA	INTERGENIC		
SNP_60859B_122309	scaffold1083	NW_004516385.1	122309	AA	TT	TT	INTERGENIC		
SNP_60860B_122362	scaffold1083	NW_004516385.1	122362	GG	AA	AA	INTERGENIC		
SNP_60861B_122365	scaffold1083	NW_004516385.1	122365	AA	GG	GG	INTERGENIC		
SNP_60862B_125793	scaffold1083	NW_004516385.1	125793	GG	AA	AA	DRR	101500949	uncharacterized LOC101500949
SNP_60863B_128916	scaffold1083	NW_004516385.1	128916	GG	AA	AA	STOP_GAINED	101500949	uncharacterized LOC101500949
SNP_60864B_132024	scaffold1083	NW_004516385.1	132024	TT	AA	AA	INTERGENIC		
SNP_60865B_132242	scaffold1083	NW_004516385.1	132242	CC	AA	AA	INTERGENIC		
SNP_60866B_132268	scaffold1083	NW_004516385.1	132268	TT	AA	AA	INTERGENIC		
SNP_60867B_132504	scaffold1083	NW_004516385.1	132504	GG	TT	TT	INTERGENIC		
SNP_60868B_132657	scaffold1083	NW_004516385.1	132657	AA	TT	TT	INTERGENIC		
SNP_60869B_132668	scaffold1083	NW_004516385.1	132668	TT	CC	CC	INTERGENIC		
SNP_60870B_132669	scaffold1083	NW_004516385.1	132669	AA	TT	TT	INTERGENIC		
SNP_60871B_132781	scaffold1083	NW_004516385.1	132781	TT	AA	AA	INTERGENIC		
SNP_60872B_132944	scaffold1083	NW_004516385.1	132944	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60873B_133385	scaffold1083	NW_004516385.1	133385	GG	AA	AA	INTERGENIC		
SNP_60874B_133678	scaffold1083	NW_004516385.1	133678	TT	CC	CC	INTERGENIC		
SNP_60875B_133754	scaffold1083	NW_004516385.1	133754	AA	CC	CC	INTERGENIC		
SNP_60876B_5796	scaffold1084	NW_004516386.1	5796	TT	AA	AA	INTERGENIC		
SNP_60877B_5810	scaffold1084	NW_004516386.1	5810	TT	GG	GG	INTERGENIC		
SNP_60878B_1161	scaffold1085	NW_004516387.1	1161	AA	CC	CC	INTERGENIC		
SNP_60879B_1162	scaffold1085	NW_004516387.1	1162	TT	CC	CC	INTERGENIC		
SNP_60880B_12360	scaffold1087	NW_004516389.1	12360	AA	GG	GG	INTERGENIC		
SNP_60881B_12386	scaffold1087	NW_004516389.1	12386	TT	GG	GG	INTERGENIC		
SNP_60882B_12420	scaffold1087	NW_004516389.1	12420	GG	AA	AA	INTERGENIC		
SNP_60883B_12421	scaffold1087	NW_004516389.1	12421	CC	TT	TT	INTERGENIC		
SNP_60884B_12451	scaffold1087	NW_004516389.1	12451	CC	TT	TT	INTERGENIC		
SNP_60885B_12498	scaffold1087	NW_004516389.1	12498	CC	TT	TT	INTERGENIC		
SNP_60886B_12525	scaffold1087	NW_004516389.1	12525	CC	TT	TT	INTERGENIC		
SNP_60887B_12704	scaffold1087	NW_004516389.1	12704	TT	CC	CC	INTERGENIC		
SNP_60888B_12707	scaffold1087	NW_004516389.1	12707	GG	AA	AA	INTERGENIC		
SNP_60889B_12708	scaffold1087	NW_004516389.1	12708	CC	GG	GG	INTERGENIC		
SNP_60890B_12870	scaffold1087	NW_004516389.1	12870	TT	CC	CC	INTERGENIC		
SNP_60891B_12874	scaffold1087	NW_004516389.1	12874	GG	AA	AA	INTERGENIC		
SNP_60892B_13146	scaffold1087	NW_004516389.1	13146	TT	CC	CC	INTERGENIC		
SNP_60893B_13172	scaffold1087	NW_004516389.1	13172	CC	TT	TT	INTERGENIC		
SNP_60894B_13246	scaffold1087	NW_004516389.1	13246	AA	GG	GG	INTERGENIC		
SNP_60895B_13276	scaffold1087	NW_004516389.1	13276	GG	AA	AA	INTERGENIC		
SNP_60896B_13306	scaffold1087	NW_004516389.1	13306	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60897B_13321	scaffold1087	NW_004516389.1	13321	AA	TT	TT	INTERGENIC		
SNP_60898B_13368	scaffold1087	NW_004516389.1	13368	TT	CC	CC	INTERGENIC		
SNP_60899B_13386	scaffold1087	NW_004516389.1	13386	TT	AA	AA	INTERGENIC		
SNP_60900B_13402	scaffold1087	NW_004516389.1	13402	AA	GG	GG	INTERGENIC		
SNP_60901B_13461	scaffold1087	NW_004516389.1	13461	GG	AA	AA	INTERGENIC		
SNP_60903B_13585	scaffold1087	NW_004516389.1	13585	TT	AA	AA	INTERGENIC		
SNP_60904B_13646	scaffold1087	NW_004516389.1	13646	AA	GG	GG	INTERGENIC		
SNP_60905B_13662	scaffold1087	NW_004516389.1	13662	AA	GG	GG	INTERGENIC		
SNP_60906B_13867	scaffold1087	NW_004516389.1	13867	TT	CC	CC	DRR	101501588	amino acid permease 6-like
SNP_60907B_13868	scaffold1087	NW_004516389.1	13868	GG	AA	AA	DRR	101501588	amino acid permease 6-like
SNP_60908B_13931	scaffold1087	NW_004516389.1	13931	AA	CC	CC	DRR	101501588	amino acid permease 6-like
SNP_60909B_14073	scaffold1087	NW_004516389.1	14073	GG	AA	AA	DRR	101501588	amino acid permease 6-like
SNP_60910B_14082	scaffold1087	NW_004516389.1	14082	AA	GG	GG	DRR	101501588	amino acid permease 6-like
SNP_60911B_14086	scaffold1087	NW_004516389.1	14086	AA	TT	TT	DRR	101501588	amino acid permease 6-like
SNP_60912B_14291	scaffold1087	NW_004516389.1	14291	AA	TT	TT	DRR	101501588	amino acid permease 6-like
SNP_60913B_14373	scaffold1087	NW_004516389.1	14373	GG	AA	AA	DRR	101501588	amino acid permease 6-like
SNP_60915B_14411	scaffold1087	NW_004516389.1	14411	TT	CC	CC	DRR	101501588	amino acid permease 6-like
SNP_60916B_14523	scaffold1087	NW_004516389.1	14523	GG	TT	TT	DRR	101501588	amino acid permease 6-like
SNP_60917B_14567	scaffold1087	NW_004516389.1	14567	GG	AA	AA	DRR	101501588	amino acid permease 6-like
SNP_60918B_14747	scaffold1087	NW_004516389.1	14747	AA	TT	TT	NON_SYNONYMOUS_CODING	101501588	amino acid permease 6-like
SNP_60919B_14793	scaffold1087	NW_004516389.1	14793	CC	AA	AA	SYNONYMOUS_CODING	101501588	amino acid permease 6-like
SNP_60920B_14796	scaffold1087	NW_004516389.1	14796	CC	TT	TT	SYNONYMOUS_CODING	101501588	amino acid permease 6-like
SNP_60922B_15169	scaffold1087	NW_004516389.1	15169	AA	TT	TT	INTRON	101501588	amino acid permease 6-like
SNP_60923B_16489	scaffold1087	NW_004516389.1	16489	AA	GG	GG	URR	101501588	amino acid permease 6-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60924B_22796	scaffold1087	NW_004516389.1	22796	AA	GG	GG	INTERGENIC		
SNP_60925B_22797	scaffold1087	NW_004516389.1	22797	AA	GG	GG	INTERGENIC		
SNP_60926B_22851	scaffold1087	NW_004516389.1	22851	AA	GG	GG	INTERGENIC		
SNP_60927B_22889	scaffold1087	NW_004516389.1	22889	TT	CC	CC	INTERGENIC		
SNP_60928B_22935	scaffold1087	NW_004516389.1	22935	TT	CC	CC	INTERGENIC		
SNP_60929B_22938	scaffold1087	NW_004516389.1	22938	TT	AA	AA	INTERGENIC		
SNP_60930B_22976	scaffold1087	NW_004516389.1	22976	CC	TT	TT	INTERGENIC		
SNP_60931B_23005	scaffold1087	NW_004516389.1	23005	CC	TT	TT	INTERGENIC		
SNP_60933B_23095	scaffold1087	NW_004516389.1	23095	TT	AA	AA	INTERGENIC		
SNP_60934B_23096	scaffold1087	NW_004516389.1	23096	AA	TT	TT	INTERGENIC		
SNP_60936B_23242	scaffold1087	NW_004516389.1	23242	CC	TT	TT	INTERGENIC		
SNP_60937B_23320	scaffold1087	NW_004516389.1	23320	TT	CC	CC	INTERGENIC		
SNP_60938B_23335	scaffold1087	NW_004516389.1	23335	AA	GG	GG	INTERGENIC		
SNP_60939B_23412	scaffold1087	NW_004516389.1	23412	GG	TT	TT	INTERGENIC		
SNP_60940B_23620	scaffold1087	NW_004516389.1	23620	TT	AA	AA	INTERGENIC		
SNP_60941B_27855	scaffold1087	NW_004516389.1	27855	AA	CC	CC	SYNONYMOUS_CODING	101501898	amino acid permease 6-like
SNP_60942B_28246	scaffold1087	NW_004516389.1	28246	AA	GG	GG	URR	101501898	amino acid permease 6-like
SNP_60943B_40041	scaffold1087	NW_004516389.1	40041	AA	GG	GG	INTERGENIC		
SNP_60945B_189931	scaffold1089	NW_004516390.1	189931	AA	GG	GG	INTERGENIC		
SNP_60946B_201261	scaffold1089	NW_004516390.1	201261	CC	AA	AA	INTERGENIC		
SNP_60947B_215054	scaffold1089	NW_004516390.1	215054	CC	TT	TT	INTERGENIC		
SNP_60948B_226996	scaffold1089	NW_004516390.1	226996	AA	GG	GG	INTERGENIC		
SNP_60949B_243907	scaffold1089	NW_004516390.1	243907	CC	TT	TT	INTERGENIC		
SNP_60950B_259348	scaffold1089	NW_004516390.1	259348	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60951B_259828	scaffold1089	NW_004516390.1	259828	AA	GG	GG	INTERGENIC		
SNP_60952B_267493	scaffold1089	NW_004516390.1	267493	TT	AA	AA	INTERGENIC		
SNP_60953B_1454	scaffold1090	NW_004516391.1	1454	CC	TT	TT	INTERGENIC		
SNP_60954B_3288	scaffold1092	NW_004516393.1	3288	TT	GG	GG	INTERGENIC		
SNP_60955B_3323	scaffold1092	NW_004516393.1	3323	CC	TT	TT	INTERGENIC		
SNP_60956B_3349	scaffold1092	NW_004516393.1	3349	GG	AA	AA	INTERGENIC		
SNP_60957B_6038	scaffold1092	NW_004516393.1	6038	AA	GG	GG	INTERGENIC		
SNP_60958B_13428	scaffold1092	NW_004516393.1	13428	AA	TT	TT	INTERGENIC		
SNP_60961B_13605	scaffold1092	NW_004516393.1	13605	AA	TT	TT	INTERGENIC		
SNP_60962B_13797	scaffold1092	NW_004516393.1	13797	CC	TT	TT	INTERGENIC		
SNP_60963B_17629	scaffold1092	NW_004516393.1	17629	AA	TT	TT	INTERGENIC		
SNP_60964B_17905	scaffold1092	NW_004516393.1	17905	AA	CC	CC	INTERGENIC		
SNP_60965B_17909	scaffold1092	NW_004516393.1	17909	CC	AA	AA	INTERGENIC		
SNP_60966B_17926	scaffold1092	NW_004516393.1	17926	GG	AA	AA	INTERGENIC		
SNP_60967B_17984	scaffold1092	NW_004516393.1	17984	TT	CC	CC	INTERGENIC		
SNP_60969B_18184	scaffold1092	NW_004516393.1	18184	GG	TT	TT	INTERGENIC		
SNP_60970B_18277	scaffold1092	NW_004516393.1	18277	GG	TT	TT	INTERGENIC		
SNP_60971B_18428	scaffold1092	NW_004516393.1	18428	TT	CC	CC	INTERGENIC		
SNP_60972B_18691	scaffold1092	NW_004516393.1	18691	CC	TT	TT	INTERGENIC		
SNP_60973B_19137	scaffold1092	NW_004516393.1	19137	CC	TT	TT	INTERGENIC		
SNP_60974B_19432	scaffold1092	NW_004516393.1	19432	TT	CC	CC	INTERGENIC		
SNP_60975B_19440	scaffold1092	NW_004516393.1	19440	AA	TT	TT	INTERGENIC		
SNP_60976B_19467	scaffold1092	NW_004516393.1	19467	GG	TT	TT	INTERGENIC		
SNP_60977B_19513	scaffold1092	NW_004516393.1	19513	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_60978B_29403	scaffold1092	NW_004516393.1	29403	GG	TT	TT	INTERGENIC		
SNP_60981B_33906	scaffold1092	NW_004516393.1	33906	GG	AA	AA	INTERGENIC		
SNP_60982B_33930	scaffold1092	NW_004516393.1	33930	TT	CC	CC	INTERGENIC		
SNP_60983B_45963	scaffold1092	NW_004516393.1	45963	CC	TT	TT	INTERGENIC		
SNP_60984B_46961	scaffold1092	NW_004516393.1	46961	AA	GG	GG	INTERGENIC		
SNP_60985B_57447	scaffold1092	NW_004516393.1	57447	GG	CC	CC	INTERGENIC		
SNP_60986B_58398	scaffold1092	NW_004516393.1	58398	AA	TT	TT	INTERGENIC		
SNP_60987B_58631	scaffold1092	NW_004516393.1	58631	AA	CC	CC	INTERGENIC		
SNP_60988B_64390	scaffold1092	NW_004516393.1	64390	AA	GG	GG	INTERGENIC		
SNP_60989B_67688	scaffold1092	NW_004516393.1	67688	TT	CC	CC	INTERGENIC		
SNP_60990B_75400	scaffold1092	NW_004516393.1	75400	TT	AA	AA	INTERGENIC		
SNP_60992B_82408	scaffold1092	NW_004516393.1	82408	CC	AA	AA	INTERGENIC		
SNP_60993B_82800	scaffold1092	NW_004516393.1	82800	TT	AA	AA	INTERGENIC		
SNP_60995B_91118	scaffold1092	NW_004516393.1	91118	TT	GG	GG	INTERGENIC		
SNP_60996B_94523	scaffold1092	NW_004516393.1	94523	AA	TT	TT	INTERGENIC		
SNP_60997B_94859	scaffold1092	NW_004516393.1	94859	TT	GG	GG	INTERGENIC		
SNP_60998B_95098	scaffold1092	NW_004516393.1	95098	TT	CC	CC	INTERGENIC		
SNP_60999B_95420	scaffold1092	NW_004516393.1	95420	AA	TT	TT	INTERGENIC		
SNP_61000B_101926	scaffold1092	NW_004516393.1	101926	CC	TT	TT	INTERGENIC		
SNP_61001B_101994	scaffold1092	NW_004516393.1	101994	GG	AA	AA	INTERGENIC		
SNP_61002B_103662	scaffold1092	NW_004516393.1	103662	CC	GG	GG	INTERGENIC		
SNP_61003B_103728	scaffold1092	NW_004516393.1	103728	AA	TT	TT	INTERGENIC		
SNP_61004B_105067	scaffold1092	NW_004516393.1	105067	GG	AA	AA	INTERGENIC		
SNP_61005B_105600	scaffold1092	NW_004516393.1	105600	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61006B_110939	scaffold1092	NW_004516393.1	110939	CC	AA	AA	INTERGENIC		
SNP_61007B_110952	scaffold1092	NW_004516393.1	110952	GG	CC	CC	INTERGENIC		
SNP_61008B_111696	scaffold1092	NW_004516393.1	111696	TT	CC	CC	INTERGENIC		
SNP_61009B_112051	scaffold1092	NW_004516393.1	112051	AA	CC	CC	INTERGENIC		
SNP_61010B_112103	scaffold1092	NW_004516393.1	112103	AA	TT	TT	INTERGENIC		
SNP_61011B_112211	scaffold1092	NW_004516393.1	112211	CC	TT	TT	INTERGENIC		
SNP_61012B_114050	scaffold1092	NW_004516393.1	114050	CC	AA	AA	INTERGENIC		
SNP_61013B_114349	scaffold1092	NW_004516393.1	114349	CC	AA	AA	INTERGENIC		
SNP_61014B_114479	scaffold1092	NW_004516393.1	114479	AA	GG	GG	INTERGENIC		
SNP_61015B_114560	scaffold1092	NW_004516393.1	114560	TT	AA	AA	INTERGENIC		
SNP_61016B_114582	scaffold1092	NW_004516393.1	114582	TT	CC	CC	INTERGENIC		
SNP_61017B_114652	scaffold1092	NW_004516393.1	114652	GG	CC	CC	INTERGENIC		
SNP_61018B_115099	scaffold1092	NW_004516393.1	115099	AA	TT	TT	INTERGENIC		
SNP_61019B_115129	scaffold1092	NW_004516393.1	115129	TT	CC	CC	INTERGENIC		
SNP_61020B_115144	scaffold1092	NW_004516393.1	115144	GG	CC	CC	INTERGENIC		
SNP_61021B_115197	scaffold1092	NW_004516393.1	115197	TT	GG	GG	INTERGENIC		
SNP_61022B_116740	scaffold1092	NW_004516393.1	116740	AA	TT	TT	INTERGENIC		
SNP_61023B_116820	scaffold1092	NW_004516393.1	116820	TT	AA	AA	INTERGENIC		
SNP_61024B_116829	scaffold1092	NW_004516393.1	116829	TT	GG	GG	INTERGENIC		
SNP_61025B_116851	scaffold1092	NW_004516393.1	116851	TT	AA	AA	INTERGENIC		
SNP_61026B_116879	scaffold1092	NW_004516393.1	116879	AA	TT	TT	INTERGENIC		
SNP_61027B_116995	scaffold1092	NW_004516393.1	116995	AA	GG	GG	INTERGENIC		
SNP_61028B_117145	scaffold1092	NW_004516393.1	117145	AA	TT	TT	INTERGENIC		
SNP_61030B_117391	scaffold1092	NW_004516393.1	117391	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61031B_117408	scaffold1092	NW_004516393.1	117408	TT	AA	AA	INTERGENIC		
SNP_61032B_117437	scaffold1092	NW_004516393.1	117437	TT	GG	GG	INTERGENIC		
SNP_61033B_117439	scaffold1092	NW_004516393.1	117439	CC	TT	TT	INTERGENIC		
SNP_61034B_117452	scaffold1092	NW_004516393.1	117452	TT	CC	CC	INTERGENIC		
SNP_61035B_117589	scaffold1092	NW_004516393.1	117589	TT	AA	AA	INTERGENIC		
SNP_61036B_117793	scaffold1092	NW_004516393.1	117793	TT	GG	GG	INTERGENIC		
SNP_61037B_117841	scaffold1092	NW_004516393.1	117841	GG	AA	AA	INTERGENIC		
SNP_61038B_118244	scaffold1092	NW_004516393.1	118244	TT	CC	CC	INTERGENIC		
SNP_61039B_119137	scaffold1092	NW_004516393.1	119137	AA	TT	TT	INTERGENIC		
SNP_61040B_119240	scaffold1092	NW_004516393.1	119240	AA	CC	CC	INTERGENIC		
SNP_61041B_119243	scaffold1092	NW_004516393.1	119243	TT	AA	AA	INTERGENIC		
SNP_61042B_119450	scaffold1092	NW_004516393.1	119450	TT	AA	AA	INTERGENIC		
SNP_61043B_119541	scaffold1092	NW_004516393.1	119541	CC	TT	TT	INTERGENIC		
SNP_61044B_121098	scaffold1092	NW_004516393.1	121098	AA	TT	TT	INTERGENIC		
SNP_61046B_122096	scaffold1092	NW_004516393.1	122096	TT	AA	AA	INTERGENIC		
SNP_61047B_122112	scaffold1092	NW_004516393.1	122112	TT	AA	AA	INTERGENIC		
SNP_61048B_122191	scaffold1092	NW_004516393.1	122191	AA	TT	TT	INTERGENIC		
SNP_61049B_122298	scaffold1092	NW_004516393.1	122298	TT	GG	GG	INTERGENIC		
SNP_61050B_122361	scaffold1092	NW_004516393.1	122361	GG	TT	TT	INTERGENIC		
SNP_61051B_122415	scaffold1092	NW_004516393.1	122415	CC	GG	GG	INTERGENIC		
SNP_61052B_122423	scaffold1092	NW_004516393.1	122423	TT	CC	CC	INTERGENIC		
SNP_61053B_122474	scaffold1092	NW_004516393.1	122474	CC	AA	AA	INTERGENIC		
SNP_61054B_122726	scaffold1092	NW_004516393.1	122726	AA	GG	GG	INTERGENIC		
SNP_61055B_125742	scaffold1092	NW_004516393.1	125742	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61056B_127843	scaffold1092	NW_004516393.1	127843	GG	TT	TT	INTERGENIC		
SNP_61057B_138709	scaffold1092	NW_004516393.1	138709	GG	CC	CC	INTERGENIC		
SNP_61059B_139264	scaffold1092	NW_004516393.1	139264	CC	TT	TT	INTERGENIC		
SNP_61060B_139302	scaffold1092	NW_004516393.1	139302	GG	AA	AA	INTERGENIC		
SNP_61061B_139339	scaffold1092	NW_004516393.1	139339	CC	TT	TT	INTERGENIC		
SNP_61062B_139431	scaffold1092	NW_004516393.1	139431	AA	GG	GG	INTERGENIC		
SNP_61063B_139478	scaffold1092	NW_004516393.1	139478	TT	CC	CC	INTERGENIC		
SNP_61064B_139571	scaffold1092	NW_004516393.1	139571	TT	GG	GG	INTERGENIC		
SNP_61065B_139743	scaffold1092	NW_004516393.1	139743	TT	CC	CC	INTERGENIC		
SNP_61066B_139748	scaffold1092	NW_004516393.1	139748	AA	GG	GG	INTERGENIC		
SNP_61067B_139781	scaffold1092	NW_004516393.1	139781	GG	AA	AA	INTERGENIC		
SNP_61068B_139869	scaffold1092	NW_004516393.1	139869	AA	CC	CC	INTERGENIC		
SNP_61069B_139870	scaffold1092	NW_004516393.1	139870	TT	GG	GG	INTERGENIC		
SNP_61070B_140420	scaffold1092	NW_004516393.1	140420	AA	GG	GG	INTERGENIC		
SNP_61071B_141332	scaffold1092	NW_004516393.1	141332	AA	TT	TT	INTERGENIC		
SNP_61072B_141849	scaffold1092	NW_004516393.1	141849	GG	AA	AA	INTERGENIC		
SNP_61073B_142155	scaffold1092	NW_004516393.1	142155	GG	TT	TT	INTERGENIC		
SNP_61074B_142465	scaffold1092	NW_004516393.1	142465	TT	CC	CC	INTERGENIC		
SNP_61075B_142620	scaffold1092	NW_004516393.1	142620	CC	TT	TT	INTERGENIC		
SNP_61076B_142757	scaffold1092	NW_004516393.1	142757	CC	TT	TT	INTERGENIC		
SNP_61077B_143221	scaffold1092	NW_004516393.1	143221	GG	AA	AA	INTERGENIC		
SNP_61078B_145550	scaffold1092	NW_004516393.1	145550	CC	GG	GG	INTERGENIC		
SNP_61079B_146395	scaffold1092	NW_004516393.1	146395	TT	CC	CC	INTERGENIC		
SNP_61080B_146546	scaffold1092	NW_004516393.1	146546	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61081B_146717	scaffold1092	NW_004516393.1	146717	CC	TT	TT	INTERGENIC		
SNP_61082B_146836	scaffold1092	NW_004516393.1	146836	CC	TT	TT	INTERGENIC		
SNP_61083B_146877	scaffold1092	NW_004516393.1	146877	CC	GG	GG	INTERGENIC		
SNP_61084B_147132	scaffold1092	NW_004516393.1	147132	TT	AA	AA	INTERGENIC		
SNP_61085B_147193	scaffold1092	NW_004516393.1	147193	AA	TT	TT	INTERGENIC		
SNP_61086B_147552	scaffold1092	NW_004516393.1	147552	GG	TT	TT	INTERGENIC		
SNP_61087B_147947	scaffold1092	NW_004516393.1	147947	AA	TT	TT	INTERGENIC		
SNP_61088B_147968	scaffold1092	NW_004516393.1	147968	CC	GG	GG	INTERGENIC		
SNP_61089B_148278	scaffold1092	NW_004516393.1	148278	GG	CC	CC	INTERGENIC		
SNP_61090B_152515	scaffold1092	NW_004516393.1	152515	CC	AA	AA	INTERGENIC		
SNP_61091B_152603	scaffold1092	NW_004516393.1	152603	TT	CC	CC	INTERGENIC		
SNP_61092B_152660	scaffold1092	NW_004516393.1	152660	CC	TT	TT	INTERGENIC		
SNP_61093B_152766	scaffold1092	NW_004516393.1	152766	TT	AA	AA	INTERGENIC		
SNP_61094B_156929	scaffold1092	NW_004516393.1	156929	AA	CC	CC	INTERGENIC		
SNP_61095B_5751	scaffold1095	NW_004516394.1	5751	TT	AA	AA	INTERGENIC		
SNP_61096B_26610	scaffold1095	NW_004516394.1	26610	AA	GG	GG	INTERGENIC		
SNP_61097B_38876	scaffold1095	NW_004516394.1	38876	TT	AA	AA	INTERGENIC		
SNP_61098B_3375	scaffold1101	NW_004516396.1	3375	TT	CC	CC	INTERGENIC		
SNP_61100B_3956	scaffold1101	NW_004516396.1	3956	CC	GG	GG	INTERGENIC		
SNP_61101B_3967	scaffold1101	NW_004516396.1	3967	CC	GG	GG	INTERGENIC		
SNP_61102B_1710	scaffold1103	NW_004516398.1	1710	GG	AA	AA	INTERGENIC		
SNP_61103B_1869	scaffold1103	NW_004516398.1	1869	AA	GG	GG	INTERGENIC		
SNP_61104B_25202	scaffold1103	NW_004516398.1	25202	CC	AA	AA	INTERGENIC		
SNP_61105B_58382	scaffold1107	NW_004516401.1	58382	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61106B_71291	scaffold1107	NW_004516401.1	71291	CC	TT	TT	INTERGENIC		
SNP_61107B_74862	scaffold1107	NW_004516401.1	74862	CC	TT	TT	INTERGENIC		
SNP_61109B_75920	scaffold1107	NW_004516401.1	75920	CC	TT	TT	INTERGENIC		
SNP_61110B_75931	scaffold1107	NW_004516401.1	75931	GG	AA	AA	INTERGENIC		
SNP_61111B_86264	scaffold1107	NW_004516401.1	86264	TT	CC	CC	INTERGENIC		
SNP_61112B_87015	scaffold1107	NW_004516401.1	87015	GG	TT	TT	INTERGENIC		
SNP_61113B_93946	scaffold1107	NW_004516401.1	93946	GG	TT	TT	INTRON	id209683	Unknown function
SNP_61114B_94046	scaffold1107	NW_004516401.1	94046	GG	TT	TT	INTRON	id209683	Unknown function
SNP_61115B_94067	scaffold1107	NW_004516401.1	94067	CC	AA	AA	INTRON	id209683	Unknown function
SNP_61116B_94153	scaffold1107	NW_004516401.1	94153	CC	AA	AA	INTRON	id209683	Unknown function
SNP_61117B_94160	scaffold1107	NW_004516401.1	94160	GG	TT	TT	INTRON	id209683	Unknown function
SNP_61118B_94203	scaffold1107	NW_004516401.1	94203	CC	AA	AA	INTRON	id209683	Unknown function
SNP_61119B_94205	scaffold1107	NW_004516401.1	94205	AA	GG	GG	INTRON	id209683	Unknown function
SNP_61120B_94216	scaffold1107	NW_004516401.1	94216	AA	CC	CC	INTRON	id209683	Unknown function
SNP_61121B_94241	scaffold1107	NW_004516401.1	94241	AA	TT	TT	INTRON	id209683	Unknown function
SNP_61122B_100305	scaffold1107	NW_004516401.1	100305	AA	TT	TT	INTERGENIC		
SNP_61123B_843	scaffold1108	NW_004516402.1	843	GG	TT	TT	INTERGENIC		
SNP_61124B_13196	scaffold1109	NW_004516403.1	13196	AA	TT	TT	DRR	101508850	pectinesterase inhibitor-like
SNP_61125B_13470	scaffold1109	NW_004516403.1	13470	AA	GG	GG	DRR	101508850	pectinesterase inhibitor-like
SNP_61126B_13479	scaffold1109	NW_004516403.1	13479	CC	TT	TT	DRR	101508850	pectinesterase inhibitor-like
SNP_61127B_13493	scaffold1109	NW_004516403.1	13493	CC	AA	AA	NON_SYNONYMOUS_CODING	101508850	pectinesterase inhibitor-like
SNP_61128B_13494	scaffold1109	NW_004516403.1	13494	GG	AA	AA	NON_SYNONYMOUS_CODING	101508850	pectinesterase inhibitor-like
SNP_61129B_13545	scaffold1109	NW_004516403.1	13545	CC	GG	GG	NON_SYNONYMOUS_CODING	101508850	pectinesterase inhibitor-like
SNP_61130B_13549	scaffold1109	NW_004516403.1	13549	AA	GG	GG	SYNONYMOUS_CODING	101508850	pectinesterase inhibitor-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61131B_13552	scaffold1109	NW_004516403.1	13552	CC	TT	TT	SYNONYMOUS_CODING	101508850	pectinesterase inhibitor-like
SNP_61132B_13573	scaffold1109	NW_004516403.1	13573	AA	GG	GG	SYNONYMOUS_CODING	101508850	pectinesterase inhibitor-like
SNP_61133B_13584	scaffold1109	NW_004516403.1	13584	TT	GG	GG	NON_SYNONYMOUS_CODING	101508850	pectinesterase inhibitor-like
SNP_61134B_13593	scaffold1109	NW_004516403.1	13593	AA	GG	GG	NON_SYNONYMOUS_CODING	101508850	pectinesterase inhibitor-like
SNP_61135B_13615	scaffold1109	NW_004516403.1	13615	TT	AA	AA	NON_SYNONYMOUS_CODING	101508850	pectinesterase inhibitor-like
SNP_61136B_13627	scaffold1109	NW_004516403.1	13627	AA	CC	CC	NON_SYNONYMOUS_CODING	101508850	pectinesterase inhibitor-like
SNP_61137B_13635	scaffold1109	NW_004516403.1	13635	CC	AA	AA	NON_SYNONYMOUS_CODING	101508850	pectinesterase inhibitor-like
SNP_61138B_13658	scaffold1109	NW_004516403.1	13658	TT	CC	CC	NON_SYNONYMOUS_CODING	101508850	pectinesterase inhibitor-like
SNP_61139B_13692	scaffold1109	NW_004516403.1	13692	TT	CC	CC	NON_SYNONYMOUS_CODING	101508850	pectinesterase inhibitor-like
SNP_61140B_13714	scaffold1109	NW_004516403.1	13714	AA	TT	TT	NON_SYNONYMOUS_CODING	101508850	pectinesterase inhibitor-like
SNP_61141B_13733	scaffold1109	NW_004516403.1	13733	AA	GG	GG	NON_SYNONYMOUS_CODING	101508850	pectinesterase inhibitor-like
SNP_61142B_13812	scaffold1109	NW_004516403.1	13812	TT	GG	GG	NON_SYNONYMOUS_CODING	101508850	pectinesterase inhibitor-like
SNP_61143B_13819	scaffold1109	NW_004516403.1	13819	TT	GG	GG	NON_SYNONYMOUS_CODING	101508850	pectinesterase inhibitor-like
SNP_61144B_13916	scaffold1109	NW_004516403.1	13916	TT	GG	GG	NON_SYNONYMOUS_CODING	101508850	pectinesterase inhibitor-like
SNP_61147B_24154	scaffold1109	NW_004516403.1	24154	AA	GG	GG	INTERGENIC		
SNP_61148B_24210	scaffold1109	NW_004516403.1	24210	CC	GG	GG	INTERGENIC		
SNP_61149B_24481	scaffold1109	NW_004516403.1	24481	CC	TT	TT	INTERGENIC		
SNP_61150B_26345	scaffold1109	NW_004516403.1	26345	TT	GG	GG	INTERGENIC		
SNP_61151B_26703	scaffold1109	NW_004516403.1	26703	GG	AA	AA	INTERGENIC		
SNP_61152B_43827	scaffold1109	NW_004516403.1	43827	TT	AA	AA	URR	101509504	pectinesterase/pectinesterase inhibitor-like
SNP_61153B_97810	scaffold1109	NW_004516403.1	97810	AA	GG	GG	INTERGENIC		
SNP_61154B_124832	scaffold1109	NW_004516403.1	124832	GG	AA	AA	URR	101510139	uncharacterized LOC101510139
SNP_61155B_150104	scaffold1109	NW_004516403.1	150104	TT	CC	CC	INTERGENIC		
SNP_61156B_150117	scaffold1109	NW_004516403.1	150117	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61157B_150138	scaffold1109	NW_004516403.1	150138	AA	TT	TT	INTERGENIC		
SNP_61158B_150145	scaffold1109	NW_004516403.1	150145	GG	TT	TT	INTERGENIC		
SNP_61159B_153511	scaffold1109	NW_004516403.1	153511	TT	GG	GG	INTERGENIC		
SNP_61160B_4988	scaffold1111	NW_004516405.1	4988	GG	CC	CC	INTERGENIC		
SNP_61161B_22129	scaffold1111	NW_004516405.1	22129	TT	GG	GG	INTERGENIC		
SNP_61162B_26710	scaffold1111	NW_004516405.1	26710	AA	GG	GG	INTERGENIC		
SNP_61163B_27869	scaffold1111	NW_004516405.1	27869	GG	CC	CC	INTERGENIC		
SNP_61164B_27941	scaffold1111	NW_004516405.1	27941	GG	TT	TT	INTERGENIC		
SNP_61165B_28155	scaffold1111	NW_004516405.1	28155	TT	CC	CC	INTERGENIC		
SNP_61166B_11429	scaffold1113	NW_004516406.1	11429	AA	TT	TT	INTERGENIC		
SNP_61167B_11712	scaffold1113	NW_004516406.1	11712	CC	TT	TT	INTERGENIC		
SNP_61168B_11714	scaffold1113	NW_004516406.1	11714	AA	CC	CC	INTERGENIC		
SNP_61169B_72037	scaffold1114	NW_004516407.1	72037	TT	GG	GG	INTERGENIC		
SNP_61170B_72089	scaffold1114	NW_004516407.1	72089	CC	AA	AA	INTERGENIC		
SNP_61171B_72840	scaffold1114	NW_004516407.1	72840	TT	CC	CC	INTERGENIC		
SNP_61173B_814	scaffold1115	NW_004516408.1	814	GG	AA	AA	INTERGENIC		
SNP_61174B_1043	scaffold1115	NW_004516408.1	1043	AA	TT	TT	INTERGENIC		
SNP_61175B_11658	scaffold1115	NW_004516408.1	11658	CC	TT	TT	INTERGENIC		
SNP_61176B_90164	scaffold1115	NW_004516408.1	90164	TT	GG	GG	INTERGENIC		
SNP_61177B_2860	scaffold1116	NW_004516409.1	2860	TT	CC	CC	INTERGENIC		
SNP_61179B_16329	scaffold1116	NW_004516409.1	16329	CC	TT	TT	INTERGENIC		
SNP_61180B_16351	scaffold1116	NW_004516409.1	16351	AA	GG	GG	INTERGENIC		
SNP_61181B_16356	scaffold1116	NW_004516409.1	16356	TT	AA	AA	INTERGENIC		
SNP_61182B_19321	scaffold1116	NW_004516409.1	19321	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61183B_19350	scaffold1116	NW_004516409.1	19350	CC	TT	TT	INTERGENIC		
SNP_61184B_25273	scaffold1116	NW_004516409.1	25273	GG	AA	AA	INTERGENIC		
SNP_61185B_25299	scaffold1116	NW_004516409.1	25299	GG	AA	AA	INTERGENIC		
SNP_61186B_25645	scaffold1116	NW_004516409.1	25645	CC	TT	TT	INTERGENIC		
SNP_61187B_25709	scaffold1116	NW_004516409.1	25709	CC	AA	AA	INTERGENIC		
SNP_61188B_25755	scaffold1116	NW_004516409.1	25755	TT	CC	CC	INTERGENIC		
SNP_61189B_25757	scaffold1116	NW_004516409.1	25757	AA	GG	GG	INTERGENIC		
SNP_61190B_25773	scaffold1116	NW_004516409.1	25773	GG	AA	AA	INTERGENIC		
SNP_61191B_25847	scaffold1116	NW_004516409.1	25847	AA	GG	GG	INTERGENIC		
SNP_61192B_28972	scaffold1116	NW_004516409.1	28972	GG	TT	TT	INTERGENIC		
SNP_61193B_28973	scaffold1116	NW_004516409.1	28973	AA	CC	CC	INTERGENIC		
SNP_61194B_29197	scaffold1116	NW_004516409.1	29197	CC	TT	TT	INTERGENIC		
SNP_61195B_29216	scaffold1116	NW_004516409.1	29216	CC	TT	TT	INTERGENIC		
SNP_61196B_29512	scaffold1116	NW_004516409.1	29512	TT	AA	AA	INTERGENIC		
SNP_61197B_29538	scaffold1116	NW_004516409.1	29538	CC	TT	TT	INTERGENIC		
SNP_61198B_31161	scaffold1116	NW_004516409.1	31161	TT	GG	GG	INTERGENIC		
SNP_61199B_31433	scaffold1116	NW_004516409.1	31433	TT	CC	CC	INTERGENIC		
SNP_61200B_31434	scaffold1116	NW_004516409.1	31434	GG	CC	CC	INTERGENIC		
SNP_61201B_31530	scaffold1116	NW_004516409.1	31530	GG	AA	AA	INTERGENIC		
SNP_61202B_32461	scaffold1116	NW_004516409.1	32461	TT	AA	AA	INTERGENIC		
SNP_61204B_60362	scaffold1116	NW_004516409.1	60362	GG	TT	TT	INTERGENIC		
SNP_61205B_70670	scaffold1116	NW_004516409.1	70670	CC	TT	TT	INTERGENIC		
SNP_61206B_70754	scaffold1116	NW_004516409.1	70754	CC	TT	TT	INTERGENIC		
SNP_61208B_70823	scaffold1116	NW_004516409.1	70823	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61209B_70842	scaffold1116	NW_004516409.1	70842	AA	TT	TT	INTERGENIC		
SNP_61210B_70845	scaffold1116	NW_004516409.1	70845	TT	CC	CC	INTERGENIC		
SNP_61211B_73693	scaffold1116	NW_004516409.1	73693	CC	GG	GG	INTERGENIC		
SNP_61212B_73705	scaffold1116	NW_004516409.1	73705	GG	AA	AA	INTERGENIC		
SNP_61213B_73752	scaffold1116	NW_004516409.1	73752	CC	TT	TT	INTERGENIC		
SNP_61214B_73774	scaffold1116	NW_004516409.1	73774	TT	GG	GG	INTERGENIC		
SNP_61215B_78051	scaffold1116	NW_004516409.1	78051	GG	TT	TT	INTERGENIC		
SNP_61216B_78295	scaffold1116	NW_004516409.1	78295	TT	GG	GG	INTERGENIC		
SNP_61217B_78303	scaffold1116	NW_004516409.1	78303	TT	GG	GG	INTERGENIC		
SNP_61218B_94657	scaffold1116	NW_004516409.1	94657	CC	GG	GG	INTERGENIC		
SNP_61219B_94701	scaffold1116	NW_004516409.1	94701	TT	CC	CC	INTERGENIC		
SNP_61220B_94717	scaffold1116	NW_004516409.1	94717	AA	GG	GG	INTERGENIC		
SNP_61221B_94730	scaffold1116	NW_004516409.1	94730	TT	GG	GG	INTERGENIC		
SNP_61223B_97818	scaffold1116	NW_004516409.1	97818	AA	GG	GG	INTERGENIC		
SNP_61224B_116664	scaffold1116	NW_004516409.1	116664	AA	CC	CC	INTERGENIC		
SNP_61225B_118050	scaffold1116	NW_004516409.1	118050	CC	TT	TT	INTERGENIC		
SNP_61227B_118307	scaffold1116	NW_004516409.1	118307	GG	CC	CC	INTERGENIC		
SNP_61228B_118320	scaffold1116	NW_004516409.1	118320	TT	CC	CC	INTERGENIC		
SNP_61229B_119318	scaffold1116	NW_004516409.1	119318	TT	CC	CC	INTERGENIC		
SNP_61230B_122687	scaffold1116	NW_004516409.1	122687	AA	CC	CC	INTERGENIC		
SNP_61231B_122772	scaffold1116	NW_004516409.1	122772	GG	AA	AA	INTERGENIC		
SNP_61232B_122865	scaffold1116	NW_004516409.1	122865	TT	CC	CC	INTERGENIC		
SNP_61233B_122874	scaffold1116	NW_004516409.1	122874	AA	CC	CC	INTERGENIC		
SNP_61234B_122884	scaffold1116	NW_004516409.1	122884	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61235B_131440	scaffold1116	NW_004516409.1	131440	GG	AA	AA	INTRON	id209813	Unknown function
SNP_61236B_132682	scaffold1116	NW_004516409.1	132682	CC	TT	TT	URR	101489400	uncharacterized LOC101489400
SNP_61237B_136041	scaffold1116	NW_004516409.1	136041	TT	CC	CC	INTERGENIC		
SNP_61238B_136059	scaffold1116	NW_004516409.1	136059	TT	AA	AA	INTERGENIC		
SNP_61239B_141685	scaffold1116	NW_004516409.1	141685	TT	AA	AA	INTERGENIC		
SNP_61240B_1685	scaffold1118	NW_004516410.1	1685	AA	GG	GG	INTRON	id209822	Unknown function
SNP_61241B_9429	scaffold1118	NW_004516410.1	9429	CC	GG	GG	INTERGENIC		
SNP_61242B_9556	scaffold1118	NW_004516410.1	9556	CC	TT	TT	INTERGENIC		
SNP_61243B_9745	scaffold1118	NW_004516410.1	9745	AA	CC	CC	INTERGENIC		
SNP_61244B_9852	scaffold1118	NW_004516410.1	9852	CC	GG	GG	INTERGENIC		
SNP_61245B_19003	scaffold1118	NW_004516410.1	19003	TT	CC	CC	INTERGENIC		
SNP_61246B_20552	scaffold1118	NW_004516410.1	20552	GG	AA	AA	INTERGENIC		
SNP_61247B_20588	scaffold1118	NW_004516410.1	20588	CC	TT	TT	INTERGENIC		
SNP_61248B_20608	scaffold1118	NW_004516410.1	20608	TT	CC	CC	INTERGENIC		
SNP_61249B_26062	scaffold1118	NW_004516410.1	26062	GG	TT	TT	INTERGENIC		
SNP_61250B_26095	scaffold1118	NW_004516410.1	26095	GG	CC	CC	INTERGENIC		
SNP_61251B_26185	scaffold1118	NW_004516410.1	26185	AA	GG	GG	INTERGENIC		
SNP_61252B_26209	scaffold1118	NW_004516410.1	26209	TT	CC	CC	INTERGENIC		
SNP_61253B_26230	scaffold1118	NW_004516410.1	26230	TT	AA	AA	INTERGENIC		
SNP_61254B_26232	scaffold1118	NW_004516410.1	26232	AA	GG	GG	INTERGENIC		
SNP_61255B_26239	scaffold1118	NW_004516410.1	26239	GG	AA	AA	INTERGENIC		
SNP_61256B_26244	scaffold1118	NW_004516410.1	26244	AA	GG	GG	INTERGENIC		
SNP_61257B_26378	scaffold1118	NW_004516410.1	26378	AA	GG	GG	INTERGENIC		
SNP_61258B_26383	scaffold1118	NW_004516410.1	26383	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61259B_26645	scaffold1118	NW_004516410.1	26645	AA	TT	TT	INTERGENIC		
SNP_61261B_32320	scaffold1118	NW_004516410.1	32320	AA	GG	GG	INTERGENIC		
SNP_61262B_32507	scaffold1118	NW_004516410.1	32507	TT	CC	CC	INTERGENIC		
SNP_61263B_34350	scaffold1118	NW_004516410.1	34350	GG	TT	TT	INTERGENIC		
SNP_61264B_34573	scaffold1118	NW_004516410.1	34573	AA	CC	CC	INTERGENIC		
SNP_61266B_7594	scaffold1120	NW_004516411.1	7594	CC	TT	TT	INTERGENIC		
SNP_61267B_7726	scaffold1120	NW_004516411.1	7726	AA	GG	GG	INTERGENIC		
SNP_61268B_11049	scaffold1120	NW_004516411.1	11049	AA	GG	GG	INTERGENIC		
SNP_61269B_11088	scaffold1120	NW_004516411.1	11088	GG	AA	AA	INTERGENIC		
SNP_61270B_11098	scaffold1120	NW_004516411.1	11098	TT	CC	CC	INTERGENIC		
SNP_61272B_11179	scaffold1120	NW_004516411.1	11179	TT	CC	CC	INTERGENIC		
SNP_61273B_11189	scaffold1120	NW_004516411.1	11189	CC	AA	AA	INTERGENIC		
SNP_61274B_11408	scaffold1120	NW_004516411.1	11408	GG	AA	AA	INTERGENIC		
SNP_61275B_13816	scaffold1120	NW_004516411.1	13816	TT	AA	AA	INTERGENIC		
SNP_61276B_18355	scaffold1120	NW_004516411.1	18355	AA	GG	GG	INTERGENIC		
SNP_61277B_18380	scaffold1120	NW_004516411.1	18380	CC	GG	GG	INTERGENIC		
SNP_61278B_26554	scaffold1120	NW_004516411.1	26554	CC	TT	TT	INTERGENIC		
SNP_61279B_39638	scaffold1120	NW_004516411.1	39638	GG	AA	AA	INTERGENIC		
SNP_61281B_53482	scaffold1120	NW_004516411.1	53482	TT	GG	GG	INTERGENIC		
SNP_61282B_948	scaffold1126	NW_004516414.1	948	AA	TT	TT	INTERGENIC		
SNP_61283B_3923	scaffold1126	NW_004516414.1	3923	TT	CC	CC	INTERGENIC		
SNP_61284B_4197	scaffold1126	NW_004516414.1	4197	TT	CC	CC	INTERGENIC		
SNP_61285B_4277	scaffold1126	NW_004516414.1	4277	TT	AA	AA	INTERGENIC		
SNP_61286B_5389	scaffold1126	NW_004516414.1	5389	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61287B_9903	scaffold1126	NW_004516414.1	9903	TT	GG	GG	INTERGENIC		
SNP_61288B_10125	scaffold1126	NW_004516414.1	10125	AA	GG	GG	INTERGENIC		
SNP_61289B_21167	scaffold1128	NW_004516416.1	21167	GG	AA	AA	INTERGENIC		
SNP_61290B_25385	scaffold1128	NW_004516416.1	25385	CC	TT	TT	INTERGENIC		
SNP_61292B_27854	scaffold1128	NW_004516416.1	27854	AA	CC	CC	INTERGENIC		
SNP_61293B_27902	scaffold1128	NW_004516416.1	27902	TT	CC	CC	INTERGENIC		
SNP_61294B_28155	scaffold1128	NW_004516416.1	28155	TT	AA	AA	INTERGENIC		
SNP_61295B_58067	scaffold1128	NW_004516416.1	58067	GG	AA	AA	INTERGENIC		
SNP_61296B_75564	scaffold1128	NW_004516416.1	75564	CC	TT	TT	INTERGENIC		
SNP_61297B_96030	scaffold1128	NW_004516416.1	96030	AA	GG	GG	INTRON	101493301	ABC transporter G family member 39-like
SNP_61298B_123449	scaffold1128	NW_004516416.1	123449	TT	CC	CC	INTERGENIC		
SNP_61299B_146108	scaffold1128	NW_004516416.1	146108	CC	TT	TT	INTERGENIC		
SNP_61300B_146382	scaffold1128	NW_004516416.1	146382	TT	CC	CC	INTERGENIC		
SNP_61301B_146451	scaffold1128	NW_004516416.1	146451	TT	CC	CC	INTERGENIC		
SNP_61302B_146453	scaffold1128	NW_004516416.1	146453	TT	GG	GG	INTERGENIC		
SNP_61303B_148704	scaffold1128	NW_004516416.1	148704	GG	TT	TT	INTERGENIC		
SNP_61305B_229865	scaffold1128	NW_004516416.1	229865	CC	TT	TT	INTERGENIC		
SNP_61306B_230263	scaffold1128	NW_004516416.1	230263	GG	AA	AA	INTERGENIC		
SNP_61307B_230277	scaffold1128	NW_004516416.1	230277	GG	TT	TT	INTERGENIC		
SNP_61308B_275083	scaffold1128	NW_004516416.1	275083	TT	CC	CC	DRR	101494575	alkane hydroxylase MAH1-like
SNP_61309B_275214	scaffold1128	NW_004516416.1	275214	TT	AA	AA	DRR	101494575	alkane hydroxylase MAH1-like
SNP_61310B_322953	scaffold1128	NW_004516416.1	322953	TT	AA	AA	INTERGENIC		
SNP_61311B_354492	scaffold1128	NW_004516416.1	354492	GG	AA	AA	INTERGENIC		
SNP_61312B_407685	scaffold1128	NW_004516416.1	407685	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61313B_492346	scaffold1128	NW_004516416.1	492346	CC	GG	GG	INTERGENIC		
SNP_61314B_29661	scaffold1131	NW_004516418.1	29661	CC	AA	AA	INTERGENIC		
SNP_61315B_29755	scaffold1131	NW_004516418.1	29755	CC	TT	TT	INTERGENIC		
SNP_61316B_29814	scaffold1131	NW_004516418.1	29814	TT	CC	CC	INTERGENIC		
SNP_61317B_29848	scaffold1131	NW_004516418.1	29848	TT	CC	CC	INTERGENIC		
SNP_61319B_30070	scaffold1131	NW_004516418.1	30070	AA	TT	TT	INTERGENIC		
SNP_61320B_30110	scaffold1131	NW_004516418.1	30110	CC	AA	AA	INTERGENIC		
SNP_61321B_30117	scaffold1131	NW_004516418.1	30117	CC	TT	TT	INTERGENIC		
SNP_61322B_30136	scaffold1131	NW_004516418.1	30136	CC	GG	GG	INTERGENIC		
SNP_61323B_30154	scaffold1131	NW_004516418.1	30154	AA	GG	GG	INTERGENIC		
SNP_61324B_30175	scaffold1131	NW_004516418.1	30175	AA	GG	GG	INTERGENIC		
SNP_61325B_30179	scaffold1131	NW_004516418.1	30179	AA	GG	GG	INTERGENIC		
SNP_61326B_30244	scaffold1131	NW_004516418.1	30244	CC	GG	GG	INTERGENIC		
SNP_61327B_30294	scaffold1131	NW_004516418.1	30294	AA	CC	CC	INTERGENIC		
SNP_61328B_39349	scaffold1131	NW_004516418.1	39349	CC	TT	TT	INTERGENIC		
SNP_61329B_39462	scaffold1131	NW_004516418.1	39462	CC	TT	TT	INTERGENIC		
SNP_61330B_81684	scaffold1131	NW_004516418.1	81684	AA	GG	GG	INTERGENIC		
SNP_61331B_81840	scaffold1131	NW_004516418.1	81840	AA	GG	GG	INTERGENIC		
SNP_61332B_82004	scaffold1131	NW_004516418.1	82004	TT	GG	GG	INTERGENIC		
SNP_61333B_144206	scaffold1131	NW_004516418.1	144206	GG	TT	TT	INTERGENIC		
SNP_61334B_49522	scaffold1132	NW_004516419.1	49522	AA	GG	GG	INTERGENIC		
SNP_61335B_1632	scaffold1133	NW_004516420.1	1632	CC	GG	GG	INTERGENIC		
SNP_61336B_1666	scaffold1133	NW_004516420.1	1666	TT	CC	CC	INTERGENIC		
SNP_61337B_18551	scaffold1133	NW_004516420.1	18551	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61338B_18897	scaffold1133	NW_004516420.1	18897	TT	GG	GG	INTERGENIC		
SNP_61339B_18904	scaffold1133	NW_004516420.1	18904	GG	AA	AA	INTERGENIC		
SNP_61340B_19126	scaffold1133	NW_004516420.1	19126	CC	AA	AA	INTERGENIC		
SNP_61341B_42067	scaffold1133	NW_004516420.1	42067	CC	AA	AA	INTERGENIC		
SNP_61342B_53131	scaffold1133	NW_004516420.1	53131	AA	GG	GG	INTERGENIC		
SNP_61343B_53145	scaffold1133	NW_004516420.1	53145	GG	TT	TT	INTERGENIC		
SNP_61344B_53426	scaffold1133	NW_004516420.1	53426	CC	AA	AA	INTERGENIC		
SNP_61345B_53434	scaffold1133	NW_004516420.1	53434	CC	TT	TT	INTERGENIC		
SNP_61346B_53873	scaffold1133	NW_004516420.1	53873	CC	TT	TT	INTERGENIC		
SNP_61347B_58031	scaffold1133	NW_004516420.1	58031	CC	TT	TT	INTERGENIC		
SNP_61348B_7598	scaffold1134	NW_004516421.1	7598	AA	CC	CC	INTERGENIC		
SNP_61349B_938	scaffold1135	NW_004516422.1	938	GG	AA	AA	INTERGENIC		
SNP_61350B_1781	scaffold1135	NW_004516422.1	1781	TT	CC	CC	INTERGENIC		
SNP_61352B_9990	scaffold1135	NW_004516422.1	9990	GG	AA	AA	INTERGENIC		
SNP_61353B_10345	scaffold1135	NW_004516422.1	10345	GG	AA	AA	INTERGENIC		
SNP_61354B_10597	scaffold1135	NW_004516422.1	10597	GG	AA	AA	INTERGENIC		
SNP_61355B_10601	scaffold1135	NW_004516422.1	10601	TT	CC	CC	INTERGENIC		
SNP_61356B_10955	scaffold1135	NW_004516422.1	10955	GG	AA	AA	INTERGENIC		
SNP_61357B_11584	scaffold1135	NW_004516422.1	11584	TT	CC	CC	INTERGENIC		
SNP_61358B_11589	scaffold1135	NW_004516422.1	11589	GG	TT	TT	INTERGENIC		
SNP_61359B_12417	scaffold1135	NW_004516422.1	12417	GG	AA	AA	INTERGENIC		
SNP_61360B_12437	scaffold1135	NW_004516422.1	12437	AA	GG	GG	INTERGENIC		
SNP_61361B_13105	scaffold1135	NW_004516422.1	13105	CC	GG	GG	DRR	101503282	uncharacterized LOC101503282
SNP_61362B_13153	scaffold1135	NW_004516422.1	13153	CC	TT	TT	DRR	101503282	uncharacterized LOC101503282

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61363B_13367	scaffold1135	NW_004516422.1	13367	CC	TT	TT	DRR	101503282	uncharacterized LOC101503282
SNP_61365B_14186	scaffold1135	NW_004516422.1	14186	GG	AA	AA	SPLICE_SITE_REGION	101503282	uncharacterized LOC101503282
SNP_61366B_14650	scaffold1135	NW_004516422.1	14650	GG	AA	AA	URR	101503282	uncharacterized LOC101503282
SNP_61367B_14696	scaffold1135	NW_004516422.1	14696	TT	CC	CC	URR	101503282	uncharacterized LOC101503282
SNP_61368B_15078	scaffold1135	NW_004516422.1	15078	CC	TT	TT	URR	101503282	uncharacterized LOC101503282
SNP_61369B_15802	scaffold1135	NW_004516422.1	15802	AA	CC	CC	URR	101503282	uncharacterized LOC101503282
SNP_61370B_15914	scaffold1135	NW_004516422.1	15914	AA	GG	GG	URR	101503282	uncharacterized LOC101503282
SNP_61371B_16844	scaffold1135	NW_004516422.1	16844	TT	AA	AA	INTERGENIC		
SNP_61372B_17124	scaffold1135	NW_004516422.1	17124	GG	AA	AA	INTERGENIC		
SNP_61373B_17580	scaffold1135	NW_004516422.1	17580	TT	CC	CC	INTERGENIC		
SNP_61374B_18052	scaffold1135	NW_004516422.1	18052	CC	TT	TT	INTERGENIC		
SNP_61375B_18276	scaffold1135	NW_004516422.1	18276	TT	AA	AA	INTERGENIC		
SNP_61376B_18277	scaffold1135	NW_004516422.1	18277	TT	CC	CC	INTERGENIC		
SNP_61377B_18278	scaffold1135	NW_004516422.1	18278	AA	TT	TT	INTERGENIC		
SNP_61378B_32391	scaffold1135	NW_004516422.1	32391	TT	GG	GG	INTERGENIC		
SNP_61379B_32437	scaffold1135	NW_004516422.1	32437	CC	TT	TT	INTERGENIC		
SNP_61380B_32585	scaffold1135	NW_004516422.1	32585	AA	GG	GG	INTERGENIC		
SNP_61381B_32596	scaffold1135	NW_004516422.1	32596	TT	AA	AA	INTERGENIC		
SNP_61382B_60890	scaffold1135	NW_004516422.1	60890	GG	AA	AA	URR	101505209	uncharacterized LOC101505209
SNP_61383B_60896	scaffold1135	NW_004516422.1	60896	CC	TT	TT	URR	101505209	uncharacterized LOC101505209
SNP_61384B_60950	scaffold1135	NW_004516422.1	60950	TT	GG	GG	URR	101505209	uncharacterized LOC101505209
SNP_61385B_60968	scaffold1135	NW_004516422.1	60968	TT	AA	AA	URR	101505209	uncharacterized LOC101505209
SNP_61386B_61274	scaffold1135	NW_004516422.1	61274	TT	CC	CC	URR	101505209	uncharacterized LOC101505209
SNP_61388B_71395	scaffold1135	NW_004516422.1	71395	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61389B_71396	scaffold1135	NW_004516422.1	71396	TT	CC	CC	INTERGENIC		
SNP_61390B_71593	scaffold1135	NW_004516422.1	71593	AA	CC	CC	INTERGENIC		
SNP_61391B_71878	scaffold1135	NW_004516422.1	71878	TT	GG	GG	INTERGENIC		
SNP_61392B_71892	scaffold1135	NW_004516422.1	71892	GG	TT	TT	INTERGENIC		
SNP_61393B_71899	scaffold1135	NW_004516422.1	71899	GG	TT	TT	INTERGENIC		
SNP_61394B_74533	scaffold1135	NW_004516422.1	74533	AA	TT	TT	INTERGENIC		
SNP_61395B_74802	scaffold1135	NW_004516422.1	74802	AA	GG	GG	INTERGENIC		
SNP_61396B_74950	scaffold1135	NW_004516422.1	74950	TT	CC	CC	INTERGENIC		
SNP_61398B_75514	scaffold1135	NW_004516422.1	75514	CC	AA	AA	INTERGENIC		
SNP_61400B_806	scaffold1139	NW_004516425.1	806	AA	CC	CC	INTERGENIC		
SNP_61401B_817	scaffold1139	NW_004516425.1	817	TT	CC	CC	INTERGENIC		
SNP_61402B_842	scaffold1139	NW_004516425.1	842	AA	GG	GG	INTERGENIC		
SNP_61403B_874	scaffold1139	NW_004516425.1	874	GG	TT	TT	INTERGENIC		
SNP_61404B_886	scaffold1139	NW_004516425.1	886	TT	CC	CC	INTERGENIC		
SNP_61405B_939	scaffold1139	NW_004516425.1	939	GG	AA	AA	INTERGENIC		
SNP_61406B_1116	scaffold1139	NW_004516425.1	1116	TT	CC	CC	INTERGENIC		
SNP_61407B_1117	scaffold1139	NW_004516425.1	1117	CC	AA	AA	INTERGENIC		
SNP_61409B_1235	scaffold1139	NW_004516425.1	1235	AA	GG	GG	INTERGENIC		
SNP_61410B_1253	scaffold1139	NW_004516425.1	1253	AA	GG	GG	INTERGENIC		
SNP_61411B_1359	scaffold1139	NW_004516425.1	1359	CC	AA	AA	INTERGENIC		
SNP_61413B_1409	scaffold1139	NW_004516425.1	1409	TT	AA	AA	INTERGENIC		
SNP_61414B_1420	scaffold1139	NW_004516425.1	1420	AA	GG	GG	INTERGENIC		
SNP_61416B_1701	scaffold1139	NW_004516425.1	1701	TT	AA	AA	INTERGENIC		
SNP_61417B_1764	scaffold1139	NW_004516425.1	1764	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61418B_1813	scaffold1139	NW_004516425.1	1813	GG	CC	CC	INTERGENIC		
SNP_61419B_1828	scaffold1139	NW_004516425.1	1828	CC	TT	TT	INTERGENIC		
SNP_61420B_1845	scaffold1139	NW_004516425.1	1845	TT	GG	GG	INTERGENIC		
SNP_61421B_1884	scaffold1139	NW_004516425.1	1884	GG	CC	CC	INTERGENIC		
SNP_61422B_1892	scaffold1139	NW_004516425.1	1892	TT	CC	CC	INTERGENIC		
SNP_61423B_1926	scaffold1139	NW_004516425.1	1926	CC	TT	TT	INTERGENIC		
SNP_61424B_1970	scaffold1139	NW_004516425.1	1970	AA	GG	GG	INTERGENIC		
SNP_61425B_1990	scaffold1139	NW_004516425.1	1990	CC	TT	TT	INTERGENIC		
SNP_61427B_18484	scaffold1142	NW_004516427.1	18484	TT	AA	AA	INTERGENIC		
SNP_61428B_2152	scaffold1145	NW_004516429.1	2152	TT	CC	CC	INTERGENIC		
SNP_61429B_2232	scaffold1145	NW_004516429.1	2232	AA	GG	GG	INTERGENIC		
SNP_61430B_2368	scaffold1145	NW_004516429.1	2368	TT	CC	CC	INTERGENIC		
SNP_61431B_2422	scaffold1145	NW_004516429.1	2422	TT	CC	GG	INTERGENIC		
SNP_61432B_2514	scaffold1145	NW_004516429.1	2514	CC	TT	TT	INTERGENIC		
SNP_61433B_2535	scaffold1145	NW_004516429.1	2535	TT	CC	CC	INTERGENIC		
SNP_61434B_2709	scaffold1145	NW_004516429.1	2709	TT	CC	CC	INTERGENIC		
SNP_61435B_2719	scaffold1145	NW_004516429.1	2719	AA	GG	GG	INTERGENIC		
SNP_61436B_3670	scaffold1145	NW_004516429.1	3670	CC	AA	AA	INTERGENIC		
SNP_61438B_4286	scaffold1145	NW_004516429.1	4286	TT	GG	GG	INTERGENIC		
SNP_61439B_4320	scaffold1145	NW_004516429.1	4320	GG	CC	CC	INTERGENIC		
SNP_61440B_13924	scaffold1145	NW_004516429.1	13924	CC	TT	TT	INTERGENIC		
SNP_61441B_14008	scaffold1145	NW_004516429.1	14008	GG	CC	CC	INTERGENIC		
SNP_61442B_15698	scaffold1145	NW_004516429.1	15698	AA	GG	GG	INTERGENIC		
SNP_61443B_15711	scaffold1145	NW_004516429.1	15711	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61444B_15712	scaffold1145	NW_004516429.1	15712	AA	TT	TT	INTERGENIC		
SNP_61446B_16045	scaffold1145	NW_004516429.1	16045	CC	GG	GG	INTERGENIC		
SNP_61447B_16115	scaffold1145	NW_004516429.1	16115	AA	TT	TT	INTERGENIC		
SNP_61448B_16393	scaffold1145	NW_004516429.1	16393	AA	TT	TT	INTERGENIC		
SNP_61449B_16413	scaffold1145	NW_004516429.1	16413	AA	TT	TT	INTERGENIC		
SNP_61450B_16534	scaffold1145	NW_004516429.1	16534	AA	CC	CC	INTERGENIC		
SNP_61451B_26375	scaffold1145	NW_004516429.1	26375	GG	AA	AA	INTERGENIC		
SNP_61452B_26522	scaffold1145	NW_004516429.1	26522	CC	TT	TT	INTERGENIC		
SNP_61453B_26849	scaffold1145	NW_004516429.1	26849	AA	GG	GG	INTERGENIC		
SNP_61454B_81439	scaffold1145	NW_004516429.1	81439	TT	CC	CC	INTERGENIC		
SNP_61455B_81655	scaffold1145	NW_004516429.1	81655	CC	TT	TT	INTERGENIC		
SNP_61456B_81805	scaffold1145	NW_004516429.1	81805	AA	GG	GG	INTERGENIC		
SNP_61457B_100412	scaffold1145	NW_004516429.1	100412	AA	CC	CC	INTERGENIC		
SNP_61458B_100414	scaffold1145	NW_004516429.1	100414	GG	AA	AA	INTERGENIC		
SNP_61459B_100492	scaffold1145	NW_004516429.1	100492	AA	GG	GG	INTERGENIC		
SNP_61460B_100493	scaffold1145	NW_004516429.1	100493	AA	CC	CC	INTERGENIC		
SNP_61461B_100544	scaffold1145	NW_004516429.1	100544	AA	CC	CC	INTERGENIC		
SNP_61462B_8431	scaffold1147	NW_004516430.1	8431	TT	AA	AA	INTERGENIC		
SNP_61463B_28118	scaffold1147	NW_004516430.1	28118	AA	GG	GG	INTERGENIC		
SNP_61464B_1153	scaffold1148	NW_004516431.1	1153	CC	AA	AA	INTERGENIC		
SNP_61465B_496	scaffold1150	NW_004516433.1	496	TT	CC	CC	INTERGENIC		
SNP_61466B_516	scaffold1150	NW_004516433.1	516	GG	CC	CC	INTERGENIC		
SNP_61467B_849	scaffold1150	NW_004516433.1	849	CC	AA	AA	INTERGENIC		
SNP_61468B_911	scaffold1150	NW_004516433.1	911	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61469B_1169	scaffold1150	NW_004516433.1	1169	AA	CC	CC	INTERGENIC		
SNP_61470B_1195	scaffold1150	NW_004516433.1	1195	AA	GG	GG	INTERGENIC		
SNP_61471B_1236	scaffold1150	NW_004516433.1	1236	TT	CC	CC	INTERGENIC		
SNP_61472B_18772	scaffold1151	NW_004516434.1	18772	TT	AA	AA	INTERGENIC		
SNP_61474B_19855	scaffold1151	NW_004516434.1	19855	CC	TT	TT	INTERGENIC		
SNP_61475B_20269	scaffold1151	NW_004516434.1	20269	TT	GG	GG	INTERGENIC		
SNP_61476B_29091	scaffold1151	NW_004516434.1	29091	TT	CC	CC	INTRON	101511756	aquaporin NIP6-1
SNP_61477B_29561	scaffold1151	NW_004516434.1	29561	GG	CC	CC	INTRON	101511756	aquaporin NIP6-1
SNP_61478B_119357	scaffold1151	NW_004516434.1	119357	CC	TT	TT	DRR	101512396	bidirectional sugar transporter SWEET2-like
SNP_61479B_119412	scaffold1151	NW_004516434.1	119412	TT	CC	CC	DRR	101512396	bidirectional sugar transporter SWEET2-like
SNP_61480B_119710	scaffold1151	NW_004516434.1	119710	TT	CC	CC	DRR	101512396	bidirectional sugar transporter SWEET2-like
SNP_61481B_119758	scaffold1151	NW_004516434.1	119758	AA	TT	TT	DRR	101512396	bidirectional sugar transporter SWEET2-like
SNP_61482B_161631	scaffold1151	NW_004516434.1	161631	CC	TT	TT	INTERGENIC		
SNP_61483B_279777	scaffold1151	NW_004516434.1	279777	AA	CC	CC	INTRON	101511219	Golgi SNAP receptor complex member 1-1-like
SNP_61484B_279783	scaffold1151	NW_004516434.1	279783	CC	GG	GG	INTRON	101511219	Golgi SNAP receptor complex member 1-1-like
SNP_61485B_279866	scaffold1151	NW_004516434.1	279866	CC	AA	AA	INTRON	101511219	Golgi SNAP receptor complex member 1-1-like
SNP_61486B_279877	scaffold1151	NW_004516434.1	279877	AA	GG	GG	INTRON	101511219	Golgi SNAP receptor complex member 1-1-like
SNP_61487B_279888	scaffold1151	NW_004516434.1	279888	GG	AA	AA	INTRON	101511219	Golgi SNAP receptor complex member 1-1-like
SNP_61488B_279896	scaffold1151	NW_004516434.1	279896	AA	TT	TT	INTRON	101511219	Golgi SNAP receptor complex member 1-1-like
SNP_61489B_279904	scaffold1151	NW_004516434.1	279904	AA	GG	GG	INTRON	101511219	Golgi SNAP receptor complex member 1-1-like
SNP_61490B_279919	scaffold1151	NW_004516434.1	279919	CC	TT	TT	INTRON	101511219	Golgi SNAP receptor complex member 1-1-like
SNP_61491B_279931	scaffold1151	NW_004516434.1	279931	AA	CC	CC	INTRON	101511219	Golgi SNAP receptor complex member 1-1-like
SNP_61492B_279948	scaffold1151	NW_004516434.1	279948	TT	CC	CC	INTRON	101511219	Golgi SNAP receptor complex member 1-1-like
SNP_61493B_280116	scaffold1151	NW_004516434.1	280116	AA	GG	GG	NON_SYNONYMOUS_CODING	101511219	Golgi SNAP receptor complex member 1-1-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61494B_280239	scaffold1151	NW_004516434.1	280239	TT	CC	CC	NON_SYNONYMOUS_CODING	101511219	Golgi SNAP receptor complex member 1-1-like
SNP_61495B_281008	scaffold1151	NW_004516434.1	281008	AA	CC	GG	INTRON	101511219	Golgi SNAP receptor complex member 1-1-like
SNP_61496B_281023	scaffold1151	NW_004516434.1	281023	AA	TT	TT	INTRON	101511219	Golgi SNAP receptor complex member 1-1-like
SNP_61497B_281043	scaffold1151	NW_004516434.1	281043	CC	AA	AA	INTRON	101511219	Golgi SNAP receptor complex member 1-1-like
SNP_61498B_281054	scaffold1151	NW_004516434.1	281054	TT	CC	CC	INTRON	101511219	Golgi SNAP receptor complex member 1-1-like
SNP_61499B_281259	scaffold1151	NW_004516434.1	281259	TT	CC	CC	INTRON	101511219	Golgi SNAP receptor complex member 1-1-like
SNP_61501B_13628	scaffold1152	NW_004516435.1	13628	GG	TT	TT	INTERGENIC		
SNP_61502B_32629	scaffold1152	NW_004516435.1	32629	AA	GG	GG	INTERGENIC		
SNP_61503B_32779	scaffold1152	NW_004516435.1	32779	TT	CC	CC	INTERGENIC		
SNP_61504B_32798	scaffold1152	NW_004516435.1	32798	GG	AA	AA	INTERGENIC		
SNP_61505B_32814	scaffold1152	NW_004516435.1	32814	AA	TT	TT	INTERGENIC		
SNP_61506B_32835	scaffold1152	NW_004516435.1	32835	AA	CC	CC	INTERGENIC		
SNP_61507B_33129	scaffold1152	NW_004516435.1	33129	AA	GG	GG	INTERGENIC		
SNP_61508B_33173	scaffold1152	NW_004516435.1	33173	TT	CC	CC	INTERGENIC		
SNP_61509B_36519	scaffold1152	NW_004516435.1	36519	AA	GG	GG	INTERGENIC		
SNP_61510B_77695	scaffold1152	NW_004516435.1	77695	TT	CC	CC	INTERGENIC		
SNP_61512B_77946	scaffold1152	NW_004516435.1	77946	CC	TT	TT	INTERGENIC		
SNP_61513B_78824	scaffold1152	NW_004516435.1	78824	TT	CC	CC	INTERGENIC		
SNP_61514B_92897	scaffold1152	NW_004516435.1	92897	TT	GG	GG	INTERGENIC		
SNP_61515B_92947	scaffold1152	NW_004516435.1	92947	AA	CC	CC	INTERGENIC		
SNP_61516B_115150	scaffold1152	NW_004516435.1	115150	AA	GG	GG	INTERGENIC		
SNP_61517B_115173	scaffold1152	NW_004516435.1	115173	TT	GG	GG	INTERGENIC		
SNP_61518B_115183	scaffold1152	NW_004516435.1	115183	AA	TT	TT	INTERGENIC		
SNP_61519B_115432	scaffold1152	NW_004516435.1	115432	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61520B_115440	scaffold1152	NW_004516435.1	115440	GG	CC	CC	INTERGENIC		
SNP_61521B_115510	scaffold1152	NW_004516435.1	115510	GG	AA	AA	INTERGENIC		
SNP_61522B_115521	scaffold1152	NW_004516435.1	115521	AA	GG	GG	INTERGENIC		
SNP_61524B_42188	scaffold1153	NW_004516436.1	42188	GG	AA	AA	INTERGENIC		
SNP_61525B_42194	scaffold1153	NW_004516436.1	42194	TT	AA	AA	INTERGENIC		
SNP_61526B_42198	scaffold1153	NW_004516436.1	42198	TT	CC	CC	INTERGENIC		
SNP_61527B_42215	scaffold1153	NW_004516436.1	42215	CC	GG	GG	INTERGENIC		
SNP_61528B_42217	scaffold1153	NW_004516436.1	42217	TT	GG	GG	INTERGENIC		
SNP_61529B_128498	scaffold1153	NW_004516436.1	128498	TT	AA	AA	INTERGENIC		
SNP_61530B_1649	scaffold1156	NW_004516439.1	1649	AA	GG	GG	INTERGENIC		
SNP_61531B_2679	scaffold1156	NW_004516439.1	2679	AA	CC	CC	INTERGENIC		
SNP_61532B_2901	scaffold1156	NW_004516439.1	2901	AA	CC	CC	INTERGENIC		
SNP_61533B_3022	scaffold1156	NW_004516439.1	3022	GG	TT	TT	INTERGENIC		
SNP_61534B_3023	scaffold1156	NW_004516439.1	3023	TT	AA	AA	INTERGENIC		
SNP_61535B_3051	scaffold1156	NW_004516439.1	3051	AA	GG	GG	INTERGENIC		
SNP_61536B_3064	scaffold1156	NW_004516439.1	3064	TT	CC	CC	INTERGENIC		
SNP_61537B_3250	scaffold1156	NW_004516439.1	3250	TT	AA	AA	INTERGENIC		
SNP_61538B_3291	scaffold1156	NW_004516439.1	3291	CC	TT	TT	INTERGENIC		
SNP_61539B_3353	scaffold1156	NW_004516439.1	3353	CC	TT	TT	INTERGENIC		
SNP_61541B_3365	scaffold1156	NW_004516439.1	3365	AA	TT	TT	INTERGENIC		
SNP_61543B_186	scaffold1158	NW_004516441.1	186	TT	GG	GG	INTERGENIC		
SNP_61544B_347	scaffold1158	NW_004516441.1	347	GG	AA	AA	INTERGENIC		
SNP_61545B_5250	scaffold1158	NW_004516441.1	5250	CC	TT	TT	INTERGENIC		
SNP_61546B_5274	scaffold1158	NW_004516441.1	5274	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61548B_2631	scaffold1161	NW_004516443.1	2631	GG	TT	TT	INTERGENIC		
SNP_61549B_12343	scaffold1161	NW_004516443.1	12343	TT	CC	CC	INTERGENIC		
SNP_61550B_12435	scaffold1161	NW_004516443.1	12435	AA	GG	GG	INTERGENIC		
SNP_61551B_12561	scaffold1161	NW_004516443.1	12561	GG	TT	TT	INTERGENIC		
SNP_61552B_12573	scaffold1161	NW_004516443.1	12573	AA	TT	TT	INTERGENIC		
SNP_61553B_12604	scaffold1161	NW_004516443.1	12604	GG	TT	TT	INTERGENIC		
SNP_61554B_12735	scaffold1161	NW_004516443.1	12735	TT	AA	AA	INTERGENIC		
SNP_61555B_12737	scaffold1161	NW_004516443.1	12737	CC	GG	GG	INTERGENIC		
SNP_61557B_12960	scaffold1161	NW_004516443.1	12960	AA	GG	GG	INTERGENIC		
SNP_61558B_13014	scaffold1161	NW_004516443.1	13014	CC	AA	AA	INTERGENIC		
SNP_61559B_13016	scaffold1161	NW_004516443.1	13016	TT	AA	AA	INTERGENIC		
SNP_61560B_980	scaffold1165	NW_004516446.1	980	TT	GG	GG	INTERGENIC		
SNP_61561B_47658	scaffold1166	NW_004516447.1	47658	AA	GG	GG	INTERGENIC		
SNP_61562B_47823	scaffold1166	NW_004516447.1	47823	AA	GG	GG	INTERGENIC		
SNP_61563B_47924	scaffold1166	NW_004516447.1	47924	CC	TT	TT	INTERGENIC		
SNP_61564B_47932	scaffold1166	NW_004516447.1	47932	AA	GG	GG	INTERGENIC		
SNP_61565B_48085	scaffold1166	NW_004516447.1	48085	CC	AA	AA	INTERGENIC		
SNP_61566B_48116	scaffold1166	NW_004516447.1	48116	AA	TT	TT	INTERGENIC		
SNP_61567B_48138	scaffold1166	NW_004516447.1	48138	GG	AA	AA	INTERGENIC		
SNP_61568B_48153	scaffold1166	NW_004516447.1	48153	GG	AA	AA	INTERGENIC		
SNP_61569B_48184	scaffold1166	NW_004516447.1	48184	TT	CC	CC	INTERGENIC		
SNP_61570B_48187	scaffold1166	NW_004516447.1	48187	TT	AA	AA	INTERGENIC		
SNP_61571B_1064	scaffold1172	NW_004516450.1	1064	GG	AA	AA	INTERGENIC		
SNP_61572B_11951	scaffold1173	NW_004516451.1	11951	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61573B_107	scaffold1174	NW_004516452.1	107	GG	AA	AA	INTERGENIC		
SNP_61574B_108	scaffold1174	NW_004516452.1	108	AA	TT	TT	INTERGENIC		
SNP_61575B_274	scaffold1174	NW_004516452.1	274	CC	GG	GG	INTERGENIC		
SNP_61576B_433	scaffold1174	NW_004516452.1	433	TT	GG	GG	INTERGENIC		
SNP_61577B_741	scaffold1174	NW_004516452.1	741	TT	GG	GG	INTERGENIC		
SNP_61578B_809	scaffold1174	NW_004516452.1	809	TT	AA	AA	INTERGENIC		
SNP_61579B_1134	scaffold1174	NW_004516452.1	1134	GG	CC	CC	INTERGENIC		
SNP_61580B_1399	scaffold1174	NW_004516452.1	1399	TT	AA	AA	INTERGENIC		
SNP_61581B_1605	scaffold1174	NW_004516452.1	1605	CC	TT	TT	INTERGENIC		
SNP_61582B_1706	scaffold1174	NW_004516452.1	1706	CC	AA	AA	INTERGENIC		
SNP_61583B_1808	scaffold1174	NW_004516452.1	1808	AA	TT	TT	INTERGENIC		
SNP_61584B_15270	scaffold1174	NW_004516452.1	15270	GG	TT	TT	INTERGENIC		
SNP_61585B_15297	scaffold1174	NW_004516452.1	15297	AA	GG	GG	INTERGENIC		
SNP_61586B_15307	scaffold1174	NW_004516452.1	15307	GG	TT	TT	INTERGENIC		
SNP_61587B_15381	scaffold1174	NW_004516452.1	15381	GG	AA	AA	INTERGENIC		
SNP_61588B_15535	scaffold1174	NW_004516452.1	15535	TT	CC	CC	INTERGENIC		
SNP_61589B_15569	scaffold1174	NW_004516452.1	15569	TT	AA	AA	INTERGENIC		
SNP_61590B_15943	scaffold1174	NW_004516452.1	15943	AA	CC	CC	INTERGENIC		
SNP_61591B_15944	scaffold1174	NW_004516452.1	15944	AA	CC	CC	INTERGENIC		
SNP_61592B_21198	scaffold1174	NW_004516452.1	21198	TT	CC	CC	INTERGENIC		
SNP_61593B_22913	scaffold1174	NW_004516452.1	22913	GG	AA	AA	INTERGENIC		
SNP_61594B_23064	scaffold1174	NW_004516452.1	23064	AA	GG	GG	INTERGENIC		
SNP_61596B_25186	scaffold1174	NW_004516452.1	25186	TT	AA	AA	INTERGENIC		
SNP_61597B_493	scaffold1175	NW_004516453.1	493	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61598B_3530	scaffold1175	NW_004516453.1	3530	AA	TT	TT	INTERGENIC		
SNP_61599B_3532	scaffold1175	NW_004516453.1	3532	CC	TT	TT	INTERGENIC		
SNP_61600B_37110	scaffold1176_2	NW_004516454.1	37110	TT	GG	GG	INTERGENIC		
SNP_61601B_57713	scaffold1176_2	NW_004516454.1	57713	AA	GG	GG	INTERGENIC		
SNP_61602B_158306	scaffold1176_2	NW_004516454.1	158306	GG	TT	TT	INTERGENIC		
SNP_61603B_196313	scaffold1176_2	NW_004516454.1	196313	AA	CC	CC	INTERGENIC		
SNP_61604B_196314	scaffold1176_2	NW_004516454.1	196314	AA	GG	GG	INTERGENIC		
SNP_61605B_196334	scaffold1176_2	NW_004516454.1	196334	CC	AA	AA	INTERGENIC		
SNP_61606B_196383	scaffold1176_2	NW_004516454.1	196383	AA	GG	GG	INTERGENIC		
SNP_61607B_196506	scaffold1176_2	NW_004516454.1	196506	CC	AA	AA	INTERGENIC		
SNP_61608B_196623	scaffold1176_2	NW_004516454.1	196623	TT	CC	CC	INTERGENIC		
SNP_61609B_196655	scaffold1176_2	NW_004516454.1	196655	TT	CC	CC	INTERGENIC		
SNP_61610B_196708	scaffold1176_2	NW_004516454.1	196708	TT	AA	AA	INTERGENIC		
SNP_61611B_227395	scaffold1176_2	NW_004516454.1	227395	AA	TT	TT	INTERGENIC		
SNP_61612B_237547	scaffold1176_2	NW_004516454.1	237547	GG	AA	AA	INTERGENIC		
SNP_61613B_237788	scaffold1176_2	NW_004516454.1	237788	TT	GG	GG	INTERGENIC		
SNP_61614B_238525	scaffold1176_2	NW_004516454.1	238525	GG	AA	AA	INTERGENIC		
SNP_61615B_238889	scaffold1176_2	NW_004516454.1	238889	CC	GG	GG	INTERGENIC		
SNP_61616B_271480	scaffold1176_2	NW_004516454.1	271480	CC	TT	TT	INTERGENIC		
SNP_61617B_271505	scaffold1176_2	NW_004516454.1	271505	AA	GG	GG	INTERGENIC		
SNP_61618B_290779	scaffold1176_2	NW_004516454.1	290779	TT	GG	GG	URR	101489936	ethylene-responsive transcription factor ERF003-like
SNP_61619B_290780	scaffold1176_2	NW_004516454.1	290780	AA	TT	TT	URR	101489936	ethylene-responsive transcription factor ERF003-like
SNP_61620B_320294	scaffold1176_2	NW_004516454.1	320294	AA	GG	GG	INTERGENIC		
SNP_61621B_1935	scaffold1178	NW_004516456.1	1935	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61622B_1946	scaffold1178	NW_004516456.1	1946	CC	TT	TT	INTERGENIC		
SNP_61623B_2249	scaffold1178	NW_004516456.1	2249	CC	TT	TT	INTERGENIC		
SNP_61624B_2301	scaffold1178	NW_004516456.1	2301	AA	GG	GG	INTERGENIC		
SNP_61625B_2851	scaffold1178	NW_004516456.1	2851	CC	GG	GG	INTERGENIC		
SNP_61626B_6725	scaffold1178	NW_004516456.1	6725	TT	AA	AA	INTERGENIC		
SNP_61627B_6765	scaffold1178	NW_004516456.1	6765	AA	GG	GG	INTERGENIC		
SNP_61628B_226	scaffold1180	NW_004516458.1	226	TT	AA	AA	INTERGENIC		
SNP_61629B_266	scaffold1180	NW_004516458.1	266	TT	CC	CC	INTERGENIC		
SNP_61630B_320	scaffold1180	NW_004516458.1	320	GG	AA	AA	INTERGENIC		
SNP_61631B_439	scaffold1180	NW_004516458.1	439	GG	AA	AA	INTERGENIC		
SNP_61632B_773	scaffold1180	NW_004516458.1	773	GG	TT	TT	INTERGENIC		
SNP_61633B_2577	scaffold1180	NW_004516458.1	2577	GG	AA	AA	INTERGENIC		
SNP_61635B_2632	scaffold1180	NW_004516458.1	2632	CC	TT	TT	INTERGENIC		
SNP_61636B_2647	scaffold1180	NW_004516458.1	2647	CC	TT	TT	INTERGENIC		
SNP_61637B_2673	scaffold1180	NW_004516458.1	2673	TT	CC	CC	INTERGENIC		
SNP_61638B_2744	scaffold1180	NW_004516458.1	2744	AA	GG	GG	INTERGENIC		
SNP_61639B_2749	scaffold1180	NW_004516458.1	2749	CC	GG	GG	INTERGENIC		
SNP_61640B_2775	scaffold1180	NW_004516458.1	2775	GG	CC	CC	INTERGENIC		
SNP_61641B_2786	scaffold1180	NW_004516458.1	2786	GG	AA	AA	INTERGENIC		
SNP_61642B_2787	scaffold1180	NW_004516458.1	2787	GG	CC	CC	INTERGENIC		
SNP_61643B_2833	scaffold1180	NW_004516458.1	2833	CC	GG	GG	INTERGENIC		
SNP_61644B_2855	scaffold1180	NW_004516458.1	2855	CC	AA	AA	INTERGENIC		
SNP_61645B_2856	scaffold1180	NW_004516458.1	2856	GG	AA	AA	INTERGENIC		
SNP_61647B_2927	scaffold1180	NW_004516458.1	2927	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61648B_2954	scaffold1180	NW_004516458.1	2954	TT	GG	GG	INTERGENIC		
SNP_61649B_2959	scaffold1180	NW_004516458.1	2959	CC	TT	TT	INTERGENIC		
SNP_61650B_2964	scaffold1180	NW_004516458.1	2964	AA	GG	GG	INTERGENIC		
SNP_61651B_2968	scaffold1180	NW_004516458.1	2968	CC	AA	AA	INTERGENIC		
SNP_61652B_3087	scaffold1180	NW_004516458.1	3087	GG	AA	AA	INTERGENIC		
SNP_61653B_3124	scaffold1180	NW_004516458.1	3124	TT	CC	CC	INTERGENIC		
SNP_61654B_3132	scaffold1180	NW_004516458.1	3132	CC	TT	TT	INTERGENIC		
SNP_61655B_3184	scaffold1180	NW_004516458.1	3184	AA	CC	CC	INTERGENIC		
SNP_61656B_3216	scaffold1180	NW_004516458.1	3216	CC	TT	TT	INTERGENIC		
SNP_61657B_3237	scaffold1180	NW_004516458.1	3237	GG	TT	TT	INTERGENIC		
SNP_61658B_3240	scaffold1180	NW_004516458.1	3240	GG	TT	TT	INTERGENIC		
SNP_61659B_3253	scaffold1180	NW_004516458.1	3253	CC	TT	TT	INTERGENIC		
SNP_61661B_3293	scaffold1180	NW_004516458.1	3293	AA	GG	GG	INTERGENIC		
SNP_61662B_3311	scaffold1180	NW_004516458.1	3311	CC	TT	TT	INTERGENIC		
SNP_61663B_3329	scaffold1180	NW_004516458.1	3329	TT	CC	CC	INTERGENIC		
SNP_61664B_3357	scaffold1180	NW_004516458.1	3357	CC	TT	TT	INTERGENIC		
SNP_61665B_3395	scaffold1180	NW_004516458.1	3395	AA	GG	GG	INTERGENIC		
SNP_61666B_3400	scaffold1180	NW_004516458.1	3400	CC	GG	GG	INTERGENIC		
SNP_61667B_3435	scaffold1180	NW_004516458.1	3435	GG	TT	TT	INTERGENIC		
SNP_61668B_3440	scaffold1180	NW_004516458.1	3440	CC	TT	TT	INTERGENIC		
SNP_61669B_3465	scaffold1180	NW_004516458.1	3465	GG	AA	AA	INTERGENIC		
SNP_61670B_3472	scaffold1180	NW_004516458.1	3472	GG	TT	TT	INTERGENIC		
SNP_61671B_3478	scaffold1180	NW_004516458.1	3478	CC	TT	TT	INTERGENIC		
SNP_61672B_3509	scaffold1180	NW_004516458.1	3509	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61673B_3512	scaffold1180	NW_004516458.1	3512	CC	TT	TT	INTERGENIC		
SNP_61674B_3576	scaffold1180	NW_004516458.1	3576	AA	GG	GG	INTERGENIC		
SNP_61675B_3580	scaffold1180	NW_004516458.1	3580	CC	TT	TT	INTERGENIC		
SNP_61676B_3665	scaffold1180	NW_004516458.1	3665	TT	CC	CC	INTERGENIC		
SNP_61678B_3756	scaffold1180	NW_004516458.1	3756	AA	TT	TT	INTERGENIC		
SNP_61679B_3820	scaffold1180	NW_004516458.1	3820	TT	CC	CC	INTERGENIC		
SNP_61680B_3845	scaffold1180	NW_004516458.1	3845	TT	CC	CC	INTERGENIC		
SNP_61681B_3873	scaffold1180	NW_004516458.1	3873	AA	GG	GG	INTERGENIC		
SNP_61682B_3981	scaffold1180	NW_004516458.1	3981	CC	TT	TT	INTERGENIC		
SNP_61683B_13225	scaffold1180	NW_004516458.1	13225	AA	GG	GG	INTERGENIC		
SNP_61686B_59731	scaffold1180	NW_004516458.1	59731	AA	GG	GG	INTRON	101493081	cucumisin-like
SNP_61687B_59740	scaffold1180	NW_004516458.1	59740	GG	AA	AA	INTRON	101493081	cucumisin-like
SNP_61688B_71361	scaffold1180	NW_004516458.1	71361	AA	GG	GG	INTRON	101493081	cucumisin-like
SNP_61689B_81346	scaffold1180	NW_004516458.1	81346	CC	TT	TT	INTERGENIC		
SNP_61690B_81614	scaffold1180	NW_004516458.1	81614	TT	CC	CC	INTERGENIC		
SNP_61691B_90872	scaffold1180	NW_004516458.1	90872	TT	CC	CC	INTERGENIC		
SNP_61692B_90927	scaffold1180	NW_004516458.1	90927	GG	AA	AA	INTERGENIC		
SNP_61694B_93114	scaffold1180	NW_004516458.1	93114	TT	CC	CC	INTERGENIC		
SNP_61695B_93135	scaffold1180	NW_004516458.1	93135	AA	GG	GG	INTERGENIC		
SNP_61696B_93144	scaffold1180	NW_004516458.1	93144	AA	GG	GG	INTERGENIC		
SNP_61697B_93171	scaffold1180	NW_004516458.1	93171	CC	TT	TT	INTERGENIC		
SNP_61698B_93173	scaffold1180	NW_004516458.1	93173	GG	AA	AA	INTERGENIC		
SNP_61699B_93180	scaffold1180	NW_004516458.1	93180	AA	CC	CC	INTERGENIC		
SNP_61700B_93182	scaffold1180	NW_004516458.1	93182	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61701B_93222	scaffold1180	NW_004516458.1	93222	AA	GG	GG	INTERGENIC		
SNP_61702B_93279	scaffold1180	NW_004516458.1	93279	GG	AA	AA	INTERGENIC		
SNP_61703B_93280	scaffold1180	NW_004516458.1	93280	AA	GG	GG	INTERGENIC		
SNP_61704B_93281	scaffold1180	NW_004516458.1	93281	CC	TT	TT	INTERGENIC		
SNP_61705B_110084	scaffold1180	NW_004516458.1	110084	AA	TT	TT	INTERGENIC		
SNP_61706B_134695	scaffold1180	NW_004516458.1	134695	GG	TT	TT	INTERGENIC		
SNP_61707B_134696	scaffold1180	NW_004516458.1	134696	GG	CC	CC	INTERGENIC		
SNP_61708B_134711	scaffold1180	NW_004516458.1	134711	GG	AA	AA	INTERGENIC		
SNP_61709B_134734	scaffold1180	NW_004516458.1	134734	GG	CC	CC	INTERGENIC		
SNP_61711B_136044	scaffold1180	NW_004516458.1	136044	CC	AA	AA	INTERGENIC		
SNP_61712B_136048	scaffold1180	NW_004516458.1	136048	AA	GG	GG	INTERGENIC		
SNP_61713B_136068	scaffold1180	NW_004516458.1	136068	AA	GG	GG	INTERGENIC		
SNP_61714B_136090	scaffold1180	NW_004516458.1	136090	TT	CC	CC	INTERGENIC		
SNP_61715B_157624	scaffold1180	NW_004516458.1	157624	GG	CC	CC	INTERGENIC		
SNP_61716B_157867	scaffold1180	NW_004516458.1	157867	GG	AA	AA	INTERGENIC		
SNP_61717B_157882	scaffold1180	NW_004516458.1	157882	CC	TT	TT	INTERGENIC		
SNP_61718B_163196	scaffold1180	NW_004516458.1	163196	CC	TT	TT	INTERGENIC		
SNP_61720B_207113	scaffold1180	NW_004516458.1	207113	CC	AA	AA	INTERGENIC		
SNP_61721B_207624	scaffold1180	NW_004516458.1	207624	GG	AA	AA	INTERGENIC		
SNP_61722B_208395	scaffold1180	NW_004516458.1	208395	GG	AA	AA	INTERGENIC		
SNP_61724B_208784	scaffold1180	NW_004516458.1	208784	GG	AA	AA	INTERGENIC		
SNP_61725B_209484	scaffold1180	NW_004516458.1	209484	AA	GG	GG	INTERGENIC		
SNP_61726B_209496	scaffold1180	NW_004516458.1	209496	TT	CC	CC	INTERGENIC		
SNP_61727B_209645	scaffold1180	NW_004516458.1	209645	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61728B_209690	scaffold1180	NW_004516458.1	209690	AA	GG	GG	INTERGENIC		
SNP_61729B_209943	scaffold1180	NW_004516458.1	209943	GG	TT	TT	INTERGENIC		
SNP_61730B_210828	scaffold1180	NW_004516458.1	210828	AA	TT	TT	INTERGENIC		
SNP_61731B_210906	scaffold1180	NW_004516458.1	210906	CC	GG	GG	INTERGENIC		
SNP_61732B_210987	scaffold1180	NW_004516458.1	210987	CC	TT	TT	INTERGENIC		
SNP_61733B_211381	scaffold1180	NW_004516458.1	211381	AA	GG	GG	INTERGENIC		
SNP_61734B_211397	scaffold1180	NW_004516458.1	211397	AA	CC	CC	INTERGENIC		
SNP_61735B_211426	scaffold1180	NW_004516458.1	211426	CC	GG	GG	INTERGENIC		
SNP_61736B_212352	scaffold1180	NW_004516458.1	212352	TT	CC	CC	INTERGENIC		
SNP_61737B_212514	scaffold1180	NW_004516458.1	212514	GG	AA	AA	INTERGENIC		
SNP_61738B_213911	scaffold1180	NW_004516458.1	213911	TT	CC	CC	INTERGENIC		
SNP_61739B_213925	scaffold1180	NW_004516458.1	213925	TT	CC	CC	INTERGENIC		
SNP_61740B_215388	scaffold1180	NW_004516458.1	215388	AA	CC	CC	INTERGENIC		
SNP_61741B_215754	scaffold1180	NW_004516458.1	215754	GG	AA	AA	INTERGENIC		
SNP_61742B_216211	scaffold1180	NW_004516458.1	216211	GG	AA	AA	INTERGENIC		
SNP_61743B_218585	scaffold1180	NW_004516458.1	218585	TT	CC	CC	INTERGENIC		
SNP_61744B_218745	scaffold1180	NW_004516458.1	218745	CC	TT	TT	INTERGENIC		
SNP_61745B_218887	scaffold1180	NW_004516458.1	218887	GG	CC	CC	INTERGENIC		
SNP_61746B_218892	scaffold1180	NW_004516458.1	218892	CC	TT	TT	INTERGENIC		
SNP_61747B_219037	scaffold1180	NW_004516458.1	219037	AA	CC	CC	INTERGENIC		
SNP_61748B_219039	scaffold1180	NW_004516458.1	219039	GG	TT	TT	INTERGENIC		
SNP_61750B_227312	scaffold1180	NW_004516458.1	227312	TT	AA	AA	INTERGENIC		
SNP_61751B_227811	scaffold1180	NW_004516458.1	227811	TT	GG	GG	INTERGENIC		
SNP_61752B_228110	scaffold1180	NW_004516458.1	228110	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61753B_240910	scaffold1180	NW_004516458.1	240910	AA	GG	GG	INTERGENIC		
SNP_61754B_240923	scaffold1180	NW_004516458.1	240923	AA	GG	GG	INTERGENIC		
SNP_61755B_241239	scaffold1180	NW_004516458.1	241239	TT	AA	AA	INTERGENIC		
SNP_61756B_241276	scaffold1180	NW_004516458.1	241276	CC	GG	GG	INTERGENIC		
SNP_61757B_241313	scaffold1180	NW_004516458.1	241313	AA	GG	GG	INTERGENIC		
SNP_61758B_241445	scaffold1180	NW_004516458.1	241445	AA	GG	GG	INTERGENIC		
SNP_61759B_252372	scaffold1180	NW_004516458.1	252372	AA	GG	GG	INTERGENIC		
SNP_61760B_255662	scaffold1180	NW_004516458.1	255662	TT	CC	CC	INTERGENIC		
SNP_61761B_255713	scaffold1180	NW_004516458.1	255713	AA	GG	GG	INTERGENIC		
SNP_61762B_255724	scaffold1180	NW_004516458.1	255724	CC	GG	GG	INTERGENIC		
SNP_61763B_255738	scaffold1180	NW_004516458.1	255738	AA	CC	CC	INTERGENIC		
SNP_61764B_255801	scaffold1180	NW_004516458.1	255801	AA	TT	TT	INTERGENIC		
SNP_61765B_258522	scaffold1180	NW_004516458.1	258522	CC	TT	TT	INTERGENIC		
SNP_61766B_1547	scaffold1181	NW_004516459.1	1547	AA	TT	TT	INTERGENIC		
SNP_61767B_1559	scaffold1181	NW_004516459.1	1559	CC	GG	GG	INTERGENIC		
SNP_61768B_1585	scaffold1181	NW_004516459.1	1585	TT	AA	AA	INTERGENIC		
SNP_61769B_1665	scaffold1181	NW_004516459.1	1665	TT	AA	AA	INTERGENIC		
SNP_61770B_5391	scaffold1181	NW_004516459.1	5391	AA	TT	TT	INTERGENIC		
SNP_61771B_5445	scaffold1181	NW_004516459.1	5445	CC	AA	AA	INTERGENIC		
SNP_61772B_5737	scaffold1181	NW_004516459.1	5737	CC	AA	AA	INTERGENIC		
SNP_61773B_5889	scaffold1181	NW_004516459.1	5889	AA	GG	GG	INTERGENIC		
SNP_61775B_6118	scaffold1181	NW_004516459.1	6118	CC	AA	AA	INTERGENIC		
SNP_61776B_6141	scaffold1181	NW_004516459.1	6141	TT	AA	AA	INTERGENIC		
SNP_61777B_6775	scaffold1181	NW_004516459.1	6775	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61778B_6863	scaffold1181	NW_004516459.1	6863	CC	AA	AA	INTERGENIC		
SNP_61779B_6947	scaffold1181	NW_004516459.1	6947	GG	AA	AA	INTERGENIC		
SNP_61780B_6949	scaffold1181	NW_004516459.1	6949	CC	AA	AA	INTERGENIC		
SNP_61781B_7064	scaffold1181	NW_004516459.1	7064	GG	CC	CC	INTERGENIC		
SNP_61782B_7086	scaffold1181	NW_004516459.1	7086	GG	CC	CC	INTERGENIC		
SNP_61783B_7093	scaffold1181	NW_004516459.1	7093	CC	AA	AA	INTERGENIC		
SNP_61784B_7184	scaffold1181	NW_004516459.1	7184	AA	CC	CC	INTERGENIC		
SNP_61785B_7214	scaffold1181	NW_004516459.1	7214	TT	CC	CC	INTERGENIC		
SNP_61786B_7357	scaffold1181	NW_004516459.1	7357	TT	CC	CC	INTERGENIC		
SNP_61787B_7752	scaffold1181	NW_004516459.1	7752	CC	TT	TT	INTERGENIC		
SNP_61788B_10993	scaffold1181	NW_004516459.1	10993	TT	CC	CC	INTERGENIC		
SNP_61789B_11066	scaffold1181	NW_004516459.1	11066	TT	CC	CC	INTERGENIC		
SNP_61790B_11278	scaffold1181	NW_004516459.1	11278	AA	TT	TT	INTERGENIC		
SNP_61791B_11285	scaffold1181	NW_004516459.1	11285	AA	TT	TT	INTERGENIC		
SNP_61792B_11300	scaffold1181	NW_004516459.1	11300	TT	CC	CC	INTERGENIC		
SNP_61793B_11499	scaffold1181	NW_004516459.1	11499	AA	GG	GG	INTERGENIC		
SNP_61794B_11534	scaffold1181	NW_004516459.1	11534	AA	GG	GG	INTERGENIC		
SNP_61795B_11546	scaffold1181	NW_004516459.1	11546	GG	CC	CC	INTERGENIC		
SNP_61797B_181	scaffold1183	NW_004516461.1	181	TT	CC	CC	INTERGENIC		
SNP_61798B_2590	scaffold1183	NW_004516461.1	2590	AA	CC	CC	INTERGENIC		
SNP_61799B_24880	scaffold1183	NW_004516461.1	24880	GG	AA	AA	INTERGENIC		
SNP_61800B_29415	scaffold1183	NW_004516461.1	29415	TT	CC	CC	INTERGENIC		
SNP_61801B_60455	scaffold1183	NW_004516461.1	60455	AA	GG	GG	INTERGENIC		
SNP_61802B_60478	scaffold1183	NW_004516461.1	60478	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61803B_75951	scaffold1183	NW_004516461.1	75951	GG	TT	TT	INTERGENIC		
SNP_61804B_76003	scaffold1183	NW_004516461.1	76003	AA	TT	TT	INTERGENIC		
SNP_61805B_76114	scaffold1183	NW_004516461.1	76114	TT	CC	CC	INTERGENIC		
SNP_61806B_96949	scaffold1183	NW_004516461.1	96949	GG	CC	CC	INTERGENIC		
SNP_61807B_107680	scaffold1183	NW_004516461.1	107680	CC	TT	TT	INTERGENIC		
SNP_61808B_129097	scaffold1183	NW_004516461.1	129097	AA	CC	CC	INTERGENIC		
SNP_61809B_147623	scaffold1183	NW_004516461.1	147623	AA	CC	CC	INTERGENIC		
SNP_61810B_147627	scaffold1183	NW_004516461.1	147627	CC	AA	AA	INTERGENIC		
SNP_61811B_147669	scaffold1183	NW_004516461.1	147669	AA	GG	GG	INTERGENIC		
SNP_61812B_147831	scaffold1183	NW_004516461.1	147831	CC	GG	GG	INTERGENIC		
SNP_61813B_148919	scaffold1183	NW_004516461.1	148919	AA	GG	GG	INTERGENIC		
SNP_61814B_201933	scaffold1183	NW_004516461.1	201933	TT	CC	CC	INTERGENIC		
SNP_61815B_232085	scaffold1183	NW_004516461.1	232085	CC	TT	TT	INTERGENIC		
SNP_61816B_232092	scaffold1183	NW_004516461.1	232092	TT	CC	CC	INTERGENIC		
SNP_61817B_234544	scaffold1183	NW_004516461.1	234544	CC	TT	TT	INTERGENIC		
SNP_61818B_2437	scaffold1185	NW_004516462.1	2437	TT	CC	CC	INTERGENIC		
SNP_61819B_2946	scaffold1185	NW_004516462.1	2946	CC	AA	AA	INTERGENIC		
SNP_61820B_3698	scaffold1185	NW_004516462.1	3698	CC	TT	TT	INTERGENIC		
SNP_61821B_3811	scaffold1185	NW_004516462.1	3811	AA	TT	TT	INTERGENIC		
SNP_61822B_3828	scaffold1185	NW_004516462.1	3828	TT	AA	AA	INTERGENIC		
SNP_61823B_4030	scaffold1185	NW_004516462.1	4030	GG	AA	AA	INTERGENIC		
SNP_61824B_4308	scaffold1185	NW_004516462.1	4308	TT	AA	AA	INTERGENIC		
SNP_61825B_4628	scaffold1185	NW_004516462.1	4628	AA	GG	GG	INTERGENIC		
SNP_61826B_5496	scaffold1185	NW_004516462.1	5496	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61827B_5580	scaffold1185	NW_004516462.1	5580	TT	CC	CC	INTERGENIC		
SNP_61828B_6187	scaffold1185	NW_004516462.1	6187	GG	TT	TT	INTERGENIC		
SNP_61830B_6648	scaffold1185	NW_004516462.1	6648	AA	GG	GG	INTERGENIC		
SNP_61831B_6650	scaffold1185	NW_004516462.1	6650	AA	TT	TT	INTERGENIC		
SNP_61832B_7745	scaffold1185	NW_004516462.1	7745	TT	CC	CC	INTERGENIC		
SNP_61833B_9100	scaffold1185	NW_004516462.1	9100	GG	AA	AA	INTERGENIC		
SNP_61834B_9129	scaffold1185	NW_004516462.1	9129	AA	GG	GG	INTERGENIC		
SNP_61835B_9192	scaffold1185	NW_004516462.1	9192	GG	AA	AA	INTERGENIC		
SNP_61836B_10573	scaffold1185	NW_004516462.1	10573	CC	TT	TT	INTERGENIC		
SNP_61837B_10859	scaffold1185	NW_004516462.1	10859	GG	AA	AA	INTERGENIC		
SNP_61838B_12319	scaffold1185	NW_004516462.1	12319	TT	AA	AA	INTERGENIC		
SNP_61839B_12650	scaffold1185	NW_004516462.1	12650	CC	AA	AA	INTERGENIC		
SNP_61840B_12911	scaffold1185	NW_004516462.1	12911	GG	AA	AA	INTERGENIC		
SNP_61841B_13994	scaffold1185	NW_004516462.1	13994	GG	TT	TT	INTERGENIC		
SNP_61842B_14106	scaffold1185	NW_004516462.1	14106	AA	GG	GG	INTERGENIC		
SNP_61843B_14127	scaffold1185	NW_004516462.1	14127	GG	AA	AA	INTERGENIC		
SNP_61844B_14153	scaffold1185	NW_004516462.1	14153	TT	CC	CC	INTERGENIC		
SNP_61845B_14447	scaffold1185	NW_004516462.1	14447	GG	TT	TT	INTERGENIC		
SNP_61846B_15776	scaffold1185	NW_004516462.1	15776	CC	TT	TT	INTERGENIC		
SNP_61847B_19984	scaffold1185	NW_004516462.1	19984	GG	CC	CC	INTERGENIC		
SNP_61848B_20271	scaffold1185	NW_004516462.1	20271	AA	CC	CC	INTERGENIC		
SNP_61849B_20443	scaffold1185	NW_004516462.1	20443	GG	AA	AA	INTERGENIC		
SNP_61850B_21339	scaffold1185	NW_004516462.1	21339	CC	TT	TT	INTERGENIC		
SNP_61851B_21525	scaffold1185	NW_004516462.1	21525	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61852B_21798	scaffold1185	NW_004516462.1	21798	TT	AA	AA	INTERGENIC		
SNP_61853B_22115	scaffold1185	NW_004516462.1	22115	CC	AA	AA	INTERGENIC		
SNP_61854B_22154	scaffold1185	NW_004516462.1	22154	AA	GG	GG	INTERGENIC		
SNP_61855B_22287	scaffold1185	NW_004516462.1	22287	TT	AA	AA	INTERGENIC		
SNP_61856B_22295	scaffold1185	NW_004516462.1	22295	AA	CC	CC	INTERGENIC		
SNP_61857B_24596	scaffold1185	NW_004516462.1	24596	AA	CC	CC	INTERGENIC		
SNP_61858B_25273	scaffold1185	NW_004516462.1	25273	AA	GG	GG	INTERGENIC		
SNP_61859B_25776	scaffold1185	NW_004516462.1	25776	GG	AA	AA	INTERGENIC		
SNP_61860B_26456	scaffold1185	NW_004516462.1	26456	CC	AA	AA	INTERGENIC		
SNP_61861B_27891	scaffold1185	NW_004516462.1	27891	GG	AA	AA	INTERGENIC		
SNP_61862B_28071	scaffold1185	NW_004516462.1	28071	TT	AA	AA	INTERGENIC		
SNP_61863B_30154	scaffold1185	NW_004516462.1	30154	GG	CC	CC	INTERGENIC		
SNP_61864B_30199	scaffold1185	NW_004516462.1	30199	CC	TT	TT	INTERGENIC		
SNP_61865B_30502	scaffold1185	NW_004516462.1	30502	GG	AA	AA	INTERGENIC		
SNP_61866B_30507	scaffold1185	NW_004516462.1	30507	GG	TT	TT	INTERGENIC		
SNP_61867B_30539	scaffold1185	NW_004516462.1	30539	CC	TT	TT	INTERGENIC		
SNP_61868B_38662	scaffold1185	NW_004516462.1	38662	TT	CC	CC	INTERGENIC		
SNP_61869B_38749	scaffold1185	NW_004516462.1	38749	TT	AA	AA	INTERGENIC		
SNP_61870B_46909	scaffold1185	NW_004516462.1	46909	AA	GG	GG	INTERGENIC		
SNP_61871B_67222	scaffold1185	NW_004516462.1	67222	AA	TT	TT	INTERGENIC		
SNP_61872B_67255	scaffold1185	NW_004516462.1	67255	CC	TT	TT	INTERGENIC		
SNP_61875B_67645	scaffold1185	NW_004516462.1	67645	AA	CC	CC	INTERGENIC		
SNP_61876B_67697	scaffold1185	NW_004516462.1	67697	TT	CC	CC	INTERGENIC		
SNP_61877B_92656	scaffold1185	NW_004516462.1	92656	AA	TT	TT	URR	101495318	uncharacterized LOC101495318

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61878B_92667	scaffold1185	NW_004516462.1	92667	GG	CC	CC	URR	101495318	uncharacterized LOC101495318
SNP_61879B_92671	scaffold1185	NW_004516462.1	92671	GG	CC	CC	URR	101495318	uncharacterized LOC101495318
SNP_61880B_93537	scaffold1185	NW_004516462.1	93537	GG	AA	AA	URR	101495318	uncharacterized LOC101495318
SNP_61881B_93561	scaffold1185	NW_004516462.1	93561	AA	GG	GG	URR	101495318	uncharacterized LOC101495318
SNP_61882B_93617	scaffold1185	NW_004516462.1	93617	AA	GG	GG	URR	101495318	uncharacterized LOC101495318
SNP_61883B_93642	scaffold1185	NW_004516462.1	93642	AA	TT	TT	URR	101495318	uncharacterized LOC101495318
SNP_61884B_93810	scaffold1185	NW_004516462.1	93810	AA	GG	GG	URR	101495318	uncharacterized LOC101495318
SNP_61885B_93820	scaffold1185	NW_004516462.1	93820	AA	TT	GG	URR	101495318	uncharacterized LOC101495318
SNP_61886B_115425	scaffold1185	NW_004516462.1	115425	TT	CC	CC	INTERGENIC		
SNP_61887B_115429	scaffold1185	NW_004516462.1	115429	AA	CC	CC	INTERGENIC		
SNP_61888B_115468	scaffold1185	NW_004516462.1	115468	CC	GG	GG	INTERGENIC		
SNP_61889B_115480	scaffold1185	NW_004516462.1	115480	CC	GG	GG	INTERGENIC		
SNP_61891B_115720	scaffold1185	NW_004516462.1	115720	TT	CC	CC	INTERGENIC		
SNP_61892B_134345	scaffold1185	NW_004516462.1	134345	TT	CC	CC	INTERGENIC		
SNP_61893B_517	scaffold1191	NW_004516465.1	517	CC	AA	AA	INTERGENIC		
SNP_61894B_588	scaffold1191	NW_004516465.1	588	TT	GG	GG	INTERGENIC		
SNP_61895B_824	scaffold1191	NW_004516465.1	824	TT	CC	CC	INTERGENIC		
SNP_61897B_400	scaffold1192	NW_004516466.1	400	TT	AA	AA	INTERGENIC		
SNP_61898B_470	scaffold1192	NW_004516466.1	470	GG	CC	CC	INTERGENIC		
SNP_61899B_491	scaffold1192	NW_004516466.1	491	CC	TT	TT	INTERGENIC		
SNP_61900B_517	scaffold1192	NW_004516466.1	517	CC	AA	AA	INTERGENIC		
SNP_61901B_549	scaffold1192	NW_004516466.1	549	GG	TT	TT	INTERGENIC		
SNP_61902B_660	scaffold1192	NW_004516466.1	660	AA	GG	GG	INTERGENIC		
SNP_61904B_7605	scaffold1193	NW_004516467.1	7605	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61905B_9039	scaffold1193	NW_004516467.1	9039	CC	TT	TT	INTERGENIC		
SNP_61907B_9068	scaffold1193	NW_004516467.1	9068	AA	TT	TT	INTERGENIC		
SNP_61908B_62892	scaffold1193	NW_004516467.1	62892	CC	TT	TT	INTERGENIC		
SNP_61909B_62991	scaffold1193	NW_004516467.1	62991	AA	GG	GG	INTERGENIC		
SNP_61910B_63068	scaffold1193	NW_004516467.1	63068	TT	CC	CC	INTERGENIC		
SNP_61911B_63101	scaffold1193	NW_004516467.1	63101	AA	TT	TT	INTERGENIC		
SNP_61912B_63210	scaffold1193	NW_004516467.1	63210	TT	GG	GG	INTERGENIC		
SNP_61913B_63255	scaffold1193	NW_004516467.1	63255	TT	CC	CC	INTERGENIC		
SNP_61915B_137529	scaffold1193	NW_004516467.1	137529	AA	CC	CC	INTERGENIC		
SNP_61916B_192614	scaffold1193	NW_004516467.1	192614	GG	AA	AA	INTERGENIC		
SNP_61917B_194055	scaffold1193	NW_004516467.1	194055	AA	GG	GG	INTERGENIC		
SNP_61918B_194058	scaffold1193	NW_004516467.1	194058	AA	TT	TT	INTERGENIC		
SNP_61919B_194079	scaffold1193	NW_004516467.1	194079	CC	AA	AA	INTERGENIC		
SNP_61921B_222158	scaffold1193	NW_004516467.1	222158	AA	GG	GG	INTERGENIC		
SNP_61922B_222453	scaffold1193	NW_004516467.1	222453	AA	GG	GG	INTERGENIC		
SNP_61923B_227269	scaffold1193	NW_004516467.1	227269	TT	CC	CC	INTERGENIC		
SNP_61925B_241650	scaffold1193	NW_004516467.1	241650	GG	AA	AA	INTERGENIC		
SNP_61926B_241720	scaffold1193	NW_004516467.1	241720	TT	CC	CC	INTERGENIC		
SNP_61927B_241763	scaffold1193	NW_004516467.1	241763	TT	CC	CC	INTERGENIC		
SNP_61928B_241772	scaffold1193	NW_004516467.1	241772	TT	CC	CC	INTERGENIC		
SNP_61929B_241933	scaffold1193	NW_004516467.1	241933	CC	TT	TT	INTERGENIC		
SNP_61930B_241942	scaffold1193	NW_004516467.1	241942	CC	TT	TT	INTERGENIC		
SNP_61931B_241969	scaffold1193	NW_004516467.1	241969	AA	GG	GG	INTERGENIC		
SNP_61932B_241988	scaffold1193	NW_004516467.1	241988	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61933B_248235	scaffold1193	NW_004516467.1	248235	TT	GG	GG	INTERGENIC		
SNP_61934B_272831	scaffold1193	NW_004516467.1	272831	CC	TT	TT	INTERGENIC		
SNP_61935B_272837	scaffold1193	NW_004516467.1	272837	CC	GG	GG	INTERGENIC		
SNP_61936B_272843	scaffold1193	NW_004516467.1	272843	CC	TT	TT	INTERGENIC		
SNP_61937B_272852	scaffold1193	NW_004516467.1	272852	GG	AA	AA	INTERGENIC		
SNP_61938B_272858	scaffold1193	NW_004516467.1	272858	TT	CC	CC	INTERGENIC		
SNP_61939B_272900	scaffold1193	NW_004516467.1	272900	CC	TT	TT	INTERGENIC		
SNP_61940B_272906	scaffold1193	NW_004516467.1	272906	GG	AA	AA	INTERGENIC		
SNP_61941B_395	scaffold1195	NW_004516469.1	395	GG	AA	AA	INTERGENIC		
SNP_61942B_404	scaffold1195	NW_004516469.1	404	AA	GG	GG	INTERGENIC		
SNP_61943B_34974	scaffold1195	NW_004516469.1	34974	AA	CC	CC	INTERGENIC		
SNP_61944B_35025	scaffold1195	NW_004516469.1	35025	AA	GG	GG	INTERGENIC		
SNP_61945B_35084	scaffold1195	NW_004516469.1	35084	TT	CC	CC	INTERGENIC		
SNP_61946B_35129	scaffold1195	NW_004516469.1	35129	AA	CC	CC	INTERGENIC		
SNP_61947B_35142	scaffold1195	NW_004516469.1	35142	TT	CC	CC	INTERGENIC		
SNP_61948B_35180	scaffold1195	NW_004516469.1	35180	AA	GG	GG	INTERGENIC		
SNP_61949B_35227	scaffold1195	NW_004516469.1	35227	AA	GG	GG	INTERGENIC		
SNP_61950B_35494	scaffold1195	NW_004516469.1	35494	GG	AA	AA	INTERGENIC		
SNP_61951B_35495	scaffold1195	NW_004516469.1	35495	TT	CC	CC	INTERGENIC		
SNP_61952B_64007	scaffold1195	NW_004516469.1	64007	AA	GG	GG	INTERGENIC		
SNP_61954B_64514	scaffold1195	NW_004516469.1	64514	TT	CC	CC	INTERGENIC		
SNP_61955B_111926	scaffold1195	NW_004516469.1	111926	TT	CC	CC	INTERGENIC		
SNP_61956B_111932	scaffold1195	NW_004516469.1	111932	AA	TT	TT	INTERGENIC		
SNP_61957B_2583	scaffold1196	NW_004516470.1	2583	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61958B_20074	scaffold1196	NW_004516470.1	20074	CC	TT	TT	INTERGENIC		
SNP_61959B_37590	scaffold1196	NW_004516470.1	37590	TT	CC	CC	INTERGENIC		
SNP_61960B_38669	scaffold1196	NW_004516470.1	38669	CC	AA	AA	INTERGENIC		
SNP_61961B_38688	scaffold1196	NW_004516470.1	38688	AA	TT	TT	INTERGENIC		
SNP_61962B_39812	scaffold1196	NW_004516470.1	39812	AA	GG	GG	INTERGENIC		
SNP_61964B_78659	scaffold1196	NW_004516470.1	78659	AA	GG	GG	INTERGENIC		
SNP_61965B_78811	scaffold1196	NW_004516470.1	78811	GG	TT	TT	INTERGENIC		
SNP_61967B_106805	scaffold1196	NW_004516470.1	106805	TT	GG	GG	INTERGENIC		
SNP_61968B_110975	scaffold1196	NW_004516470.1	110975	CC	GG	GG	INTERGENIC		
SNP_61969B_111033	scaffold1196	NW_004516470.1	111033	GG	TT	TT	INTERGENIC		
SNP_61970B_111597	scaffold1196	NW_004516470.1	111597	AA	TT	TT	INTERGENIC		
SNP_61972B_118320	scaffold1196	NW_004516470.1	118320	GG	AA	AA	INTERGENIC		
SNP_61973B_119694	scaffold1196	NW_004516470.1	119694	AA	GG	GG	INTERGENIC		
SNP_61974B_120036	scaffold1196	NW_004516470.1	120036	AA	GG	GG	INTERGENIC		
SNP_61975B_134694	scaffold1196	NW_004516470.1	134694	AA	TT	TT	INTERGENIC		
SNP_61976B_144738	scaffold1196	NW_004516470.1	144738	CC	TT	TT	INTERGENIC		
SNP_61977B_144755	scaffold1196	NW_004516470.1	144755	TT	AA	AA	INTERGENIC		
SNP_61978B_173002	scaffold1196	NW_004516470.1	173002	TT	CC	CC	INTERGENIC		
SNP_61979B_192878	scaffold1196	NW_004516470.1	192878	TT	CC	CC	INTERGENIC		
SNP_61980B_193226	scaffold1196	NW_004516470.1	193226	TT	CC	CC	INTERGENIC		
SNP_61981B_193304	scaffold1196	NW_004516470.1	193304	AA	GG	GG	INTERGENIC		
SNP_61982B_194712	scaffold1196	NW_004516470.1	194712	CC	TT	TT	INTERGENIC		
SNP_61983B_205914	scaffold1196	NW_004516470.1	205914	CC	AA	AA	INTERGENIC		
SNP_61984B_205962	scaffold1196	NW_004516470.1	205962	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_61985B_206115	scaffold1196	NW_004516470.1	206115	TT	AA	AA	INTERGENIC		
SNP_61987B_206789	scaffold1196	NW_004516470.1	206789	GG	TT	TT	INTERGENIC		
SNP_61988B_207287	scaffold1196	NW_004516470.1	207287	AA	GG	GG	INTERGENIC		
SNP_61989B_1396	scaffold1197	NW_004516471.1	1396	AA	TT	TT	INTERGENIC		
SNP_61990B_4963	scaffold1197	NW_004516471.1	4963	CC	AA	AA	INTERGENIC		
SNP_61991B_4984	scaffold1197	NW_004516471.1	4984	CC	TT	TT	INTERGENIC		
SNP_61992B_5059	scaffold1197	NW_004516471.1	5059	TT	CC	CC	INTERGENIC		
SNP_61994B_5190	scaffold1197	NW_004516471.1	5190	TT	CC	CC	INTERGENIC		
SNP_61995B_5244	scaffold1197	NW_004516471.1	5244	AA	CC	CC	INTERGENIC		
SNP_61996B_5271	scaffold1197	NW_004516471.1	5271	TT	AA	AA	INTERGENIC		
SNP_61997B_5272	scaffold1197	NW_004516471.1	5272	CC	AA	AA	INTERGENIC		
SNP_61998B_5326	scaffold1197	NW_004516471.1	5326	GG	AA	AA	INTERGENIC		
SNP_61999B_5332	scaffold1197	NW_004516471.1	5332	AA	GG	GG	INTERGENIC		
SNP_62000B_5352	scaffold1197	NW_004516471.1	5352	AA	GG	GG	INTERGENIC		
SNP_62001B_5407	scaffold1197	NW_004516471.1	5407	AA	GG	GG	INTERGENIC		
SNP_62002B_5411	scaffold1197	NW_004516471.1	5411	GG	AA	AA	INTERGENIC		
SNP_62003B_5508	scaffold1197	NW_004516471.1	5508	GG	AA	AA	INTERGENIC		
SNP_62004B_5595	scaffold1197	NW_004516471.1	5595	GG	AA	AA	INTERGENIC		
SNP_62005B_5615	scaffold1197	NW_004516471.1	5615	AA	GG	GG	INTERGENIC		
SNP_62006B_5655	scaffold1197	NW_004516471.1	5655	GG	TT	TT	INTERGENIC		
SNP_62007B_5681	scaffold1197	NW_004516471.1	5681	TT	GG	GG	INTERGENIC		
SNP_62008B_5744	scaffold1197	NW_004516471.1	5744	AA	TT	TT	INTERGENIC		
SNP_62009B_5879	scaffold1197	NW_004516471.1	5879	TT	AA	AA	INTERGENIC		
SNP_62010B_5880	scaffold1197	NW_004516471.1	5880	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62011B_5894	scaffold1197	NW_004516471.1	5894	CC	AA	AA	INTERGENIC		
SNP_62012B_6140	scaffold1197	NW_004516471.1	6140	TT	CC	CC	INTERGENIC		
SNP_62013B_6232	scaffold1197	NW_004516471.1	6232	CC	TT	TT	INTERGENIC		
SNP_62014B_6243	scaffold1197	NW_004516471.1	6243	TT	CC	CC	INTERGENIC		
SNP_62015B_9975	scaffold1197	NW_004516471.1	9975	TT	CC	CC	INTERGENIC		
SNP_62017B_10299	scaffold1197	NW_004516471.1	10299	GG	AA	AA	INTERGENIC		
SNP_62018B_23242	scaffold1197	NW_004516471.1	23242	TT	AA	AA	INTERGENIC		
SNP_62019B_48285	scaffold1197	NW_004516471.1	48285	AA	GG	GG	DRR	101502116	Unknown function
SNP_62020B_58202	scaffold1197	NW_004516471.1	58202	GG	AA	AA	INTERGENIC		
SNP_62021B_58522	scaffold1197	NW_004516471.1	58522	CC	TT	TT	INTERGENIC		
SNP_62022B_58544	scaffold1197	NW_004516471.1	58544	AA	TT	TT	INTERGENIC		
SNP_62023B_58555	scaffold1197	NW_004516471.1	58555	CC	TT	TT	INTERGENIC		
SNP_62024B_58587	scaffold1197	NW_004516471.1	58587	TT	AA	AA	INTERGENIC		
SNP_62025B_58612	scaffold1197	NW_004516471.1	58612	GG	AA	AA	INTERGENIC		
SNP_62026B_58619	scaffold1197	NW_004516471.1	58619	GG	AA	AA	INTERGENIC		
SNP_62027B_58641	scaffold1197	NW_004516471.1	58641	CC	AA	AA	INTERGENIC		
SNP_62028B_87414	scaffold1197	NW_004516471.1	87414	TT	CC	CC	INTERGENIC		
SNP_62029B_87425	scaffold1197	NW_004516471.1	87425	TT	AA	AA	INTERGENIC		
SNP_62030B_142099	scaffold1197	NW_004516471.1	142099	TT	CC	CC	INTERGENIC		
SNP_62031B_142109	scaffold1197	NW_004516471.1	142109	TT	AA	AA	INTERGENIC		
SNP_62032B_142202	scaffold1197	NW_004516471.1	142202	CC	AA	AA	INTERGENIC		
SNP_62033B_142218	scaffold1197	NW_004516471.1	142218	TT	AA	AA	INTERGENIC		
SNP_62034B_151652	scaffold1197	NW_004516471.1	151652	GG	AA	AA	INTERGENIC		
SNP_62035B_156030	scaffold1197	NW_004516471.1	156030	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62036B_173164	scaffold1197	NW_004516471.1	173164	AA	CC	CC	INTRON	101499568	TMV resistance protein N-like
SNP_62037B_186736	scaffold1197	NW_004516471.1	186736	TT	CC	CC	INTERGENIC		
SNP_62039B_231245	scaffold1197	NW_004516471.1	231245	GG	CC	CC	INTERGENIC		
SNP_62040B_231267	scaffold1197	NW_004516471.1	231267	AA	GG	GG	INTERGENIC		
SNP_62041B_231511	scaffold1197	NW_004516471.1	231511	TT	GG	GG	INTERGENIC		
SNP_62043B_248598	scaffold1197	NW_004516471.1	248598	TT	CC	CC	INTERGENIC		
SNP_62044B_268632	scaffold1197	NW_004516471.1	268632	AA	CC	CC	INTERGENIC		
SNP_62045B_359641	scaffold1197	NW_004516471.1	359641	AA	TT	TT	INTERGENIC		
SNP_62046B_369634	scaffold1197	NW_004516471.1	369634	TT	GG	GG	INTERGENIC		
SNP_62047B_370015	scaffold1197	NW_004516471.1	370015	GG	AA	AA	INTERGENIC		
SNP_62048B_380421	scaffold1197	NW_004516471.1	380421	TT	GG	GG	INTERGENIC		
SNP_62049B_380701	scaffold1197	NW_004516471.1	380701	CC	TT	TT	INTERGENIC		
SNP_62050B_380702	scaffold1197	NW_004516471.1	380702	CC	TT	TT	INTERGENIC		
SNP_62051B_385027	scaffold1197	NW_004516471.1	385027	TT	CC	CC	INTERGENIC		
SNP_62052B_433819	scaffold1197	NW_004516471.1	433819	AA	CC	CC	INTERGENIC		
SNP_62053B_447909	scaffold1197	NW_004516471.1	447909	GG	CC	CC	INTERGENIC		
SNP_62054B_447940	scaffold1197	NW_004516471.1	447940	GG	TT	TT	INTERGENIC		
SNP_62055B_447991	scaffold1197	NW_004516471.1	447991	AA	GG	GG	INTERGENIC		
SNP_62056B_510635	scaffold1197	NW_004516471.1	510635	TT	CC	CC	INTRON	101505324	uncharacterized LOC101505324
SNP_62057B_510674	scaffold1197	NW_004516471.1	510674	TT	CC	CC	INTRON	101505324	uncharacterized LOC101505324
SNP_62058B_510709	scaffold1197	NW_004516471.1	510709	CC	TT	TT	INTRON	101505324	uncharacterized LOC101505324
SNP_62059B_510760	scaffold1197	NW_004516471.1	510760	TT	CC	CC	INTRON	101505324	uncharacterized LOC101505324
SNP_62060B_511060	scaffold1197	NW_004516471.1	511060	AA	TT	TT	INTRON	101505324	uncharacterized LOC101505324
SNP_62061B_511145	scaffold1197	NW_004516471.1	511145	TT	AA	AA	INTRON	101505324	uncharacterized LOC101505324

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62062B_511169	scaffold1197	NW_004516471.1	511169	GG	AA	AA	INTRON	101505324	uncharacterized LOC101505324
SNP_62063B_511189	scaffold1197	NW_004516471.1	511189	GG	TT	TT	INTRON	101505324	uncharacterized LOC101505324
SNP_62064B_511190	scaffold1197	NW_004516471.1	511190	AA	GG	GG	INTRON	101505324	uncharacterized LOC101505324
SNP_62065B_520563	scaffold1197	NW_004516471.1	520563	CC	TT	TT	URR	101505657	serine/threonine-protein phosphatase 7 long form homolog
SNP_62066B_520622	scaffold1197	NW_004516471.1	520622	GG	TT	TT	URR	101505657	serine/threonine-protein phosphatase 7 long form homolog
SNP_62067B_550231	scaffold1197	NW_004516471.1	550231	TT	AA	AA	INTERGENIC		
SNP_62068B_616	scaffold1198	NW_004516472.1	616	CC	AA	AA	INTERGENIC		
SNP_62072B_176908	scaffold1202	NW_004516473.1	176908	AA	TT	TT	DRR	101511537	uncharacterized LOC101511537
SNP_62073B_177025	scaffold1202	NW_004516473.1	177025	TT	CC	CC	INTERGENIC		
SNP_62074B_178470	scaffold1202	NW_004516473.1	178470	TT	CC	CC	DRR	101510580	Unknown function
SNP_62075B_178507	scaffold1202	NW_004516473.1	178507	TT	GG	GG	DRR	101510580	Unknown function
SNP_62076B_178509	scaffold1202	NW_004516473.1	178509	GG	AA	AA	DRR	101510580	Unknown function
SNP_62077B_178560	scaffold1202	NW_004516473.1	178560	TT	CC	CC	DRR	101510580	Unknown function
SNP_62078B_178562	scaffold1202	NW_004516473.1	178562	TT	GG	GG	DRR	101510580	Unknown function
SNP_62079B_178616	scaffold1202	NW_004516473.1	178616	AA	GG	GG	DRR	101510580	Unknown function
SNP_62080B_178639	scaffold1202	NW_004516473.1	178639	GG	TT	TT	DRR	101510580	Unknown function
SNP_62081B_178644	scaffold1202	NW_004516473.1	178644	AA	GG	GG	DRR	101510580	Unknown function
SNP_62082B_178715	scaffold1202	NW_004516473.1	178715	TT	CC	CC	DRR	101510580	Unknown function
SNP_62083B_178720	scaffold1202	NW_004516473.1	178720	TT	CC	CC	DRR	101510580	Unknown function
SNP_62084B_178721	scaffold1202	NW_004516473.1	178721	TT	GG	GG	DRR	101510580	Unknown function
SNP_62085B_178739	scaffold1202	NW_004516473.1	178739	AA	CC	CC	DRR	101510580	Unknown function
SNP_62086B_178774	scaffold1202	NW_004516473.1	178774	TT	GG	GG	URR	101511537	uncharacterized LOC101511537
SNP_62087B_178845	scaffold1202	NW_004516473.1	178845	TT	AA	AA	URR	101511537	uncharacterized LOC101511537
SNP_62088B_178880	scaffold1202	NW_004516473.1	178880	TT	CC	CC	URR	101511537	uncharacterized LOC101511537

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62089B_178898	scaffold1202	NW_004516473.1	178898	TT	CC	CC	URR	101511537	uncharacterized LOC101511537
SNP_62090B_178917	scaffold1202	NW_004516473.1	178917	AA	GG	GG	URR	101511537	uncharacterized LOC101511537
SNP_62091B_179056	scaffold1202	NW_004516473.1	179056	AA	GG	GG	URR	101511537	uncharacterized LOC101511537
SNP_62092B_179069	scaffold1202	NW_004516473.1	179069	AA	GG	GG	URR	101511537	uncharacterized LOC101511537
SNP_62093B_179089	scaffold1202	NW_004516473.1	179089	TT	CC	CC	URR	101511537	uncharacterized LOC101511537
SNP_62094B_179095	scaffold1202	NW_004516473.1	179095	AA	GG	GG	URR	101511537	uncharacterized LOC101511537
SNP_62095B_179096	scaffold1202	NW_004516473.1	179096	AA	GG	GG	URR	101511537	uncharacterized LOC101511537
SNP_62096B_179098	scaffold1202	NW_004516473.1	179098	GG	TT	TT	URR	101511537	uncharacterized LOC101511537
SNP_62097B_179127	scaffold1202	NW_004516473.1	179127	AA	GG	GG	URR	101511537	uncharacterized LOC101511537
SNP_62098B_179148	scaffold1202	NW_004516473.1	179148	TT	CC	CC	URR	101511537	uncharacterized LOC101511537
SNP_62099B_179152	scaffold1202	NW_004516473.1	179152	AA	GG	GG	URR	101511537	uncharacterized LOC101511537
SNP_62100B_179197	scaffold1202	NW_004516473.1	179197	CC	GG	GG	URR	101511537	uncharacterized LOC101511537
SNP_62101B_179220	scaffold1202	NW_004516473.1	179220	TT	CC	CC	URR	101511537	uncharacterized LOC101511537
SNP_62102B_179221	scaffold1202	NW_004516473.1	179221	GG	CC	CC	URR	101511537	uncharacterized LOC101511537
SNP_62103B_179272	scaffold1202	NW_004516473.1	179272	AA	GG	GG	URR	101511537	uncharacterized LOC101511537
SNP_62104B_179290	scaffold1202	NW_004516473.1	179290	AA	GG	GG	URR	101511537	uncharacterized LOC101511537
SNP_62105B_179334	scaffold1202	NW_004516473.1	179334	GG	AA	AA	URR	101511537	uncharacterized LOC101511537
SNP_62107B_179498	scaffold1202	NW_004516473.1	179498	AA	CC	CC	URR	101511537	uncharacterized LOC101511537
SNP_62108B_179503	scaffold1202	NW_004516473.1	179503	AA	GG	GG	URR	101511537	uncharacterized LOC101511537
SNP_62109B_179517	scaffold1202	NW_004516473.1	179517	AA	GG	GG	URR	101511537	uncharacterized LOC101511537
SNP_62110B_179556	scaffold1202	NW_004516473.1	179556	TT	GG	GG	URR	101511537	uncharacterized LOC101511537
SNP_62111B_179574	scaffold1202	NW_004516473.1	179574	CC	TT	TT	URR	101511537	uncharacterized LOC101511537
SNP_62113B_179622	scaffold1202	NW_004516473.1	179622	AA	GG	GG	URR	101511537	uncharacterized LOC101511537
SNP_62114B_179657	scaffold1202	NW_004516473.1	179657	AA	GG	GG	URR	101511537	uncharacterized LOC101511537

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62115B_179659	scaffold1202	NW_004516473.1	179659	CC	GG	GG	URR	101511537	uncharacterized LOC101511537
SNP_62116B_179667	scaffold1202	NW_004516473.1	179667	TT	GG	GG	URR	101511537	uncharacterized LOC101511537
SNP_62117B_179686	scaffold1202	NW_004516473.1	179686	AA	GG	GG	URR	101511537	uncharacterized LOC101511537
SNP_62118B_179724	scaffold1202	NW_004516473.1	179724	TT	CC	CC	URR	101511537	uncharacterized LOC101511537
SNP_62119B_179743	scaffold1202	NW_004516473.1	179743	AA	GG	GG	URR	101511537	uncharacterized LOC101511537
SNP_62120B_179752	scaffold1202	NW_004516473.1	179752	AA	GG	GG	URR	101511537	uncharacterized LOC101511537
SNP_62121B_179754	scaffold1202	NW_004516473.1	179754	CC	GG	GG	URR	101511537	uncharacterized LOC101511537
SNP_62122B_179781	scaffold1202	NW_004516473.1	179781	AA	GG	GG	URR	101511537	uncharacterized LOC101511537
SNP_62123B_179808	scaffold1202	NW_004516473.1	179808	AA	GG	GG	URR	101511537	uncharacterized LOC101511537
SNP_62124B_183386	scaffold1202	NW_004516473.1	183386	AA	CC	CC	URR	101509926	Unknown function
SNP_62125B_183458	scaffold1202	NW_004516473.1	183458	TT	AA	AA	URR	101509926	Unknown function
SNP_62126B_183631	scaffold1202	NW_004516473.1	183631	TT	AA	AA	INTERGENIC		
SNP_62127B_183660	scaffold1202	NW_004516473.1	183660	AA	GG	GG	INTERGENIC		
SNP_62128B_183664	scaffold1202	NW_004516473.1	183664	TT	CC	CC	INTERGENIC		
SNP_62129B_183675	scaffold1202	NW_004516473.1	183675	TT	CC	CC	INTERGENIC		
SNP_62130B_183751	scaffold1202	NW_004516473.1	183751	AA	CC	CC	INTERGENIC		
SNP_62131B_183752	scaffold1202	NW_004516473.1	183752	CC	TT	TT	INTERGENIC		
SNP_62132B_183755	scaffold1202	NW_004516473.1	183755	AA	GG	GG	INTERGENIC		
SNP_62133B_190770	scaffold1202	NW_004516473.1	190770	AA	CC	CC	INTERGENIC		
SNP_62134B_190791	scaffold1202	NW_004516473.1	190791	AA	TT	TT	INTERGENIC		
SNP_62135B_190857	scaffold1202	NW_004516473.1	190857	CC	AA	AA	INTERGENIC		
SNP_62136B_190899	scaffold1202	NW_004516473.1	190899	GG	TT	TT	INTERGENIC		
SNP_62137B_190908	scaffold1202	NW_004516473.1	190908	CC	AA	AA	INTERGENIC		
SNP_62138B_190913	scaffold1202	NW_004516473.1	190913	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62139B_196826	scaffold1202	NW_004516473.1	196826	CC	TT	TT	INTERGENIC		
SNP_62140B_227640	scaffold1202	NW_004516473.1	227640	AA	GG	GG	INTERGENIC		
SNP_62141B_227644	scaffold1202	NW_004516473.1	227644	AA	TT	TT	INTERGENIC		
SNP_62142B_227852	scaffold1202	NW_004516473.1	227852	GG	TT	TT	INTERGENIC		
SNP_62143B_227903	scaffold1202	NW_004516473.1	227903	GG	AA	AA	INTERGENIC		
SNP_62144B_227957	scaffold1202	NW_004516473.1	227957	CC	AA	AA	INTERGENIC		
SNP_62145B_227971	scaffold1202	NW_004516473.1	227971	AA	GG	GG	INTERGENIC		
SNP_62146B_228080	scaffold1202	NW_004516473.1	228080	CC	AA	AA	INTERGENIC		
SNP_62147B_228137	scaffold1202	NW_004516473.1	228137	TT	CC	CC	INTERGENIC		
SNP_62148B_228256	scaffold1202	NW_004516473.1	228256	TT	CC	CC	INTERGENIC		
SNP_62149B_228289	scaffold1202	NW_004516473.1	228289	GG	CC	CC	INTERGENIC		
SNP_62150B_228290	scaffold1202	NW_004516473.1	228290	CC	GG	GG	INTERGENIC		
SNP_62151B_228320	scaffold1202	NW_004516473.1	228320	GG	CC	CC	INTERGENIC		
SNP_62152B_228654	scaffold1202	NW_004516473.1	228654	CC	TT	TT	INTERGENIC		
SNP_62153B_289014	scaffold1202	NW_004516473.1	289014	GG	CC	CC	INTERGENIC		
SNP_62154B_289383	scaffold1202	NW_004516473.1	289383	GG	AA	AA	INTERGENIC		
SNP_62155B_267	scaffold1206	NW_004516474.1	267	GG	AA	AA	INTERGENIC		
SNP_62156B_463	scaffold1206	NW_004516474.1	463	CC	TT	TT	INTERGENIC		
SNP_62157B_616	scaffold1206	NW_004516474.1	616	GG	AA	AA	INTERGENIC		
SNP_62158B_653	scaffold1206	NW_004516474.1	653	GG	CC	CC	INTERGENIC		
SNP_62159B_681	scaffold1206	NW_004516474.1	681	AA	GG	GG	INTERGENIC		
SNP_62160B_709	scaffold1206	NW_004516474.1	709	AA	GG	GG	INTERGENIC		
SNP_62161B_756	scaffold1206	NW_004516474.1	756	GG	CC	CC	INTERGENIC		
SNP_62162B_806	scaffold1207	NW_004516475.1	806	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62163B_1416	scaffold1207	NW_004516475.1	1416	AA	GG	GG	INTERGENIC		
SNP_62164B_4542	scaffold1207	NW_004516475.1	4542	TT	AA	AA	INTERGENIC		
SNP_62165B_12612	scaffold1215	NW_004516479.1	12612	AA	GG	GG	INTERGENIC		
SNP_62166B_12627	scaffold1215	NW_004516479.1	12627	CC	AA	AA	INTERGENIC		
SNP_62168B_12752	scaffold1215	NW_004516479.1	12752	TT	CC	CC	INTERGENIC		
SNP_62169B_12824	scaffold1215	NW_004516479.1	12824	TT	CC	CC	INTERGENIC		
SNP_62170B_12891	scaffold1215	NW_004516479.1	12891	GG	TT	TT	INTERGENIC		
SNP_62171B_13026	scaffold1215	NW_004516479.1	13026	AA	GG	GG	INTERGENIC		
SNP_62172B_13045	scaffold1215	NW_004516479.1	13045	GG	AA	AA	INTERGENIC		
SNP_62173B_13100	scaffold1215	NW_004516479.1	13100	TT	CC	CC	INTERGENIC		
SNP_62174B_13129	scaffold1215	NW_004516479.1	13129	CC	TT	TT	INTERGENIC		
SNP_62175B_13136	scaffold1215	NW_004516479.1	13136	TT	GG	GG	INTERGENIC		
SNP_62176B_13151	scaffold1215	NW_004516479.1	13151	AA	GG	GG	INTERGENIC		
SNP_62177B_13249	scaffold1215	NW_004516479.1	13249	GG	AA	AA	INTERGENIC		
SNP_62178B_13351	scaffold1215	NW_004516479.1	13351	GG	AA	AA	INTERGENIC		
SNP_62179B_13353	scaffold1215	NW_004516479.1	13353	TT	CC	CC	INTERGENIC		
SNP_62180B_13398	scaffold1215	NW_004516479.1	13398	TT	CC	CC	INTERGENIC		
SNP_62181B_13482	scaffold1215	NW_004516479.1	13482	GG	TT	TT	INTERGENIC		
SNP_62182B_13495	scaffold1215	NW_004516479.1	13495	GG	TT	TT	INTERGENIC		
SNP_62183B_13539	scaffold1215	NW_004516479.1	13539	AA	GG	GG	INTERGENIC		
SNP_62184B_13610	scaffold1215	NW_004516479.1	13610	GG	AA	AA	INTERGENIC		
SNP_62186B_13674	scaffold1215	NW_004516479.1	13674	CC	TT	TT	INTERGENIC		
SNP_62187B_13746	scaffold1215	NW_004516479.1	13746	AA	TT	TT	INTERGENIC		
SNP_62188B_14031	scaffold1215	NW_004516479.1	14031	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62189B_14080	scaffold1215	NW_004516479.1	14080	CC	TT	TT	INTERGENIC		
SNP_62190B_14098	scaffold1215	NW_004516479.1	14098	AA	GG	GG	INTERGENIC		
SNP_62191B_14160	scaffold1215	NW_004516479.1	14160	TT	CC	CC	INTERGENIC		
SNP_62192B_14161	scaffold1215	NW_004516479.1	14161	GG	AA	AA	INTERGENIC		
SNP_62193B_14207	scaffold1215	NW_004516479.1	14207	TT	GG	GG	INTERGENIC		
SNP_62194B_14309	scaffold1215	NW_004516479.1	14309	TT	CC	CC	INTERGENIC		
SNP_62195B_14340	scaffold1215	NW_004516479.1	14340	TT	CC	CC	INTERGENIC		
SNP_62196B_14357	scaffold1215	NW_004516479.1	14357	AA	TT	TT	INTERGENIC		
SNP_62197B_14405	scaffold1215	NW_004516479.1	14405	GG	AA	AA	INTERGENIC		
SNP_62198B_14465	scaffold1215	NW_004516479.1	14465	CC	AA	AA	INTERGENIC		
SNP_62199B_16922	scaffold1215	NW_004516479.1	16922	CC	AA	AA	INTERGENIC		
SNP_62200B_16925	scaffold1215	NW_004516479.1	16925	AA	TT	TT	INTERGENIC		
SNP_62202B_16943	scaffold1215	NW_004516479.1	16943	TT	AA	AA	INTERGENIC		
SNP_62203B_16944	scaffold1215	NW_004516479.1	16944	AA	TT	TT	INTERGENIC		
SNP_62204B_16948	scaffold1215	NW_004516479.1	16948	GG	TT	TT	INTERGENIC		
SNP_62205B_17917	scaffold1215	NW_004516479.1	17917	CC	TT	TT	DRR	101512182	uncharacterized LOC101512182
SNP_62206B_17941	scaffold1215	NW_004516479.1	17941	AA	CC	CC	DRR	101512182	uncharacterized LOC101512182
SNP_62207B_35986	scaffold1215	NW_004516479.1	35986	TT	CC	CC	INTRON	101512628	cucumisin-like
SNP_62208B_41363	scaffold1215	NW_004516479.1	41363	AA	GG	GG	INTRON	101512628	cucumisin-like
SNP_62209B_41470	scaffold1215	NW_004516479.1	41470	CC	TT	TT	INTRON	101512628	cucumisin-like
SNP_62210B_41478	scaffold1215	NW_004516479.1	41478	AA	CC	CC	INTRON	101512628	cucumisin-like
SNP_62211B_41503	scaffold1215	NW_004516479.1	41503	CC	TT	TT	INTRON	101512628	cucumisin-like
SNP_62213B_42150	scaffold1215	NW_004516479.1	42150	GG	AA	AA	SYNONYMOUS_CODING	101512628	cucumisin-like
SNP_62214B_42164	scaffold1215	NW_004516479.1	42164	CC	GG	GG	NON_SYNONYMOUS_CODING	101512628	cucumisin-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62215B_44447	scaffold1215	NW_004516479.1	44447	AA	TT	TT	URR	101512628	cucumisin-like
SNP_62217B_45699	scaffold1215	NW_004516479.1	45699	GG	AA	AA	INTERGENIC		
SNP_62219B_245	scaffold1216	NW_004516480.1	245	GG	AA	AA	INTERGENIC		
SNP_62220B_269	scaffold1216	NW_004516480.1	269	TT	AA	AA	INTERGENIC		
SNP_62221B_305	scaffold1216	NW_004516480.1	305	AA	GG	GG	INTERGENIC		
SNP_62222B_364	scaffold1216	NW_004516480.1	364	GG	AA	AA	INTERGENIC		
SNP_62223B_404	scaffold1216	NW_004516480.1	404	CC	TT	TT	INTERGENIC		
SNP_62224B_486	scaffold1216	NW_004516480.1	486	CC	TT	TT	INTERGENIC		
SNP_62225B_549	scaffold1216	NW_004516480.1	549	TT	AA	AA	INTERGENIC		
SNP_62226B_638	scaffold1216	NW_004516480.1	638	CC	TT	TT	INTERGENIC		
SNP_62227B_3404	scaffold1216	NW_004516480.1	3404	GG	CC	CC	INTERGENIC		
SNP_62228B_3579	scaffold1216	NW_004516480.1	3579	AA	TT	TT	INTERGENIC		
SNP_62229B_3656	scaffold1216	NW_004516480.1	3656	CC	TT	TT	INTERGENIC		
SNP_62230B_3890	scaffold1216	NW_004516480.1	3890	AA	TT	TT	INTERGENIC		
SNP_62231B_4210	scaffold1216	NW_004516480.1	4210	GG	TT	TT	INTERGENIC		
SNP_62232B_4832	scaffold1216	NW_004516480.1	4832	TT	CC	CC	INTERGENIC		
SNP_62233B_4842	scaffold1216	NW_004516480.1	4842	TT	CC	CC	INTERGENIC		
SNP_62234B_5074	scaffold1216	NW_004516480.1	5074	CC	TT	TT	INTERGENIC		
SNP_62235B_5209	scaffold1216	NW_004516480.1	5209	CC	TT	TT	INTERGENIC		
SNP_62236B_13072	scaffold1216	NW_004516480.1	13072	TT	AA	AA	INTERGENIC		
SNP_62237B_13266	scaffold1216	NW_004516480.1	13266	CC	TT	TT	INTERGENIC		
SNP_62238B_13290	scaffold1216	NW_004516480.1	13290	CC	TT	TT	INTERGENIC		
SNP_62239B_13308	scaffold1216	NW_004516480.1	13308	TT	AA	AA	INTERGENIC		
SNP_62240B_13444	scaffold1216	NW_004516480.1	13444	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62241B_13447	scaffold1216	NW_004516480.1	13447	AA	TT	TT	INTERGENIC		
SNP_62242B_13713	scaffold1216	NW_004516480.1	13713	GG	AA	AA	INTERGENIC		
SNP_62243B_14115	scaffold1216	NW_004516480.1	14115	AA	TT	TT	INTERGENIC		
SNP_62244B_14267	scaffold1216	NW_004516480.1	14267	CC	TT	TT	INTERGENIC		
SNP_62245B_14661	scaffold1216	NW_004516480.1	14661	AA	TT	TT	INTERGENIC		
SNP_62246B_14844	scaffold1216	NW_004516480.1	14844	TT	GG	GG	INTERGENIC		
SNP_62247B_14871	scaffold1216	NW_004516480.1	14871	AA	GG	GG	INTERGENIC		
SNP_62248B_14885	scaffold1216	NW_004516480.1	14885	TT	CC	CC	INTERGENIC		
SNP_62249B_15070	scaffold1216	NW_004516480.1	15070	GG	TT	TT	INTERGENIC		
SNP_62250B_15785	scaffold1216	NW_004516480.1	15785	AA	GG	GG	INTERGENIC		
SNP_62251B_15786	scaffold1216	NW_004516480.1	15786	AA	GG	GG	INTERGENIC		
SNP_62252B_16054	scaffold1216	NW_004516480.1	16054	GG	CC	CC	INTERGENIC		
SNP_62253B_16109	scaffold1216	NW_004516480.1	16109	GG	AA	AA	INTERGENIC		
SNP_62254B_16162	scaffold1216	NW_004516480.1	16162	AA	TT	TT	INTERGENIC		
SNP_62255B_16283	scaffold1216	NW_004516480.1	16283	TT	CC	CC	INTERGENIC		
SNP_62256B_16376	scaffold1216	NW_004516480.1	16376	CC	AA	AA	INTERGENIC		
SNP_62257B_16418	scaffold1216	NW_004516480.1	16418	GG	TT	TT	INTERGENIC		
SNP_62258B_16432	scaffold1216	NW_004516480.1	16432	TT	GG	GG	INTERGENIC		
SNP_62259B_16433	scaffold1216	NW_004516480.1	16433	GG	AA	AA	INTERGENIC		
SNP_62260B_16504	scaffold1216	NW_004516480.1	16504	TT	CC	CC	INTERGENIC		
SNP_62261B_16552	scaffold1216	NW_004516480.1	16552	GG	AA	AA	INTERGENIC		
SNP_62262B_16701	scaffold1216	NW_004516480.1	16701	AA	TT	TT	INTERGENIC		
SNP_62263B_16745	scaffold1216	NW_004516480.1	16745	CC	TT	TT	INTERGENIC		
SNP_62264B_16756	scaffold1216	NW_004516480.1	16756	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62265B_16814	scaffold1216	NW_004516480.1	16814	CC	AA	AA	INTERGENIC		
SNP_62266B_16816	scaffold1216	NW_004516480.1	16816	GG	CC	CC	INTERGENIC		
SNP_62267B_16878	scaffold1216	NW_004516480.1	16878	TT	AA	AA	INTERGENIC		
SNP_62268B_16918	scaffold1216	NW_004516480.1	16918	AA	GG	GG	INTERGENIC		
SNP_62269B_16944	scaffold1216	NW_004516480.1	16944	AA	GG	GG	INTERGENIC		
SNP_62270B_16955	scaffold1216	NW_004516480.1	16955	CC	TT	TT	INTERGENIC		
SNP_62271B_17014	scaffold1216	NW_004516480.1	17014	TT	CC	CC	INTERGENIC		
SNP_62272B_17025	scaffold1216	NW_004516480.1	17025	GG	CC	CC	INTERGENIC		
SNP_62273B_17064	scaffold1216	NW_004516480.1	17064	TT	CC	CC	INTERGENIC		
SNP_62274B_17105	scaffold1216	NW_004516480.1	17105	TT	AA	AA	INTERGENIC		
SNP_62275B_17113	scaffold1216	NW_004516480.1	17113	AA	GG	GG	INTERGENIC		
SNP_62276B_17186	scaffold1216	NW_004516480.1	17186	GG	TT	TT	INTERGENIC		
SNP_62277B_17484	scaffold1216	NW_004516480.1	17484	GG	AA	AA	INTERGENIC		
SNP_62278B_17552	scaffold1216	NW_004516480.1	17552	TT	CC	CC	INTERGENIC		
SNP_62279B_17626	scaffold1216	NW_004516480.1	17626	AA	GG	GG	INTERGENIC		
SNP_62280B_20369	scaffold1216	NW_004516480.1	20369	GG	AA	AA	INTERGENIC		
SNP_62281B_20501	scaffold1216	NW_004516480.1	20501	CC	TT	TT	INTERGENIC		
SNP_62282B_20523	scaffold1216	NW_004516480.1	20523	AA	TT	TT	INTERGENIC		
SNP_62283B_20525	scaffold1216	NW_004516480.1	20525	CC	TT	TT	INTERGENIC		
SNP_62284B_20551	scaffold1216	NW_004516480.1	20551	AA	GG	GG	INTERGENIC		
SNP_62285B_20581	scaffold1216	NW_004516480.1	20581	TT	GG	GG	INTERGENIC		
SNP_62286B_20631	scaffold1216	NW_004516480.1	20631	AA	TT	TT	INTERGENIC		
SNP_62287B_20653	scaffold1216	NW_004516480.1	20653	GG	CC	CC	INTERGENIC		
SNP_62288B_20780	scaffold1216	NW_004516480.1	20780	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62289B_20791	scaffold1216	NW_004516480.1	20791	AA	TT	TT	INTERGENIC		
SNP_62290B_20806	scaffold1216	NW_004516480.1	20806	TT	AA	AA	INTERGENIC		
SNP_62291B_20816	scaffold1216	NW_004516480.1	20816	TT	CC	CC	INTERGENIC		
SNP_62292B_20832	scaffold1216	NW_004516480.1	20832	CC	GG	GG	INTERGENIC		
SNP_62293B_20988	scaffold1216	NW_004516480.1	20988	AA	GG	GG	INTERGENIC		
SNP_62294B_21062	scaffold1216	NW_004516480.1	21062	AA	GG	GG	INTERGENIC		
SNP_62295B_21393	scaffold1216	NW_004516480.1	21393	GG	CC	CC	INTERGENIC		
SNP_62296B_21404	scaffold1216	NW_004516480.1	21404	CC	GG	GG	INTERGENIC		
SNP_62297B_6475	scaffold1219	NW_004516482.1	6475	GG	AA	AA	INTERGENIC		
SNP_62298B_6965	scaffold1219	NW_004516482.1	6965	AA	TT	TT	INTERGENIC		
SNP_62299B_6985	scaffold1219	NW_004516482.1	6985	TT	CC	CC	INTERGENIC		
SNP_62300B_6991	scaffold1219	NW_004516482.1	6991	GG	AA	AA	INTERGENIC		
SNP_62301B_7034	scaffold1219	NW_004516482.1	7034	CC	TT	TT	INTERGENIC		
SNP_62302B_7073	scaffold1219	NW_004516482.1	7073	AA	TT	TT	INTERGENIC		
SNP_62303B_7087	scaffold1219	NW_004516482.1	7087	TT	GG	GG	INTERGENIC		
SNP_62304B_7108	scaffold1219	NW_004516482.1	7108	GG	AA	AA	INTERGENIC		
SNP_62305B_7214	scaffold1219	NW_004516482.1	7214	TT	CC	CC	INTERGENIC		
SNP_62306B_7308	scaffold1219	NW_004516482.1	7308	GG	TT	TT	INTERGENIC		
SNP_62307B_11383	scaffold1219	NW_004516482.1	11383	AA	GG	GG	INTERGENIC		
SNP_62308B_11385	scaffold1219	NW_004516482.1	11385	AA	TT	TT	INTERGENIC		
SNP_62309B_11504	scaffold1219	NW_004516482.1	11504	CC	TT	TT	INTERGENIC		
SNP_62310B_11691	scaffold1219	NW_004516482.1	11691	GG	AA	AA	INTERGENIC		
SNP_62311B_13367	scaffold1219	NW_004516482.1	13367	CC	AA	AA	NON_SYNONYMOUS_CODING	101513262	probable receptor-like protein kinase At2g47060
SNP_62312B_14923	scaffold1219	NW_004516482.1	14923	CC	TT	TT	INTRON	101513262	probable receptor-like protein kinase At2g47060

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62313B_16442	scaffold1219	NW_004516482.1	16442	CC	AA	AA	URR	101513262	probable receptor-like protein kinase At2g47060
SNP_62314B_16669	scaffold1219	NW_004516482.1	16669	AA	TT	TT	URR	101513262	probable receptor-like protein kinase At2g47060
SNP_62315B_16706	scaffold1219	NW_004516482.1	16706	GG	TT	TT	URR	101513262	probable receptor-like protein kinase At2g47060
SNP_62316B_29147	scaffold1219	NW_004516482.1	29147	CC	TT	TT	INTERGENIC		
SNP_62317B_29201	scaffold1219	NW_004516482.1	29201	AA	CC	CC	INTERGENIC		
SNP_62318B_29397	scaffold1219	NW_004516482.1	29397	AA	GG	GG	INTERGENIC		
SNP_62319B_29444	scaffold1219	NW_004516482.1	29444	GG	TT	TT	INTERGENIC		
SNP_62320B_39964	scaffold1219	NW_004516482.1	39964	TT	CC	CC	INTERGENIC		
SNP_62321B_39981	scaffold1219	NW_004516482.1	39981	AA	TT	TT	INTERGENIC		
SNP_62323B_54163	scaffold1219	NW_004516482.1	54163	GG	CC	CC	INTERGENIC		
SNP_62324B_103048	scaffold1219	NW_004516482.1	103048	TT	CC	CC	INTERGENIC		
SNP_62325B_103068	scaffold1219	NW_004516482.1	103068	TT	CC	CC	INTERGENIC		
SNP_62326B_8894	scaffold1221	NW_004516484.1	8894	AA	GG	GG	INTERGENIC		
SNP_62327B_9079	scaffold1221	NW_004516484.1	9079	AA	GG	GG	INTERGENIC		
SNP_62328B_9088	scaffold1221	NW_004516484.1	9088	GG	CC	CC	INTERGENIC		
SNP_62329B_32260	scaffold1221	NW_004516484.1	32260	CC	TT	TT	INTERGENIC		
SNP_62330B_42806	scaffold1221	NW_004516484.1	42806	GG	CC	CC	INTERGENIC		
SNP_62331B_42866	scaffold1221	NW_004516484.1	42866	GG	CC	CC	INTERGENIC		
SNP_62332B_77238	scaffold1221	NW_004516484.1	77238	AA	GG	GG	INTERGENIC		
SNP_62333B_77306	scaffold1221	NW_004516484.1	77306	CC	TT	TT	INTERGENIC		
SNP_62334B_13747	scaffold1222	NW_004516485.1	13747	TT	AA	AA	INTERGENIC		
SNP_62335B_13750	scaffold1222	NW_004516485.1	13750	TT	AA	AA	INTERGENIC		
SNP_62336B_13802	scaffold1222	NW_004516485.1	13802	CC	TT	TT	INTERGENIC		
SNP_62337B_13837	scaffold1222	NW_004516485.1	13837	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62338B_13952	scaffold1222	NW_004516485.1	13952	TT	AA	AA	INTERGENIC		
SNP_62339B_14510	scaffold1222	NW_004516485.1	14510	CC	GG	GG	INTERGENIC		
SNP_62340B_14520	scaffold1222	NW_004516485.1	14520	AA	GG	GG	INTERGENIC		
SNP_62341B_14529	scaffold1222	NW_004516485.1	14529	TT	AA	AA	INTERGENIC		
SNP_62342B_14606	scaffold1222	NW_004516485.1	14606	AA	CC	CC	INTERGENIC		
SNP_62343B_14615	scaffold1222	NW_004516485.1	14615	CC	AA	AA	INTERGENIC		
SNP_62344B_14713	scaffold1222	NW_004516485.1	14713	AA	GG	GG	INTERGENIC		
SNP_62345B_14755	scaffold1222	NW_004516485.1	14755	GG	CC	CC	INTERGENIC		
SNP_62346B_14806	scaffold1222	NW_004516485.1	14806	TT	AA	AA	INTERGENIC		
SNP_62347B_14826	scaffold1222	NW_004516485.1	14826	CC	TT	TT	INTERGENIC		
SNP_62348B_14856	scaffold1222	NW_004516485.1	14856	TT	AA	AA	INTERGENIC		
SNP_62349B_14858	scaffold1222	NW_004516485.1	14858	TT	AA	AA	INTERGENIC		
SNP_62350B_14863	scaffold1222	NW_004516485.1	14863	TT	GG	GG	INTERGENIC		
SNP_62351B_4016	scaffold1224	NW_004516486.1	4016	TT	GG	GG	INTERGENIC		
SNP_62352B_4021	scaffold1224	NW_004516486.1	4021	TT	AA	AA	INTERGENIC		
SNP_62353B_4107	scaffold1224	NW_004516486.1	4107	TT	CC	CC	INTERGENIC		
SNP_62354B_4136	scaffold1224	NW_004516486.1	4136	TT	CC	CC	INTERGENIC		
SNP_62355B_4138	scaffold1224	NW_004516486.1	4138	GG	AA	AA	INTERGENIC		
SNP_62356B_4140	scaffold1224	NW_004516486.1	4140	GG	CC	CC	INTERGENIC		
SNP_62357B_4445	scaffold1224	NW_004516486.1	4445	AA	GG	GG	INTERGENIC		
SNP_62358B_5066	scaffold1224	NW_004516486.1	5066	TT	CC	CC	INTERGENIC		
SNP_62359B_5083	scaffold1224	NW_004516486.1	5083	AA	GG	GG	INTERGENIC		
SNP_62360B_25734	scaffold1231	NW_004516489.1	25734	CC	TT	TT	INTERGENIC		
SNP_62361B_54952	scaffold1231	NW_004516489.1	54952	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62362B_74732	scaffold1231	NW_004516489.1	74732	AA	CC	CC	INTERGENIC		
SNP_62363B_74909	scaffold1231	NW_004516489.1	74909	GG	AA	AA	INTERGENIC		
SNP_62364B_113338	scaffold1231	NW_004516489.1	113338	GG	AA	AA	INTERGENIC		
SNP_62365B_143103	scaffold1231	NW_004516489.1	143103	CC	TT	TT	INTERGENIC		
SNP_62366B_185086	scaffold1231	NW_004516489.1	185086	AA	GG	GG	INTERGENIC		
SNP_62367B_185155	scaffold1231	NW_004516489.1	185155	AA	CC	CC	INTERGENIC		
SNP_62368B_186606	scaffold1231	NW_004516489.1	186606	GG	AA	AA	INTERGENIC		
SNP_62369B_186898	scaffold1231	NW_004516489.1	186898	GG	AA	AA	INTERGENIC		
SNP_62370B_3158	scaffold1234	NW_004516491.1	3158	GG	AA	AA	INTERGENIC		
SNP_62371B_469	scaffold1235	NW_004516492.1	469	TT	AA	AA	INTERGENIC		
SNP_62372B_848	scaffold1235	NW_004516492.1	848	GG	AA	AA	INTERGENIC		
SNP_62374B_1112	scaffold1235	NW_004516492.1	1112	AA	GG	GG	INTERGENIC		
SNP_62375B_1154	scaffold1238	NW_004516495.1	1154	TT	GG	GG	INTERGENIC		
SNP_62376B_30720	scaffold1238	NW_004516495.1	30720	AA	GG	GG	INTERGENIC		
SNP_62377B_31178	scaffold1238	NW_004516495.1	31178	AA	TT	TT	INTERGENIC		
SNP_62379B_64911	scaffold1238	NW_004516495.1	64911	TT	CC	CC	INTERGENIC		
SNP_62380B_65650	scaffold1238	NW_004516495.1	65650	AA	GG	GG	INTERGENIC		
SNP_62381B_101775	scaffold1238	NW_004516495.1	101775	TT	AA	AA	INTERGENIC		
SNP_62382B_103805	scaffold1238	NW_004516495.1	103805	CC	TT	TT	INTERGENIC		
SNP_62383B_103916	scaffold1238	NW_004516495.1	103916	GG	AA	AA	INTERGENIC		
SNP_62384B_103927	scaffold1238	NW_004516495.1	103927	CC	TT	TT	INTERGENIC		
SNP_62385B_103990	scaffold1238	NW_004516495.1	103990	AA	TT	TT	INTERGENIC		
SNP_62386B_104024	scaffold1238	NW_004516495.1	104024	AA	CC	CC	INTERGENIC		
SNP_62387B_104167	scaffold1238	NW_004516495.1	104167	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62388B_104205	scaffold1238	NW_004516495.1	104205	TT	CC	CC	INTERGENIC		
SNP_62389B_104222	scaffold1238	NW_004516495.1	104222	AA	TT	TT	INTERGENIC		
SNP_62390B_104226	scaffold1238	NW_004516495.1	104226	GG	AA	AA	INTERGENIC		
SNP_62391B_104364	scaffold1238	NW_004516495.1	104364	TT	GG	GG	INTERGENIC		
SNP_62392B_104365	scaffold1238	NW_004516495.1	104365	GG	TT	TT	INTERGENIC		
SNP_62393B_104391	scaffold1238	NW_004516495.1	104391	GG	TT	TT	INTERGENIC		
SNP_62394B_109869	scaffold1238	NW_004516495.1	109869	CC	GG	GG	INTERGENIC		
SNP_62395B_110097	scaffold1238	NW_004516495.1	110097	AA	GG	GG	INTERGENIC		
SNP_62397B_110338	scaffold1238	NW_004516495.1	110338	AA	CC	CC	INTERGENIC		
SNP_62398B_110526	scaffold1238	NW_004516495.1	110526	CC	TT	TT	INTERGENIC		
SNP_62400B_110560	scaffold1238	NW_004516495.1	110560	TT	CC	CC	INTERGENIC		
SNP_62401B_110747	scaffold1238	NW_004516495.1	110747	AA	CC	CC	INTERGENIC		
SNP_62402B_110759	scaffold1238	NW_004516495.1	110759	TT	GG	GG	INTERGENIC		
SNP_62403B_110791	scaffold1238	NW_004516495.1	110791	GG	AA	AA	INTERGENIC		
SNP_62404B_110830	scaffold1238	NW_004516495.1	110830	AA	TT	TT	INTERGENIC		
SNP_62405B_110839	scaffold1238	NW_004516495.1	110839	TT	CC	CC	INTERGENIC		
SNP_62406B_110842	scaffold1238	NW_004516495.1	110842	GG	AA	AA	INTERGENIC		
SNP_62407B_110843	scaffold1238	NW_004516495.1	110843	GG	AA	AA	INTERGENIC		
SNP_62408B_110918	scaffold1238	NW_004516495.1	110918	AA	TT	TT	INTERGENIC		
SNP_62409B_130359	scaffold1238	NW_004516495.1	130359	AA	TT	TT	URR	101488291	Unknown function
SNP_62410B_136281	scaffold1238	NW_004516495.1	136281	TT	AA	AA	URR	101488619	uncharacterized LOC101488619
SNP_62411B_147017	scaffold1238	NW_004516495.1	147017	AA	GG	GG	INTERGENIC		
SNP_62412B_3931	scaffold1239	NW_004516496.1	3931	AA	GG	GG	INTERGENIC		
SNP_62413B_4076	scaffold1239	NW_004516496.1	4076	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62414B_4196	scaffold1239	NW_004516496.1	4196	CC	GG	GG	INTERGENIC		
SNP_62416B_4633	scaffold1239	NW_004516496.1	4633	TT	CC	CC	INTERGENIC		
SNP_62417B_7024	scaffold1240	NW_004516497.1	7024	CC	TT	TT	INTERGENIC		
SNP_62418B_105518	scaffold1240	NW_004516497.1	105518	AA	GG	GG	INTERGENIC		
SNP_62420B_105771	scaffold1240	NW_004516497.1	105771	AA	GG	GG	INTERGENIC		
SNP_62421B_106016	scaffold1240	NW_004516497.1	106016	CC	TT	TT	INTERGENIC		
SNP_62422B_145473	scaffold1240	NW_004516497.1	145473	CC	AA	AA	INTERGENIC		
SNP_62423B_145548	scaffold1240	NW_004516497.1	145548	TT	CC	CC	INTERGENIC		
SNP_62424B_145554	scaffold1240	NW_004516497.1	145554	TT	CC	CC	INTERGENIC		
SNP_62425B_2695	scaffold1242	NW_004516498.1	2695	GG	AA	AA	INTERGENIC		
SNP_62426B_14600	scaffold1242	NW_004516498.1	14600	CC	TT	TT	INTERGENIC		
SNP_62427B_22590	scaffold1242	NW_004516498.1	22590	CC	AA	AA	INTERGENIC		
SNP_62428B_26632	scaffold1242	NW_004516498.1	26632	TT	AA	AA	INTERGENIC		
SNP_62429B_26635	scaffold1242	NW_004516498.1	26635	TT	GG	GG	INTERGENIC		
SNP_62430B_40393	scaffold1242	NW_004516498.1	40393	AA	GG	GG	INTERGENIC		
SNP_62431B_40428	scaffold1242	NW_004516498.1	40428	AA	CC	CC	INTERGENIC		
SNP_62432B_40487	scaffold1242	NW_004516498.1	40487	GG	TT	TT	INTERGENIC		
SNP_62433B_50869	scaffold1242	NW_004516498.1	50869	AA	GG	GG	INTERGENIC		
SNP_62434B_53727	scaffold1242	NW_004516498.1	53727	TT	CC	CC	INTERGENIC		
SNP_62435B_53728	scaffold1242	NW_004516498.1	53728	CC	GG	GG	INTERGENIC		
SNP_62436B_775	scaffold1243	NW_004516499.1	775	TT	GG	GG	INTERGENIC		
SNP_62437B_994	scaffold1243	NW_004516499.1	994	GG	TT	TT	INTERGENIC		
SNP_62438B_1104	scaffold1243	NW_004516499.1	1104	AA	GG	GG	INTERGENIC		
SNP_62439B_1272	scaffold1243	NW_004516499.1	1272	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62440B_1612	scaffold1243	NW_004516499.1	1612	AA	CC	CC	INTERGENIC		
SNP_62441B_1818	scaffold1243	NW_004516499.1	1818	AA	TT	TT	INTERGENIC		
SNP_62442B_2211	scaffold1243	NW_004516499.1	2211	AA	CC	CC	INTERGENIC		
SNP_62443B_2256	scaffold1243	NW_004516499.1	2256	CC	GG	GG	INTERGENIC		
SNP_62444B_2105	scaffold1244	NW_004516500.1	2105	TT	AA	AA	INTERGENIC		
SNP_62445B_2175	scaffold1244	NW_004516500.1	2175	TT	AA	AA	INTERGENIC		
SNP_62446B_2183	scaffold1244	NW_004516500.1	2183	AA	TT	TT	INTERGENIC		
SNP_62447B_2192	scaffold1244	NW_004516500.1	2192	CC	AA	AA	INTERGENIC		
SNP_62448B_2305	scaffold1244	NW_004516500.1	2305	TT	AA	AA	INTERGENIC		
SNP_62449B_2371	scaffold1244	NW_004516500.1	2371	CC	AA	AA	INTERGENIC		
SNP_62450B_2634	scaffold1244	NW_004516500.1	2634	TT	AA	AA	INTERGENIC		
SNP_62451B_2754	scaffold1244	NW_004516500.1	2754	AA	GG	GG	INTERGENIC		
SNP_62453B_5198	scaffold1244	NW_004516500.1	5198	CC	TT	TT	INTERGENIC		
SNP_62454B_5216	scaffold1244	NW_004516500.1	5216	CC	AA	AA	INTERGENIC		
SNP_62455B_5249	scaffold1244	NW_004516500.1	5249	GG	TT	TT	INTERGENIC		
SNP_62456B_5274	scaffold1244	NW_004516500.1	5274	AA	GG	GG	INTERGENIC		
SNP_62457B_6059	scaffold1244	NW_004516500.1	6059	TT	GG	GG	INTERGENIC		
SNP_62458B_7850	scaffold1244	NW_004516500.1	7850	AA	TT	TT	INTERGENIC		
SNP_62459B_7856	scaffold1244	NW_004516500.1	7856	CC	TT	TT	INTERGENIC		
SNP_62460B_7859	scaffold1244	NW_004516500.1	7859	CC	TT	TT	INTERGENIC		
SNP_62462B_7877	scaffold1244	NW_004516500.1	7877	AA	GG	GG	INTERGENIC		
SNP_62464B_7981	scaffold1244	NW_004516500.1	7981	GG	AA	AA	INTERGENIC		
SNP_62465B_7982	scaffold1244	NW_004516500.1	7982	TT	CC	CC	INTERGENIC		
SNP_62466B_7983	scaffold1244	NW_004516500.1	7983	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62467B_7984	scaffold1244	NW_004516500.1	7984	CC	TT	TT	INTERGENIC		
SNP_62468B_7985	scaffold1244	NW_004516500.1	7985	AA	GG	GG	INTERGENIC		
SNP_62469B_7993	scaffold1244	NW_004516500.1	7993	AA	GG	GG	INTERGENIC		
SNP_62470B_7994	scaffold1244	NW_004516500.1	7994	AA	GG	GG	INTERGENIC		
SNP_62471B_8168	scaffold1244	NW_004516500.1	8168	GG	AA	AA	INTERGENIC		
SNP_62472B_10111	scaffold1244	NW_004516500.1	10111	GG	AA	AA	INTERGENIC		
SNP_62473B_13970	scaffold1244	NW_004516500.1	13970	AA	TT	TT	INTERGENIC		
SNP_62474B_14040	scaffold1244	NW_004516500.1	14040	CC	TT	TT	INTERGENIC		
SNP_62476B_17129	scaffold1244	NW_004516500.1	17129	CC	TT	TT	INTERGENIC		
SNP_62477B_17143	scaffold1244	NW_004516500.1	17143	GG	AA	AA	INTERGENIC		
SNP_62479B_64	scaffold1247	NW_004516503.1	64	CC	GG	GG	INTERGENIC		
SNP_62480B_81	scaffold1247	NW_004516503.1	81	AA	GG	GG	INTERGENIC		
SNP_62481B_4951	scaffold1247	NW_004516503.1	4951	AA	GG	GG	INTERGENIC		
SNP_62482B_6614	scaffold1247	NW_004516503.1	6614	TT	CC	CC	INTERGENIC		
SNP_62483B_6690	scaffold1247	NW_004516503.1	6690	AA	GG	GG	INTERGENIC		
SNP_62484B_7838	scaffold1247	NW_004516503.1	7838	GG	AA	AA	INTERGENIC		
SNP_62485B_13306	scaffold1247	NW_004516503.1	13306	GG	CC	CC	INTERGENIC		
SNP_62486B_13318	scaffold1247	NW_004516503.1	13318	TT	CC	CC	INTERGENIC		
SNP_62487B_13560	scaffold1247	NW_004516503.1	13560	CC	AA	AA	INTERGENIC		
SNP_62488B_13598	scaffold1247	NW_004516503.1	13598	CC	TT	TT	INTERGENIC		
SNP_62489B_13675	scaffold1247	NW_004516503.1	13675	CC	AA	AA	INTERGENIC		
SNP_62490B_30633	scaffold1247	NW_004516503.1	30633	AA	GG	GG	INTERGENIC		
SNP_62491B_30634	scaffold1247	NW_004516503.1	30634	AA	TT	TT	INTERGENIC		
SNP_62492B_32156	scaffold1247	NW_004516503.1	32156	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62493B_38188	scaffold1247	NW_004516503.1	38188	TT	AA	AA	INTERGENIC		
SNP_62494B_38761	scaffold1247	NW_004516503.1	38761	TT	AA	AA	INTERGENIC		
SNP_62495B_38764	scaffold1247	NW_004516503.1	38764	AA	CC	CC	INTERGENIC		
SNP_62496B_498	scaffold1248	NW_004516504.1	498	CC	AA	AA	INTERGENIC		
SNP_62497B_574	scaffold1248	NW_004516504.1	574	GG	TT	TT	INTERGENIC		
SNP_62498B_589	scaffold1248	NW_004516504.1	589	AA	CC	CC	INTERGENIC		
SNP_62499B_590	scaffold1248	NW_004516504.1	590	TT	AA	AA	INTERGENIC		
SNP_62500B_686	scaffold1250	NW_004516505.1	686	TT	GG	GG	INTERGENIC		
SNP_62501B_15073	scaffold1252	NW_004516507.1	15073	TT	CC	CC	INTERGENIC		
SNP_62502B_28150	scaffold1252	NW_004516507.1	28150	CC	GG	GG	INTERGENIC		
SNP_62503B_28316	scaffold1252	NW_004516507.1	28316	GG	CC	CC	INTERGENIC		
SNP_62504B_43921	scaffold1252	NW_004516507.1	43921	TT	GG	GG	INTERGENIC		
SNP_62505B_44238	scaffold1252	NW_004516507.1	44238	TT	GG	GG	INTERGENIC		
SNP_62506B_55572	scaffold1252	NW_004516507.1	55572	TT	CC	CC	INTERGENIC		
SNP_62507B_55609	scaffold1252	NW_004516507.1	55609	TT	CC	CC	INTERGENIC		
SNP_62508B_55922	scaffold1252	NW_004516507.1	55922	AA	GG	GG	INTERGENIC		
SNP_62509B_56095	scaffold1252	NW_004516507.1	56095	GG	AA	AA	INTERGENIC		
SNP_62510B_60627	scaffold1252	NW_004516507.1	60627	GG	AA	AA	INTERGENIC		
SNP_62511B_63693	scaffold1252	NW_004516507.1	63693	TT	CC	CC	INTERGENIC		
SNP_62512B_64021	scaffold1252	NW_004516507.1	64021	GG	TT	TT	INTERGENIC		
SNP_62513B_65524	scaffold1252	NW_004516507.1	65524	GG	AA	AA	INTERGENIC		
SNP_62514B_95675	scaffold1252	NW_004516507.1	95675	AA	TT	TT	INTERGENIC		
SNP_62515B_97967	scaffold1252	NW_004516507.1	97967	CC	TT	TT	INTERGENIC		
SNP_62516B_97969	scaffold1252	NW_004516507.1	97969	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62517B_97978	scaffold1252	NW_004516507.1	97978	CC	GG	GG	INTERGENIC		
SNP_62519B_98146	scaffold1252	NW_004516507.1	98146	CC	AA	AA	INTERGENIC		
SNP_62520B_98150	scaffold1252	NW_004516507.1	98150	TT	AA	AA	INTERGENIC		
SNP_62521B_110715	scaffold1252	NW_004516507.1	110715	TT	GG	GG	INTERGENIC		
SNP_62522B_1595	scaffold1255	NW_004516510.1	1595	TT	GG	GG	INTERGENIC		
SNP_62523B_1712	scaffold1255	NW_004516510.1	1712	TT	CC	CC	INTERGENIC		
SNP_62524B_1718	scaffold1255	NW_004516510.1	1718	CC	TT	TT	INTERGENIC		
SNP_62525B_2004	scaffold1255	NW_004516510.1	2004	AA	GG	GG	INTERGENIC		
SNP_62526B_2025	scaffold1255	NW_004516510.1	2025	AA	CC	CC	INTERGENIC		
SNP_62527B_2108	scaffold1255	NW_004516510.1	2108	CC	TT	TT	INTERGENIC		
SNP_62528B_2121	scaffold1255	NW_004516510.1	2121	AA	GG	GG	INTERGENIC		
SNP_62529B_2155	scaffold1255	NW_004516510.1	2155	CC	GG	GG	INTERGENIC		
SNP_62530B_2739	scaffold1255	NW_004516510.1	2739	GG	AA	AA	INTERGENIC		
SNP_62531B_2748	scaffold1255	NW_004516510.1	2748	CC	AA	AA	INTERGENIC		
SNP_62532B_8581	scaffold1255	NW_004516510.1	8581	TT	CC	CC	INTERGENIC		
SNP_62533B_14968	scaffold1255	NW_004516510.1	14968	CC	GG	GG	INTERGENIC		
SNP_62534B_14982	scaffold1255	NW_004516510.1	14982	GG	TT	TT	INTERGENIC		
SNP_62535B_17375	scaffold1255	NW_004516510.1	17375	TT	CC	CC	INTERGENIC		
SNP_62536B_17422	scaffold1255	NW_004516510.1	17422	TT	CC	CC	INTERGENIC		
SNP_62537B_17429	scaffold1255	NW_004516510.1	17429	TT	GG	GG	INTERGENIC		
SNP_62538B_17461	scaffold1255	NW_004516510.1	17461	CC	TT	TT	INTERGENIC		
SNP_62539B_17537	scaffold1255	NW_004516510.1	17537	AA	TT	TT	INTERGENIC		
SNP_62540B_17583	scaffold1255	NW_004516510.1	17583	TT	AA	AA	INTERGENIC		
SNP_62541B_17623	scaffold1255	NW_004516510.1	17623	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62542B_24778	scaffold1255	NW_004516510.1	24778	AA	GG	GG	INTERGENIC		
SNP_62543B_24807	scaffold1255	NW_004516510.1	24807	TT	CC	CC	INTERGENIC		
SNP_62544B_477	scaffold1256	NW_004516511.1	477	GG	TT	TT	INTERGENIC		
SNP_62545B_535	scaffold1256	NW_004516511.1	535	CC	AA	AA	INTERGENIC		
SNP_62547B_4126	scaffold1256	NW_004516511.1	4126	TT	CC	CC	INTERGENIC		
SNP_62548B_8291	scaffold1256	NW_004516511.1	8291	CC	TT	TT	INTERGENIC		
SNP_62549B_20211	scaffold1256	NW_004516511.1	20211	GG	AA	AA	INTERGENIC		
SNP_62550B_20338	scaffold1256	NW_004516511.1	20338	CC	TT	TT	INTERGENIC		
SNP_62551B_21064	scaffold1256	NW_004516511.1	21064	GG	AA	AA	INTERGENIC		
SNP_62552B_25160	scaffold1256	NW_004516511.1	25160	CC	AA	AA	INTERGENIC		
SNP_62553B_25214	scaffold1256	NW_004516511.1	25214	CC	TT	TT	INTERGENIC		
SNP_62554B_25321	scaffold1256	NW_004516511.1	25321	TT	GG	GG	INTERGENIC		
SNP_62555B_31453	scaffold1256	NW_004516511.1	31453	GG	AA	AA	INTERGENIC		
SNP_62556B_32512	scaffold1256	NW_004516511.1	32512	AA	CC	CC	INTERGENIC		
SNP_62557B_33114	scaffold1256	NW_004516511.1	33114	AA	TT	TT	INTERGENIC		
SNP_62558B_38137	scaffold1256	NW_004516511.1	38137	TT	GG	GG	INTERGENIC		
SNP_62559B_62595	scaffold1256	NW_004516511.1	62595	TT	CC	CC	INTERGENIC		
SNP_62560B_62628	scaffold1256	NW_004516511.1	62628	GG	AA	AA	INTERGENIC		
SNP_62561B_62633	scaffold1256	NW_004516511.1	62633	CC	GG	GG	INTERGENIC		
SNP_62562B_62706	scaffold1256	NW_004516511.1	62706	GG	AA	AA	INTERGENIC		
SNP_62563B_62716	scaffold1256	NW_004516511.1	62716	TT	GG	GG	INTERGENIC		
SNP_62564B_69586	scaffold1256	NW_004516511.1	69586	AA	TT	TT	INTERGENIC		
SNP_62565B_69596	scaffold1256	NW_004516511.1	69596	CC	GG	GG	INTERGENIC		
SNP_62566B_69635	scaffold1256	NW_004516511.1	69635	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62567B_76116	scaffold1256	NW_004516511.1	76116	AA	TT	TT	INTERGENIC		
SNP_62568B_3059	scaffold1269	NW_004516518.1	3059	TT	AA	AA	INTERGENIC		
SNP_62569B_4868	scaffold1269	NW_004516518.1	4868	CC	AA	AA	INTERGENIC		
SNP_62570B_102	scaffold1272	NW_004516520.1	102	AA	GG	GG	INTERGENIC		
SNP_62571B_106	scaffold1272	NW_004516520.1	106	TT	CC	CC	INTERGENIC		
SNP_62572B_131	scaffold1272	NW_004516520.1	131	CC	TT	TT	INTERGENIC		
SNP_62573B_441	scaffold1272	NW_004516520.1	441	TT	AA	AA	INTERGENIC		
SNP_62574B_3068	scaffold1272	NW_004516520.1	3068	CC	AA	AA	INTERGENIC		
SNP_62575B_13163	scaffold1272	NW_004516520.1	13163	AA	GG	GG	INTERGENIC		
SNP_62576B_13166	scaffold1272	NW_004516520.1	13166	GG	AA	AA	INTERGENIC		
SNP_62577B_13212	scaffold1272	NW_004516520.1	13212	CC	AA	AA	INTERGENIC		
SNP_62578B_21384	scaffold1272	NW_004516520.1	21384	GG	AA	AA	INTERGENIC		
SNP_62579B_21445	scaffold1272	NW_004516520.1	21445	AA	TT	TT	INTERGENIC		
SNP_62580B_21797	scaffold1272	NW_004516520.1	21797	AA	GG	GG	INTERGENIC		
SNP_62581B_21798	scaffold1272	NW_004516520.1	21798	CC	GG	GG	INTERGENIC		
SNP_62582B_21840	scaffold1272	NW_004516520.1	21840	AA	GG	GG	INTERGENIC		
SNP_62583B_86112	scaffold1272	NW_004516520.1	86112	TT	CC	CC	INTERGENIC		
SNP_62584B_87036	scaffold1272	NW_004516520.1	87036	GG	AA	AA	INTERGENIC		
SNP_62585B_87079	scaffold1272	NW_004516520.1	87079	AA	TT	TT	INTERGENIC		
SNP_62586B_87120	scaffold1272	NW_004516520.1	87120	GG	AA	AA	INTERGENIC		
SNP_62587B_87145	scaffold1272	NW_004516520.1	87145	TT	CC	CC	INTERGENIC		
SNP_62588B_87195	scaffold1272	NW_004516520.1	87195	TT	CC	CC	INTERGENIC		
SNP_62589B_87240	scaffold1272	NW_004516520.1	87240	AA	GG	GG	INTERGENIC		
SNP_62590B_87249	scaffold1272	NW_004516520.1	87249	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62591B_87286	scaffold1272	NW_004516520.1	87286	AA	GG	GG	INTERGENIC		
SNP_62592B_87580	scaffold1272	NW_004516520.1	87580	AA	GG	GG	INTERGENIC		
SNP_62593B_87588	scaffold1272	NW_004516520.1	87588	GG	AA	AA	INTERGENIC		
SNP_62594B_87589	scaffold1272	NW_004516520.1	87589	TT	AA	AA	INTERGENIC		
SNP_62595B_132559	scaffold1272	NW_004516520.1	132559	GG	TT	TT	INTERGENIC		
SNP_62596B_132582	scaffold1272	NW_004516520.1	132582	CC	TT	TT	INTERGENIC		
SNP_62597B_132630	scaffold1272	NW_004516520.1	132630	CC	AA	AA	INTERGENIC		
SNP_62598B_132636	scaffold1272	NW_004516520.1	132636	TT	CC	CC	INTERGENIC		
SNP_62599B_132660	scaffold1272	NW_004516520.1	132660	AA	GG	GG	INTERGENIC		
SNP_62600B_132669	scaffold1272	NW_004516520.1	132669	TT	CC	CC	INTERGENIC		
SNP_62601B_132675	scaffold1272	NW_004516520.1	132675	AA	GG	GG	INTERGENIC		
SNP_62602B_132678	scaffold1272	NW_004516520.1	132678	AA	GG	GG	INTERGENIC		
SNP_62603B_132686	scaffold1272	NW_004516520.1	132686	GG	AA	AA	INTERGENIC		
SNP_62604B_132717	scaffold1272	NW_004516520.1	132717	AA	GG	GG	INTERGENIC		
SNP_62605B_132816	scaffold1272	NW_004516520.1	132816	TT	CC	CC	INTERGENIC		
SNP_62606B_133117	scaffold1272	NW_004516520.1	133117	AA	GG	GG	INTERGENIC		
SNP_62607B_133765	scaffold1272	NW_004516520.1	133765	GG	CC	CC	INTERGENIC		
SNP_62608B_190829	scaffold1272	NW_004516520.1	190829	AA	GG	GG	INTRON	101495319	uncharacterized LOC101495319
SNP_62609B_190960	scaffold1272	NW_004516520.1	190960	GG	TT	TT	INTRON	101495319	uncharacterized LOC101495319
SNP_62610B_197054	scaffold1272	NW_004516520.1	197054	CC	TT	TT	INTRON	101495319	uncharacterized LOC101495319
SNP_62611B_197151	scaffold1272	NW_004516520.1	197151	TT	GG	GG	INTRON	101495319	uncharacterized LOC101495319
SNP_62612B_197663	scaffold1272	NW_004516520.1	197663	CC	TT	TT	INTRON	101495319	uncharacterized LOC101495319
SNP_62613B_197665	scaffold1272	NW_004516520.1	197665	GG	AA	AA	INTRON	101495319	uncharacterized LOC101495319
SNP_62614B_197688	scaffold1272	NW_004516520.1	197688	CC	AA	AA	INTRON	101495319	uncharacterized LOC101495319

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62615B_197693	scaffold1272	NW_004516520.1	197693	CC	TT	TT	INTRON	101495319	uncharacterized LOC101495319
SNP_62616B_231721	scaffold1272	NW_004516520.1	231721	TT	CC	CC	INTRON	101495319	uncharacterized LOC101495319
SNP_62618B_6991	scaffold1274	NW_004516522.1	6991	CC	GG	GG	INTERGENIC		
SNP_62619B_7060	scaffold1274	NW_004516522.1	7060	TT	CC	CC	INTERGENIC		
SNP_62620B_7062	scaffold1274	NW_004516522.1	7062	GG	TT	TT	INTERGENIC		
SNP_62621B_7071	scaffold1274	NW_004516522.1	7071	GG	AA	AA	INTERGENIC		
SNP_62622B_7075	scaffold1274	NW_004516522.1	7075	AA	GG	GG	INTERGENIC		
SNP_62623B_7212	scaffold1274	NW_004516522.1	7212	CC	AA	AA	INTERGENIC		
SNP_62624B_5547	scaffold1275	NW_004516523.1	5547	GG	CC	CC	INTERGENIC		
SNP_62625B_5578	scaffold1275	NW_004516523.1	5578	CC	TT	TT	INTERGENIC		
SNP_62626B_5691	scaffold1275	NW_004516523.1	5691	TT	CC	CC	INTERGENIC		
SNP_62627B_5698	scaffold1275	NW_004516523.1	5698	TT	CC	CC	INTERGENIC		
SNP_62628B_5791	scaffold1275	NW_004516523.1	5791	AA	GG	GG	INTERGENIC		
SNP_62629B_5820	scaffold1275	NW_004516523.1	5820	TT	CC	CC	INTERGENIC		
SNP_62630B_5827	scaffold1275	NW_004516523.1	5827	TT	CC	CC	INTERGENIC		
SNP_62631B_5844	scaffold1275	NW_004516523.1	5844	GG	AA	AA	INTERGENIC		
SNP_62632B_5860	scaffold1275	NW_004516523.1	5860	CC	TT	TT	INTERGENIC		
SNP_62633B_5861	scaffold1275	NW_004516523.1	5861	AA	GG	GG	INTERGENIC		
SNP_62634B_5916	scaffold1275	NW_004516523.1	5916	CC	TT	TT	INTERGENIC		
SNP_62635B_5917	scaffold1275	NW_004516523.1	5917	GG	AA	AA	INTERGENIC		
SNP_62636B_5933	scaffold1275	NW_004516523.1	5933	TT	CC	CC	INTERGENIC		
SNP_62637B_5935	scaffold1275	NW_004516523.1	5935	AA	GG	GG	INTERGENIC		
SNP_62638B_5972	scaffold1275	NW_004516523.1	5972	GG	AA	AA	INTERGENIC		
SNP_62639B_5973	scaffold1275	NW_004516523.1	5973	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62640B_5997	scaffold1275	NW_004516523.1	5997	GG	AA	AA	INTERGENIC		
SNP_62641B_6003	scaffold1275	NW_004516523.1	6003	CC	TT	TT	INTERGENIC		
SNP_62642B_6035	scaffold1275	NW_004516523.1	6035	TT	AA	AA	INTERGENIC		
SNP_62643B_6054	scaffold1275	NW_004516523.1	6054	AA	GG	GG	INTERGENIC		
SNP_62644B_6055	scaffold1275	NW_004516523.1	6055	AA	CC	CC	INTERGENIC		
SNP_62645B_6056	scaffold1275	NW_004516523.1	6056	GG	CC	CC	INTERGENIC		
SNP_62646B_6058	scaffold1275	NW_004516523.1	6058	AA	GG	GG	INTERGENIC		
SNP_62647B_6181	scaffold1275	NW_004516523.1	6181	GG	AA	AA	INTERGENIC		
SNP_62649B_6212	scaffold1275	NW_004516523.1	6212	TT	CC	CC	INTERGENIC		
SNP_62650B_6252	scaffold1275	NW_004516523.1	6252	CC	TT	TT	INTERGENIC		
SNP_62651B_6255	scaffold1275	NW_004516523.1	6255	TT	CC	CC	INTERGENIC		
SNP_62652B_6363	scaffold1275	NW_004516523.1	6363	AA	GG	GG	INTERGENIC		
SNP_62653B_6380	scaffold1275	NW_004516523.1	6380	TT	CC	CC	INTERGENIC		
SNP_62654B_6452	scaffold1275	NW_004516523.1	6452	AA	TT	TT	INTERGENIC		
SNP_62655B_8574	scaffold1275	NW_004516523.1	8574	AA	TT	TT	INTERGENIC		
SNP_62656B_12663	scaffold1275	NW_004516523.1	12663	AA	GG	GG	INTRON	101495644	CEN-like protein 4
SNP_62657B_135	scaffold1276	NW_004516524.1	135	AA	GG	GG	INTERGENIC		
SNP_62658B_335	scaffold1276	NW_004516524.1	335	CC	TT	TT	INTERGENIC		
SNP_62659B_615	scaffold1276	NW_004516524.1	615	TT	AA	AA	INTERGENIC		
SNP_62660B_618	scaffold1276	NW_004516524.1	618	AA	GG	GG	INTERGENIC		
SNP_62661B_623	scaffold1276	NW_004516524.1	623	CC	TT	TT	INTERGENIC		
SNP_62662B_958	scaffold1276	NW_004516524.1	958	AA	TT	TT	INTERGENIC		
SNP_62663B_1052	scaffold1276	NW_004516524.1	1052	GG	CC	CC	INTERGENIC		
SNP_62664B_1087	scaffold1276	NW_004516524.1	1087	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62665B_1163	scaffold1276	NW_004516524.1	1163	TT	CC	CC	INTERGENIC		
SNP_62668B_2279	scaffold1276	NW_004516524.1	2279	GG	TT	TT	INTERGENIC		
SNP_62669B_22147	scaffold1276	NW_004516524.1	22147	GG	TT	TT	INTERGENIC		
SNP_62671B_53613	scaffold1276	NW_004516524.1	53613	GG	TT	TT	INTERGENIC		
SNP_62672B_57210	scaffold1276	NW_004516524.1	57210	TT	CC	CC	INTERGENIC		
SNP_62673B_495	scaffold1278	NW_004516525.1	495	CC	AA	AA	INTERGENIC		
SNP_62674B_10794	scaffold1278	NW_004516525.1	10794	AA	TT	TT	INTERGENIC		
SNP_62675B_10813	scaffold1278	NW_004516525.1	10813	AA	GG	GG	INTERGENIC		
SNP_62676B_10855	scaffold1278	NW_004516525.1	10855	GG	AA	AA	INTERGENIC		
SNP_62677B_34594	scaffold1278	NW_004516525.1	34594	AA	GG	GG	INTERGENIC		
SNP_62678B_35914	scaffold1278	NW_004516525.1	35914	CC	TT	TT	INTERGENIC		
SNP_62679B_35942	scaffold1278	NW_004516525.1	35942	AA	GG	GG	INTERGENIC		
SNP_62680B_62213	scaffold1278	NW_004516525.1	62213	GG	AA	AA	INTRON	id210697	Unknown function
SNP_62681B_62249	scaffold1278	NW_004516525.1	62249	AA	GG	GG	INTRON	id210697	Unknown function
SNP_62682B_62271	scaffold1278	NW_004516525.1	62271	TT	AA	AA	INTRON	id210697	Unknown function
SNP_62683B_62272	scaffold1278	NW_004516525.1	62272	GG	AA	AA	INTRON	id210697	Unknown function
SNP_62684B_62273	scaffold1278	NW_004516525.1	62273	GG	AA	AA	INTRON	id210697	Unknown function
SNP_62685B_62278	scaffold1278	NW_004516525.1	62278	AA	GG	GG	INTRON	id210697	Unknown function
SNP_62686B_62283	scaffold1278	NW_004516525.1	62283	CC	AA	AA	INTRON	id210697	Unknown function
SNP_62687B_62310	scaffold1278	NW_004516525.1	62310	TT	CC	CC	INTRON	id210697	Unknown function
SNP_62688B_62326	scaffold1278	NW_004516525.1	62326	GG	TT	TT	INTRON	id210697	Unknown function
SNP_62689B_62334	scaffold1278	NW_004516525.1	62334	TT	CC	CC	INTRON	id210697	Unknown function
SNP_62690B_62335	scaffold1278	NW_004516525.1	62335	TT	CC	CC	INTRON	id210697	Unknown function
SNP_62691B_62346	scaffold1278	NW_004516525.1	62346	GG	AA	AA	INTRON	id210697	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62692B_62369	scaffold1278	NW_004516525.1	62369	CC	AA	AA	INTRON	id210697	Unknown function
SNP_62693B_62371	scaffold1278	NW_004516525.1	62371	CC	TT	TT	INTRON	id210697	Unknown function
SNP_62694B_62511	scaffold1278	NW_004516525.1	62511	GG	AA	AA	INTRON	id210697	Unknown function
SNP_62695B_62535	scaffold1278	NW_004516525.1	62535	GG	AA	AA	STOP_GAINED	id210697	Unknown function
SNP_62696B_62552	scaffold1278	NW_004516525.1	62552	GG	AA	AA	NON_SYNONYMOUS_CODING	id210697	Unknown function
SNP_62697B_62733	scaffold1278	NW_004516525.1	62733	TT	CC	CC	INTRON	id210697	Unknown function
SNP_62698B_62740	scaffold1278	NW_004516525.1	62740	GG	AA	AA	INTRON	id210697	Unknown function
SNP_62699B_62768	scaffold1278	NW_004516525.1	62768	GG	AA	AA	NON_SYNONYMOUS_CODING	id210697	Unknown function
SNP_62700B_62769	scaffold1278	NW_004516525.1	62769	AA	TT	TT	NON_SYNONYMOUS_CODING	id210697	Unknown function
SNP_62701B_62836	scaffold1278	NW_004516525.1	62836	TT	CC	CC	SYNONYMOUS_CODING	id210697	Unknown function
SNP_62702B_62857	scaffold1278	NW_004516525.1	62857	GG	AA	AA	SYNONYMOUS_CODING	id210697	Unknown function
SNP_62703B_62875	scaffold1278	NW_004516525.1	62875	AA	CC	CC	NON_SYNONYMOUS_CODING	id210697	Unknown function
SNP_62704B_62879	scaffold1278	NW_004516525.1	62879	CC	TT	TT	NON_SYNONYMOUS_CODING	id210697	Unknown function
SNP_62705B_62921	scaffold1278	NW_004516525.1	62921	TT	GG	GG	STOP_LOST	id210697	Unknown function
SNP_62707B_63131	scaffold1278	NW_004516525.1	63131	TT	CC	CC	NON_SYNONYMOUS_CODING	id210697	Unknown function
SNP_62708B_63158	scaffold1278	NW_004516525.1	63158	TT	CC	CC	NON_SYNONYMOUS_CODING	id210697	Unknown function
SNP_62709B_63160	scaffold1278	NW_004516525.1	63160	AA	TT	CC	NON_SYNONYMOUS_CODING	id210697	Unknown function
SNP_62710B_63192	scaffold1278	NW_004516525.1	63192	AA	GG	GG	URR	101495969	uncharacterized LOC101495969
SNP_62711B_63215	scaffold1278	NW_004516525.1	63215	GG	AA	AA	URR	101495969	uncharacterized LOC101495969
SNP_62712B_63237	scaffold1278	NW_004516525.1	63237	CC	TT	TT	URR	101495969	uncharacterized LOC101495969
SNP_62715B_63317	scaffold1278	NW_004516525.1	63317	TT	CC	CC	URR	101495969	uncharacterized LOC101495969
SNP_62716B_63319	scaffold1278	NW_004516525.1	63319	AA	GG	GG	URR	101495969	uncharacterized LOC101495969
SNP_62717B_63354	scaffold1278	NW_004516525.1	63354	AA	GG	GG	URR	101495969	uncharacterized LOC101495969
SNP_62718B_63387	scaffold1278	NW_004516525.1	63387	AA	GG	GG	URR	101495969	uncharacterized LOC101495969

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62720B_83765	scaffold1278	NW_004516525.1	83765	TT	CC	CC	INTERGENIC		
SNP_62721B_84020	scaffold1278	NW_004516525.1	84020	GG	AA	AA	INTERGENIC		
SNP_62722B_95459	scaffold1278	NW_004516525.1	95459	TT	CC	CC	INTERGENIC		
SNP_62723B_95500	scaffold1278	NW_004516525.1	95500	AA	CC	CC	INTERGENIC		
SNP_62724B_95505	scaffold1278	NW_004516525.1	95505	AA	TT	TT	INTERGENIC		
SNP_62725B_95516	scaffold1278	NW_004516525.1	95516	TT	CC	CC	INTERGENIC		
SNP_62726B_95548	scaffold1278	NW_004516525.1	95548	TT	GG	GG	INTERGENIC		
SNP_62727B_95878	scaffold1278	NW_004516525.1	95878	AA	CC	CC	INTERGENIC		
SNP_62728B_95990	scaffold1278	NW_004516525.1	95990	AA	GG	GG	INTERGENIC		
SNP_62729B_99984	scaffold1278	NW_004516525.1	99984	AA	GG	GG	INTERGENIC		
SNP_62731B_1886	scaffold1281	NW_004516527.1	1886	TT	GG	GG	INTERGENIC		
SNP_62732B_46576	scaffold1281	NW_004516527.1	46576	CC	AA	AA	DRR	101501899	transcription factor GTE12-like
SNP_62733B_46768	scaffold1281	NW_004516527.1	46768	AA	GG	GG	DRR	101501899	transcription factor GTE12-like
SNP_62734B_46810	scaffold1281	NW_004516527.1	46810	GG	AA	AA	DRR	101501899	transcription factor GTE12-like
SNP_62735B_47382	scaffold1281	NW_004516527.1	47382	TT	CC	CC	DRR	101501899	transcription factor GTE12-like
SNP_62736B_48284	scaffold1281	NW_004516527.1	48284	GG	AA	AA	URR	101501899	transcription factor GTE12-like
SNP_62737B_51547	scaffold1281	NW_004516527.1	51547	GG	AA	AA	INTERGENIC		
SNP_62738B_51752	scaffold1281	NW_004516527.1	51752	AA	GG	GG	INTERGENIC		
SNP_62739B_51809	scaffold1281	NW_004516527.1	51809	CC	TT	TT	INTERGENIC		
SNP_62740B_52043	scaffold1281	NW_004516527.1	52043	CC	AA	AA	INTERGENIC		
SNP_62741B_63347	scaffold1281	NW_004516527.1	63347	CC	TT	TT	INTERGENIC		
SNP_62742B_118045	scaffold1281	NW_004516527.1	118045	AA	TT	TT	INTERGENIC		
SNP_62743B_118046	scaffold1281	NW_004516527.1	118046	AA	TT	TT	INTERGENIC		
SNP_62744B_118047	scaffold1281	NW_004516527.1	118047	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62745B_118053	scaffold1281	NW_004516527.1	118053	GG	AA	AA	INTERGENIC		
SNP_62746B_160415	scaffold1281	NW_004516527.1	160415	AA	GG	GG	URR	101502859	uncharacterized LOC101502859
SNP_62748B_166134	scaffold1281	NW_004516527.1	166134	AA	GG	GG	INTERGENIC		
SNP_62750B_308631	scaffold1281	NW_004516527.1	308631	GG	AA	AA	INTERGENIC		
SNP_62751B_376175	scaffold1281	NW_004516527.1	376175	CC	GG	GG	INTERGENIC		
SNP_62752B_376316	scaffold1281	NW_004516527.1	376316	GG	AA	AA	INTERGENIC		
SNP_62754B_376414	scaffold1281	NW_004516527.1	376414	CC	TT	TT	INTERGENIC		
SNP_62755B_376489	scaffold1281	NW_004516527.1	376489	AA	CC	CC	INTERGENIC		
SNP_62756B_376537	scaffold1281	NW_004516527.1	376537	GG	TT	TT	INTERGENIC		
SNP_62757B_414752	scaffold1281	NW_004516527.1	414752	TT	GG	GG	INTERGENIC		
SNP_62758B_467387	scaffold1281	NW_004516527.1	467387	AA	GG	GG	INTERGENIC		
SNP_62760B_470972	scaffold1281	NW_004516527.1	470972	AA	TT	TT	INTERGENIC		
SNP_62761B_471201	scaffold1281	NW_004516527.1	471201	CC	TT	TT	INTERGENIC		
SNP_62762B_471371	scaffold1281	NW_004516527.1	471371	CC	TT	TT	INTERGENIC		
SNP_62763B_471404	scaffold1281	NW_004516527.1	471404	GG	AA	AA	INTERGENIC		
SNP_62764B_471422	scaffold1281	NW_004516527.1	471422	AA	TT	TT	INTERGENIC		
SNP_62765B_471476	scaffold1281	NW_004516527.1	471476	CC	AA	AA	INTERGENIC		
SNP_62766B_471502	scaffold1281	NW_004516527.1	471502	TT	CC	CC	INTERGENIC		
SNP_62767B_471580	scaffold1281	NW_004516527.1	471580	TT	GG	GG	INTERGENIC		
SNP_62769B_471940	scaffold1281	NW_004516527.1	471940	AA	GG	GG	INTERGENIC		
SNP_62770B_472102	scaffold1281	NW_004516527.1	472102	TT	CC	CC	INTERGENIC		
SNP_62772B_492031	scaffold1281	NW_004516527.1	492031	AA	GG	GG	INTERGENIC		
SNP_62773B_492039	scaffold1281	NW_004516527.1	492039	AA	TT	TT	INTERGENIC		
SNP_62774B_492041	scaffold1281	NW_004516527.1	492041	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62775B_492128	scaffold1281	NW_004516527.1	492128	AA	GG	GG	INTERGENIC		
SNP_62776B_492145	scaffold1281	NW_004516527.1	492145	CC	GG	GG	INTERGENIC		
SNP_62778B_492369	scaffold1281	NW_004516527.1	492369	CC	AA	AA	INTERGENIC		
SNP_62779B_492375	scaffold1281	NW_004516527.1	492375	CC	AA	AA	INTERGENIC		
SNP_62780B_492386	scaffold1281	NW_004516527.1	492386	CC	GG	GG	INTERGENIC		
SNP_62781B_492389	scaffold1281	NW_004516527.1	492389	TT	CC	CC	INTERGENIC		
SNP_62782B_492402	scaffold1281	NW_004516527.1	492402	CC	GG	GG	INTERGENIC		
SNP_62783B_503796	scaffold1281	NW_004516527.1	503796	AA	CC	CC	INTERGENIC		
SNP_62784B_503894	scaffold1281	NW_004516527.1	503894	TT	CC	CC	INTERGENIC		
SNP_62785B_503919	scaffold1281	NW_004516527.1	503919	TT	CC	CC	INTERGENIC		
SNP_62786B_503957	scaffold1281	NW_004516527.1	503957	TT	GG	GG	INTERGENIC		
SNP_62787B_504024	scaffold1281	NW_004516527.1	504024	TT	GG	GG	INTERGENIC		
SNP_62788B_504098	scaffold1281	NW_004516527.1	504098	GG	TT	TT	INTERGENIC		
SNP_62789B_504107	scaffold1281	NW_004516527.1	504107	TT	CC	CC	INTERGENIC		
SNP_62790B_504115	scaffold1281	NW_004516527.1	504115	TT	CC	CC	INTERGENIC		
SNP_62791B_504138	scaffold1281	NW_004516527.1	504138	CC	TT	TT	INTERGENIC		
SNP_62792B_504281	scaffold1281	NW_004516527.1	504281	AA	CC	CC	INTERGENIC		
SNP_62793B_518052	scaffold1281	NW_004516527.1	518052	GG	AA	AA	INTERGENIC		
SNP_62794B_4166	scaffold1283	NW_004516528.1	4166	CC	AA	AA	INTERGENIC		
SNP_62795B_53816	scaffold1283	NW_004516528.1	53816	TT	AA	AA	INTERGENIC		
SNP_62796B_54000	scaffold1283	NW_004516528.1	54000	CC	GG	GG	INTERGENIC		
SNP_62797B_54191	scaffold1283	NW_004516528.1	54191	GG	TT	TT	INTERGENIC		
SNP_62798B_54204	scaffold1283	NW_004516528.1	54204	AA	GG	GG	INTERGENIC		
SNP_62799B_54217	scaffold1283	NW_004516528.1	54217	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62800B_67137	scaffold1285	NW_004516529.1	67137	AA	GG	GG	INTERGENIC		
SNP_62801B_67139	scaffold1285	NW_004516529.1	67139	TT	AA	AA	INTERGENIC		
SNP_62802B_67274	scaffold1285	NW_004516529.1	67274	TT	CC	CC	INTERGENIC		
SNP_62803B_67281	scaffold1285	NW_004516529.1	67281	AA	GG	GG	INTERGENIC		
SNP_62804B_67301	scaffold1285	NW_004516529.1	67301	AA	GG	GG	INTERGENIC		
SNP_62805B_67418	scaffold1285	NW_004516529.1	67418	TT	GG	GG	INTERGENIC		
SNP_62806B_67454	scaffold1285	NW_004516529.1	67454	TT	GG	GG	INTERGENIC		
SNP_62807B_67467	scaffold1285	NW_004516529.1	67467	AA	TT	TT	INTERGENIC		
SNP_62808B_67548	scaffold1285	NW_004516529.1	67548	TT	AA	AA	INTERGENIC		
SNP_62809B_67556	scaffold1285	NW_004516529.1	67556	AA	GG	GG	INTERGENIC		
SNP_62810B_67598	scaffold1285	NW_004516529.1	67598	GG	AA	AA	INTERGENIC		
SNP_62811B_67602	scaffold1285	NW_004516529.1	67602	AA	CC	CC	INTERGENIC		
SNP_62812B_67603	scaffold1285	NW_004516529.1	67603	TT	CC	CC	INTERGENIC		
SNP_62813B_67618	scaffold1285	NW_004516529.1	67618	AA	CC	CC	INTERGENIC		
SNP_62814B_67695	scaffold1285	NW_004516529.1	67695	TT	CC	CC	INTERGENIC		
SNP_62815B_99026	scaffold1285	NW_004516529.1	99026	AA	GG	GG	NON_SYNONYMOUS_CODING	101507902	Unknown function
SNP_62816B_154780	scaffold1285	NW_004516529.1	154780	TT	AA	AA	INTERGENIC		
SNP_62817B_160414	scaffold1285	NW_004516529.1	160414	GG	TT	TT	INTERGENIC		
SNP_62818B_199169	scaffold1285	NW_004516529.1	199169	AA	GG	GG	INTERGENIC		
SNP_62819B_202290	scaffold1285	NW_004516529.1	202290	GG	AA	AA	INTERGENIC		
SNP_62820B_204289	scaffold1285	NW_004516529.1	204289	AA	TT	TT	INTERGENIC		
SNP_62821B_204605	scaffold1285	NW_004516529.1	204605	CC	TT	TT	INTERGENIC		
SNP_62822B_210969	scaffold1285	NW_004516529.1	210969	AA	CC	CC	INTERGENIC		
SNP_62823B_210981	scaffold1285	NW_004516529.1	210981	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62824B_210992	scaffold1285	NW_004516529.1	210992	CC	TT	TT	INTERGENIC		
SNP_62825B_211052	scaffold1285	NW_004516529.1	211052	TT	GG	GG	INTERGENIC		
SNP_62826B_211059	scaffold1285	NW_004516529.1	211059	TT	CC	CC	INTERGENIC		
SNP_62827B_239631	scaffold1285	NW_004516529.1	239631	AA	GG	GG	URR	101508852	Unknown function
SNP_62828B_239666	scaffold1285	NW_004516529.1	239666	AA	CC	CC	URR	101508852	Unknown function
SNP_62829B_239869	scaffold1285	NW_004516529.1	239869	AA	CC	CC	URR	101508852	Unknown function
SNP_62830B_239884	scaffold1285	NW_004516529.1	239884	AA	GG	GG	URR	101508852	Unknown function
SNP_62831B_240298	scaffold1285	NW_004516529.1	240298	CC	TT	TT	INTERGENIC		
SNP_62832B_278487	scaffold1285	NW_004516529.1	278487	AA	GG	GG	INTERGENIC		
SNP_62833B_278501	scaffold1285	NW_004516529.1	278501	TT	GG	GG	INTERGENIC		
SNP_62834B_278506	scaffold1285	NW_004516529.1	278506	CC	TT	TT	INTERGENIC		
SNP_62835B_278535	scaffold1285	NW_004516529.1	278535	TT	AA	AA	INTERGENIC		
SNP_62836B_278887	scaffold1285	NW_004516529.1	278887	GG	TT	TT	INTERGENIC		
SNP_62837B_279049	scaffold1285	NW_004516529.1	279049	CC	TT	TT	INTERGENIC		
SNP_62838B_279057	scaffold1285	NW_004516529.1	279057	CC	AA	AA	INTERGENIC		
SNP_62839B_279058	scaffold1285	NW_004516529.1	279058	AA	GG	GG	INTERGENIC		
SNP_62840B_326725	scaffold1285	NW_004516529.1	326725	GG	AA	AA	INTERGENIC		
SNP_62841B_332169	scaffold1285	NW_004516529.1	332169	TT	CC	CC	INTERGENIC		
SNP_62842B_2249	scaffold1286	NW_004516530.1	2249	TT	CC	CC	INTERGENIC		
SNP_62843B_2491	scaffold1286	NW_004516530.1	2491	CC	TT	TT	INTERGENIC		
SNP_62844B_15429	scaffold1286	NW_004516530.1	15429	GG	TT	TT	INTERGENIC		
SNP_62845B_15455	scaffold1286	NW_004516530.1	15455	GG	CC	CC	INTERGENIC		
SNP_62846B_15547	scaffold1286	NW_004516530.1	15547	CC	TT	TT	INTERGENIC		
SNP_62847B_15559	scaffold1286	NW_004516530.1	15559	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62848B_15626	scaffold1286	NW_004516530.1	15626	CC	GG	GG	INTERGENIC		
SNP_62849B_15741	scaffold1286	NW_004516530.1	15741	AA	CC	CC	INTERGENIC		
SNP_62850B_15843	scaffold1286	NW_004516530.1	15843	TT	CC	CC	INTERGENIC		
SNP_62851B_15901	scaffold1286	NW_004516530.1	15901	TT	AA	AA	INTERGENIC		
SNP_62852B_16194	scaffold1286	NW_004516530.1	16194	TT	GG	GG	INTERGENIC		
SNP_62853B_16472	scaffold1286	NW_004516530.1	16472	GG	AA	AA	INTERGENIC		
SNP_62854B_64	scaffold1291	NW_004516533.1	64	AA	GG	GG	INTERGENIC		
SNP_62855B_65	scaffold1291	NW_004516533.1	65	AA	GG	GG	INTERGENIC		
SNP_62857B_8032	scaffold1292	NW_004516534.1	8032	TT	CC	CC	INTERGENIC		
SNP_62858B_8136	scaffold1292	NW_004516534.1	8136	AA	GG	GG	INTERGENIC		
SNP_62859B_8147	scaffold1292	NW_004516534.1	8147	TT	AA	AA	INTERGENIC		
SNP_62860B_8221	scaffold1292	NW_004516534.1	8221	TT	CC	CC	INTERGENIC		
SNP_62861B_8270	scaffold1292	NW_004516534.1	8270	TT	GG	GG	INTERGENIC		
SNP_62862B_44413	scaffold1293	NW_004516535.1	44413	AA	GG	GG	INTERGENIC		
SNP_62863B_44426	scaffold1293	NW_004516535.1	44426	TT	CC	CC	INTERGENIC		
SNP_62864B_44441	scaffold1293	NW_004516535.1	44441	TT	GG	GG	INTERGENIC		
SNP_62865B_44897	scaffold1293	NW_004516535.1	44897	GG	AA	AA	INTERGENIC		
SNP_62866B_67174	scaffold1293	NW_004516535.1	67174	CC	TT	TT	INTERGENIC		
SNP_62867B_67196	scaffold1293	NW_004516535.1	67196	CC	TT	TT	INTERGENIC		
SNP_62868B_67558	scaffold1293	NW_004516535.1	67558	TT	AA	AA	INTERGENIC		
SNP_62869B_68226	scaffold1293	NW_004516535.1	68226	GG	TT	TT	INTERGENIC		
SNP_62870B_68507	scaffold1293	NW_004516535.1	68507	AA	GG	GG	INTERGENIC		
SNP_62871B_68556	scaffold1293	NW_004516535.1	68556	AA	GG	GG	INTERGENIC		
SNP_62872B_71065	scaffold1293	NW_004516535.1	71065	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62873B_79139	scaffold1293	NW_004516535.1	79139	AA	TT	TT	INTERGENIC		
SNP_62874B_79161	scaffold1293	NW_004516535.1	79161	CC	GG	GG	INTERGENIC		
SNP_62875B_79234	scaffold1293	NW_004516535.1	79234	GG	CC	CC	INTERGENIC		
SNP_62876B_79330	scaffold1293	NW_004516535.1	79330	TT	AA	AA	INTERGENIC		
SNP_62877B_88022	scaffold1293	NW_004516535.1	88022	TT	AA	AA	INTERGENIC		
SNP_62878B_16436	scaffold1294	NW_004516536.1	16436	TT	GG	GG	INTERGENIC		
SNP_62879B_16760	scaffold1294	NW_004516536.1	16760	TT	CC	CC	INTERGENIC		
SNP_62880B_20741	scaffold1294	NW_004516536.1	20741	AA	GG	GG	INTERGENIC		
SNP_62881B_29749	scaffold1294	NW_004516536.1	29749	CC	GG	GG	INTERGENIC		
SNP_62882B_29815	scaffold1294	NW_004516536.1	29815	GG	TT	TT	INTERGENIC		
SNP_62883B_30021	scaffold1294	NW_004516536.1	30021	AA	TT	TT	INTERGENIC		
SNP_62884B_30087	scaffold1294	NW_004516536.1	30087	AA	TT	TT	INTERGENIC		
SNP_62885B_34328	scaffold1294	NW_004516536.1	34328	GG	CC	CC	INTERGENIC		
SNP_62886B_34350	scaffold1294	NW_004516536.1	34350	AA	TT	TT	INTERGENIC		
SNP_62887B_34458	scaffold1294	NW_004516536.1	34458	TT	CC	CC	INTERGENIC		
SNP_62888B_35084	scaffold1294	NW_004516536.1	35084	TT	GG	GG	INTERGENIC		
SNP_62889B_75392	scaffold1301_1	NW_004516538.1	75392	CC	TT	TT	INTERGENIC		
SNP_62890B_168707	scaffold1301_1	NW_004516538.1	168707	AA	GG	GG	INTERGENIC		
SNP_62891B_286850	scaffold1301_1	NW_004516538.1	286850	AA	GG	GG	INTERGENIC		
SNP_62892B_290781	scaffold1301_1	NW_004516538.1	290781	GG	AA	AA	INTERGENIC		
SNP_62893B_290783	scaffold1301_1	NW_004516538.1	290783	GG	AA	AA	INTERGENIC		
SNP_62894B_298989	scaffold1301_1	NW_004516538.1	298989	GG	AA	AA	INTERGENIC		
SNP_62895B_299022	scaffold1301_1	NW_004516538.1	299022	CC	TT	TT	INTERGENIC		
SNP_62896B_299198	scaffold1301_1	NW_004516538.1	299198	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62897B_299271	scaffold1301_1	NW_004516538.1	299271	TT	CC	CC	INTERGENIC		
SNP_62898B_299359	scaffold1301_1	NW_004516538.1	299359	AA	GG	GG	INTERGENIC		
SNP_62899B_299371	scaffold1301_1	NW_004516538.1	299371	TT	CC	CC	INTERGENIC		
SNP_62900B_299540	scaffold1301_1	NW_004516538.1	299540	GG	AA	AA	INTERGENIC		
SNP_62901B_299561	scaffold1301_1	NW_004516538.1	299561	TT	CC	CC	INTERGENIC		
SNP_62902B_299572	scaffold1301_1	NW_004516538.1	299572	AA	GG	GG	INTERGENIC		
SNP_62903B_307079	scaffold1301_1	NW_004516538.1	307079	AA	TT	TT	URR	101493190	Unknown function
SNP_62904B_1920	scaffold1302	NW_004516539.1	1920	TT	GG	GG	INTERGENIC		
SNP_62905B_5937	scaffold1303	NW_004516540.1	5937	CC	TT	TT	INTERGENIC		
SNP_62906B_277	scaffold1304	NW_004516541.1	277	TT	AA	AA	INTERGENIC		
SNP_62907B_360	scaffold1304	NW_004516541.1	360	AA	CC	CC	INTERGENIC		
SNP_62908B_5443	scaffold1307	NW_004516543.1	5443	AA	GG	GG	INTERGENIC		
SNP_62909B_5444	scaffold1307	NW_004516543.1	5444	TT	AA	AA	INTERGENIC		
SNP_62911B_10141	scaffold1307	NW_004516543.1	10141	TT	AA	AA	INTERGENIC		
SNP_62912B_10142	scaffold1307	NW_004516543.1	10142	AA	TT	TT	INTERGENIC		
SNP_62913B_10561	scaffold1307	NW_004516543.1	10561	AA	TT	TT	INTERGENIC		
SNP_62914B_20487	scaffold1307	NW_004516543.1	20487	TT	CC	CC	INTERGENIC		
SNP_62915B_24365	scaffold1307	NW_004516543.1	24365	TT	AA	AA	INTERGENIC		
SNP_62916B_34882	scaffold1307	NW_004516543.1	34882	GG	CC	CC	INTERGENIC		
SNP_62917B_34885	scaffold1307	NW_004516543.1	34885	AA	TT	TT	INTERGENIC		
SNP_62918B_34887	scaffold1307	NW_004516543.1	34887	TT	CC	CC	INTERGENIC		
SNP_62919B_34892	scaffold1307	NW_004516543.1	34892	GG	CC	CC	INTERGENIC		
SNP_62920B_34893	scaffold1307	NW_004516543.1	34893	AA	TT	TT	INTERGENIC		
SNP_62921B_34895	scaffold1307	NW_004516543.1	34895	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62922B_3398	scaffold1308	NW_004516544.1	3398	AA	TT	TT	INTERGENIC		
SNP_62923B_6265	scaffold1308	NW_004516544.1	6265	CC	TT	TT	INTERGENIC		
SNP_62924B_8949	scaffold1308	NW_004516544.1	8949	CC	TT	TT	INTERGENIC		
SNP_62925B_8950	scaffold1308	NW_004516544.1	8950	AA	TT	TT	INTERGENIC		
SNP_62926B_8973	scaffold1308	NW_004516544.1	8973	TT	CC	CC	INTERGENIC		
SNP_62927B_9033	scaffold1308	NW_004516544.1	9033	TT	AA	AA	INTERGENIC		
SNP_62928B_9357	scaffold1308	NW_004516544.1	9357	GG	AA	AA	INTERGENIC		
SNP_62929B_9667	scaffold1308	NW_004516544.1	9667	TT	CC	CC	INTERGENIC		
SNP_62930B_12655	scaffold1308	NW_004516544.1	12655	GG	TT	TT	INTERGENIC		
SNP_62931B_12666	scaffold1308	NW_004516544.1	12666	AA	TT	TT	INTERGENIC		
SNP_62932B_12669	scaffold1308	NW_004516544.1	12669	CC	AA	AA	INTERGENIC		
SNP_62933B_12671	scaffold1308	NW_004516544.1	12671	GG	AA	AA	INTERGENIC		
SNP_62935B_21694	scaffold1308	NW_004516544.1	21694	CC	TT	TT	INTERGENIC		
SNP_62936B_22171	scaffold1308	NW_004516544.1	22171	AA	GG	GG	INTERGENIC		
SNP_62937B_24216	scaffold1308	NW_004516544.1	24216	TT	CC	CC	INTERGENIC		
SNP_62938B_24555	scaffold1308	NW_004516544.1	24555	CC	AA	AA	INTERGENIC		
SNP_62939B_24559	scaffold1308	NW_004516544.1	24559	GG	TT	TT	INTERGENIC		
SNP_62940B_24592	scaffold1308	NW_004516544.1	24592	CC	TT	TT	INTERGENIC		
SNP_62941B_24622	scaffold1308	NW_004516544.1	24622	AA	TT	TT	INTERGENIC		
SNP_62942B_35268	scaffold1308	NW_004516544.1	35268	AA	GG	GG	INTERGENIC		
SNP_62943B_35419	scaffold1308	NW_004516544.1	35419	CC	TT	TT	INTERGENIC		
SNP_62944B_42160	scaffold1308	NW_004516544.1	42160	AA	GG	GG	INTERGENIC		
SNP_62945B_43282	scaffold1308	NW_004516544.1	43282	GG	CC	CC	INTERGENIC		
SNP_62946B_43931	scaffold1308	NW_004516544.1	43931	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62947B_43936	scaffold1308	NW_004516544.1	43936	TT	GG	GG	INTERGENIC		
SNP_62948B_45077	scaffold1308	NW_004516544.1	45077	TT	CC	CC	INTERGENIC		
SNP_62949B_55963	scaffold1308	NW_004516544.1	55963	TT	GG	GG	INTERGENIC		
SNP_62950B_55966	scaffold1308	NW_004516544.1	55966	CC	TT	TT	INTERGENIC		
SNP_62951B_55968	scaffold1308	NW_004516544.1	55968	GG	AA	AA	INTERGENIC		
SNP_62952B_55977	scaffold1308	NW_004516544.1	55977	CC	AA	AA	INTERGENIC		
SNP_62953B_55980	scaffold1308	NW_004516544.1	55980	GG	AA	AA	INTERGENIC		
SNP_62954B_55984	scaffold1308	NW_004516544.1	55984	GG	CC	CC	INTERGENIC		
SNP_62955B_55989	scaffold1308	NW_004516544.1	55989	AA	GG	GG	INTERGENIC		
SNP_62956B_56463	scaffold1308	NW_004516544.1	56463	GG	AA	AA	INTERGENIC		
SNP_62957B_57679	scaffold1308	NW_004516544.1	57679	GG	AA	AA	INTERGENIC		
SNP_62958B_57899	scaffold1308	NW_004516544.1	57899	TT	AA	AA	INTERGENIC		
SNP_62959B_59184	scaffold1308	NW_004516544.1	59184	GG	AA	AA	INTERGENIC		
SNP_62960B_65759	scaffold1308	NW_004516544.1	65759	AA	GG	GG	INTERGENIC		
SNP_62961B_65820	scaffold1308	NW_004516544.1	65820	CC	AA	AA	INTERGENIC		
SNP_62962B_65850	scaffold1308	NW_004516544.1	65850	AA	GG	GG	INTERGENIC		
SNP_62963B_66872	scaffold1308	NW_004516544.1	66872	AA	GG	GG	INTERGENIC		
SNP_62964B_78528	scaffold1308	NW_004516544.1	78528	CC	GG	GG	INTERGENIC		
SNP_62966B_87209	scaffold1308	NW_004516544.1	87209	TT	CC	CC	INTERGENIC		
SNP_62967B_87242	scaffold1308	NW_004516544.1	87242	GG	AA	AA	INTERGENIC		
SNP_62968B_87248	scaffold1308	NW_004516544.1	87248	GG	AA	AA	INTERGENIC		
SNP_62969B_87521	scaffold1308	NW_004516544.1	87521	TT	GG	GG	INTERGENIC		
SNP_62970B_87539	scaffold1308	NW_004516544.1	87539	AA	TT	CC	INTERGENIC		
SNP_62971B_87649	scaffold1308	NW_004516544.1	87649	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62972B_87763	scaffold1308	NW_004516544.1	87763	TT	CC	CC	INTERGENIC		
SNP_62973B_87795	scaffold1308	NW_004516544.1	87795	AA	CC	CC	INTERGENIC		
SNP_62974B_87806	scaffold1308	NW_004516544.1	87806	AA	CC	CC	INTERGENIC		
SNP_62975B_88541	scaffold1308	NW_004516544.1	88541	TT	CC	CC	INTERGENIC		
SNP_62976B_89232	scaffold1308	NW_004516544.1	89232	TT	CC	CC	INTERGENIC		
SNP_62977B_89234	scaffold1308	NW_004516544.1	89234	TT	AA	AA	INTERGENIC		
SNP_62978B_89396	scaffold1308	NW_004516544.1	89396	GG	TT	TT	INTERGENIC		
SNP_62979B_89400	scaffold1308	NW_004516544.1	89400	CC	TT	TT	INTERGENIC		
SNP_62980B_94596	scaffold1308	NW_004516544.1	94596	TT	GG	GG	INTERGENIC		
SNP_62981B_94807	scaffold1308	NW_004516544.1	94807	GG	CC	CC	INTERGENIC		
SNP_62982B_95314	scaffold1308	NW_004516544.1	95314	TT	GG	GG	INTERGENIC		
SNP_62983B_95864	scaffold1308	NW_004516544.1	95864	GG	TT	TT	INTERGENIC		
SNP_62984B_97151	scaffold1308	NW_004516544.1	97151	TT	CC	CC	INTERGENIC		
SNP_62985B_97510	scaffold1308	NW_004516544.1	97510	AA	GG	GG	INTERGENIC		
SNP_62986B_97675	scaffold1308	NW_004516544.1	97675	TT	AA	AA	INTERGENIC		
SNP_62987B_97856	scaffold1308	NW_004516544.1	97856	GG	CC	CC	INTERGENIC		
SNP_62988B_97897	scaffold1308	NW_004516544.1	97897	TT	GG	GG	INTERGENIC		
SNP_62989B_97952	scaffold1308	NW_004516544.1	97952	CC	GG	GG	INTERGENIC		
SNP_62990B_98002	scaffold1308	NW_004516544.1	98002	CC	GG	GG	INTERGENIC		
SNP_62991B_98007	scaffold1308	NW_004516544.1	98007	TT	AA	AA	INTERGENIC		
SNP_62992B_98104	scaffold1308	NW_004516544.1	98104	CC	TT	TT	INTERGENIC		
SNP_62994B_26542	scaffold1309	NW_004516545.1	26542	CC	TT	TT	INTERGENIC		
SNP_62995B_26766	scaffold1309	NW_004516545.1	26766	CC	AA	AA	INTERGENIC		
SNP_62996B_30164	scaffold1309	NW_004516545.1	30164	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_62998B_36114	scaffold1309	NW_004516545.1	36114	TT	CC	CC	INTERGENIC		
SNP_63000B_36274	scaffold1309	NW_004516545.1	36274	TT	AA	AA	INTERGENIC		
SNP_63001B_36298	scaffold1309	NW_004516545.1	36298	AA	GG	GG	INTERGENIC		
SNP_63002B_36409	scaffold1309	NW_004516545.1	36409	TT	CC	CC	INTERGENIC		
SNP_63003B_39692	scaffold1309	NW_004516545.1	39692	TT	GG	GG	INTERGENIC		
SNP_63004B_39801	scaffold1309	NW_004516545.1	39801	TT	CC	CC	INTERGENIC		
SNP_63005B_40127	scaffold1309	NW_004516545.1	40127	AA	CC	CC	INTERGENIC		
SNP_63006B_46951	scaffold1309	NW_004516545.1	46951	GG	AA	AA	INTERGENIC		
SNP_63007B_48630	scaffold1309	NW_004516545.1	48630	CC	AA	AA	INTERGENIC		
SNP_63008B_48917	scaffold1309	NW_004516545.1	48917	CC	TT	TT	INTERGENIC		
SNP_63009B_49425	scaffold1309	NW_004516545.1	49425	TT	CC	CC	INTERGENIC		
SNP_63010B_50267	scaffold1309	NW_004516545.1	50267	TT	GG	GG	INTERGENIC		
SNP_63012B_50888	scaffold1309	NW_004516545.1	50888	GG	TT	TT	INTERGENIC		
SNP_63013B_51035	scaffold1309	NW_004516545.1	51035	CC	TT	TT	INTERGENIC		
SNP_63014B_51177	scaffold1309	NW_004516545.1	51177	GG	AA	AA	INTERGENIC		
SNP_63015B_57218	scaffold1309	NW_004516545.1	57218	CC	GG	GG	INTERGENIC		
SNP_63016B_58063	scaffold1309	NW_004516545.1	58063	CC	TT	TT	INTERGENIC		
SNP_63018B_88860	scaffold1309	NW_004516545.1	88860	TT	AA	AA	URR	101495216	glycine-rich cell wall structural protein 1.8-like
SNP_63019B_89142	scaffold1309	NW_004516545.1	89142	TT	CC	CC	URR	101495216	glycine-rich cell wall structural protein 1.8-like
SNP_63020B_89154	scaffold1309	NW_004516545.1	89154	AA	GG	GG	URR	101495216	glycine-rich cell wall structural protein 1.8-like
SNP_63021B_90176	scaffold1309	NW_004516545.1	90176	TT	CC	CC	URR	101495216	glycine-rich cell wall structural protein 1.8-like
SNP_63022B_90254	scaffold1309	NW_004516545.1	90254	GG	AA	AA	URR	101495216	glycine-rich cell wall structural protein 1.8-like
SNP_63023B_90637	scaffold1309	NW_004516545.1	90637	GG	TT	TT	INTERGENIC		
SNP_63024B_58766	scaffold1312	NW_004516547.1	58766	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_63025B_59447	scaffold1312	NW_004516547.1	59447	GG	TT	TT	INTERGENIC		
SNP_63026B_64919	scaffold1312	NW_004516547.1	64919	TT	GG	GG	INTERGENIC		
SNP_63027B_65136	scaffold1312	NW_004516547.1	65136	GG	AA	AA	INTERGENIC		
SNP_63028B_65658	scaffold1312	NW_004516547.1	65658	TT	CC	CC	INTERGENIC		
SNP_63030B_66031	scaffold1312	NW_004516547.1	66031	CC	TT	TT	INTERGENIC		
SNP_63031B_66606	scaffold1312	NW_004516547.1	66606	AA	GG	GG	INTERGENIC		
SNP_63032B_67119	scaffold1312	NW_004516547.1	67119	AA	CC	CC	INTERGENIC		
SNP_63033B_68527	scaffold1312	NW_004516547.1	68527	GG	AA	AA	INTERGENIC		
SNP_63034B_69466	scaffold1312	NW_004516547.1	69466	GG	CC	CC	INTERGENIC		
SNP_63035B_69596	scaffold1312	NW_004516547.1	69596	GG	TT	TT	INTERGENIC		
SNP_63036B_72077	scaffold1312	NW_004516547.1	72077	CC	TT	TT	INTERGENIC		
SNP_63037B_73979	scaffold1312	NW_004516547.1	73979	AA	CC	CC	INTERGENIC		
SNP_63038B_74961	scaffold1312	NW_004516547.1	74961	GG	AA	AA	INTERGENIC		
SNP_63039B_75105	scaffold1312	NW_004516547.1	75105	AA	GG	GG	INTERGENIC		
SNP_63040B_75340	scaffold1312	NW_004516547.1	75340	GG	AA	AA	INTERGENIC		
SNP_63041B_75346	scaffold1312	NW_004516547.1	75346	AA	GG	GG	INTERGENIC		
SNP_63042B_75462	scaffold1312	NW_004516547.1	75462	GG	TT	TT	INTERGENIC		
SNP_63043B_75568	scaffold1312	NW_004516547.1	75568	CC	TT	TT	INTERGENIC		
SNP_63044B_75581	scaffold1312	NW_004516547.1	75581	AA	TT	TT	INTERGENIC		
SNP_63045B_76168	scaffold1312	NW_004516547.1	76168	AA	GG	GG	INTERGENIC		
SNP_63046B_76652	scaffold1312	NW_004516547.1	76652	CC	TT	TT	INTERGENIC		
SNP_63047B_78435	scaffold1312	NW_004516547.1	78435	GG	AA	AA	INTERGENIC		
SNP_63048B_78520	scaffold1312	NW_004516547.1	78520	TT	AA	AA	INTERGENIC		
SNP_63049B_78625	scaffold1312	NW_004516547.1	78625	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_63050B_78629	scaffold1312	NW_004516547.1	78629	AA	GG	GG	INTERGENIC		
SNP_63052B_78775	scaffold1312	NW_004516547.1	78775	GG	AA	AA	INTERGENIC		
SNP_63056B_78980	scaffold1312	NW_004516547.1	78980	TT	CC	CC	INTERGENIC		
SNP_63057B_78991	scaffold1312	NW_004516547.1	78991	AA	GG	GG	INTERGENIC		
SNP_63058B_79155	scaffold1312	NW_004516547.1	79155	CC	TT	TT	INTERGENIC		
SNP_63059B_79226	scaffold1312	NW_004516547.1	79226	AA	TT	TT	INTERGENIC		
SNP_63060B_79260	scaffold1312	NW_004516547.1	79260	TT	CC	CC	INTERGENIC		
SNP_63061B_79280	scaffold1312	NW_004516547.1	79280	GG	TT	TT	INTERGENIC		
SNP_63062B_79666	scaffold1312	NW_004516547.1	79666	GG	AA	AA	INTERGENIC		
SNP_63063B_79682	scaffold1312	NW_004516547.1	79682	GG	AA	AA	INTERGENIC		
SNP_63064B_79698	scaffold1312	NW_004516547.1	79698	CC	AA	AA	INTERGENIC		
SNP_63065B_79733	scaffold1312	NW_004516547.1	79733	CC	AA	AA	INTERGENIC		
SNP_63066B_79764	scaffold1312	NW_004516547.1	79764	CC	TT	TT	INTERGENIC		
SNP_63067B_79824	scaffold1312	NW_004516547.1	79824	AA	GG	GG	INTERGENIC		
SNP_63068B_79842	scaffold1312	NW_004516547.1	79842	GG	AA	AA	INTERGENIC		
SNP_63069B_79901	scaffold1312	NW_004516547.1	79901	CC	TT	TT	INTERGENIC		
SNP_63070B_79959	scaffold1312	NW_004516547.1	79959	TT	CC	CC	INTERGENIC		
SNP_63071B_80007	scaffold1312	NW_004516547.1	80007	CC	TT	TT	INTERGENIC		
SNP_63072B_80061	scaffold1312	NW_004516547.1	80061	TT	GG	GG	INTERGENIC		
SNP_63073B_80259	scaffold1312	NW_004516547.1	80259	CC	AA	AA	INTERGENIC		
SNP_63074B_80287	scaffold1312	NW_004516547.1	80287	AA	CC	CC	INTERGENIC		
SNP_63075B_80350	scaffold1312	NW_004516547.1	80350	CC	TT	TT	INTERGENIC		
SNP_63076B_80372	scaffold1312	NW_004516547.1	80372	GG	AA	AA	INTERGENIC		
SNP_63077B_80394	scaffold1312	NW_004516547.1	80394	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_63078B_80499	scaffold1312	NW_004516547.1	80499	AA	TT	TT	INTERGENIC		
SNP_63080B_80593	scaffold1312	NW_004516547.1	80593	GG	AA	AA	INTERGENIC		
SNP_63081B_80716	scaffold1312	NW_004516547.1	80716	AA	GG	GG	INTERGENIC		
SNP_63082B_80955	scaffold1312	NW_004516547.1	80955	TT	CC	CC	INTERGENIC		
SNP_63083B_81003	scaffold1312	NW_004516547.1	81003	CC	TT	TT	INTERGENIC		
SNP_63084B_81067	scaffold1312	NW_004516547.1	81067	AA	CC	CC	INTERGENIC		
SNP_63085B_81081	scaffold1312	NW_004516547.1	81081	TT	CC	CC	INTERGENIC		
SNP_63086B_81389	scaffold1312	NW_004516547.1	81389	TT	GG	GG	INTERGENIC		
SNP_63087B_81450	scaffold1312	NW_004516547.1	81450	AA	GG	GG	INTERGENIC		
SNP_63088B_81469	scaffold1312	NW_004516547.1	81469	TT	AA	AA	INTERGENIC		
SNP_63089B_81590	scaffold1312	NW_004516547.1	81590	TT	CC	CC	INTERGENIC		
SNP_63090B_81727	scaffold1312	NW_004516547.1	81727	AA	GG	GG	INTERGENIC		
SNP_63091B_81751	scaffold1312	NW_004516547.1	81751	TT	CC	CC	INTERGENIC		
SNP_63092B_81898	scaffold1312	NW_004516547.1	81898	AA	GG	GG	INTERGENIC		
SNP_63093B_82002	scaffold1312	NW_004516547.1	82002	GG	AA	AA	INTERGENIC		
SNP_63094B_82003	scaffold1312	NW_004516547.1	82003	AA	GG	GG	INTERGENIC		
SNP_63095B_82188	scaffold1312	NW_004516547.1	82188	GG	AA	AA	INTERGENIC		
SNP_63096B_82276	scaffold1312	NW_004516547.1	82276	TT	CC	CC	INTERGENIC		
SNP_63097B_82277	scaffold1312	NW_004516547.1	82277	GG	AA	AA	INTERGENIC		
SNP_63098B_82296	scaffold1312	NW_004516547.1	82296	CC	TT	TT	INTERGENIC		
SNP_63099B_82323	scaffold1312	NW_004516547.1	82323	CC	TT	TT	INTERGENIC		
SNP_63100B_82356	scaffold1312	NW_004516547.1	82356	TT	CC	CC	INTERGENIC		
SNP_63101B_82369	scaffold1312	NW_004516547.1	82369	GG	AA	AA	INTERGENIC		
SNP_63102B_82524	scaffold1312	NW_004516547.1	82524	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_63103B_82525	scaffold1312	NW_004516547.1	82525	AA	CC	CC	INTERGENIC		
SNP_63104B_82588	scaffold1312	NW_004516547.1	82588	CC	GG	GG	INTERGENIC		
SNP_63105B_82616	scaffold1312	NW_004516547.1	82616	TT	CC	CC	INTERGENIC		
SNP_63106B_82627	scaffold1312	NW_004516547.1	82627	CC	TT	TT	INTERGENIC		
SNP_63107B_82637	scaffold1312	NW_004516547.1	82637	AA	TT	TT	INTERGENIC		
SNP_63108B_82769	scaffold1312	NW_004516547.1	82769	AA	TT	TT	INTERGENIC		
SNP_63109B_82845	scaffold1312	NW_004516547.1	82845	GG	AA	AA	INTERGENIC		
SNP_63110B_82959	scaffold1312	NW_004516547.1	82959	CC	AA	AA	INTERGENIC		
SNP_63111B_83001	scaffold1312	NW_004516547.1	83001	AA	GG	GG	INTERGENIC		
SNP_63112B_83177	scaffold1312	NW_004516547.1	83177	GG	AA	AA	INTERGENIC		
SNP_63113B_83302	scaffold1312	NW_004516547.1	83302	TT	CC	CC	INTERGENIC		
SNP_63114B_83443	scaffold1312	NW_004516547.1	83443	CC	TT	TT	INTERGENIC		
SNP_63115B_83462	scaffold1312	NW_004516547.1	83462	TT	CC	CC	INTERGENIC		
SNP_63116B_86106	scaffold1312	NW_004516547.1	86106	AA	GG	GG	INTERGENIC		
SNP_63117B_86278	scaffold1312	NW_004516547.1	86278	GG	AA	AA	INTERGENIC		
SNP_63118B_86353	scaffold1312	NW_004516547.1	86353	AA	TT	TT	INTERGENIC		
SNP_63119B_86383	scaffold1312	NW_004516547.1	86383	GG	AA	AA	INTERGENIC		
SNP_63120B_86432	scaffold1312	NW_004516547.1	86432	AA	GG	GG	INTERGENIC		
SNP_63121B_86525	scaffold1312	NW_004516547.1	86525	AA	GG	GG	INTERGENIC		
SNP_63122B_86738	scaffold1312	NW_004516547.1	86738	AA	TT	TT	INTERGENIC		
SNP_63123B_86772	scaffold1312	NW_004516547.1	86772	GG	CC	CC	INTERGENIC		
SNP_63124B_86834	scaffold1312	NW_004516547.1	86834	CC	TT	TT	INTERGENIC		
SNP_63125B_86843	scaffold1312	NW_004516547.1	86843	GG	AA	AA	INTERGENIC		
SNP_63126B_86974	scaffold1312	NW_004516547.1	86974	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_63127B_87071	scaffold1312	NW_004516547.1	87071	TT	GG	GG	INTERGENIC		
SNP_63128B_87148	scaffold1312	NW_004516547.1	87148	GG	TT	TT	INTERGENIC		
SNP_63129B_87208	scaffold1312	NW_004516547.1	87208	AA	CC	CC	INTERGENIC		
SNP_63130B_87216	scaffold1312	NW_004516547.1	87216	TT	CC	CC	INTERGENIC		
SNP_63131B_87401	scaffold1312	NW_004516547.1	87401	TT	AA	AA	INTERGENIC		
SNP_63132B_87420	scaffold1312	NW_004516547.1	87420	TT	CC	CC	INTERGENIC		
SNP_63133B_87451	scaffold1312	NW_004516547.1	87451	AA	GG	GG	INTERGENIC		
SNP_63134B_87477	scaffold1312	NW_004516547.1	87477	CC	TT	TT	INTERGENIC		
SNP_63135B_87550	scaffold1312	NW_004516547.1	87550	TT	AA	AA	INTERGENIC		
SNP_63136B_87645	scaffold1312	NW_004516547.1	87645	GG	AA	AA	INTERGENIC		
SNP_63137B_87750	scaffold1312	NW_004516547.1	87750	AA	GG	GG	INTERGENIC		
SNP_63138B_87752	scaffold1312	NW_004516547.1	87752	GG	CC	CC	INTERGENIC		
SNP_63139B_87807	scaffold1312	NW_004516547.1	87807	AA	GG	GG	INTERGENIC		
SNP_63140B_87845	scaffold1312	NW_004516547.1	87845	GG	TT	TT	INTERGENIC		
SNP_63141B_88539	scaffold1312	NW_004516547.1	88539	GG	AA	AA	INTERGENIC		
SNP_63142B_88551	scaffold1312	NW_004516547.1	88551	TT	AA	AA	INTERGENIC		
SNP_63143B_88763	scaffold1312	NW_004516547.1	88763	CC	TT	TT	INTERGENIC		
SNP_63144B_88778	scaffold1312	NW_004516547.1	88778	GG	TT	TT	INTERGENIC		
SNP_63145B_88809	scaffold1312	NW_004516547.1	88809	GG	TT	TT	INTERGENIC		
SNP_63146B_88931	scaffold1312	NW_004516547.1	88931	TT	AA	AA	INTERGENIC		
SNP_63147B_88944	scaffold1312	NW_004516547.1	88944	CC	TT	TT	INTERGENIC		
SNP_63148B_89201	scaffold1312	NW_004516547.1	89201	AA	CC	CC	INTERGENIC		
SNP_63149B_89251	scaffold1312	NW_004516547.1	89251	AA	TT	TT	INTERGENIC		
SNP_63150B_89333	scaffold1312	NW_004516547.1	89333	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_63152B_89728	scaffold1312	NW_004516547.1	89728	GG	TT	TT	INTERGENIC		
SNP_63154B_94521	scaffold1312	NW_004516547.1	94521	CC	AA	AA	INTERGENIC		
SNP_63155B_95678	scaffold1312	NW_004516547.1	95678	CC	TT	TT	INTERGENIC		
SNP_63156B_95843	scaffold1312	NW_004516547.1	95843	CC	TT	TT	INTERGENIC		
SNP_63157B_96428	scaffold1312	NW_004516547.1	96428	GG	CC	CC	INTERGENIC		
SNP_63158B_96434	scaffold1312	NW_004516547.1	96434	GG	TT	TT	INTERGENIC		
SNP_63159B_1341	scaffold1313	NW_004516548.1	1341	TT	CC	CC	INTERGENIC		
SNP_63160B_1344	scaffold1313	NW_004516548.1	1344	AA	GG	GG	INTERGENIC		
SNP_63161B_43795	scaffold1313	NW_004516548.1	43795	CC	TT	TT	INTERGENIC		
SNP_63163B_47165	scaffold1313	NW_004516548.1	47165	TT	CC	CC	INTERGENIC		
SNP_63164B_102685	scaffold1313	NW_004516548.1	102685	AA	GG	GG	INTERGENIC		
SNP_63166B_103240	scaffold1313	NW_004516548.1	103240	TT	CC	CC	INTERGENIC		
SNP_63167B_103447	scaffold1313	NW_004516548.1	103447	CC	AA	AA	INTERGENIC		
SNP_63168B_103457	scaffold1313	NW_004516548.1	103457	CC	TT	TT	INTERGENIC		
SNP_63169B_103720	scaffold1313	NW_004516548.1	103720	AA	GG	GG	INTERGENIC		
SNP_63170B_117786	scaffold1313	NW_004516548.1	117786	CC	GG	GG	INTERGENIC		
SNP_63171B_117787	scaffold1313	NW_004516548.1	117787	CC	AA	AA	INTERGENIC		
SNP_63172B_117798	scaffold1313	NW_004516548.1	117798	AA	GG	GG	INTERGENIC		
SNP_63173B_117825	scaffold1313	NW_004516548.1	117825	AA	GG	GG	INTERGENIC		
SNP_63174B_117826	scaffold1313	NW_004516548.1	117826	TT	CC	CC	INTERGENIC		
SNP_63175B_117860	scaffold1313	NW_004516548.1	117860	CC	TT	TT	INTERGENIC		
SNP_63176B_117870	scaffold1313	NW_004516548.1	117870	AA	GG	GG	INTERGENIC		
SNP_63177B_117881	scaffold1313	NW_004516548.1	117881	CC	TT	TT	INTERGENIC		
SNP_63178B_117884	scaffold1313	NW_004516548.1	117884	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_63179B_117900	scaffold1313	NW_004516548.1	117900	TT	AA	AA	INTERGENIC		
SNP_63180B_117934	scaffold1313	NW_004516548.1	117934	TT	CC	CC	INTERGENIC		
SNP_63181B_117941	scaffold1313	NW_004516548.1	117941	AA	GG	GG	INTERGENIC		
SNP_63182B_117968	scaffold1313	NW_004516548.1	117968	CC	TT	TT	INTERGENIC		
SNP_63183B_117977	scaffold1313	NW_004516548.1	117977	CC	AA	AA	INTERGENIC		
SNP_63184B_132461	scaffold1313	NW_004516548.1	132461	TT	AA	AA	URR	101496954	Unknown function
SNP_63185B_133023	scaffold1313	NW_004516548.1	133023	TT	CC	CC	URR	101496954	Unknown function
SNP_63186B_133556	scaffold1313	NW_004516548.1	133556	TT	CC	CC	URR	101496954	Unknown function
SNP_63187B_133561	scaffold1313	NW_004516548.1	133561	GG	CC	CC	URR	101496954	Unknown function
SNP_63188B_133562	scaffold1313	NW_004516548.1	133562	AA	CC	CC	URR	101496954	Unknown function
SNP_63189B_133599	scaffold1313	NW_004516548.1	133599	AA	TT	TT	URR	101496954	Unknown function
SNP_63190B_133746	scaffold1313	NW_004516548.1	133746	TT	CC	CC	URR	101496954	Unknown function
SNP_63192B_133935	scaffold1313	NW_004516548.1	133935	TT	CC	CC	URR	101496954	Unknown function
SNP_63193B_138256	scaffold1313	NW_004516548.1	138256	CC	TT	TT	INTERGENIC		
SNP_63194B_158923	scaffold1313	NW_004516548.1	158923	GG	AA	AA	URR	101496749	uncharacterized LOC101496749
SNP_63195B_165273	scaffold1313	NW_004516548.1	165273	TT	CC	CC	INTERGENIC		
SNP_63196B_165289	scaffold1313	NW_004516548.1	165289	TT	CC	CC	INTERGENIC		
SNP_63197B_167246	scaffold1313	NW_004516548.1	167246	TT	GG	GG	INTERGENIC		
SNP_63198B_168031	scaffold1313	NW_004516548.1	168031	TT	CC	CC	INTERGENIC		
SNP_63199B_168844	scaffold1313	NW_004516548.1	168844	AA	CC	CC	INTERGENIC		
SNP_63200B_168899	scaffold1313	NW_004516548.1	168899	AA	CC	CC	INTERGENIC		
SNP_63201B_168928	scaffold1313	NW_004516548.1	168928	AA	CC	CC	INTERGENIC		
SNP_63202B_216483	scaffold1313	NW_004516548.1	216483	AA	GG	GG	INTERGENIC		
SNP_63203B_216950	scaffold1313	NW_004516548.1	216950	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_63204B_216965	scaffold1313	NW_004516548.1	216965	TT	GG	GG	INTERGENIC		
SNP_63205B_229501	scaffold1313	NW_004516548.1	229501	TT	AA	AA	INTERGENIC		
SNP_63206B_229523	scaffold1313	NW_004516548.1	229523	GG	TT	TT	INTERGENIC		
SNP_63207B_346	scaffold1314	NW_004516549.1	346	CC	GG	GG	INTERGENIC		
SNP_63208B_371	scaffold1314	NW_004516549.1	371	GG	AA	AA	INTERGENIC		
SNP_63209B_524	scaffold1314	NW_004516549.1	524	TT	GG	GG	INTERGENIC		
SNP_63210B_12984	scaffold1315	NW_004516550.1	12984	CC	AA	AA	INTERGENIC		
SNP_63211B_14487	scaffold1315	NW_004516550.1	14487	AA	GG	GG	INTERGENIC		
SNP_63212B_14544	scaffold1315	NW_004516550.1	14544	GG	AA	AA	INTERGENIC		
SNP_63213B_14779	scaffold1315	NW_004516550.1	14779	GG	AA	AA	INTERGENIC		
SNP_63214B_14820	scaffold1315	NW_004516550.1	14820	CC	TT	TT	INTERGENIC		
SNP_63215B_14827	scaffold1315	NW_004516550.1	14827	TT	GG	GG	INTERGENIC		
SNP_63216B_15389	scaffold1315	NW_004516550.1	15389	TT	CC	CC	INTERGENIC		
SNP_63217B_37551	scaffold1315	NW_004516550.1	37551	CC	TT	TT	INTERGENIC		
SNP_63218B_37558	scaffold1315	NW_004516550.1	37558	GG	AA	AA	INTERGENIC		
SNP_63219B_64194	scaffold1315	NW_004516550.1	64194	GG	AA	AA	INTERGENIC		
SNP_63220B_108277	scaffold1315	NW_004516550.1	108277	TT	CC	CC	INTERGENIC		
SNP_63221B_109036	scaffold1315	NW_004516550.1	109036	TT	CC	CC	INTERGENIC		
SNP_63223B_114802	scaffold1315	NW_004516550.1	114802	TT	GG	GG	INTERGENIC		
SNP_63224B_114813	scaffold1315	NW_004516550.1	114813	TT	CC	CC	INTERGENIC		
SNP_63225B_115048	scaffold1315	NW_004516550.1	115048	CC	TT	TT	INTERGENIC		
SNP_63226B_115057	scaffold1315	NW_004516550.1	115057	TT	CC	CC	INTERGENIC		
SNP_63227B_115206	scaffold1315	NW_004516550.1	115206	TT	AA	AA	INTERGENIC		
SNP_63228B_115235	scaffold1315	NW_004516550.1	115235	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_63229B_115284	scaffold1315	NW_004516550.1	115284	CC	TT	TT	INTERGENIC		
SNP_63230B_115305	scaffold1315	NW_004516550.1	115305	AA	TT	TT	INTERGENIC		
SNP_63231B_120490	scaffold1315	NW_004516550.1	120490	GG	AA	AA	INTERGENIC		
SNP_63232B_127678	scaffold1315	NW_004516550.1	127678	TT	GG	GG	INTERGENIC		
SNP_63233B_151243	scaffold1315	NW_004516550.1	151243	TT	GG	GG	URR	101497937	pentatricopeptide repeat-containing protein At1g12300, mitochondrial-like
SNP_63234B_151271	scaffold1315	NW_004516550.1	151271	CC	GG	GG	URR	101497937	pentatricopeptide repeat-containing protein At1g12300, mitochondrial-like
SNP_63235B_151455	scaffold1315	NW_004516550.1	151455	TT	AA	AA	URR	101497937	pentatricopeptide repeat-containing protein At1g12300, mitochondrial-like
SNP_63236B_151516	scaffold1315	NW_004516550.1	151516	TT	CC	CC	URR	101497937	pentatricopeptide repeat-containing protein At1g12300, mitochondrial-like
SNP_63237B_151531	scaffold1315	NW_004516550.1	151531	AA	TT	TT	URR	101497937	pentatricopeptide repeat-containing protein At1g12300, mitochondrial-like
SNP_63239B_151634	scaffold1315	NW_004516550.1	151634	GG	AA	AA	URR	101497937	pentatricopeptide repeat-containing protein At1g12300, mitochondrial-like
SNP_63240B_160078	scaffold1315	NW_004516550.1	160078	TT	CC	CC	DRR	101498261	pectinesterase/pectinesterase inhibitor-like
SNP_63241B_163466	scaffold1315	NW_004516550.1	163466	GG	AA	AA	URR	101498261	pectinesterase/pectinesterase inhibitor-like
SNP_63242B_163574	scaffold1315	NW_004516550.1	163574	GG	TT	TT	URR	101498261	pectinesterase/pectinesterase inhibitor-like
SNP_63243B_163601	scaffold1315	NW_004516550.1	163601	CC	TT	TT	URR	101498261	pectinesterase/pectinesterase inhibitor-like
SNP_63244B_163630	scaffold1315	NW_004516550.1	163630	TT	CC	CC	URR	101498261	pectinesterase/pectinesterase inhibitor-like
SNP_63245B_163659	scaffold1315	NW_004516550.1	163659	GG	AA	AA	URR	101498261	pectinesterase/pectinesterase inhibitor-like
SNP_63246B_169130	scaffold1315	NW_004516550.1	169130	AA	GG	GG	DRR	101498595	sugar carrier protein C-like
SNP_63247B_169140	scaffold1315	NW_004516550.1	169140	AA	CC	CC	DRR	101498595	sugar carrier protein C-like
SNP_63248B_169144	scaffold1315	NW_004516550.1	169144	AA	TT	TT	DRR	101498595	sugar carrier protein C-like
SNP_63249B_169467	scaffold1315	NW_004516550.1	169467	CC	AA	AA	DRR	101498595	sugar carrier protein C-like
SNP_63250B_169468	scaffold1315	NW_004516550.1	169468	AA	TT	TT	DRR	101498595	sugar carrier protein C-like
SNP_63251B_178579	scaffold1315	NW_004516550.1	178579	CC	AA	AA	INTERGENIC		
SNP_63252B_181360	scaffold1315	NW_004516550.1	181360	CC	TT	TT	INTERGENIC		
SNP_63254B_3852	scaffold1316	NW_004516551.1	3852	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_63256B_8009	scaffold1316	NW_004516551.1	8009	CC	TT	TT	INTERGENIC		
SNP_63257B_8402	scaffold1316	NW_004516551.1	8402	AA	TT	TT	INTERGENIC		
SNP_63258B_8475	scaffold1316	NW_004516551.1	8475	TT	GG	GG	INTERGENIC		
SNP_63259B_8666	scaffold1316	NW_004516551.1	8666	GG	AA	AA	INTERGENIC		
SNP_63260B_8676	scaffold1316	NW_004516551.1	8676	GG	AA	AA	INTERGENIC		
SNP_63261B_8686	scaffold1316	NW_004516551.1	8686	TT	CC	CC	INTERGENIC		
SNP_63262B_8972	scaffold1316	NW_004516551.1	8972	CC	TT	TT	INTERGENIC		
SNP_63263B_9806	scaffold1316	NW_004516551.1	9806	GG	AA	AA	INTERGENIC		
SNP_63264B_9928	scaffold1316	NW_004516551.1	9928	AA	GG	GG	INTERGENIC		
SNP_63265B_9992	scaffold1316	NW_004516551.1	9992	TT	CC	CC	INTERGENIC		
SNP_63266B_9995	scaffold1316	NW_004516551.1	9995	AA	GG	GG	INTERGENIC		
SNP_63267B_10484	scaffold1316	NW_004516551.1	10484	GG	AA	AA	INTERGENIC		
SNP_63268B_12837	scaffold1316	NW_004516551.1	12837	CC	GG	GG	INTERGENIC		
SNP_63270B_13614	scaffold1316	NW_004516551.1	13614	AA	GG	GG	INTERGENIC		
SNP_63271B_15694	scaffold1317	NW_004516552.1	15694	TT	CC	CC	INTERGENIC		
SNP_63272B_19446	scaffold1317	NW_004516552.1	19446	CC	TT	TT	INTERGENIC		
SNP_63274B_42917	scaffold1317	NW_004516552.1	42917	GG	TT	TT	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63275B_44373	scaffold1317	NW_004516552.1	44373	AA	GG	GG	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63276B_44390	scaffold1317	NW_004516552.1	44390	GG	TT	TT	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63277B_44523	scaffold1317	NW_004516552.1	44523	CC	TT	TT	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63278B_44527	scaffold1317	NW_004516552.1	44527	GG	AA	AA	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63279B_44748	scaffold1317	NW_004516552.1	44748	AA	GG	GG	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63280B_44787	scaffold1317	NW_004516552.1	44787	AA	GG	GG	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63281B_44802	scaffold1317	NW_004516552.1	44802	AA	GG	GG	INTRON	101499867	probable CCR4-associated factor 1 homolog 11

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_63282B_44832	scaffold1317	NW_004516552.1	44832	TT	GG	GG	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63283B_44880	scaffold1317	NW_004516552.1	44880	CC	AA	AA	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63285B_44950	scaffold1317	NW_004516552.1	44950	AA	GG	GG	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63286B_44951	scaffold1317	NW_004516552.1	44951	AA	GG	GG	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63287B_44952	scaffold1317	NW_004516552.1	44952	CC	AA	AA	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63288B_45012	scaffold1317	NW_004516552.1	45012	CC	TT	TT	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63289B_45067	scaffold1317	NW_004516552.1	45067	GG	CC	CC	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63290B_45142	scaffold1317	NW_004516552.1	45142	GG	AA	AA	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63292B_45170	scaffold1317	NW_004516552.1	45170	AA	GG	GG	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63293B_45223	scaffold1317	NW_004516552.1	45223	AA	GG	GG	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63294B_45227	scaffold1317	NW_004516552.1	45227	CC	TT	TT	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63295B_45245	scaffold1317	NW_004516552.1	45245	GG	TT	TT	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63296B_45261	scaffold1317	NW_004516552.1	45261	GG	CC	CC	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63297B_45266	scaffold1317	NW_004516552.1	45266	GG	AA	AA	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63298B_45283	scaffold1317	NW_004516552.1	45283	AA	CC	CC	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63299B_45304	scaffold1317	NW_004516552.1	45304	AA	GG	GG	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63300B_45416	scaffold1317	NW_004516552.1	45416	AA	GG	GG	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63301B_45457	scaffold1317	NW_004516552.1	45457	TT	CC	CC	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63302B_45528	scaffold1317	NW_004516552.1	45528	AA	GG	GG	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63303B_45561	scaffold1317	NW_004516552.1	45561	CC	TT	TT	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63304B_45852	scaffold1317	NW_004516552.1	45852	CC	AA	AA	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63305B_46041	scaffold1317	NW_004516552.1	46041	TT	GG	GG	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63306B_46237	scaffold1317	NW_004516552.1	46237	CC	TT	TT	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63309B_46417	scaffold1317	NW_004516552.1	46417	TT	GG	GG	INTRON	101499867	probable CCR4-associated factor 1 homolog 11

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_63310B_46455	scaffold1317	NW_004516552.1	46455	CC	TT	TT	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63311B_46483	scaffold1317	NW_004516552.1	46483	AA	CC	CC	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63312B_46489	scaffold1317	NW_004516552.1	46489	GG	AA	AA	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63313B_46550	scaffold1317	NW_004516552.1	46550	GG	TT	TT	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63314B_46551	scaffold1317	NW_004516552.1	46551	AA	GG	GG	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63315B_46553	scaffold1317	NW_004516552.1	46553	TT	AA	AA	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63316B_46567	scaffold1317	NW_004516552.1	46567	GG	AA	AA	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63318B_46621	scaffold1317	NW_004516552.1	46621	TT	AA	AA	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63319B_56291	scaffold1317	NW_004516552.1	56291	AA	GG	GG	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63320B_59382	scaffold1317	NW_004516552.1	59382	TT	CC	CC	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63321B_59708	scaffold1317	NW_004516552.1	59708	AA	GG	GG	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63322B_59830	scaffold1317	NW_004516552.1	59830	TT	GG	GG	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63323B_59899	scaffold1317	NW_004516552.1	59899	AA	GG	GG	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63324B_62935	scaffold1317	NW_004516552.1	62935	GG	AA	AA	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63325B_63218	scaffold1317	NW_004516552.1	63218	CC	AA	AA	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63326B_63232	scaffold1317	NW_004516552.1	63232	TT	CC	CC	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63327B_63268	scaffold1317	NW_004516552.1	63268	GG	AA	AA	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63328B_63283	scaffold1317	NW_004516552.1	63283	GG	AA	AA	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63329B_63290	scaffold1317	NW_004516552.1	63290	CC	TT	TT	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63330B_63297	scaffold1317	NW_004516552.1	63297	AA	CC	CC	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63331B_63335	scaffold1317	NW_004516552.1	63335	TT	CC	CC	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63332B_63369	scaffold1317	NW_004516552.1	63369	TT	CC	CC	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63333B_63406	scaffold1317	NW_004516552.1	63406	CC	TT	TT	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63334B_63420	scaffold1317	NW_004516552.1	63420	CC	GG	GG	INTRON	101499867	probable CCR4-associated factor 1 homolog 11

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_63335B_63454	scaffold1317	NW_004516552.1	63454	GG	CC	CC	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63336B_63508	scaffold1317	NW_004516552.1	63508	CC	TT	TT	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63337B_63509	scaffold1317	NW_004516552.1	63509	CC	TT	TT	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63338B_63590	scaffold1317	NW_004516552.1	63590	CC	TT	TT	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63339B_63593	scaffold1317	NW_004516552.1	63593	CC	TT	TT	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63340B_63595	scaffold1317	NW_004516552.1	63595	CC	TT	TT	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63341B_63603	scaffold1317	NW_004516552.1	63603	GG	AA	AA	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63342B_63658	scaffold1317	NW_004516552.1	63658	TT	AA	AA	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63343B_63720	scaffold1317	NW_004516552.1	63720	TT	CC	CC	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63344B_63814	scaffold1317	NW_004516552.1	63814	AA	CC	CC	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63345B_63901	scaffold1317	NW_004516552.1	63901	TT	CC	CC	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63346B_64742	scaffold1317	NW_004516552.1	64742	TT	GG	GG	INTRON	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63347B_66074	scaffold1317	NW_004516552.1	66074	CC	AA	AA	STOP_GAINED	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63348B_66092	scaffold1317	NW_004516552.1	66092	GG	TT	TT	SYNONYMOUS_CODING	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63349B_66599	scaffold1317	NW_004516552.1	66599	AA	GG	GG	STOP_LOST	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63350B_66704	scaffold1317	NW_004516552.1	66704	CC	AA	AA	STOP_GAINED	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63351B_66713	scaffold1317	NW_004516552.1	66713	GG	AA	AA	SYNONYMOUS_CODING	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63352B_68065	scaffold1317	NW_004516552.1	68065	CC	TT	TT	URR	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63354B_68438	scaffold1317	NW_004516552.1	68438	TT	AA	AA	URR	101499867	probable CCR4-associated factor 1 homolog 11
SNP_63355B_69278	scaffold1317	NW_004516552.1	69278	AA	GG	GG	INTERGENIC		
SNP_63356B_69475	scaffold1317	NW_004516552.1	69475	CC	TT	TT	INTERGENIC		
SNP_63357B_69491	scaffold1317	NW_004516552.1	69491	GG	AA	AA	INTERGENIC		
SNP_63358B_69631	scaffold1317	NW_004516552.1	69631	AA	CC	CC	INTERGENIC		
SNP_63359B_72720	scaffold1317	NW_004516552.1	72720	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_63360B_73091	scaffold1317	NW_004516552.1	73091	GG	AA	AA	INTERGENIC		
SNP_63361B_73292	scaffold1317	NW_004516552.1	73292	CC	TT	TT	INTERGENIC		
SNP_63362B_73698	scaffold1317	NW_004516552.1	73698	GG	AA	AA	INTERGENIC		
SNP_63363B_9544	scaffold1319	NW_004516553.1	9544	TT	CC	CC	INTERGENIC		
SNP_63364B_19834	scaffold1319	NW_004516553.1	19834	CC	GG	GG	INTERGENIC		
SNP_63365B_20000	scaffold1319	NW_004516553.1	20000	GG	AA	AA	INTERGENIC		
SNP_63366B_20345	scaffold1319	NW_004516553.1	20345	AA	GG	GG	INTERGENIC		
SNP_63367B_20349	scaffold1319	NW_004516553.1	20349	GG	AA	AA	INTERGENIC		
SNP_63368B_129	scaffold1320	NW_004516554.1	129	TT	CC	CC	INTERGENIC		
SNP_63369B_343	scaffold1320	NW_004516554.1	343	AA	TT	CC	INTERGENIC		
SNP_63370B_454	scaffold1320	NW_004516554.1	454	TT	GG	GG	INTERGENIC		
SNP_63371B_660	scaffold1320	NW_004516554.1	660	AA	CC	CC	INTERGENIC		
SNP_63372B_1029	scaffold1320	NW_004516554.1	1029	AA	TT	TT	INTERGENIC		
SNP_63373B_3294	scaffold1320	NW_004516554.1	3294	TT	CC	CC	INTERGENIC		
SNP_63374B_17259	scaffold1320	NW_004516554.1	17259	GG	AA	AA	INTERGENIC		
SNP_63375B_9113	scaffold1322	NW_004516556.1	9113	AA	CC	CC	INTERGENIC		
SNP_63376B_9116	scaffold1322	NW_004516556.1	9116	GG	AA	AA	INTERGENIC		
SNP_63377B_9201	scaffold1322	NW_004516556.1	9201	GG	TT	TT	INTERGENIC		
SNP_63378B_9608	scaffold1322	NW_004516556.1	9608	TT	GG	GG	INTERGENIC		
SNP_63379B_9711	scaffold1322	NW_004516556.1	9711	TT	CC	CC	INTERGENIC		
SNP_63381B_9820	scaffold1322	NW_004516556.1	9820	TT	AA	AA	INTERGENIC		
SNP_63382B_9936	scaffold1322	NW_004516556.1	9936	TT	AA	AA	INTERGENIC		
SNP_63383B_9990	scaffold1322	NW_004516556.1	9990	TT	AA	AA	INTERGENIC		
SNP_63384B_4585	scaffold1323	NW_004516557.1	4585	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_63385B_4610	scaffold1323	NW_004516557.1	4610	GG	TT	TT	INTERGENIC		
SNP_63386B_6001	scaffold1323	NW_004516557.1	6001	AA	CC	CC	INTERGENIC		
SNP_63387B_6002	scaffold1323	NW_004516557.1	6002	TT	AA	AA	INTERGENIC		
SNP_63388B_6007	scaffold1323	NW_004516557.1	6007	CC	TT	TT	INTERGENIC		
SNP_63389B_6052	scaffold1323	NW_004516557.1	6052	AA	TT	TT	INTERGENIC		
SNP_63390B_6055	scaffold1323	NW_004516557.1	6055	AA	GG	GG	INTERGENIC		
SNP_63391B_6194	scaffold1323	NW_004516557.1	6194	GG	TT	TT	INTERGENIC		
SNP_63392B_6195	scaffold1323	NW_004516557.1	6195	GG	AA	AA	INTERGENIC		
SNP_63393B_6558	scaffold1323	NW_004516557.1	6558	AA	GG	GG	INTERGENIC		
SNP_63395B_7623	scaffold1324	NW_004516558.1	7623	AA	CC	CC	INTERGENIC		
SNP_63397B_7982	scaffold1324	NW_004516558.1	7982	GG	AA	AA	INTERGENIC		
SNP_63398B_7995	scaffold1324	NW_004516558.1	7995	CC	AA	AA	INTERGENIC		
SNP_63399B_8021	scaffold1324	NW_004516558.1	8021	TT	CC	CC	INTERGENIC		
SNP_63400B_8043	scaffold1324	NW_004516558.1	8043	TT	AA	AA	INTERGENIC		
SNP_63401B_8044	scaffold1324	NW_004516558.1	8044	AA	GG	GG	INTERGENIC		
SNP_63402B_8085	scaffold1324	NW_004516558.1	8085	AA	CC	CC	INTERGENIC		
SNP_63403B_8088	scaffold1324	NW_004516558.1	8088	GG	TT	TT	INTERGENIC		
SNP_63404B_8141	scaffold1324	NW_004516558.1	8141	CC	TT	TT	INTERGENIC		
SNP_63405B_8147	scaffold1324	NW_004516558.1	8147	CC	TT	TT	INTERGENIC		
SNP_63406B_8163	scaffold1324	NW_004516558.1	8163	TT	CC	CC	INTERGENIC		
SNP_63407B_8178	scaffold1324	NW_004516558.1	8178	GG	TT	TT	INTERGENIC		
SNP_63408B_8192	scaffold1324	NW_004516558.1	8192	AA	TT	TT	INTERGENIC		
SNP_63409B_8195	scaffold1324	NW_004516558.1	8195	AA	TT	TT	INTERGENIC		
SNP_63410B_8221	scaffold1324	NW_004516558.1	8221	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_63411B_8231	scaffold1324	NW_004516558.1	8231	CC	AA	AA	INTERGENIC		
SNP_63412B_8232	scaffold1324	NW_004516558.1	8232	GG	AA	AA	INTERGENIC		
SNP_63414B_8527	scaffold1324	NW_004516558.1	8527	CC	TT	TT	INTERGENIC		
SNP_63415B_49635	scaffold1324	NW_004516558.1	49635	AA	TT	TT	URR	101500516	UPF0329 protein ECU05_1680/ECU11_0050-like
SNP_63416B_49941	scaffold1324	NW_004516558.1	49941	AA	TT	TT	URR	101500516	UPF0329 protein ECU05_1680/ECU11_0050-like
SNP_63417B_55885	scaffold1324	NW_004516558.1	55885	CC	TT	TT	INTERGENIC		
SNP_63418B_110340	scaffold1324	NW_004516558.1	110340	AA	GG	GG	INTERGENIC		
SNP_63420B_110502	scaffold1324	NW_004516558.1	110502	AA	TT	TT	INTERGENIC		
SNP_63421B_118959	scaffold1324	NW_004516558.1	118959	TT	GG	GG	INTERGENIC		
SNP_63422B_171122	scaffold1324	NW_004516558.1	171122	CC	AA	AA	INTERGENIC		
SNP_63423B_190522	scaffold1324	NW_004516558.1	190522	AA	GG	GG	INTERGENIC		
SNP_63424B_190590	scaffold1324	NW_004516558.1	190590	AA	CC	CC	INTERGENIC		
SNP_63425B_219371	scaffold1324	NW_004516558.1	219371	CC	AA	AA	INTERGENIC		
SNP_63426B_219384	scaffold1324	NW_004516558.1	219384	CC	TT	TT	INTERGENIC		
SNP_63427B_219401	scaffold1324	NW_004516558.1	219401	AA	GG	GG	INTERGENIC		
SNP_63428B_219569	scaffold1324	NW_004516558.1	219569	TT	AA	AA	INTERGENIC		
SNP_63429B_219706	scaffold1324	NW_004516558.1	219706	GG	TT	TT	INTERGENIC		
SNP_63430B_219881	scaffold1324	NW_004516558.1	219881	AA	GG	GG	INTERGENIC		
SNP_63431B_219913	scaffold1324	NW_004516558.1	219913	AA	CC	CC	INTERGENIC		
SNP_63432B_219934	scaffold1324	NW_004516558.1	219934	CC	AA	AA	INTERGENIC		
SNP_63433B_225724	scaffold1324	NW_004516558.1	225724	TT	AA	AA	INTERGENIC		
SNP_63434B_225726	scaffold1324	NW_004516558.1	225726	GG	TT	TT	INTERGENIC		
SNP_63435B_225761	scaffold1324	NW_004516558.1	225761	CC	TT	TT	INTERGENIC		
SNP_63436B_225774	scaffold1324	NW_004516558.1	225774	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_63437B_225896	scaffold1324	NW_004516558.1	225896	GG	AA	AA	INTERGENIC		
SNP_63438B_226001	scaffold1324	NW_004516558.1	226001	TT	GG	GG	INTERGENIC		
SNP_63439B_226076	scaffold1324	NW_004516558.1	226076	CC	TT	TT	INTERGENIC		
SNP_63440B_226086	scaffold1324	NW_004516558.1	226086	AA	TT	TT	INTERGENIC		
SNP_63441B_226409	scaffold1324	NW_004516558.1	226409	AA	CC	CC	INTERGENIC		
SNP_63442B_226444	scaffold1324	NW_004516558.1	226444	GG	AA	AA	INTERGENIC		
SNP_63443B_226975	scaffold1324	NW_004516558.1	226975	AA	GG	GG	INTERGENIC		
SNP_63444B_226980	scaffold1324	NW_004516558.1	226980	AA	GG	GG	INTERGENIC		
SNP_63445B_227036	scaffold1324	NW_004516558.1	227036	GG	AA	AA	INTERGENIC		
SNP_63446B_227049	scaffold1324	NW_004516558.1	227049	TT	CC	CC	INTERGENIC		
SNP_63447B_227067	scaffold1324	NW_004516558.1	227067	GG	AA	AA	INTERGENIC		
SNP_63448B_227312	scaffold1324	NW_004516558.1	227312	AA	GG	GG	INTERGENIC		
SNP_63450B_227409	scaffold1324	NW_004516558.1	227409	TT	GG	GG	INTERGENIC		
SNP_63451B_227425	scaffold1324	NW_004516558.1	227425	AA	CC	CC	INTERGENIC		
SNP_63452B_227535	scaffold1324	NW_004516558.1	227535	TT	AA	AA	INTERGENIC		
SNP_63453B_227536	scaffold1324	NW_004516558.1	227536	GG	TT	TT	INTERGENIC		
SNP_63454B_227664	scaffold1324	NW_004516558.1	227664	GG	AA	AA	INTERGENIC		
SNP_63455B_227843	scaffold1324	NW_004516558.1	227843	TT	CC	CC	INTERGENIC		
SNP_63456B_227893	scaffold1324	NW_004516558.1	227893	CC	TT	TT	INTERGENIC		
SNP_63457B_227964	scaffold1324	NW_004516558.1	227964	GG	AA	AA	INTERGENIC		
SNP_63458B_227978	scaffold1324	NW_004516558.1	227978	TT	AA	AA	INTERGENIC		
SNP_63459B_228328	scaffold1324	NW_004516558.1	228328	TT	GG	GG	DRR	101503387	Unknown function
SNP_63460B_228459	scaffold1324	NW_004516558.1	228459	AA	TT	TT	DRR	101503387	Unknown function
SNP_63461B_228536	scaffold1324	NW_004516558.1	228536	CC	AA	AA	DRR	101503387	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_63462B_228548	scaffold1324	NW_004516558.1	228548	AA	TT	TT	DRR	101503387	Unknown function
SNP_63463B_228679	scaffold1324	NW_004516558.1	228679	AA	GG	GG	DRR	101503387	Unknown function
SNP_63464B_228793	scaffold1324	NW_004516558.1	228793	GG	AA	AA	DRR	101503387	Unknown function
SNP_63465B_228868	scaffold1324	NW_004516558.1	228868	AA	GG	GG	DRR	101503387	Unknown function
SNP_63466B_234716	scaffold1324	NW_004516558.1	234716	TT	AA	AA	INTERGENIC		
SNP_63467B_234817	scaffold1324	NW_004516558.1	234817	CC	TT	TT	INTERGENIC		
SNP_63468B_234825	scaffold1324	NW_004516558.1	234825	AA	GG	GG	INTERGENIC		
SNP_63469B_235040	scaffold1324	NW_004516558.1	235040	TT	CC	CC	INTERGENIC		
SNP_63471B_235263	scaffold1324	NW_004516558.1	235263	CC	TT	TT	INTERGENIC		
SNP_63472B_235264	scaffold1324	NW_004516558.1	235264	AA	TT	TT	INTERGENIC		
SNP_63473B_235302	scaffold1324	NW_004516558.1	235302	CC	TT	TT	INTERGENIC		
SNP_63474B_235374	scaffold1324	NW_004516558.1	235374	TT	AA	AA	INTERGENIC		
SNP_63475B_235454	scaffold1324	NW_004516558.1	235454	TT	GG	GG	INTERGENIC		
SNP_63476B_235619	scaffold1324	NW_004516558.1	235619	AA	GG	GG	INTERGENIC		
SNP_63477B_236004	scaffold1324	NW_004516558.1	236004	GG	AA	AA	INTERGENIC		
SNP_63478B_236072	scaffold1324	NW_004516558.1	236072	AA	CC	CC	INTERGENIC		
SNP_63479B_236153	scaffold1324	NW_004516558.1	236153	AA	CC	CC	INTERGENIC		
SNP_63480B_236212	scaffold1324	NW_004516558.1	236212	GG	AA	AA	INTERGENIC		
SNP_63481B_236250	scaffold1324	NW_004516558.1	236250	AA	GG	GG	INTERGENIC		
SNP_63482B_236261	scaffold1324	NW_004516558.1	236261	GG	AA	AA	INTERGENIC		
SNP_63483B_236280	scaffold1324	NW_004516558.1	236280	TT	GG	GG	INTERGENIC		
SNP_63484B_236414	scaffold1324	NW_004516558.1	236414	GG	AA	AA	INTERGENIC		
SNP_63485B_236473	scaffold1324	NW_004516558.1	236473	GG	AA	AA	INTERGENIC		
SNP_63486B_236495	scaffold1324	NW_004516558.1	236495	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_63487B_236516	scaffold1324	NW_004516558.1	236516	CC	TT	TT	INTERGENIC		
SNP_63488B_236540	scaffold1324	NW_004516558.1	236540	AA	GG	GG	INTERGENIC		
SNP_63490B_236759	scaffold1324	NW_004516558.1	236759	AA	GG	GG	INTERGENIC		
SNP_63491B_236853	scaffold1324	NW_004516558.1	236853	GG	CC	CC	INTERGENIC		
SNP_63492B_236916	scaffold1324	NW_004516558.1	236916	TT	CC	CC	INTERGENIC		
SNP_63493B_237069	scaffold1324	NW_004516558.1	237069	AA	CC	CC	INTERGENIC		
SNP_63494B_237071	scaffold1324	NW_004516558.1	237071	CC	TT	TT	INTERGENIC		
SNP_63495B_237097	scaffold1324	NW_004516558.1	237097	AA	GG	GG	INTERGENIC		
SNP_63496B_237098	scaffold1324	NW_004516558.1	237098	TT	CC	CC	INTERGENIC		
SNP_63497B_237112	scaffold1324	NW_004516558.1	237112	TT	CC	CC	INTERGENIC		
SNP_63498B_237114	scaffold1324	NW_004516558.1	237114	GG	TT	TT	INTERGENIC		
SNP_63499B_237202	scaffold1324	NW_004516558.1	237202	GG	AA	AA	INTERGENIC		
SNP_63500B_237300	scaffold1324	NW_004516558.1	237300	AA	GG	GG	INTERGENIC		
SNP_63501B_237379	scaffold1324	NW_004516558.1	237379	TT	CC	CC	INTERGENIC		
SNP_63502B_237502	scaffold1324	NW_004516558.1	237502	CC	TT	TT	INTERGENIC		
SNP_63503B_237522	scaffold1324	NW_004516558.1	237522	GG	CC	CC	INTERGENIC		
SNP_63504B_237539	scaffold1324	NW_004516558.1	237539	TT	CC	CC	INTERGENIC		
SNP_63505B_237904	scaffold1324	NW_004516558.1	237904	AA	GG	GG	INTERGENIC		
SNP_63508B_238745	scaffold1324	NW_004516558.1	238745	CC	TT	TT	INTERGENIC		
SNP_63509B_238805	scaffold1324	NW_004516558.1	238805	CC	TT	TT	INTERGENIC		
SNP_63510B_238872	scaffold1324	NW_004516558.1	238872	GG	CC	CC	INTERGENIC		
SNP_63511B_238936	scaffold1324	NW_004516558.1	238936	AA	GG	GG	INTERGENIC		
SNP_63512B_238966	scaffold1324	NW_004516558.1	238966	TT	CC	CC	INTERGENIC		
SNP_63513B_238992	scaffold1324	NW_004516558.1	238992	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_63514B_239125	scaffold1324	NW_004516558.1	239125	GG	AA	AA	INTERGENIC		
SNP_63515B_239133	scaffold1324	NW_004516558.1	239133	TT	CC	CC	INTERGENIC		
SNP_63516B_239134	scaffold1324	NW_004516558.1	239134	GG	AA	AA	INTERGENIC		
SNP_63517B_239184	scaffold1324	NW_004516558.1	239184	GG	AA	AA	INTERGENIC		
SNP_63518B_239336	scaffold1324	NW_004516558.1	239336	GG	TT	TT	INTERGENIC		
SNP_63519B_239604	scaffold1324	NW_004516558.1	239604	AA	GG	GG	INTERGENIC		
SNP_63520B_239790	scaffold1324	NW_004516558.1	239790	GG	AA	AA	INTERGENIC		
SNP_63521B_239791	scaffold1324	NW_004516558.1	239791	TT	CC	CC	INTERGENIC		
SNP_63522B_240508	scaffold1324	NW_004516558.1	240508	AA	GG	GG	INTERGENIC		
SNP_63523B_240530	scaffold1324	NW_004516558.1	240530	CC	TT	TT	INTERGENIC		
SNP_63524B_240569	scaffold1324	NW_004516558.1	240569	TT	CC	CC	INTERGENIC		
SNP_63525B_240723	scaffold1324	NW_004516558.1	240723	CC	AA	AA	INTERGENIC		
SNP_63526B_240761	scaffold1324	NW_004516558.1	240761	TT	CC	CC	INTERGENIC		
SNP_63527B_240773	scaffold1324	NW_004516558.1	240773	TT	AA	AA	INTERGENIC		
SNP_63528B_241003	scaffold1324	NW_004516558.1	241003	TT	CC	CC	INTERGENIC		
SNP_63529B_241021	scaffold1324	NW_004516558.1	241021	AA	GG	GG	INTERGENIC		
SNP_63530B_241041	scaffold1324	NW_004516558.1	241041	TT	CC	CC	INTERGENIC		
SNP_63531B_241203	scaffold1324	NW_004516558.1	241203	TT	CC	CC	INTERGENIC		
SNP_63532B_241206	scaffold1324	NW_004516558.1	241206	TT	GG	GG	INTERGENIC		
SNP_63533B_241328	scaffold1324	NW_004516558.1	241328	TT	CC	CC	INTERGENIC		
SNP_63534B_241353	scaffold1324	NW_004516558.1	241353	AA	TT	TT	INTERGENIC		
SNP_63535B_241523	scaffold1324	NW_004516558.1	241523	TT	CC	CC	INTERGENIC		
SNP_63536B_241558	scaffold1324	NW_004516558.1	241558	CC	TT	TT	INTERGENIC		
SNP_63537B_241569	scaffold1324	NW_004516558.1	241569	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_63538B_241582	scaffold1324	NW_004516558.1	241582	GG	AA	AA	INTERGENIC		
SNP_63539B_241729	scaffold1324	NW_004516558.1	241729	CC	TT	TT	INTERGENIC		
SNP_63540B_241847	scaffold1324	NW_004516558.1	241847	CC	TT	TT	INTERGENIC		
SNP_63541B_241850	scaffold1324	NW_004516558.1	241850	TT	CC	CC	INTERGENIC		
SNP_63542B_241884	scaffold1324	NW_004516558.1	241884	GG	CC	CC	INTERGENIC		
SNP_63544B_247901	scaffold1324	NW_004516558.1	247901	CC	TT	TT	INTERGENIC		
SNP_63545B_248095	scaffold1324	NW_004516558.1	248095	TT	AA	AA	INTERGENIC		
SNP_63547B_252751	scaffold1324	NW_004516558.1	252751	CC	TT	TT	INTERGENIC		
SNP_63548B_252775	scaffold1324	NW_004516558.1	252775	AA	GG	GG	INTERGENIC		
SNP_63550B_252843	scaffold1324	NW_004516558.1	252843	AA	CC	CC	INTERGENIC		
SNP_63551B_253082	scaffold1324	NW_004516558.1	253082	TT	CC	CC	INTERGENIC		
SNP_63552B_253362	scaffold1324	NW_004516558.1	253362	TT	GG	GG	INTERGENIC		
SNP_63553B_253375	scaffold1324	NW_004516558.1	253375	CC	TT	TT	INTERGENIC		
SNP_63554B_253379	scaffold1324	NW_004516558.1	253379	GG	TT	TT	INTERGENIC		
SNP_63555B_253520	scaffold1324	NW_004516558.1	253520	CC	AA	AA	INTERGENIC		
SNP_63556B_253608	scaffold1324	NW_004516558.1	253608	AA	GG	GG	INTERGENIC		
SNP_63557B_253611	scaffold1324	NW_004516558.1	253611	CC	AA	AA	INTERGENIC		
SNP_63559B_253796	scaffold1324	NW_004516558.1	253796	AA	TT	TT	INTERGENIC		
SNP_63560B_253985	scaffold1324	NW_004516558.1	253985	TT	GG	GG	INTERGENIC		
SNP_63561B_254034	scaffold1324	NW_004516558.1	254034	TT	CC	CC	INTERGENIC		
SNP_63562B_254050	scaffold1324	NW_004516558.1	254050	CC	AA	AA	INTERGENIC		
SNP_63563B_254052	scaffold1324	NW_004516558.1	254052	AA	TT	TT	INTERGENIC		
SNP_63564B_254078	scaffold1324	NW_004516558.1	254078	AA	TT	TT	INTERGENIC		
SNP_63565B_254079	scaffold1324	NW_004516558.1	254079	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_63566B_254945	scaffold1324	NW_004516558.1	254945	AA	GG	GG	INTERGENIC		
SNP_63567B_255028	scaffold1324	NW_004516558.1	255028	CC	AA	AA	INTERGENIC		
SNP_63568B_255090	scaffold1324	NW_004516558.1	255090	AA	TT	TT	INTERGENIC		
SNP_63569B_255279	scaffold1324	NW_004516558.1	255279	GG	TT	TT	INTERGENIC		
SNP_63570B_255579	scaffold1324	NW_004516558.1	255579	GG	AA	AA	INTERGENIC		
SNP_63571B_255580	scaffold1324	NW_004516558.1	255580	GG	TT	TT	INTERGENIC		
SNP_63572B_255591	scaffold1324	NW_004516558.1	255591	CC	GG	GG	INTERGENIC		
SNP_63574B_255687	scaffold1324	NW_004516558.1	255687	AA	GG	GG	INTERGENIC		
SNP_63575B_255734	scaffold1324	NW_004516558.1	255734	AA	GG	GG	INTERGENIC		
SNP_63576B_255774	scaffold1324	NW_004516558.1	255774	CC	TT	TT	INTERGENIC		
SNP_63577B_255787	scaffold1324	NW_004516558.1	255787	GG	TT	TT	INTERGENIC		
SNP_63579B_255878	scaffold1324	NW_004516558.1	255878	GG	TT	TT	INTERGENIC		
SNP_63581B_256014	scaffold1324	NW_004516558.1	256014	AA	GG	GG	INTERGENIC		
SNP_63582B_256050	scaffold1324	NW_004516558.1	256050	TT	CC	CC	INTERGENIC		
SNP_63583B_256158	scaffold1324	NW_004516558.1	256158	AA	GG	GG	INTERGENIC		
SNP_63584B_256209	scaffold1324	NW_004516558.1	256209	GG	CC	CC	INTERGENIC		
SNP_63585B_256211	scaffold1324	NW_004516558.1	256211	AA	TT	TT	INTERGENIC		
SNP_63586B_256277	scaffold1324	NW_004516558.1	256277	TT	GG	GG	INTERGENIC		
SNP_63588B_256352	scaffold1324	NW_004516558.1	256352	AA	GG	GG	INTERGENIC		
SNP_63589B_256403	scaffold1324	NW_004516558.1	256403	AA	TT	TT	INTERGENIC		
SNP_63590B_256425	scaffold1324	NW_004516558.1	256425	GG	AA	AA	INTERGENIC		
SNP_63591B_256503	scaffold1324	NW_004516558.1	256503	AA	GG	GG	INTERGENIC		
SNP_63592B_256610	scaffold1324	NW_004516558.1	256610	TT	CC	CC	INTERGENIC		
SNP_63593B_265912	scaffold1324	NW_004516558.1	265912	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_63594B_266088	scaffold1324	NW_004516558.1	266088	CC	TT	TT	INTERGENIC		
SNP_63596B_266150	scaffold1324	NW_004516558.1	266150	AA	CC	CC	INTERGENIC		
SNP_63597B_266152	scaffold1324	NW_004516558.1	266152	CC	TT	TT	INTERGENIC		
SNP_63598B_266169	scaffold1324	NW_004516558.1	266169	AA	GG	GG	INTERGENIC		
SNP_63599B_266309	scaffold1324	NW_004516558.1	266309	TT	AA	AA	INTERGENIC		
SNP_63600B_266386	scaffold1324	NW_004516558.1	266386	GG	TT	TT	INTERGENIC		
SNP_63601B_266658	scaffold1324	NW_004516558.1	266658	CC	TT	TT	INTERGENIC		
SNP_63603B_266786	scaffold1324	NW_004516558.1	266786	TT	CC	CC	INTERGENIC		
SNP_63604B_266787	scaffold1324	NW_004516558.1	266787	GG	AA	AA	INTERGENIC		
SNP_63606B_266850	scaffold1324	NW_004516558.1	266850	TT	GG	GG	INTERGENIC		
SNP_63607B_266875	scaffold1324	NW_004516558.1	266875	AA	GG	GG	INTERGENIC		
SNP_63608B_266930	scaffold1324	NW_004516558.1	266930	TT	CC	CC	INTERGENIC		
SNP_63609B_267002	scaffold1324	NW_004516558.1	267002	GG	CC	CC	INTERGENIC		
SNP_63610B_267023	scaffold1324	NW_004516558.1	267023	CC	TT	TT	INTERGENIC		
SNP_63611B_267072	scaffold1324	NW_004516558.1	267072	TT	CC	CC	INTERGENIC		
SNP_63612B_267182	scaffold1324	NW_004516558.1	267182	AA	TT	TT	INTERGENIC		
SNP_63613B_267692	scaffold1324	NW_004516558.1	267692	AA	CC	CC	INTERGENIC		
SNP_63614B_267814	scaffold1324	NW_004516558.1	267814	AA	GG	GG	INTERGENIC		
SNP_63615B_267864	scaffold1324	NW_004516558.1	267864	TT	CC	CC	INTERGENIC		
SNP_63616B_267874	scaffold1324	NW_004516558.1	267874	GG	AA	AA	INTERGENIC		
SNP_63617B_267967	scaffold1324	NW_004516558.1	267967	GG	AA	AA	INTERGENIC		
SNP_63619B_268245	scaffold1324	NW_004516558.1	268245	TT	AA	AA	INTERGENIC		
SNP_63620B_268324	scaffold1324	NW_004516558.1	268324	GG	TT	TT	INTERGENIC		
SNP_63621B_268674	scaffold1324	NW_004516558.1	268674	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_63622B_268786	scaffold1324	NW_004516558.1	268786	GG	AA	AA	INTERGENIC		
SNP_63623B_268868	scaffold1324	NW_004516558.1	268868	AA	GG	GG	INTERGENIC		
SNP_63624B_268904	scaffold1324	NW_004516558.1	268904	TT	CC	CC	INTERGENIC		
SNP_63625B_268926	scaffold1324	NW_004516558.1	268926	TT	CC	CC	INTERGENIC		
SNP_63626B_268984	scaffold1324	NW_004516558.1	268984	GG	TT	TT	INTERGENIC		
SNP_63627B_269083	scaffold1324	NW_004516558.1	269083	AA	GG	GG	INTERGENIC		
SNP_63628B_269150	scaffold1324	NW_004516558.1	269150	CC	TT	TT	INTERGENIC		
SNP_63629B_269325	scaffold1324	NW_004516558.1	269325	GG	AA	AA	INTERGENIC		
SNP_63630B_269469	scaffold1324	NW_004516558.1	269469	CC	GG	GG	INTERGENIC		
SNP_63631B_269999	scaffold1324	NW_004516558.1	269999	CC	TT	TT	INTERGENIC		
SNP_63632B_270055	scaffold1324	NW_004516558.1	270055	TT	AA	AA	INTERGENIC		
SNP_63633B_270059	scaffold1324	NW_004516558.1	270059	TT	GG	GG	INTERGENIC		
SNP_63634B_270140	scaffold1324	NW_004516558.1	270140	CC	GG	GG	INTERGENIC		
SNP_63635B_270172	scaffold1324	NW_004516558.1	270172	AA	GG	GG	INTERGENIC		
SNP_63636B_270197	scaffold1324	NW_004516558.1	270197	AA	TT	TT	INTERGENIC		
SNP_63637B_270316	scaffold1324	NW_004516558.1	270316	GG	AA	AA	INTERGENIC		
SNP_63638B_270334	scaffold1324	NW_004516558.1	270334	CC	TT	TT	INTERGENIC		
SNP_63639B_270393	scaffold1324	NW_004516558.1	270393	GG	AA	AA	INTERGENIC		
SNP_63640B_270398	scaffold1324	NW_004516558.1	270398	CC	AA	AA	INTERGENIC		
SNP_63641B_270429	scaffold1324	NW_004516558.1	270429	CC	TT	TT	INTERGENIC		
SNP_63642B_270448	scaffold1324	NW_004516558.1	270448	TT	GG	GG	INTERGENIC		
SNP_63643B_270488	scaffold1324	NW_004516558.1	270488	TT	CC	CC	INTERGENIC		
SNP_63644B_270560	scaffold1324	NW_004516558.1	270560	TT	AA	AA	INTERGENIC		
SNP_63645B_270565	scaffold1324	NW_004516558.1	270565	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_63646B_270627	scaffold1324	NW_004516558.1	270627	CC	TT	TT	INTERGENIC		
SNP_63647B_270657	scaffold1324	NW_004516558.1	270657	TT	CC	CC	INTERGENIC		
SNP_63648B_270664	scaffold1324	NW_004516558.1	270664	GG	AA	AA	INTERGENIC		
SNP_63649B_270771	scaffold1324	NW_004516558.1	270771	TT	AA	AA	INTERGENIC		
SNP_63650B_270772	scaffold1324	NW_004516558.1	270772	GG	CC	CC	INTERGENIC		
SNP_63651B_270778	scaffold1324	NW_004516558.1	270778	TT	CC	CC	INTERGENIC		
SNP_63653B_270896	scaffold1324	NW_004516558.1	270896	TT	CC	CC	INTERGENIC		
SNP_63654B_271002	scaffold1324	NW_004516558.1	271002	CC	TT	TT	INTERGENIC		
SNP_63655B_271004	scaffold1324	NW_004516558.1	271004	TT	CC	CC	INTERGENIC		
SNP_63656B_271281	scaffold1324	NW_004516558.1	271281	AA	GG	GG	INTERGENIC		
SNP_63657B_271299	scaffold1324	NW_004516558.1	271299	TT	GG	GG	INTERGENIC		
SNP_63658B_271448	scaffold1324	NW_004516558.1	271448	AA	TT	TT	INTERGENIC		
SNP_63659B_271450	scaffold1324	NW_004516558.1	271450	CC	TT	TT	INTERGENIC		
SNP_63660B_271496	scaffold1324	NW_004516558.1	271496	CC	GG	GG	INTERGENIC		
SNP_63661B_271521	scaffold1324	NW_004516558.1	271521	GG	TT	TT	INTERGENIC		
SNP_63662B_271584	scaffold1324	NW_004516558.1	271584	AA	GG	GG	INTERGENIC		
SNP_63663B_271730	scaffold1324	NW_004516558.1	271730	TT	CC	CC	INTERGENIC		
SNP_63664B_271787	scaffold1324	NW_004516558.1	271787	GG	AA	AA	INTERGENIC		
SNP_63665B_271820	scaffold1324	NW_004516558.1	271820	CC	TT	TT	INTERGENIC		
SNP_63668B_272168	scaffold1324	NW_004516558.1	272168	CC	TT	TT	INTERGENIC		
SNP_63669B_272246	scaffold1324	NW_004516558.1	272246	GG	AA	AA	INTERGENIC		
SNP_63670B_272252	scaffold1324	NW_004516558.1	272252	TT	CC	CC	INTERGENIC		
SNP_63671B_272292	scaffold1324	NW_004516558.1	272292	TT	CC	CC	INTERGENIC		
SNP_63672B_272326	scaffold1324	NW_004516558.1	272326	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_63673B_272332	scaffold1324	NW_004516558.1	272332	TT	CC	CC	INTERGENIC		
SNP_63674B_272392	scaffold1324	NW_004516558.1	272392	CC	TT	TT	INTERGENIC		
SNP_63675B_272447	scaffold1324	NW_004516558.1	272447	CC	AA	AA	INTERGENIC		
SNP_63676B_272463	scaffold1324	NW_004516558.1	272463	GG	AA	AA	INTERGENIC		
SNP_63678B_272856	scaffold1324	NW_004516558.1	272856	TT	CC	CC	INTERGENIC		
SNP_63679B_272878	scaffold1324	NW_004516558.1	272878	AA	CC	CC	INTERGENIC		
SNP_63680B_272879	scaffold1324	NW_004516558.1	272879	AA	CC	CC	INTERGENIC		
SNP_63681B_272943	scaffold1324	NW_004516558.1	272943	CC	TT	TT	INTERGENIC		
SNP_63682B_272988	scaffold1324	NW_004516558.1	272988	GG	AA	AA	INTERGENIC		
SNP_63683B_272993	scaffold1324	NW_004516558.1	272993	CC	AA	AA	INTERGENIC		
SNP_63684B_273017	scaffold1324	NW_004516558.1	273017	CC	AA	AA	INTERGENIC		
SNP_63685B_273045	scaffold1324	NW_004516558.1	273045	AA	CC	CC	INTERGENIC		
SNP_63686B_273567	scaffold1324	NW_004516558.1	273567	AA	GG	GG	INTERGENIC		
SNP_63687B_273584	scaffold1324	NW_004516558.1	273584	AA	TT	TT	INTERGENIC		
SNP_63688B_273586	scaffold1324	NW_004516558.1	273586	AA	TT	TT	INTERGENIC		
SNP_63689B_273600	scaffold1324	NW_004516558.1	273600	AA	CC	CC	INTERGENIC		
SNP_63690B_273608	scaffold1324	NW_004516558.1	273608	AA	GG	GG	INTERGENIC		
SNP_63691B_279326	scaffold1324	NW_004516558.1	279326	CC	TT	TT	DRR	101504794	F-box/LRR-repeat protein At4g14103-like
SNP_63693B_279367	scaffold1324	NW_004516558.1	279367	TT	GG	GG	INTERGENIC		
SNP_63694B_362478	scaffold1324	NW_004516558.1	362478	AA	GG	GG	SYNONYMOUS_CODING	101512938	pentatricopeptide repeat-containing protein At1g62910-like
SNP_63695B_485832	scaffold1324	NW_004516558.1	485832	CC	GG	GG	DRR	101507903	CEN-like protein 1
SNP_63696B_505106	scaffold1324	NW_004516558.1	505106	CC	AA	AA	INTERGENIC		
SNP_63697B_506539	scaffold1324	NW_004516558.1	506539	AA	GG	GG	INTERGENIC		
SNP_63698B_514259	scaffold1324	NW_004516558.1	514259	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_63699B_514268	scaffold1324	NW_004516558.1	514268	GG	AA	AA	INTERGENIC		
SNP_63700B_514269	scaffold1324	NW_004516558.1	514269	AA	GG	GG	INTERGENIC		
SNP_63701B_514344	scaffold1324	NW_004516558.1	514344	TT	CC	CC	INTERGENIC		
SNP_63702B_514709	scaffold1324	NW_004516558.1	514709	TT	AA	GG	INTERGENIC		
SNP_63705B_539215	scaffold1324	NW_004516558.1	539215	CC	TT	TT	INTERGENIC		
SNP_63706B_543545	scaffold1324	NW_004516558.1	543545	GG	AA	AA	INTERGENIC		
SNP_63707B_576946	scaffold1324	NW_004516558.1	576946	TT	GG	GG	INTERGENIC		
SNP_63708B_630416	scaffold1324	NW_004516558.1	630416	AA	GG	GG	INTERGENIC		
SNP_63709B_630435	scaffold1324	NW_004516558.1	630435	TT	GG	GG	INTERGENIC		
SNP_63710B_642296	scaffold1324	NW_004516558.1	642296	CC	GG	GG	INTERGENIC		
SNP_63711B_642345	scaffold1324	NW_004516558.1	642345	CC	TT	TT	INTERGENIC		
SNP_63713B_642644	scaffold1324	NW_004516558.1	642644	AA	GG	GG	INTERGENIC		
SNP_63714B_642755	scaffold1324	NW_004516558.1	642755	AA	GG	GG	INTERGENIC		
SNP_63716B_32862	scaffold1327	NW_004516560.1	32862	TT	CC	CC	INTERGENIC		
SNP_63717B_33415	scaffold1327	NW_004516560.1	33415	CC	AA	AA	INTERGENIC		
SNP_63718B_33422	scaffold1327	NW_004516560.1	33422	GG	TT	TT	INTERGENIC		
SNP_63719B_33438	scaffold1327	NW_004516560.1	33438	TT	CC	CC	INTERGENIC		
SNP_63720B_33443	scaffold1327	NW_004516560.1	33443	CC	AA	AA	INTERGENIC		
SNP_63721B_33455	scaffold1327	NW_004516560.1	33455	TT	CC	CC	INTERGENIC		
SNP_63722B_33560	scaffold1327	NW_004516560.1	33560	GG	TT	TT	INTERGENIC		
SNP_63723B_39905	scaffold1327	NW_004516560.1	39905	GG	AA	AA	INTERGENIC		
SNP_63724B_40100	scaffold1327	NW_004516560.1	40100	TT	GG	GG	INTERGENIC		
SNP_63725B_40130	scaffold1327	NW_004516560.1	40130	TT	GG	GG	INTERGENIC		
SNP_63726B_40141	scaffold1327	NW_004516560.1	40141	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_63727B_43222	scaffold1327	NW_004516560.1	43222	AA	CC	CC	INTERGENIC		
SNP_63728B_50241	scaffold1327	NW_004516560.1	50241	TT	CC	CC	INTERGENIC		
SNP_63729B_51093	scaffold1327	NW_004516560.1	51093	GG	AA	AA	INTERGENIC		
SNP_63730B_54149	scaffold1327	NW_004516560.1	54149	AA	GG	GG	INTERGENIC		
SNP_63731B_54279	scaffold1327	NW_004516560.1	54279	AA	CC	CC	INTERGENIC		
SNP_63732B_54431	scaffold1327	NW_004516560.1	54431	CC	GG	GG	INTERGENIC		
SNP_63733B_54438	scaffold1327	NW_004516560.1	54438	GG	TT	TT	INTERGENIC		
SNP_63734B_54538	scaffold1327	NW_004516560.1	54538	AA	GG	GG	INTERGENIC		
SNP_63735B_74148	scaffold1327	NW_004516560.1	74148	AA	TT	TT	INTERGENIC		
SNP_63736B_85648	scaffold1327	NW_004516560.1	85648	TT	CC	CC	INTERGENIC		
SNP_63737B_92345	scaffold1327	NW_004516560.1	92345	TT	CC	CC	INTERGENIC		
SNP_63738B_92498	scaffold1327	NW_004516560.1	92498	AA	TT	TT	INTERGENIC		
SNP_63739B_92584	scaffold1327	NW_004516560.1	92584	TT	CC	CC	INTERGENIC		
SNP_63740B_95744	scaffold1327	NW_004516560.1	95744	TT	CC	CC	INTERGENIC		
SNP_63741B_95836	scaffold1327	NW_004516560.1	95836	AA	GG	GG	INTERGENIC		
SNP_63742B_107759	scaffold1327	NW_004516560.1	107759	AA	GG	GG	INTERGENIC		
SNP_63743B_114508	scaffold1327	NW_004516560.1	114508	GG	TT	TT	INTERGENIC		
SNP_63744B_114518	scaffold1327	NW_004516560.1	114518	AA	CC	CC	INTERGENIC		
SNP_63745B_114521	scaffold1327	NW_004516560.1	114521	AA	CC	CC	INTERGENIC		
SNP_63746B_114524	scaffold1327	NW_004516560.1	114524	GG	TT	TT	INTERGENIC		
SNP_63747B_114525	scaffold1327	NW_004516560.1	114525	GG	AA	AA	INTERGENIC		
SNP_63748B_114532	scaffold1327	NW_004516560.1	114532	GG	AA	AA	INTERGENIC		
SNP_63749B_114553	scaffold1327	NW_004516560.1	114553	TT	CC	CC	INTERGENIC		
SNP_63750B_114569	scaffold1327	NW_004516560.1	114569	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_63751B_114652	scaffold1327	NW_004516560.1	114652	AA	GG	GG	INTERGENIC		
SNP_63752B_114738	scaffold1327	NW_004516560.1	114738	CC	TT	TT	INTERGENIC		
SNP_63753B_114794	scaffold1327	NW_004516560.1	114794	GG	AA	AA	INTERGENIC		
SNP_63754B_114804	scaffold1327	NW_004516560.1	114804	TT	CC	CC	INTERGENIC		
SNP_63755B_114834	scaffold1327	NW_004516560.1	114834	TT	CC	CC	INTERGENIC		
SNP_63756B_114863	scaffold1327	NW_004516560.1	114863	TT	CC	CC	INTERGENIC		
SNP_63757B_118802	scaffold1327	NW_004516560.1	118802	GG	TT	TT	INTERGENIC		
SNP_63758B_120201	scaffold1327	NW_004516560.1	120201	GG	AA	AA	INTERGENIC		
SNP_63759B_122913	scaffold1327	NW_004516560.1	122913	GG	CC	CC	INTERGENIC		
SNP_63760B_123115	scaffold1327	NW_004516560.1	123115	AA	TT	TT	INTERGENIC		
SNP_63761B_123159	scaffold1327	NW_004516560.1	123159	AA	TT	TT	INTERGENIC		
SNP_63762B_26375	scaffold1328	NW_004516561.1	26375	AA	TT	TT	INTERGENIC		
SNP_63763B_26716	scaffold1328	NW_004516561.1	26716	GG	AA	AA	INTERGENIC		
SNP_63764B_26726	scaffold1328	NW_004516561.1	26726	CC	AA	AA	INTERGENIC		
SNP_63765B_32077	scaffold1328	NW_004516561.1	32077	GG	AA	AA	INTERGENIC		
SNP_63766B_38871	scaffold1328	NW_004516561.1	38871	TT	CC	CC	INTERGENIC		
SNP_63767B_53405	scaffold1328	NW_004516561.1	53405	AA	TT	TT	INTERGENIC		
SNP_63768B_63543	scaffold1328	NW_004516561.1	63543	TT	CC	CC	INTERGENIC		
SNP_63770B_71571	scaffold1328	NW_004516561.1	71571	CC	TT	TT	INTERGENIC		
SNP_63772B_72565	scaffold1328	NW_004516561.1	72565	AA	GG	GG	INTERGENIC		
SNP_63773B_72573	scaffold1328	NW_004516561.1	72573	GG	TT	TT	INTERGENIC		
SNP_63774B_72592	scaffold1328	NW_004516561.1	72592	TT	CC	CC	INTERGENIC		
SNP_63775B_72594	scaffold1328	NW_004516561.1	72594	TT	GG	GG	INTERGENIC		
SNP_63776B_77129	scaffold1328	NW_004516561.1	77129	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_63778B_351	scaffold1329	NW_004516562.1	351	GG	TT	TT	INTERGENIC		
SNP_63779B_1185	scaffold1330	NW_004516563.1	1185	AA	TT	TT	INTERGENIC		
SNP_63780B_636	scaffold1331	NW_004516564.1	636	TT	GG	GG	INTERGENIC		
SNP_63781B_23588	scaffold1331	NW_004516564.1	23588	AA	TT	TT	INTERGENIC		
SNP_63782B_23855	scaffold1331	NW_004516564.1	23855	CC	TT	TT	INTERGENIC		
SNP_63783B_23869	scaffold1331	NW_004516564.1	23869	GG	AA	AA	INTERGENIC		
SNP_63784B_23870	scaffold1331	NW_004516564.1	23870	TT	CC	CC	INTERGENIC		
SNP_63786B_24511	scaffold1331	NW_004516564.1	24511	AA	TT	TT	INTERGENIC		
SNP_63787B_32675	scaffold1331	NW_004516564.1	32675	TT	CC	CC	INTERGENIC		
SNP_63788B_33625	scaffold1331	NW_004516564.1	33625	TT	CC	CC	INTERGENIC		
SNP_63789B_33926	scaffold1331	NW_004516564.1	33926	TT	AA	AA	INTERGENIC		
SNP_63791B_41279	scaffold1331	NW_004516564.1	41279	AA	CC	CC	INTERGENIC		
SNP_63792B_41460	scaffold1331	NW_004516564.1	41460	CC	AA	AA	INTERGENIC		
SNP_63793B_41462	scaffold1331	NW_004516564.1	41462	AA	CC	CC	INTERGENIC		
SNP_63794B_41482	scaffold1331	NW_004516564.1	41482	CC	AA	AA	INTERGENIC		
SNP_63795B_50287	scaffold1331	NW_004516564.1	50287	GG	AA	AA	INTERGENIC		
SNP_63796B_50313	scaffold1331	NW_004516564.1	50313	CC	TT	TT	INTERGENIC		
SNP_63797B_50358	scaffold1331	NW_004516564.1	50358	CC	TT	TT	INTERGENIC		
SNP_63798B_50359	scaffold1331	NW_004516564.1	50359	GG	TT	TT	INTERGENIC		
SNP_63799B_50373	scaffold1331	NW_004516564.1	50373	CC	TT	TT	INTERGENIC		
SNP_63801B_50668	scaffold1331	NW_004516564.1	50668	AA	GG	GG	INTERGENIC		
SNP_63802B_50721	scaffold1331	NW_004516564.1	50721	TT	AA	AA	INTERGENIC		
SNP_63803B_53217	scaffold1331	NW_004516564.1	53217	AA	TT	TT	INTERGENIC		
SNP_63804B_53218	scaffold1331	NW_004516564.1	53218	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_63805B_56053	scaffold1331	NW_004516564.1	56053	GG	AA	AA	INTERGENIC		
SNP_63806B_57039	scaffold1331	NW_004516564.1	57039	AA	CC	CC	INTERGENIC		
SNP_63807B_57637	scaffold1331	NW_004516564.1	57637	TT	AA	AA	INTERGENIC		
SNP_63808B_61674	scaffold1331	NW_004516564.1	61674	CC	GG	GG	INTERGENIC		
SNP_63809B_62316	scaffold1331	NW_004516564.1	62316	TT	CC	CC	INTERGENIC		
SNP_63810B_62626	scaffold1331	NW_004516564.1	62626	GG	AA	AA	INTERGENIC		
SNP_63811B_63228	scaffold1331	NW_004516564.1	63228	AA	TT	TT	INTERGENIC		
SNP_63812B_64693	scaffold1331	NW_004516564.1	64693	TT	CC	CC	INTERGENIC		
SNP_63813B_64817	scaffold1331	NW_004516564.1	64817	AA	GG	GG	INTERGENIC		
SNP_63814B_75330	scaffold1331	NW_004516564.1	75330	TT	AA	AA	INTERGENIC		
SNP_63815B_75654	scaffold1331	NW_004516564.1	75654	AA	TT	TT	INTERGENIC		
SNP_63817B_84087	scaffold1331	NW_004516564.1	84087	GG	CC	CC	INTERGENIC		
SNP_63818B_86188	scaffold1331	NW_004516564.1	86188	GG	AA	AA	INTERGENIC		
SNP_63819B_86786	scaffold1331	NW_004516564.1	86786	CC	TT	TT	INTERGENIC		
SNP_63820B_386	scaffold1332	NW_004516565.1	386	AA	GG	GG	INTERGENIC		
SNP_63821B_402	scaffold1332	NW_004516565.1	402	CC	TT	TT	INTERGENIC		
SNP_63822B_423	scaffold1332	NW_004516565.1	423	CC	TT	TT	INTERGENIC		
SNP_63823B_536	scaffold1332	NW_004516565.1	536	GG	TT	TT	INTERGENIC		
SNP_63824B_610	scaffold1332	NW_004516565.1	610	GG	AA	AA	INTERGENIC		
SNP_63825B_613	scaffold1332	NW_004516565.1	613	TT	CC	CC	INTERGENIC		
SNP_63826B_673	scaffold1332	NW_004516565.1	673	GG	TT	TT	INTERGENIC		
SNP_63828B_4554	scaffold1332	NW_004516565.1	4554	TT	GG	GG	INTERGENIC		
SNP_63829B_4555	scaffold1332	NW_004516565.1	4555	AA	CC	CC	INTERGENIC		
SNP_63830B_4894	scaffold1332	NW_004516565.1	4894	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_63831B_5571	scaffold1332	NW_004516565.1	5571	TT	AA	AA	DRR	101489180	Unknown function
SNP_63832B_5596	scaffold1332	NW_004516565.1	5596	CC	TT	TT	DRR	101489180	Unknown function
SNP_63833B_5661	scaffold1332	NW_004516565.1	5661	GG	TT	TT	DRR	101489180	Unknown function
SNP_63834B_5665	scaffold1332	NW_004516565.1	5665	GG	TT	TT	DRR	101489180	Unknown function
SNP_63835B_5926	scaffold1332	NW_004516565.1	5926	TT	AA	AA	DRR	101489180	Unknown function
SNP_63836B_5952	scaffold1332	NW_004516565.1	5952	CC	TT	TT	DRR	101489180	Unknown function
SNP_63837B_6009	scaffold1332	NW_004516565.1	6009	CC	AA	AA	DRR	101489180	Unknown function
SNP_63838B_6029	scaffold1332	NW_004516565.1	6029	GG	AA	AA	DRR	101489180	Unknown function
SNP_63839B_6058	scaffold1332	NW_004516565.1	6058	GG	TT	TT	DRR	101489180	Unknown function
SNP_63840B_6072	scaffold1332	NW_004516565.1	6072	CC	AA	AA	DRR	101489180	Unknown function
SNP_63841B_6244	scaffold1332	NW_004516565.1	6244	AA	GG	GG	NON_SYNONYMOUS_CODING	101489180	Unknown function
SNP_63842B_6251	scaffold1332	NW_004516565.1	6251	AA	TT	TT	NON_SYNONYMOUS_CODING	101489180	Unknown function
SNP_63843B_6390	scaffold1332	NW_004516565.1	6390	TT	CC	CC	NON_SYNONYMOUS_CODING	101489180	Unknown function
SNP_63844B_7224	scaffold1332	NW_004516565.1	7224	CC	TT	TT	URR	101489180	Unknown function
SNP_63845B_7282	scaffold1332	NW_004516565.1	7282	CC	AA	AA	URR	101489180	Unknown function
SNP_63846B_7771	scaffold1332	NW_004516565.1	7771	CC	TT	TT	URR	101489180	Unknown function
SNP_63847B_7940	scaffold1332	NW_004516565.1	7940	AA	GG	GG	URR	101489180	Unknown function
SNP_63848B_8008	scaffold1332	NW_004516565.1	8008	AA	TT	TT	URR	101489180	Unknown function
SNP_63849B_8282	scaffold1332	NW_004516565.1	8282	TT	CC	CC	URR	101489180	Unknown function
SNP_63850B_8403	scaffold1332	NW_004516565.1	8403	CC	TT	TT	URR	101489180	Unknown function
SNP_63851B_8423	scaffold1332	NW_004516565.1	8423	CC	AA	AA	URR	101489180	Unknown function
SNP_63852B_8453	scaffold1332	NW_004516565.1	8453	AA	TT	TT	URR	101489180	Unknown function
SNP_63853B_8454	scaffold1332	NW_004516565.1	8454	AA	TT	TT	URR	101489180	Unknown function
SNP_63855B_8501	scaffold1332	NW_004516565.1	8501	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_63856B_8681	scaffold1332	NW_004516565.1	8681	AA	GG	GG	INTERGENIC		
SNP_63857B_8769	scaffold1332	NW_004516565.1	8769	TT	CC	CC	INTERGENIC		
SNP_63858B_8818	scaffold1332	NW_004516565.1	8818	AA	TT	TT	INTERGENIC		
SNP_63859B_8844	scaffold1332	NW_004516565.1	8844	AA	GG	GG	INTERGENIC		
SNP_63860B_8883	scaffold1332	NW_004516565.1	8883	TT	CC	CC	INTERGENIC		
SNP_63861B_8899	scaffold1332	NW_004516565.1	8899	GG	AA	AA	INTERGENIC		
SNP_63862B_9066	scaffold1332	NW_004516565.1	9066	CC	TT	TT	INTERGENIC		
SNP_63863B_9091	scaffold1332	NW_004516565.1	9091	CC	GG	GG	INTERGENIC		
SNP_63864B_9110	scaffold1332	NW_004516565.1	9110	CC	TT	TT	INTERGENIC		
SNP_63865B_9190	scaffold1332	NW_004516565.1	9190	GG	TT	TT	INTERGENIC		
SNP_63866B_9355	scaffold1332	NW_004516565.1	9355	TT	GG	GG	INTERGENIC		
SNP_63867B_9384	scaffold1332	NW_004516565.1	9384	GG	TT	TT	INTERGENIC		
SNP_63868B_9416	scaffold1332	NW_004516565.1	9416	GG	TT	TT	INTERGENIC		
SNP_63869B_9516	scaffold1332	NW_004516565.1	9516	TT	CC	CC	INTERGENIC		
SNP_63870B_9624	scaffold1332	NW_004516565.1	9624	TT	AA	AA	INTERGENIC		
SNP_63871B_9651	scaffold1332	NW_004516565.1	9651	GG	AA	AA	INTERGENIC		
SNP_63872B_9684	scaffold1332	NW_004516565.1	9684	GG	CC	CC	INTERGENIC		
SNP_63873B_9953	scaffold1332	NW_004516565.1	9953	AA	GG	GG	INTERGENIC		
SNP_63875B_11260	scaffold1332	NW_004516565.1	11260	GG	TT	TT	INTERGENIC		
SNP_63876B_11285	scaffold1332	NW_004516565.1	11285	GG	CC	CC	INTERGENIC		
SNP_63877B_22259	scaffold1335	NW_004516566.1	22259	TT	AA	AA	INTERGENIC		
SNP_63878B_22267	scaffold1335	NW_004516566.1	22267	AA	GG	GG	INTERGENIC		
SNP_63879B_22268	scaffold1335	NW_004516566.1	22268	AA	TT	TT	INTERGENIC		
SNP_63880B_22271	scaffold1335	NW_004516566.1	22271	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_63881B_22279	scaffold1335	NW_004516566.1	22279	TT	CC	CC	INTERGENIC		
SNP_63882B_22745	scaffold1335	NW_004516566.1	22745	TT	CC	CC	INTERGENIC		
SNP_63883B_22746	scaffold1335	NW_004516566.1	22746	TT	AA	AA	INTERGENIC		
SNP_63884B_27337	scaffold1335	NW_004516566.1	27337	AA	GG	GG	INTERGENIC		
SNP_63885B_27367	scaffold1335	NW_004516566.1	27367	AA	GG	GG	INTERGENIC		
SNP_63886B_33352	scaffold1335	NW_004516566.1	33352	TT	GG	GG	INTERGENIC		
SNP_63887B_33392	scaffold1335	NW_004516566.1	33392	GG	AA	AA	INTERGENIC		
SNP_63888B_33630	scaffold1335	NW_004516566.1	33630	GG	AA	AA	INTERGENIC		
SNP_63889B_33682	scaffold1335	NW_004516566.1	33682	TT	AA	AA	INTERGENIC		
SNP_63890B_33716	scaffold1335	NW_004516566.1	33716	GG	AA	AA	INTERGENIC		
SNP_63891B_33727	scaffold1335	NW_004516566.1	33727	GG	TT	TT	INTERGENIC		
SNP_63892B_33732	scaffold1335	NW_004516566.1	33732	AA	GG	GG	INTERGENIC		
SNP_63893B_33733	scaffold1335	NW_004516566.1	33733	GG	AA	AA	INTERGENIC		
SNP_63894B_33857	scaffold1335	NW_004516566.1	33857	AA	GG	GG	INTERGENIC		
SNP_63895B_45125	scaffold1335	NW_004516566.1	45125	AA	CC	CC	URR	101489826	uncharacterized LOC101489826
SNP_63897B_45410	scaffold1335	NW_004516566.1	45410	AA	TT	TT	URR	101489826	uncharacterized LOC101489826
SNP_63898B_45667	scaffold1335	NW_004516566.1	45667	GG	AA	AA	URR	101489826	uncharacterized LOC101489826
SNP_63899B_45791	scaffold1335	NW_004516566.1	45791	CC	TT	TT	URR	101489826	uncharacterized LOC101489826
SNP_63900B_45793	scaffold1335	NW_004516566.1	45793	GG	CC	CC	URR	101489826	uncharacterized LOC101489826
SNP_63901B_45803	scaffold1335	NW_004516566.1	45803	TT	AA	AA	URR	101489826	uncharacterized LOC101489826
SNP_63902B_45806	scaffold1335	NW_004516566.1	45806	TT	AA	AA	URR	101489826	uncharacterized LOC101489826
SNP_63903B_45840	scaffold1335	NW_004516566.1	45840	TT	CC	CC	URR	101489826	uncharacterized LOC101489826
SNP_63904B_45863	scaffold1335	NW_004516566.1	45863	GG	AA	AA	URR	101489826	uncharacterized LOC101489826
SNP_63905B_45924	scaffold1335	NW_004516566.1	45924	GG	AA	AA	URR	101489826	uncharacterized LOC101489826

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_63906B_45933	scaffold1335	NW_004516566.1	45933	TT	GG	GG	URR	101489826	uncharacterized LOC101489826
SNP_63907B_45941	scaffold1335	NW_004516566.1	45941	GG	AA	AA	URR	101489826	uncharacterized LOC101489826
SNP_63908B_46050	scaffold1335	NW_004516566.1	46050	CC	TT	TT	URR	101489826	uncharacterized LOC101489826
SNP_63909B_46073	scaffold1335	NW_004516566.1	46073	TT	AA	AA	URR	101489826	uncharacterized LOC101489826
SNP_63910B_46127	scaffold1335	NW_004516566.1	46127	GG	AA	AA	URR	101489826	uncharacterized LOC101489826
SNP_63911B_46255	scaffold1335	NW_004516566.1	46255	GG	AA	AA	URR	101489826	uncharacterized LOC101489826
SNP_63913B_46291	scaffold1335	NW_004516566.1	46291	GG	AA	AA	URR	101489826	uncharacterized LOC101489826
SNP_63914B_46361	scaffold1335	NW_004516566.1	46361	GG	TT	TT	URR	101489826	uncharacterized LOC101489826
SNP_63915B_46375	scaffold1335	NW_004516566.1	46375	CC	TT	TT	URR	101489826	uncharacterized LOC101489826
SNP_63916B_46433	scaffold1335	NW_004516566.1	46433	TT	CC	CC	URR	101489826	uncharacterized LOC101489826
SNP_63917B_46439	scaffold1335	NW_004516566.1	46439	GG	TT	TT	URR	101489826	uncharacterized LOC101489826
SNP_63918B_46471	scaffold1335	NW_004516566.1	46471	TT	CC	CC	URR	101489826	uncharacterized LOC101489826
SNP_63919B_43081	scaffold1337	NW_004516567.1	43081	CC	AA	AA	INTERGENIC		
SNP_63920B_45518	scaffold1337	NW_004516567.1	45518	AA	GG	GG	INTERGENIC		
SNP_63922B_1266	scaffold1339	NW_004516569.1	1266	TT	AA	AA	INTERGENIC		
SNP_63923B_1296	scaffold1339	NW_004516569.1	1296	TT	GG	GG	INTERGENIC		
SNP_63924B_1301	scaffold1339	NW_004516569.1	1301	GG	CC	CC	INTERGENIC		
SNP_63925B_1555	scaffold1339	NW_004516569.1	1555	AA	CC	CC	INTERGENIC		
SNP_63926B_1883	scaffold1339	NW_004516569.1	1883	TT	GG	GG	INTERGENIC		
SNP_63928B_269	scaffold1342	NW_004516570.1	269	GG	AA	AA	INTERGENIC		
SNP_63929B_5560	scaffold1343	NW_004516571.1	5560	GG	AA	AA	INTERGENIC		
SNP_63930B_11963	scaffold1344	NW_004516572.1	11963	GG	AA	AA	INTERGENIC		
SNP_63931B_11982	scaffold1344	NW_004516572.1	11982	GG	AA	AA	INTERGENIC		
SNP_63932B_20708	scaffold1344	NW_004516572.1	20708	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_63933B_21040	scaffold1344	NW_004516572.1	21040	AA	GG	GG	INTERGENIC		
SNP_63934B_35494	scaffold1348_1	NW_004516574.1	35494	CC	TT	TT	INTERGENIC		
SNP_63935B_57067	scaffold1348_1	NW_004516574.1	57067	AA	TT	TT	URR	101491128	uncharacterized LOC101491128
SNP_63936B_152776	scaffold1348_1	NW_004516574.1	152776	TT	AA	AA	URR	101495535	transmembrane protein 64-like
SNP_63937B_157443	scaffold1348_1	NW_004516574.1	157443	TT	AA	AA	INTERGENIC		
SNP_63938B_171740	scaffold1348_1	NW_004516574.1	171740	AA	GG	GG	INTERGENIC		
SNP_63939B_171791	scaffold1348_1	NW_004516574.1	171791	AA	GG	GG	INTERGENIC		
SNP_63940B_171810	scaffold1348_1	NW_004516574.1	171810	GG	AA	AA	INTERGENIC		
SNP_63941B_171861	scaffold1348_1	NW_004516574.1	171861	CC	TT	TT	INTERGENIC		
SNP_63942B_171900	scaffold1348_1	NW_004516574.1	171900	GG	AA	AA	INTERGENIC		
SNP_63943B_171942	scaffold1348_1	NW_004516574.1	171942	AA	GG	GG	INTERGENIC		
SNP_63944B_172097	scaffold1348_1	NW_004516574.1	172097	AA	TT	TT	INTERGENIC		
SNP_63945B_172098	scaffold1348_1	NW_004516574.1	172098	AA	TT	TT	INTERGENIC		
SNP_63946B_172099	scaffold1348_1	NW_004516574.1	172099	TT	AA	AA	INTERGENIC		
SNP_63947B_172151	scaffold1348_1	NW_004516574.1	172151	TT	AA	AA	INTERGENIC		
SNP_63948B_172191	scaffold1348_1	NW_004516574.1	172191	TT	CC	CC	INTERGENIC		
SNP_63949B_172249	scaffold1348_1	NW_004516574.1	172249	CC	AA	AA	INTERGENIC		
SNP_63950B_172265	scaffold1348_1	NW_004516574.1	172265	TT	GG	GG	INTERGENIC		
SNP_63951B_172274	scaffold1348_1	NW_004516574.1	172274	CC	TT	TT	INTERGENIC		
SNP_63952B_190473	scaffold1348_1	NW_004516574.1	190473	AA	GG	GG	INTERGENIC		
SNP_63953B_194511	scaffold1348_1	NW_004516574.1	194511	TT	AA	AA	INTERGENIC		
SNP_63954B_194535	scaffold1348_1	NW_004516574.1	194535	CC	TT	TT	INTERGENIC		
SNP_63955B_194559	scaffold1348_1	NW_004516574.1	194559	TT	GG	GG	INTERGENIC		
SNP_63956B_195121	scaffold1348_1	NW_004516574.1	195121	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_63957B_231771	scaffold1348_1	NW_004516574.1	231771	TT	CC	CC	INTERGENIC		
SNP_63958B_308881	scaffold1348_1	NW_004516574.1	308881	TT	GG	GG	DRR	101500517	maspardin
SNP_63959B_315787	scaffold1348_1	NW_004516574.1	315787	GG	CC	CC	URR	101500517	maspardin
SNP_63960B_383819	scaffold1348_1	NW_004516574.1	383819	GG	AA	AA	URR	101504049	subtilisin-like protease SBT1.2
SNP_63961B_383843	scaffold1348_1	NW_004516574.1	383843	CC	TT	TT	URR	101504049	subtilisin-like protease SBT1.2
SNP_63963B_383872	scaffold1348_1	NW_004516574.1	383872	AA	GG	GG	URR	101504049	subtilisin-like protease SBT1.2
SNP_63964B_386478	scaffold1348_1	NW_004516574.1	386478	AA	GG	GG	INTERGENIC		
SNP_63965B_386577	scaffold1348_1	NW_004516574.1	386577	AA	CC	CC	INTERGENIC		
SNP_63966B_386615	scaffold1348_1	NW_004516574.1	386615	AA	GG	GG	INTERGENIC		
SNP_63967B_386616	scaffold1348_1	NW_004516574.1	386616	TT	GG	GG	INTERGENIC		
SNP_63969B_521825	scaffold1348_1	NW_004516574.1	521825	CC	TT	TT	URR	101509829	phosphatidylinositol glycan anchor biosynthesis class U protein
SNP_63970B_565597	scaffold1348_1	NW_004516574.1	565597	CC	TT	TT	INTERGENIC		
SNP_63973B_698071	scaffold1348_1	NW_004516574.1	698071	GG	AA	AA	INTERGENIC		
SNP_63975B_712663	scaffold1348_1	NW_004516574.1	712663	TT	CC	CC	INTERGENIC		
SNP_63976B_752681	scaffold1348_1	NW_004516574.1	752681	CC	TT	TT	URR	101515754	conserved oligomeric Golgi complex subunit 2
SNP_63977B_786179	scaffold1348_1	NW_004516574.1	786179	AA	GG	GG	INTERGENIC		
SNP_63978B_789112	scaffold1348_1	NW_004516574.1	789112	TT	CC	CC	INTERGENIC		
SNP_63979B_887781	scaffold1348_1	NW_004516574.1	887781	CC	TT	TT	INTERGENIC		
SNP_63980B_888024	scaffold1348_1	NW_004516574.1	888024	TT	CC	CC	INTERGENIC		
SNP_63981B_888083	scaffold1348_1	NW_004516574.1	888083	CC	TT	TT	INTERGENIC		
SNP_63983B_888264	scaffold1348_1	NW_004516574.1	888264	CC	TT	TT	INTERGENIC		
SNP_63984B_894345	scaffold1348_1	NW_004516574.1	894345	CC	TT	TT	INTERGENIC		
SNP_63985B_894367	scaffold1348_1	NW_004516574.1	894367	GG	AA	AA	INTERGENIC		
SNP_63986B_894369	scaffold1348_1	NW_004516574.1	894369	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_63987B_894377	scaffold1348_1	NW_004516574.1	894377	AA	GG	GG	INTERGENIC		
SNP_63988B_894383	scaffold1348_1	NW_004516574.1	894383	TT	GG	GG	INTERGENIC		
SNP_63989B_894419	scaffold1348_1	NW_004516574.1	894419	AA	GG	GG	INTERGENIC		
SNP_63990B_894933	scaffold1348_1	NW_004516574.1	894933	CC	TT	TT	INTERGENIC		
SNP_63991B_900659	scaffold1348_1	NW_004516574.1	900659	GG	TT	TT	INTERGENIC		
SNP_63992B_956240	scaffold1348_1	NW_004516574.1	956240	AA	TT	TT	INTERGENIC		
SNP_63993B_1028579	scaffold1348_1	NW_004516574.1	1028579	CC	AA	AA	NON_SYNONYMOUS_CODING	101514449	uncharacterized LOC101514449
SNP_63994B_1028601	scaffold1348_1	NW_004516574.1	1028601	AA	CC	CC	SYNONYMOUS_CODING	101514449	uncharacterized LOC101514449
SNP_63995B_1133662	scaffold1348_1	NW_004516574.1	1133662	TT	GG	GG	INTERGENIC		
SNP_63996B_1133664	scaffold1348_1	NW_004516574.1	1133664	AA	CC	CC	INTERGENIC		
SNP_63997B_1138055	scaffold1348_1	NW_004516574.1	1138055	AA	TT	TT	INTERGENIC		
SNP_63998B_1138066	scaffold1348_1	NW_004516574.1	1138066	AA	GG	GG	INTERGENIC		
SNP_63999B_1138072	scaffold1348_1	NW_004516574.1	1138072	TT	AA	AA	INTERGENIC		
SNP_64000B_1138165	scaffold1348_1	NW_004516574.1	1138165	TT	AA	AA	INTERGENIC		
SNP_64001B_1138212	scaffold1348_1	NW_004516574.1	1138212	AA	GG	GG	INTERGENIC		
SNP_64002B_1138327	scaffold1348_1	NW_004516574.1	1138327	TT	CC	CC	INTERGENIC		
SNP_64003B_1138346	scaffold1348_1	NW_004516574.1	1138346	GG	TT	TT	INTERGENIC		
SNP_64004B_1138402	scaffold1348_1	NW_004516574.1	1138402	AA	GG	GG	INTERGENIC		
SNP_64005B_1138410	scaffold1348_1	NW_004516574.1	1138410	AA	CC	CC	INTERGENIC		
SNP_64006B_1138431	scaffold1348_1	NW_004516574.1	1138431	AA	GG	GG	INTERGENIC		
SNP_64007B_1138440	scaffold1348_1	NW_004516574.1	1138440	CC	GG	GG	INTERGENIC		
SNP_64008B_1138462	scaffold1348_1	NW_004516574.1	1138462	AA	TT	TT	INTERGENIC		
SNP_64011B_1138556	scaffold1348_1	NW_004516574.1	1138556	CC	GG	GG	INTERGENIC		
SNP_64012B_1138587	scaffold1348_1	NW_004516574.1	1138587	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64013B_1138589	scaffold1348_1	NW_004516574.1	1138589	AA	TT	TT	INTERGENIC		
SNP_64014B_1138595	scaffold1348_1	NW_004516574.1	1138595	AA	CC	CC	INTERGENIC		
SNP_64015B_1138618	scaffold1348_1	NW_004516574.1	1138618	CC	TT	TT	INTERGENIC		
SNP_64016B_1138634	scaffold1348_1	NW_004516574.1	1138634	AA	TT	TT	INTERGENIC		
SNP_64017B_1138663	scaffold1348_1	NW_004516574.1	1138663	GG	TT	TT	INTERGENIC		
SNP_64018B_1138694	scaffold1348_1	NW_004516574.1	1138694	TT	CC	CC	INTERGENIC		
SNP_64019B_1138696	scaffold1348_1	NW_004516574.1	1138696	TT	CC	CC	INTERGENIC		
SNP_64020B_1138722	scaffold1348_1	NW_004516574.1	1138722	AA	GG	GG	INTERGENIC		
SNP_64021B_1138725	scaffold1348_1	NW_004516574.1	1138725	CC	AA	AA	INTERGENIC		
SNP_64022B_1138753	scaffold1348_1	NW_004516574.1	1138753	TT	CC	CC	INTERGENIC		
SNP_64023B_1138772	scaffold1348_1	NW_004516574.1	1138772	CC	AA	AA	INTERGENIC		
SNP_64024B_1138778	scaffold1348_1	NW_004516574.1	1138778	GG	AA	AA	INTERGENIC		
SNP_64025B_1138782	scaffold1348_1	NW_004516574.1	1138782	TT	CC	CC	INTERGENIC		
SNP_64026B_1138790	scaffold1348_1	NW_004516574.1	1138790	CC	TT	TT	INTERGENIC		
SNP_64027B_1138794	scaffold1348_1	NW_004516574.1	1138794	TT	AA	AA	INTERGENIC		
SNP_64028B_1138836	scaffold1348_1	NW_004516574.1	1138836	GG	AA	AA	INTERGENIC		
SNP_64029B_1138841	scaffold1348_1	NW_004516574.1	1138841	TT	CC	CC	INTERGENIC		
SNP_64030B_1138873	scaffold1348_1	NW_004516574.1	1138873	TT	CC	CC	INTERGENIC		
SNP_64031B_1139335	scaffold1348_1	NW_004516574.1	1139335	TT	CC	CC	INTERGENIC		
SNP_64032B_1139400	scaffold1348_1	NW_004516574.1	1139400	AA	CC	CC	INTERGENIC		
SNP_64033B_1139403	scaffold1348_1	NW_004516574.1	1139403	CC	TT	TT	INTERGENIC		
SNP_64034B_1139418	scaffold1348_1	NW_004516574.1	1139418	AA	TT	TT	INTERGENIC		
SNP_64035B_1139478	scaffold1348_1	NW_004516574.1	1139478	AA	CC	CC	INTERGENIC		
SNP_64036B_1139697	scaffold1348_1	NW_004516574.1	1139697	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64037B_1139769	scaffold1348_1	NW_004516574.1	1139769	GG	TT	TT	INTERGENIC		
SNP_64038B_1139780	scaffold1348_1	NW_004516574.1	1139780	AA	GG	GG	INTERGENIC		
SNP_64039B_1156312	scaffold1348_1	NW_004516574.1	1156312	TT	GG	GG	INTERGENIC		
SNP_64040B_1163116	scaffold1348_1	NW_004516574.1	1163116	TT	AA	AA	INTERGENIC		
SNP_64041B_1167890	scaffold1348_1	NW_004516574.1	1167890	AA	GG	GG	DRR	101501046	quinolinate synthase, chloroplastic
SNP_64042B_1209532	scaffold1348_1	NW_004516574.1	1209532	CC	TT	TT	URR	101515755	pentatricopeptide repeat-containing protein At3g48250, chloroplastic-like
SNP_64043B_1323076	scaffold1348_1	NW_004516574.1	1323076	AA	TT	TT	INTERGENIC		
SNP_64044B_1323087	scaffold1348_1	NW_004516574.1	1323087	AA	GG	GG	INTERGENIC		
SNP_64045B_1323182	scaffold1348_1	NW_004516574.1	1323182	TT	CC	CC	INTERGENIC		
SNP_64046B_1323248	scaffold1348_1	NW_004516574.1	1323248	AA	GG	GG	INTERGENIC		
SNP_64047B_1361279	scaffold1348_1	NW_004516574.1	1361279	GG	AA	AA	INTERGENIC		
SNP_64049B_1398411	scaffold1348_1	NW_004516574.1	1398411	GG	AA	AA	INTERGENIC		
SNP_64051B_1408512	scaffold1348_1	NW_004516574.1	1408512	AA	CC	CC	URR	101489511	Unknown function
SNP_64052B_1408784	scaffold1348_1	NW_004516574.1	1408784	CC	TT	TT	URR	101489511	Unknown function
SNP_64053B_1410187	scaffold1348_1	NW_004516574.1	1410187	TT	CC	CC	INTERGENIC		
SNP_64054B_1410194	scaffold1348_1	NW_004516574.1	1410194	AA	GG	GG	INTERGENIC		
SNP_64055B_1410522	scaffold1348_1	NW_004516574.1	1410522	AA	GG	GG	INTERGENIC		
SNP_64056B_1410556	scaffold1348_1	NW_004516574.1	1410556	TT	CC	CC	INTERGENIC		
SNP_64058B_21764	scaffold1351	NW_004516576.1	21764	TT	CC	CC	INTERGENIC		
SNP_64059B_62544	scaffold1351	NW_004516576.1	62544	CC	TT	TT	INTERGENIC		
SNP_64060B_62568	scaffold1351	NW_004516576.1	62568	GG	AA	AA	INTERGENIC		
SNP_64061B_62577	scaffold1351	NW_004516576.1	62577	CC	GG	GG	INTERGENIC		
SNP_64062B_62597	scaffold1351	NW_004516576.1	62597	GG	AA	AA	INTERGENIC		
SNP_64063B_109859	scaffold1351	NW_004516576.1	109859	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64064B_109864	scaffold1351	NW_004516576.1	109864	AA	GG	GG	INTERGENIC		
SNP_64065B_156104	scaffold1351	NW_004516576.1	156104	CC	AA	AA	INTERGENIC		
SNP_64066B_194779	scaffold1351	NW_004516576.1	194779	GG	TT	TT	INTERGENIC		
SNP_64067B_198685	scaffold1351	NW_004516576.1	198685	GG	AA	AA	INTRON	101495866	alpha carbonic anhydrase 7-like
SNP_64068B_198998	scaffold1351	NW_004516576.1	198998	CC	TT	TT	INTRON	101495866	alpha carbonic anhydrase 7-like
SNP_64070B_217634	scaffold1351	NW_004516576.1	217634	TT	AA	AA	INTERGENIC		
SNP_64071B_224364	scaffold1351	NW_004516576.1	224364	GG	TT	TT	DRR	101496523	zinc finger protein ZAT5
SNP_64072B_274685	scaffold1351	NW_004516576.1	274685	CC	TT	TT	INTERGENIC		
SNP_64073B_274726	scaffold1351	NW_004516576.1	274726	GG	AA	AA	INTERGENIC		
SNP_64074B_274812	scaffold1351	NW_004516576.1	274812	CC	TT	TT	INTERGENIC		
SNP_64075B_274912	scaffold1351	NW_004516576.1	274912	AA	CC	CC	INTERGENIC		
SNP_64076B_286240	scaffold1351	NW_004516576.1	286240	AA	GG	GG	INTERGENIC		
SNP_64077B_295969	scaffold1351	NW_004516576.1	295969	CC	TT	TT	INTERGENIC		
SNP_64078B_302713	scaffold1351	NW_004516576.1	302713	AA	GG	GG	SYNONYMOUS_CODING	101500644	Unknown function
SNP_64079B_327137	scaffold1351	NW_004516576.1	327137	GG	AA	AA	INTERGENIC		
SNP_64080B_340991	scaffold1351	NW_004516576.1	340991	AA	GG	GG	INTERGENIC		
SNP_64081B_342783	scaffold1351	NW_004516576.1	342783	GG	TT	TT	DRR	101500952	Unknown function
SNP_64082B_342856	scaffold1351	NW_004516576.1	342856	CC	TT	TT	DRR	101500952	Unknown function
SNP_64083B_366068	scaffold1351	NW_004516576.1	366068	GG	TT	TT	INTRON	101497514	aldehyde dehydrogenase family 3 member H1-like
SNP_64084B_366108	scaffold1351	NW_004516576.1	366108	AA	GG	GG	INTRON	101497514	aldehyde dehydrogenase family 3 member H1-like
SNP_64085B_366201	scaffold1351	NW_004516576.1	366201	TT	AA	AA	NON_SYNONYMOUS_CODING	101497514	aldehyde dehydrogenase family 3 member H1-like
SNP_64086B_366273	scaffold1351	NW_004516576.1	366273	TT	GG	GG	NON_SYNONYMOUS_CODING	101497514	aldehyde dehydrogenase family 3 member H1-like
SNP_64087B_405	scaffold1358	NW_004516582.1	405	AA	TT	TT	INTERGENIC		
SNP_64088B_476	scaffold1358	NW_004516582.1	476	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64090B_522	scaffold1358	NW_004516582.1	522	TT	CC	CC	INTERGENIC		
SNP_64091B_578	scaffold1358	NW_004516582.1	578	AA	GG	GG	INTERGENIC		
SNP_64092B_705	scaffold1358	NW_004516582.1	705	CC	AA	AA	INTERGENIC		
SNP_64093B_732	scaffold1358	NW_004516582.1	732	AA	CC	CC	INTERGENIC		
SNP_64094B_752	scaffold1358	NW_004516582.1	752	GG	AA	AA	INTERGENIC		
SNP_64095B_995	scaffold1358	NW_004516582.1	995	AA	CC	CC	INTERGENIC		
SNP_64096B_1002	scaffold1358	NW_004516582.1	1002	AA	TT	TT	INTERGENIC		
SNP_64097B_1229	scaffold1358	NW_004516582.1	1229	AA	CC	CC	INTERGENIC		
SNP_64098B_9797	scaffold1358	NW_004516582.1	9797	TT	AA	AA	INTERGENIC		
SNP_64099B_10073	scaffold1358	NW_004516582.1	10073	GG	AA	AA	INTERGENIC		
SNP_64100B_10138	scaffold1358	NW_004516582.1	10138	CC	AA	AA	INTERGENIC		
SNP_64101B_10227	scaffold1358	NW_004516582.1	10227	AA	CC	CC	INTERGENIC		
SNP_64102B_10289	scaffold1358	NW_004516582.1	10289	AA	TT	TT	INTERGENIC		
SNP_64103B_10450	scaffold1358	NW_004516582.1	10450	TT	AA	AA	INTERGENIC		
SNP_64104B_10451	scaffold1358	NW_004516582.1	10451	AA	TT	TT	INTERGENIC		
SNP_64105B_11757	scaffold1358	NW_004516582.1	11757	AA	GG	GG	INTERGENIC		
SNP_64106B_11825	scaffold1358	NW_004516582.1	11825	AA	GG	GG	INTERGENIC		
SNP_64107B_11896	scaffold1358	NW_004516582.1	11896	AA	TT	TT	INTERGENIC		
SNP_64108B_12088	scaffold1358	NW_004516582.1	12088	CC	GG	GG	INTERGENIC		
SNP_64109B_12128	scaffold1358	NW_004516582.1	12128	AA	GG	GG	INTERGENIC		
SNP_64110B_12154	scaffold1358	NW_004516582.1	12154	TT	AA	AA	INTERGENIC		
SNP_64111B_12155	scaffold1358	NW_004516582.1	12155	AA	TT	TT	INTERGENIC		
SNP_64112B_42651	scaffold1359	NW_004516583.1	42651	TT	CC	CC	INTERGENIC		
SNP_64113B_58595	scaffold1359	NW_004516583.1	58595	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64114B_58609	scaffold1359	NW_004516583.1	58609	CC	TT	TT	INTERGENIC		
SNP_64116B_74383	scaffold1359	NW_004516583.1	74383	TT	AA	AA	INTERGENIC		
SNP_64118B_74688	scaffold1359	NW_004516583.1	74688	AA	TT	TT	DRR	101501796	Unknown function
SNP_64119B_99511	scaffold1359	NW_004516583.1	99511	TT	GG	GG	INTERGENIC		
SNP_64120B_99531	scaffold1359	NW_004516583.1	99531	GG	TT	TT	INTERGENIC		
SNP_64121B_99544	scaffold1359	NW_004516583.1	99544	TT	CC	CC	INTERGENIC		
SNP_64122B_101918	scaffold1359	NW_004516583.1	101918	AA	GG	GG	INTERGENIC		
SNP_64123B_115102	scaffold1359	NW_004516583.1	115102	GG	TT	TT	INTERGENIC		
SNP_64125B_14198	scaffold1360	NW_004516584.1	14198	GG	TT	TT	INTERGENIC		
SNP_64126B_14354	scaffold1360	NW_004516584.1	14354	AA	GG	GG	INTERGENIC		
SNP_64127B_14459	scaffold1360	NW_004516584.1	14459	AA	TT	TT	INTERGENIC		
SNP_64128B_14896	scaffold1360	NW_004516584.1	14896	AA	TT	TT	INTERGENIC		
SNP_64129B_14930	scaffold1360	NW_004516584.1	14930	AA	GG	GG	INTERGENIC		
SNP_64130B_15129	scaffold1360	NW_004516584.1	15129	GG	TT	TT	INTERGENIC		
SNP_64131B_15133	scaffold1360	NW_004516584.1	15133	GG	AA	AA	INTERGENIC		
SNP_64132B_17318	scaffold1360	NW_004516584.1	17318	AA	CC	CC	INTERGENIC		
SNP_64133B_17417	scaffold1360	NW_004516584.1	17417	TT	GG	GG	INTERGENIC		
SNP_64134B_9817	scaffold1361	NW_004516585.1	9817	TT	GG	GG	INTERGENIC		
SNP_64135B_31198	scaffold1364	NW_004516587.1	31198	GG	CC	CC	INTERGENIC		
SNP_64136B_76674	scaffold1364	NW_004516587.1	76674	CC	GG	GG	INTERGENIC		
SNP_64137B_76885	scaffold1364	NW_004516587.1	76885	TT	AA	AA	INTERGENIC		
SNP_64138B_110691	scaffold1364	NW_004516587.1	110691	CC	TT	TT	INTERGENIC		
SNP_64139B_113972	scaffold1364	NW_004516587.1	113972	CC	TT	TT	INTERGENIC		
SNP_64140B_114925	scaffold1364	NW_004516587.1	114925	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64141B_7112	scaffold1365	NW_004516588.1	7112	TT	AA	AA	INTERGENIC		
SNP_64142B_7404	scaffold1365	NW_004516588.1	7404	GG	AA	AA	INTERGENIC		
SNP_64143B_7426	scaffold1365	NW_004516588.1	7426	TT	GG	GG	INTERGENIC		
SNP_64144B_7472	scaffold1365	NW_004516588.1	7472	AA	TT	TT	INTERGENIC		
SNP_64145B_7662	scaffold1365	NW_004516588.1	7662	GG	AA	AA	INTERGENIC		
SNP_64146B_7682	scaffold1365	NW_004516588.1	7682	AA	TT	TT	INTERGENIC		
SNP_64147B_8200	scaffold1365	NW_004516588.1	8200	TT	AA	AA	INTERGENIC		
SNP_64148B_8212	scaffold1365	NW_004516588.1	8212	AA	GG	GG	INTERGENIC		
SNP_64149B_8227	scaffold1365	NW_004516588.1	8227	TT	AA	AA	INTERGENIC		
SNP_64150B_8260	scaffold1365	NW_004516588.1	8260	TT	CC	CC	INTERGENIC		
SNP_64151B_8277	scaffold1365	NW_004516588.1	8277	GG	AA	AA	INTERGENIC		
SNP_64152B_8354	scaffold1365	NW_004516588.1	8354	CC	TT	TT	INTERGENIC		
SNP_64153B_8423	scaffold1365	NW_004516588.1	8423	TT	AA	AA	INTERGENIC		
SNP_64154B_8468	scaffold1365	NW_004516588.1	8468	CC	GG	GG	INTERGENIC		
SNP_64155B_8563	scaffold1365	NW_004516588.1	8563	GG	CC	CC	INTERGENIC		
SNP_64156B_8658	scaffold1365	NW_004516588.1	8658	TT	AA	AA	INTERGENIC		
SNP_64157B_8723	scaffold1365	NW_004516588.1	8723	TT	GG	GG	INTERGENIC		
SNP_64158B_8871	scaffold1365	NW_004516588.1	8871	AA	GG	GG	INTERGENIC		
SNP_64159B_19348	scaffold1365	NW_004516588.1	19348	GG	AA	AA	INTERGENIC		
SNP_64160B_19355	scaffold1365	NW_004516588.1	19355	AA	GG	GG	INTERGENIC		
SNP_64161B_19356	scaffold1365	NW_004516588.1	19356	GG	CC	CC	INTERGENIC		
SNP_64162B_19358	scaffold1365	NW_004516588.1	19358	AA	TT	TT	INTERGENIC		
SNP_64164B_86598	scaffold1365	NW_004516588.1	86598	TT	AA	AA	INTERGENIC		
SNP_64165B_86831	scaffold1365	NW_004516588.1	86831	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64166B_86862	scaffold1365	NW_004516588.1	86862	TT	CC	CC	INTERGENIC		
SNP_64167B_87050	scaffold1365	NW_004516588.1	87050	CC	GG	GG	INTERGENIC		
SNP_64168B_87151	scaffold1365	NW_004516588.1	87151	CC	TT	TT	INTERGENIC		
SNP_64169B_89127	scaffold1365	NW_004516588.1	89127	GG	AA	AA	INTERGENIC		
SNP_64170B_95245	scaffold1365	NW_004516588.1	95245	GG	TT	TT	INTERGENIC		
SNP_64171B_95261	scaffold1365	NW_004516588.1	95261	AA	GG	GG	INTERGENIC		
SNP_64172B_96159	scaffold1365	NW_004516588.1	96159	GG	TT	TT	INTERGENIC		
SNP_64173B_96631	scaffold1365	NW_004516588.1	96631	AA	TT	TT	INTERGENIC		
SNP_64174B_96864	scaffold1365	NW_004516588.1	96864	GG	AA	AA	INTERGENIC		
SNP_64175B_97347	scaffold1365	NW_004516588.1	97347	CC	TT	TT	INTERGENIC		
SNP_64176B_97469	scaffold1365	NW_004516588.1	97469	TT	CC	CC	INTERGENIC		
SNP_64177B_98885	scaffold1365	NW_004516588.1	98885	CC	AA	AA	INTERGENIC		
SNP_64178B_98901	scaffold1365	NW_004516588.1	98901	TT	GG	GG	INTERGENIC		
SNP_64179B_99083	scaffold1365	NW_004516588.1	99083	AA	TT	TT	INTERGENIC		
SNP_64180B_99146	scaffold1365	NW_004516588.1	99146	AA	GG	GG	INTERGENIC		
SNP_64181B_99150	scaffold1365	NW_004516588.1	99150	GG	TT	TT	INTERGENIC		
SNP_64182B_99268	scaffold1365	NW_004516588.1	99268	CC	TT	TT	INTERGENIC		
SNP_64183B_99351	scaffold1365	NW_004516588.1	99351	CC	AA	AA	INTERGENIC		
SNP_64184B_102505	scaffold1365	NW_004516588.1	102505	AA	GG	GG	INTERGENIC		
SNP_64186B_104475	scaffold1365	NW_004516588.1	104475	AA	TT	TT	INTERGENIC		
SNP_64187B_104476	scaffold1365	NW_004516588.1	104476	TT	CC	CC	INTERGENIC		
SNP_64188B_558	scaffold1366	NW_004516589.1	558	GG	CC	CC	INTERGENIC		
SNP_64189B_561	scaffold1366	NW_004516589.1	561	GG	AA	AA	INTERGENIC		
SNP_64190B_689	scaffold1366	NW_004516589.1	689	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64191B_13423	scaffold1367	NW_004516590.1	13423	TT	CC	CC	INTERGENIC		
SNP_64193B_13445	scaffold1367	NW_004516590.1	13445	CC	TT	TT	INTERGENIC		
SNP_64194B_13672	scaffold1367	NW_004516590.1	13672	CC	TT	TT	INTERGENIC		
SNP_64195B_22363	scaffold1367	NW_004516590.1	22363	TT	GG	GG	INTERGENIC		
SNP_64196B_22418	scaffold1367	NW_004516590.1	22418	AA	TT	TT	INTERGENIC		
SNP_64197B_29606	scaffold1367	NW_004516590.1	29606	TT	GG	GG	INTERGENIC		
SNP_64198B_31184	scaffold1367	NW_004516590.1	31184	CC	TT	TT	INTERGENIC		
SNP_64199B_5212	scaffold1369	NW_004516592.1	5212	AA	GG	GG	DRR	101502641	PRA1 family protein A1-like
SNP_64200B_5227	scaffold1369	NW_004516592.1	5227	AA	TT	TT	DRR	101502641	PRA1 family protein A1-like
SNP_64201B_5229	scaffold1369	NW_004516592.1	5229	AA	GG	GG	DRR	101502641	PRA1 family protein A1-like
SNP_64202B_5240	scaffold1369	NW_004516592.1	5240	AA	GG	GG	DRR	101502641	PRA1 family protein A1-like
SNP_64203B_68091	scaffold1369	NW_004516592.1	68091	AA	CC	CC	INTERGENIC		
SNP_64204B_68092	scaffold1369	NW_004516592.1	68092	GG	AA	AA	INTERGENIC		
SNP_64205B_76676	scaffold1369	NW_004516592.1	76676	TT	CC	CC	INTRON	101504796	uncharacterized LOC101504796
SNP_64206B_76677	scaffold1369	NW_004516592.1	76677	CC	TT	TT	INTRON	101504796	uncharacterized LOC101504796
SNP_64207B_76679	scaffold1369	NW_004516592.1	76679	AA	GG	GG	INTRON	101504796	uncharacterized LOC101504796
SNP_64208B_76700	scaffold1369	NW_004516592.1	76700	TT	CC	CC	INTRON	101504796	uncharacterized LOC101504796
SNP_64209B_76702	scaffold1369	NW_004516592.1	76702	TT	CC	CC	INTRON	101504796	uncharacterized LOC101504796
SNP_64210B_76742	scaffold1369	NW_004516592.1	76742	AA	GG	GG	INTRON	101504796	uncharacterized LOC101504796
SNP_64211B_77014	scaffold1369	NW_004516592.1	77014	AA	GG	GG	INTRON	101504796	uncharacterized LOC101504796
SNP_64212B_77113	scaffold1369	NW_004516592.1	77113	TT	GG	GG	NON_SYNONYMOUS_CODING	101504796	uncharacterized LOC101504796
SNP_64213B_77140	scaffold1369	NW_004516592.1	77140	AA	GG	GG	SYNONYMOUS_CODING	101504796	uncharacterized LOC101504796
SNP_64214B_77199	scaffold1369	NW_004516592.1	77199	GG	TT	TT	NON_SYNONYMOUS_CODING	101504796	uncharacterized LOC101504796
SNP_64216B_81027	scaffold1369	NW_004516592.1	81027	AA	GG	GG	INTRON	101504796	uncharacterized LOC101504796

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64218B_196910	scaffold1369	NW_004516592.1	196910	GG	AA	AA	INTERGENIC		
SNP_64219B_196937	scaffold1369	NW_004516592.1	196937	CC	TT	TT	INTERGENIC		
SNP_64220B_197264	scaffold1369	NW_004516592.1	197264	GG	AA	AA	INTERGENIC		
SNP_64221B_211148	scaffold1369	NW_004516592.1	211148	TT	AA	AA	INTERGENIC		
SNP_64222B_22870	scaffold1370	NW_004516593.1	22870	AA	GG	GG	INTERGENIC		
SNP_64223B_27588	scaffold1370	NW_004516593.1	27588	GG	AA	AA	INTERGENIC		
SNP_64224B_27669	scaffold1370	NW_004516593.1	27669	AA	GG	GG	INTERGENIC		
SNP_64225B_27753	scaffold1370	NW_004516593.1	27753	AA	GG	GG	INTERGENIC		
SNP_64226B_27871	scaffold1370	NW_004516593.1	27871	TT	CC	CC	INTERGENIC		
SNP_64227B_27890	scaffold1370	NW_004516593.1	27890	TT	GG	GG	INTERGENIC		
SNP_64228B_27894	scaffold1370	NW_004516593.1	27894	AA	GG	GG	INTERGENIC		
SNP_64229B_27901	scaffold1370	NW_004516593.1	27901	AA	GG	GG	INTERGENIC		
SNP_64230B_27935	scaffold1370	NW_004516593.1	27935	GG	TT	TT	INTERGENIC		
SNP_64231B_27936	scaffold1370	NW_004516593.1	27936	CC	TT	TT	INTERGENIC		
SNP_64232B_27946	scaffold1370	NW_004516593.1	27946	AA	GG	GG	INTERGENIC		
SNP_64233B_27961	scaffold1370	NW_004516593.1	27961	CC	TT	TT	INTERGENIC		
SNP_64234B_27997	scaffold1370	NW_004516593.1	27997	GG	AA	AA	INTERGENIC		
SNP_64235B_28040	scaffold1370	NW_004516593.1	28040	TT	CC	CC	INTERGENIC		
SNP_64236B_84000	scaffold1370	NW_004516593.1	84000	CC	TT	TT	INTERGENIC		
SNP_64237B_84057	scaffold1370	NW_004516593.1	84057	AA	CC	CC	INTERGENIC		
SNP_64238B_86070	scaffold1370	NW_004516593.1	86070	AA	CC	CC	INTERGENIC		
SNP_64239B_86394	scaffold1370	NW_004516593.1	86394	CC	GG	GG	INTERGENIC		
SNP_64240B_86437	scaffold1370	NW_004516593.1	86437	GG	AA	AA	INTERGENIC		
SNP_64241B_26768	scaffold1371	NW_004516594.1	26768	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64242B_27162	scaffold1371	NW_004516594.1	27162	AA	GG	GG	INTERGENIC		
SNP_64243B_27294	scaffold1371	NW_004516594.1	27294	AA	TT	TT	INTERGENIC		
SNP_64244B_27363	scaffold1371	NW_004516594.1	27363	GG	AA	AA	INTERGENIC		
SNP_64245B_27418	scaffold1371	NW_004516594.1	27418	AA	GG	GG	INTERGENIC		
SNP_64246B_27423	scaffold1371	NW_004516594.1	27423	CC	TT	TT	INTERGENIC		
SNP_64247B_27526	scaffold1371	NW_004516594.1	27526	TT	CC	CC	INTERGENIC		
SNP_64248B_27548	scaffold1371	NW_004516594.1	27548	GG	AA	AA	INTERGENIC		
SNP_64249B_27667	scaffold1371	NW_004516594.1	27667	TT	CC	CC	INTERGENIC		
SNP_64250B_44796	scaffold1371	NW_004516594.1	44796	AA	GG	GG	INTERGENIC		
SNP_64251B_65095	scaffold1371	NW_004516594.1	65095	AA	GG	GG	INTERGENIC		
SNP_64252B_65139	scaffold1371	NW_004516594.1	65139	AA	TT	TT	INTERGENIC		
SNP_64253B_65152	scaffold1371	NW_004516594.1	65152	AA	GG	GG	INTERGENIC		
SNP_64254B_65181	scaffold1371	NW_004516594.1	65181	TT	CC	CC	INTERGENIC		
SNP_64255B_65187	scaffold1371	NW_004516594.1	65187	TT	CC	CC	INTERGENIC		
SNP_64256B_65212	scaffold1371	NW_004516594.1	65212	AA	GG	GG	INTERGENIC		
SNP_64257B_65257	scaffold1371	NW_004516594.1	65257	AA	GG	GG	INTERGENIC		
SNP_64258B_66609	scaffold1371	NW_004516594.1	66609	AA	GG	GG	INTERGENIC		
SNP_64259B_66817	scaffold1371	NW_004516594.1	66817	AA	GG	GG	INTERGENIC		
SNP_64260B_69749	scaffold1371	NW_004516594.1	69749	CC	AA	AA	INTERGENIC		
SNP_64261B_4930	scaffold1372	NW_004516595.1	4930	GG	AA	AA	INTERGENIC		
SNP_64262B_4778	scaffold1373	NW_004516596.1	4778	GG	TT	TT	INTERGENIC		
SNP_64263B_989	scaffold1376	NW_004516597.1	989	AA	GG	GG	INTERGENIC		
SNP_64264B_1516	scaffold1376	NW_004516597.1	1516	TT	CC	CC	INTERGENIC		
SNP_64265B_21815	scaffold1376	NW_004516597.1	21815	AA	GG	GG	NON_SYNONYMOUS_CODING	101507808	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64266B_21816	scaffold1376	NW_004516597.1	21816	AA	CC	CC	NON_SYNONYMOUS_CODING	101507808	Unknown function
SNP_64267B_21839	scaffold1376	NW_004516597.1	21839	AA	GG	GG	NON_SYNONYMOUS_CODING	101507808	Unknown function
SNP_64268B_21854	scaffold1376	NW_004516597.1	21854	GG	AA	AA	NON_SYNONYMOUS_CODING	101507808	Unknown function
SNP_64269B_21859	scaffold1376	NW_004516597.1	21859	TT	CC	CC	STOP_LOST	101507808	Unknown function
SNP_64270B_21877	scaffold1376	NW_004516597.1	21877	TT	CC	CC	NON_SYNONYMOUS_CODING	101507808	Unknown function
SNP_64271B_21943	scaffold1376	NW_004516597.1	21943	TT	CC	CC	INTRON	101507808	Unknown function
SNP_64272B_22232	scaffold1376	NW_004516597.1	22232	GG	AA	AA	NON_SYNONYMOUS_CODING	101507808	Unknown function
SNP_64273B_22235	scaffold1376	NW_004516597.1	22235	AA	GG	GG	NON_SYNONYMOUS_CODING	101507808	Unknown function
SNP_64274B_22250	scaffold1376	NW_004516597.1	22250	AA	GG	GG	NON_SYNONYMOUS_CODING	101507808	Unknown function
SNP_64275B_22262	scaffold1376	NW_004516597.1	22262	TT	CC	CC	NON_SYNONYMOUS_CODING	101507808	Unknown function
SNP_64276B_22268	scaffold1376	NW_004516597.1	22268	GG	AA	AA	NON_SYNONYMOUS_CODING	101507808	Unknown function
SNP_64277B_22269	scaffold1376	NW_004516597.1	22269	TT	AA	AA	NON_SYNONYMOUS_CODING	101507808	Unknown function
SNP_64278B_22273	scaffold1376	NW_004516597.1	22273	AA	GG	GG	SYNONYMOUS_CODING	101507808	Unknown function
SNP_64279B_22901	scaffold1376	NW_004516597.1	22901	CC	TT	TT	URR	101507808	Unknown function
SNP_64280B_54150	scaffold1376	NW_004516597.1	54150	CC	AA	AA	INTERGENIC		
SNP_64281B_54155	scaffold1376	NW_004516597.1	54155	GG	TT	TT	INTERGENIC		
SNP_64282B_54222	scaffold1376	NW_004516597.1	54222	AA	GG	GG	INTERGENIC		
SNP_64283B_54252	scaffold1376	NW_004516597.1	54252	TT	CC	CC	INTERGENIC		
SNP_64284B_57796	scaffold1376	NW_004516597.1	57796	TT	CC	CC	INTERGENIC		
SNP_64285B_57803	scaffold1376	NW_004516597.1	57803	TT	CC	CC	INTERGENIC		
SNP_64286B_57806	scaffold1376	NW_004516597.1	57806	GG	AA	AA	INTERGENIC		
SNP_64287B_57809	scaffold1376	NW_004516597.1	57809	AA	CC	CC	INTERGENIC		
SNP_64288B_57819	scaffold1376	NW_004516597.1	57819	AA	GG	GG	INTERGENIC		
SNP_64289B_57835	scaffold1376	NW_004516597.1	57835	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64290B_57839	scaffold1376	NW_004516597.1	57839	AA	GG	GG	INTERGENIC		
SNP_64291B_57845	scaffold1376	NW_004516597.1	57845	TT	AA	AA	INTERGENIC		
SNP_64292B_57853	scaffold1376	NW_004516597.1	57853	AA	GG	GG	INTERGENIC		
SNP_64293B_57870	scaffold1376	NW_004516597.1	57870	TT	CC	CC	INTERGENIC		
SNP_64294B_57872	scaffold1376	NW_004516597.1	57872	GG	AA	AA	INTERGENIC		
SNP_64295B_57884	scaffold1376	NW_004516597.1	57884	TT	GG	GG	INTERGENIC		
SNP_64296B_57889	scaffold1376	NW_004516597.1	57889	CC	AA	AA	INTERGENIC		
SNP_64297B_57905	scaffold1376	NW_004516597.1	57905	TT	CC	CC	INTERGENIC		
SNP_64298B_57929	scaffold1376	NW_004516597.1	57929	CC	TT	TT	INTERGENIC		
SNP_64299B_57971	scaffold1376	NW_004516597.1	57971	TT	CC	CC	INTERGENIC		
SNP_64300B_57996	scaffold1376	NW_004516597.1	57996	CC	TT	TT	INTERGENIC		
SNP_64301B_58004	scaffold1376	NW_004516597.1	58004	CC	TT	TT	INTERGENIC		
SNP_64302B_58009	scaffold1376	NW_004516597.1	58009	GG	AA	AA	INTERGENIC		
SNP_64303B_58034	scaffold1376	NW_004516597.1	58034	AA	GG	GG	INTERGENIC		
SNP_64304B_58161	scaffold1376	NW_004516597.1	58161	GG	AA	AA	INTERGENIC		
SNP_64305B_58266	scaffold1376	NW_004516597.1	58266	TT	AA	AA	INTERGENIC		
SNP_64306B_58371	scaffold1376	NW_004516597.1	58371	CC	AA	AA	INTERGENIC		
SNP_64307B_58383	scaffold1376	NW_004516597.1	58383	AA	GG	GG	INTERGENIC		
SNP_64308B_58403	scaffold1376	NW_004516597.1	58403	TT	CC	CC	INTERGENIC		
SNP_64309B_66175	scaffold1376	NW_004516597.1	66175	CC	TT	TT	INTERGENIC		
SNP_64310B_66227	scaffold1376	NW_004516597.1	66227	AA	GG	GG	INTERGENIC		
SNP_64311B_66273	scaffold1376	NW_004516597.1	66273	GG	AA	AA	INTERGENIC		
SNP_64312B_66274	scaffold1376	NW_004516597.1	66274	AA	GG	GG	INTERGENIC		
SNP_64313B_66466	scaffold1376	NW_004516597.1	66466	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64314B_66493	scaffold1376	NW_004516597.1	66493	AA	GG	GG	INTERGENIC		
SNP_64315B_66655	scaffold1376	NW_004516597.1	66655	TT	CC	CC	INTERGENIC		
SNP_64316B_69130	scaffold1376	NW_004516597.1	69130	CC	AA	AA	INTERGENIC		
SNP_64317B_69624	scaffold1376	NW_004516597.1	69624	GG	AA	AA	INTERGENIC		
SNP_64318B_69648	scaffold1376	NW_004516597.1	69648	CC	AA	AA	INTERGENIC		
SNP_64319B_1726	scaffold1380	NW_004516600.1	1726	AA	GG	GG	INTERGENIC		
SNP_64320B_1828	scaffold1380	NW_004516600.1	1828	GG	CC	CC	INTERGENIC		
SNP_64321B_4708	scaffold1380	NW_004516600.1	4708	TT	AA	AA	INTERGENIC		
SNP_64322B_5103	scaffold1380	NW_004516600.1	5103	GG	AA	AA	INTERGENIC		
SNP_64324B_6440	scaffold1380	NW_004516600.1	6440	AA	CC	CC	INTERGENIC		
SNP_64325B_6505	scaffold1380	NW_004516600.1	6505	TT	CC	CC	INTERGENIC		
SNP_64326B_7938	scaffold1380	NW_004516600.1	7938	GG	AA	AA	INTERGENIC		
SNP_64327B_7973	scaffold1380	NW_004516600.1	7973	AA	TT	TT	INTERGENIC		
SNP_64328B_7977	scaffold1380	NW_004516600.1	7977	AA	GG	GG	INTERGENIC		
SNP_64329B_8337	scaffold1380	NW_004516600.1	8337	AA	GG	GG	INTERGENIC		
SNP_64330B_8355	scaffold1380	NW_004516600.1	8355	GG	AA	AA	INTERGENIC		
SNP_64331B_10287	scaffold1380	NW_004516600.1	10287	AA	GG	GG	INTERGENIC		
SNP_64332B_10723	scaffold1380	NW_004516600.1	10723	GG	AA	AA	INTERGENIC		
SNP_64333B_10759	scaffold1380	NW_004516600.1	10759	TT	GG	GG	INTERGENIC		
SNP_64334B_12202	scaffold1380	NW_004516600.1	12202	CC	TT	TT	INTERGENIC		
SNP_64335B_4622	scaffold1382	NW_004516601.1	4622	GG	AA	AA	INTERGENIC		
SNP_64336B_111392	scaffold1382	NW_004516601.1	111392	TT	GG	GG	INTERGENIC		
SNP_64337B_127745	scaffold1382	NW_004516601.1	127745	GG	TT	TT	INTERGENIC		
SNP_64338B_223197	scaffold1382	NW_004516601.1	223197	TT	AA	AA	INTRON	101511012	uncharacterized LOC101511012

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64339B_225591	scaffold1382	NW_004516601.1	225591	AA	GG	GG	INTRON	101511012	uncharacterized LOC101511012
SNP_64340B_225629	scaffold1382	NW_004516601.1	225629	AA	TT	TT	INTRON	101511012	uncharacterized LOC101511012
SNP_64341B_225633	scaffold1382	NW_004516601.1	225633	AA	GG	GG	INTRON	101511012	uncharacterized LOC101511012
SNP_64342B_225691	scaffold1382	NW_004516601.1	225691	TT	AA	AA	INTRON	101511012	uncharacterized LOC101511012
SNP_64343B_225886	scaffold1382	NW_004516601.1	225886	AA	GG	GG	INTRON	101511012	uncharacterized LOC101511012
SNP_64344B_225949	scaffold1382	NW_004516601.1	225949	GG	TT	TT	INTRON	101511012	uncharacterized LOC101511012
SNP_64345B_225960	scaffold1382	NW_004516601.1	225960	CC	GG	GG	INTRON	101511012	uncharacterized LOC101511012
SNP_64346B_225971	scaffold1382	NW_004516601.1	225971	CC	AA	AA	INTRON	101511012	uncharacterized LOC101511012
SNP_64347B_234112	scaffold1382	NW_004516601.1	234112	TT	GG	GG	INTRON	101511012	uncharacterized LOC101511012
SNP_64348B_234117	scaffold1382	NW_004516601.1	234117	CC	TT	TT	INTRON	101511012	uncharacterized LOC101511012
SNP_64349B_234151	scaffold1382	NW_004516601.1	234151	TT	CC	CC	INTRON	101511012	uncharacterized LOC101511012
SNP_64350B_234157	scaffold1382	NW_004516601.1	234157	TT	AA	AA	INTRON	101511012	uncharacterized LOC101511012
SNP_64351B_234168	scaffold1382	NW_004516601.1	234168	CC	TT	TT	INTRON	101511012	uncharacterized LOC101511012
SNP_64352B_234176	scaffold1382	NW_004516601.1	234176	AA	GG	GG	INTRON	101511012	uncharacterized LOC101511012
SNP_64353B_281777	scaffold1382	NW_004516601.1	281777	TT	CC	CC	INTERGENIC		
SNP_64354B_281778	scaffold1382	NW_004516601.1	281778	TT	CC	CC	INTERGENIC		
SNP_64355B_281791	scaffold1382	NW_004516601.1	281791	TT	CC	CC	INTERGENIC		
SNP_64356B_281829	scaffold1382	NW_004516601.1	281829	TT	CC	CC	INTERGENIC		
SNP_64357B_281851	scaffold1382	NW_004516601.1	281851	CC	TT	TT	INTERGENIC		
SNP_64358B_281869	scaffold1382	NW_004516601.1	281869	AA	CC	CC	INTERGENIC		
SNP_64359B_281913	scaffold1382	NW_004516601.1	281913	CC	GG	GG	INTERGENIC		
SNP_64360B_282090	scaffold1382	NW_004516601.1	282090	TT	CC	CC	INTERGENIC		
SNP_64361B_282164	scaffold1382	NW_004516601.1	282164	CC	TT	TT	INTERGENIC		
SNP_64362B_290346	scaffold1382	NW_004516601.1	290346	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64363B_290365	scaffold1382	NW_004516601.1	290365	CC	GG	GG	INTERGENIC		
SNP_64364B_290367	scaffold1382	NW_004516601.1	290367	CC	TT	TT	INTERGENIC		
SNP_64365B_290368	scaffold1382	NW_004516601.1	290368	CC	GG	GG	INTERGENIC		
SNP_64366B_292107	scaffold1382	NW_004516601.1	292107	AA	CC	CC	INTERGENIC		
SNP_64367B_292264	scaffold1382	NW_004516601.1	292264	TT	CC	CC	INTERGENIC		
SNP_64368B_292601	scaffold1382	NW_004516601.1	292601	TT	AA	AA	INTERGENIC		
SNP_64369B_292654	scaffold1382	NW_004516601.1	292654	CC	AA	AA	INTERGENIC		
SNP_64370B_292711	scaffold1382	NW_004516601.1	292711	GG	AA	AA	INTERGENIC		
SNP_64371B_292945	scaffold1382	NW_004516601.1	292945	CC	TT	TT	INTERGENIC		
SNP_64372B_293589	scaffold1382	NW_004516601.1	293589	AA	CC	CC	INTERGENIC		
SNP_64373B_293591	scaffold1382	NW_004516601.1	293591	CC	GG	GG	INTERGENIC		
SNP_64374B_293592	scaffold1382	NW_004516601.1	293592	CC	AA	AA	INTERGENIC		
SNP_64375B_293801	scaffold1382	NW_004516601.1	293801	GG	AA	AA	INTERGENIC		
SNP_64376B_293945	scaffold1382	NW_004516601.1	293945	TT	AA	AA	INTERGENIC		
SNP_64377B_293960	scaffold1382	NW_004516601.1	293960	TT	AA	AA	INTERGENIC		
SNP_64378B_294103	scaffold1382	NW_004516601.1	294103	CC	TT	TT	INTERGENIC		
SNP_64379B_294110	scaffold1382	NW_004516601.1	294110	CC	AA	AA	INTERGENIC		
SNP_64380B_294170	scaffold1382	NW_004516601.1	294170	CC	TT	TT	INTERGENIC		
SNP_64381B_294189	scaffold1382	NW_004516601.1	294189	TT	AA	AA	INTERGENIC		
SNP_64382B_294228	scaffold1382	NW_004516601.1	294228	AA	GG	GG	INTERGENIC		
SNP_64383B_294309	scaffold1382	NW_004516601.1	294309	GG	TT	TT	INTERGENIC		
SNP_64385B_295256	scaffold1382	NW_004516601.1	295256	TT	AA	AA	INTERGENIC		
SNP_64386B_295348	scaffold1382	NW_004516601.1	295348	AA	CC	CC	INTERGENIC		
SNP_64387B_295406	scaffold1382	NW_004516601.1	295406	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64388B_295415	scaffold1382	NW_004516601.1	295415	CC	GG	GG	INTERGENIC		
SNP_64389B_295424	scaffold1382	NW_004516601.1	295424	GG	AA	AA	INTERGENIC		
SNP_64390B_295455	scaffold1382	NW_004516601.1	295455	GG	TT	TT	INTERGENIC		
SNP_64391B_295504	scaffold1382	NW_004516601.1	295504	GG	CC	CC	INTERGENIC		
SNP_64392B_295505	scaffold1382	NW_004516601.1	295505	AA	GG	GG	INTERGENIC		
SNP_64393B_295693	scaffold1382	NW_004516601.1	295693	AA	GG	GG	INTERGENIC		
SNP_64394B_295849	scaffold1382	NW_004516601.1	295849	TT	CC	CC	INTERGENIC		
SNP_64396B_295887	scaffold1382	NW_004516601.1	295887	CC	GG	GG	INTERGENIC		
SNP_64397B_296079	scaffold1382	NW_004516601.1	296079	AA	TT	TT	INTERGENIC		
SNP_64398B_296156	scaffold1382	NW_004516601.1	296156	CC	TT	TT	INTERGENIC		
SNP_64399B_296177	scaffold1382	NW_004516601.1	296177	AA	TT	TT	INTERGENIC		
SNP_64400B_296252	scaffold1382	NW_004516601.1	296252	AA	TT	TT	INTERGENIC		
SNP_64401B_296377	scaffold1382	NW_004516601.1	296377	CC	GG	GG	INTERGENIC		
SNP_64402B_296436	scaffold1382	NW_004516601.1	296436	CC	TT	TT	INTERGENIC		
SNP_64403B_296439	scaffold1382	NW_004516601.1	296439	CC	GG	GG	INTERGENIC		
SNP_64404B_296496	scaffold1382	NW_004516601.1	296496	TT	CC	CC	INTERGENIC		
SNP_64405B_296497	scaffold1382	NW_004516601.1	296497	GG	TT	TT	INTERGENIC		
SNP_64406B_296503	scaffold1382	NW_004516601.1	296503	GG	AA	AA	INTERGENIC		
SNP_64407B_296544	scaffold1382	NW_004516601.1	296544	TT	CC	CC	INTERGENIC		
SNP_64408B_296583	scaffold1382	NW_004516601.1	296583	TT	CC	CC	INTERGENIC		
SNP_64409B_296722	scaffold1382	NW_004516601.1	296722	CC	GG	GG	INTERGENIC		
SNP_64410B_296728	scaffold1382	NW_004516601.1	296728	TT	AA	AA	INTERGENIC		
SNP_64411B_296735	scaffold1382	NW_004516601.1	296735	TT	CC	CC	INTERGENIC		
SNP_64412B_296763	scaffold1382	NW_004516601.1	296763	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64413B_296900	scaffold1382	NW_004516601.1	296900	TT	CC	CC	INTERGENIC		
SNP_64414B_317598	scaffold1382	NW_004516601.1	317598	TT	CC	CC	INTERGENIC		
SNP_64415B_317602	scaffold1382	NW_004516601.1	317602	TT	GG	GG	INTERGENIC		
SNP_64416B_339063	scaffold1382	NW_004516601.1	339063	TT	AA	AA	INTERGENIC		
SNP_64417B_339369	scaffold1382	NW_004516601.1	339369	TT	GG	GG	INTERGENIC		
SNP_64418B_339472	scaffold1382	NW_004516601.1	339472	AA	CC	CC	INTERGENIC		
SNP_64419B_354520	scaffold1382	NW_004516601.1	354520	TT	AA	AA	INTERGENIC		
SNP_64420B_370226	scaffold1382	NW_004516601.1	370226	CC	AA	AA	INTERGENIC		
SNP_64421B_373990	scaffold1382	NW_004516601.1	373990	GG	TT	TT	INTERGENIC		
SNP_64422B_397357	scaffold1382	NW_004516601.1	397357	AA	GG	GG	URR	101511645	Unknown function
SNP_64423B_397376	scaffold1382	NW_004516601.1	397376	TT	AA	AA	URR	101511645	Unknown function
SNP_64424B_397390	scaffold1382	NW_004516601.1	397390	TT	CC	CC	URR	101511645	Unknown function
SNP_64425B_397395	scaffold1382	NW_004516601.1	397395	TT	GG	GG	URR	101511645	Unknown function
SNP_64426B_414485	scaffold1382	NW_004516601.1	414485	AA	GG	GG	INTERGENIC		
SNP_64427B_417684	scaffold1382	NW_004516601.1	417684	AA	CC	CC	INTERGENIC		
SNP_64428B_424348	scaffold1382	NW_004516601.1	424348	AA	GG	GG	INTERGENIC		
SNP_64429B_424477	scaffold1382	NW_004516601.1	424477	AA	GG	GG	INTERGENIC		
SNP_64430B_449426	scaffold1382	NW_004516601.1	449426	AA	TT	TT	INTERGENIC		
SNP_64431B_457020	scaffold1382	NW_004516601.1	457020	TT	CC	CC	INTERGENIC		
SNP_64432B_526517	scaffold1382	NW_004516601.1	526517	CC	TT	TT	INTERGENIC		
SNP_64433B_526519	scaffold1382	NW_004516601.1	526519	CC	TT	TT	INTERGENIC		
SNP_64434B_526539	scaffold1382	NW_004516601.1	526539	CC	TT	TT	INTERGENIC		
SNP_64435B_526553	scaffold1382	NW_004516601.1	526553	TT	GG	GG	INTERGENIC		
SNP_64436B_526577	scaffold1382	NW_004516601.1	526577	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64437B_527005	scaffold1382	NW_004516601.1	527005	CC	TT	TT	INTERGENIC		
SNP_64438B_536517	scaffold1382	NW_004516601.1	536517	AA	GG	GG	INTERGENIC		
SNP_64439B_536525	scaffold1382	NW_004516601.1	536525	GG	TT	TT	INTERGENIC		
SNP_64440B_536528	scaffold1382	NW_004516601.1	536528	AA	GG	GG	INTERGENIC		
SNP_64441B_536531	scaffold1382	NW_004516601.1	536531	AA	CC	CC	INTERGENIC		
SNP_64442B_536640	scaffold1382	NW_004516601.1	536640	CC	TT	TT	INTERGENIC		
SNP_64443B_536701	scaffold1382	NW_004516601.1	536701	CC	AA	AA	INTERGENIC		
SNP_64444B_536742	scaffold1382	NW_004516601.1	536742	AA	TT	TT	INTERGENIC		
SNP_64445B_536769	scaffold1382	NW_004516601.1	536769	GG	CC	CC	INTERGENIC		
SNP_64446B_536839	scaffold1382	NW_004516601.1	536839	AA	GG	GG	INTERGENIC		
SNP_64447B_536952	scaffold1382	NW_004516601.1	536952	CC	GG	GG	INTERGENIC		
SNP_64448B_536961	scaffold1382	NW_004516601.1	536961	TT	GG	GG	INTERGENIC		
SNP_64449B_537025	scaffold1382	NW_004516601.1	537025	CC	AA	AA	INTERGENIC		
SNP_64450B_537062	scaffold1382	NW_004516601.1	537062	TT	GG	GG	INTERGENIC		
SNP_64452B_4394	scaffold1386	NW_004516603.1	4394	CC	TT	TT	INTERGENIC		
SNP_64453B_7440	scaffold1386	NW_004516603.1	7440	CC	TT	TT	INTERGENIC		
SNP_64454B_7500	scaffold1386	NW_004516603.1	7500	CC	AA	AA	INTERGENIC		
SNP_64455B_7822	scaffold1386	NW_004516603.1	7822	AA	TT	TT	INTERGENIC		
SNP_64456B_7829	scaffold1386	NW_004516603.1	7829	TT	AA	AA	INTERGENIC		
SNP_64457B_13516	scaffold1386	NW_004516603.1	13516	GG	TT	TT	INTERGENIC		
SNP_64458B_13590	scaffold1386	NW_004516603.1	13590	GG	AA	AA	INTERGENIC		
SNP_64459B_13604	scaffold1386	NW_004516603.1	13604	CC	TT	TT	INTERGENIC		
SNP_64461B_13659	scaffold1386	NW_004516603.1	13659	TT	CC	CC	INTERGENIC		
SNP_64462B_13671	scaffold1386	NW_004516603.1	13671	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64463B_13699	scaffold1386	NW_004516603.1	13699	GG	AA	AA	INTERGENIC		
SNP_64464B_13707	scaffold1386	NW_004516603.1	13707	AA	TT	TT	INTERGENIC		
SNP_64465B_13710	scaffold1386	NW_004516603.1	13710	TT	AA	AA	INTERGENIC		
SNP_64466B_13862	scaffold1386	NW_004516603.1	13862	GG	AA	AA	INTERGENIC		
SNP_64467B_13895	scaffold1386	NW_004516603.1	13895	AA	GG	GG	INTERGENIC		
SNP_64468B_13907	scaffold1386	NW_004516603.1	13907	AA	GG	GG	INTERGENIC		
SNP_64469B_38507	scaffold1386	NW_004516603.1	38507	AA	GG	GG	INTERGENIC		
SNP_64470B_8562	scaffold1390	NW_004516606.1	8562	CC	TT	TT	INTERGENIC		
SNP_64471B_8573	scaffold1390	NW_004516606.1	8573	TT	CC	CC	INTERGENIC		
SNP_64472B_10301	scaffold1390	NW_004516606.1	10301	GG	AA	AA	INTERGENIC		
SNP_64473B_30811	scaffold1390	NW_004516606.1	30811	AA	TT	TT	INTERGENIC		
SNP_64474B_30813	scaffold1390	NW_004516606.1	30813	TT	CC	CC	INTERGENIC		
SNP_64476B_38493	scaffold1390	NW_004516606.1	38493	AA	GG	GG	INTERGENIC		
SNP_64477B_38495	scaffold1390	NW_004516606.1	38495	GG	TT	TT	INTERGENIC		
SNP_64478B_58667	scaffold1390	NW_004516606.1	58667	AA	TT	TT	INTERGENIC		
SNP_64479B_86338	scaffold1390	NW_004516606.1	86338	TT	AA	AA	INTERGENIC		
SNP_64480B_86342	scaffold1390	NW_004516606.1	86342	AA	TT	TT	INTERGENIC		
SNP_64481B_86358	scaffold1390	NW_004516606.1	86358	CC	GG	GG	INTERGENIC		
SNP_64482B_86362	scaffold1390	NW_004516606.1	86362	TT	CC	CC	INTERGENIC		
SNP_64484B_3242	scaffold1394	NW_004516609.1	3242	TT	CC	CC	INTERGENIC		
SNP_64485B_5475	scaffold1394	NW_004516609.1	5475	AA	GG	GG	INTERGENIC		
SNP_64486B_5519	scaffold1394	NW_004516609.1	5519	TT	CC	CC	INTERGENIC		
SNP_64487B_12007	scaffold1394	NW_004516609.1	12007	TT	CC	CC	INTERGENIC		
SNP_64488B_12130	scaffold1394	NW_004516609.1	12130	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64489B_12219	scaffold1394	NW_004516609.1	12219	GG	AA	AA	INTERGENIC		
SNP_64490B_12223	scaffold1394	NW_004516609.1	12223	CC	AA	AA	INTERGENIC		
SNP_64491B_12374	scaffold1394	NW_004516609.1	12374	AA	GG	GG	INTERGENIC		
SNP_64492B_12415	scaffold1394	NW_004516609.1	12415	AA	TT	TT	INTERGENIC		
SNP_64493B_12440	scaffold1394	NW_004516609.1	12440	TT	CC	CC	INTERGENIC		
SNP_64494B_12497	scaffold1394	NW_004516609.1	12497	GG	TT	TT	INTERGENIC		
SNP_64495B_12510	scaffold1394	NW_004516609.1	12510	GG	AA	AA	INTERGENIC		
SNP_64496B_12578	scaffold1394	NW_004516609.1	12578	TT	CC	CC	INTERGENIC		
SNP_64497B_25567	scaffold1394	NW_004516609.1	25567	GG	AA	AA	INTERGENIC		
SNP_64498B_30679	scaffold1394	NW_004516609.1	30679	AA	GG	GG	INTERGENIC		
SNP_64499B_30682	scaffold1394	NW_004516609.1	30682	AA	GG	GG	INTERGENIC		
SNP_64500B_30686	scaffold1394	NW_004516609.1	30686	TT	AA	AA	INTERGENIC		
SNP_64501B_1489	scaffold1399	NW_004516612.1	1489	AA	CC	CC	INTERGENIC		
SNP_64502B_1504	scaffold1399	NW_004516612.1	1504	CC	TT	TT	INTERGENIC		
SNP_64503B_5853	scaffold1399	NW_004516612.1	5853	GG	CC	CC	INTERGENIC		
SNP_64504B_5979	scaffold1399	NW_004516612.1	5979	CC	TT	TT	INTERGENIC		
SNP_64505B_18964	scaffold1399	NW_004516612.1	18964	AA	GG	GG	INTERGENIC		
SNP_64506B_19032	scaffold1399	NW_004516612.1	19032	CC	TT	TT	INTERGENIC		
SNP_64507B_19377	scaffold1399	NW_004516612.1	19377	CC	AA	AA	INTERGENIC		
SNP_64508B_2674	scaffold1401	NW_004516614.1	2674	TT	GG	GG	INTRON	101513596	pentatricopeptide repeat-containing protein At1g62670, mitochondrial-like
SNP_64509B_2992	scaffold1401	NW_004516614.1	2992	CC	TT	TT	INTRON	101513596	pentatricopeptide repeat-containing protein At1g62670, mitochondrial-like
SNP_64510B_3005	scaffold1401	NW_004516614.1	3005	GG	AA	AA	INTRON	101513596	pentatricopeptide repeat-containing protein At1g62670, mitochondrial-like
SNP_64511B_25673	scaffold1401	NW_004516614.1	25673	TT	CC	CC	INTRON	101514450	cucumisin-like
SNP_64512B_25924	scaffold1401	NW_004516614.1	25924	TT	CC	CC	INTRON	101514450	cucumisin-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64513B_63125	scaffold1401	NW_004516614.1	63125	GG	TT	TT	INTERGENIC		
SNP_64514B_67483	scaffold1401	NW_004516614.1	67483	CC	GG	GG	DRR	101514254	Unknown function
SNP_64515B_67713	scaffold1401	NW_004516614.1	67713	TT	CC	CC	NON_SYNONYMOUS_CODING	id212890	Unknown function
SNP_64516B_70853	scaffold1401	NW_004516614.1	70853	TT	CC	CC	INTERGENIC		
SNP_64517B_71193	scaffold1401	NW_004516614.1	71193	TT	CC	CC	INTERGENIC		
SNP_64518B_71485	scaffold1401	NW_004516614.1	71485	CC	TT	TT	INTERGENIC		
SNP_64519B_87793	scaffold1401	NW_004516614.1	87793	GG	CC	CC	INTRON	101515100	cucumisin-like
SNP_64520B_889	scaffold1403	NW_004516615.1	889	TT	AA	AA	INTERGENIC		
SNP_64521B_961	scaffold1403	NW_004516615.1	961	AA	GG	GG	INTERGENIC		
SNP_64522B_2965	scaffold1405	NW_004516617.1	2965	CC	AA	AA	INTERGENIC		
SNP_64523B_49	scaffold1408	NW_004516619.1	49	CC	TT	TT	INTERGENIC		
SNP_64524B_624	scaffold1408	NW_004516619.1	624	AA	GG	GG	INTERGENIC		
SNP_64525B_2211	scaffold1408	NW_004516619.1	2211	TT	CC	CC	INTERGENIC		
SNP_64526B_2699	scaffold1408	NW_004516619.1	2699	AA	GG	GG	INTERGENIC		
SNP_64527B_2874	scaffold1408	NW_004516619.1	2874	GG	TT	TT	INTERGENIC		
SNP_64528B_4933	scaffold1408	NW_004516619.1	4933	AA	GG	GG	INTERGENIC		
SNP_64529B_5273	scaffold1408	NW_004516619.1	5273	AA	GG	GG	INTERGENIC		
SNP_64530B_5330	scaffold1408	NW_004516619.1	5330	AA	TT	TT	INTERGENIC		
SNP_64531B_5505	scaffold1408	NW_004516619.1	5505	TT	CC	CC	INTERGENIC		
SNP_64532B_5949	scaffold1408	NW_004516619.1	5949	GG	TT	TT	INTERGENIC		
SNP_64533B_6239	scaffold1408	NW_004516619.1	6239	GG	TT	TT	INTERGENIC		
SNP_64534B_6591	scaffold1408	NW_004516619.1	6591	GG	AA	AA	INTERGENIC		
SNP_64535B_6705	scaffold1408	NW_004516619.1	6705	CC	AA	AA	INTERGENIC		
SNP_64536B_6991	scaffold1408	NW_004516619.1	6991	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64537B_7213	scaffold1408	NW_004516619.1	7213	GG	TT	TT	INTERGENIC		
SNP_64538B_7665	scaffold1408	NW_004516619.1	7665	AA	GG	GG	INTERGENIC		
SNP_64539B_7670	scaffold1408	NW_004516619.1	7670	AA	TT	TT	INTERGENIC		
SNP_64540B_7671	scaffold1408	NW_004516619.1	7671	TT	GG	GG	INTERGENIC		
SNP_64541B_7919	scaffold1408	NW_004516619.1	7919	TT	AA	AA	INTERGENIC		
SNP_64542B_9407	scaffold1408	NW_004516619.1	9407	AA	CC	CC	INTERGENIC		
SNP_64543B_9833	scaffold1408	NW_004516619.1	9833	GG	CC	CC	INTERGENIC		
SNP_64544B_10022	scaffold1408	NW_004516619.1	10022	AA	TT	TT	INTERGENIC		
SNP_64545B_10031	scaffold1408	NW_004516619.1	10031	GG	CC	CC	INTERGENIC		
SNP_64546B_10044	scaffold1408	NW_004516619.1	10044	TT	CC	CC	INTERGENIC		
SNP_64547B_10131	scaffold1408	NW_004516619.1	10131	AA	GG	GG	INTERGENIC		
SNP_64548B_10449	scaffold1408	NW_004516619.1	10449	TT	AA	AA	INTERGENIC		
SNP_64549B_10610	scaffold1408	NW_004516619.1	10610	GG	AA	AA	INTERGENIC		
SNP_64550B_10668	scaffold1408	NW_004516619.1	10668	TT	GG	GG	INTERGENIC		
SNP_64551B_10937	scaffold1408	NW_004516619.1	10937	GG	TT	TT	INTERGENIC		
SNP_64553B_11041	scaffold1408	NW_004516619.1	11041	TT	GG	GG	INTERGENIC		
SNP_64554B_11318	scaffold1408	NW_004516619.1	11318	CC	TT	TT	INTERGENIC		
SNP_64555B_11804	scaffold1408	NW_004516619.1	11804	CC	AA	AA	INTERGENIC		
SNP_64557B_11847	scaffold1408	NW_004516619.1	11847	AA	TT	TT	INTERGENIC		
SNP_64558B_11852	scaffold1408	NW_004516619.1	11852	AA	GG	GG	INTERGENIC		
SNP_64559B_12084	scaffold1408	NW_004516619.1	12084	CC	TT	TT	INTERGENIC		
SNP_64561B_16486	scaffold1408	NW_004516619.1	16486	AA	GG	GG	INTERGENIC		
SNP_64562B_16766	scaffold1408	NW_004516619.1	16766	AA	GG	GG	INTERGENIC		
SNP_64563B_18760	scaffold1408	NW_004516619.1	18760	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64564B_18836	scaffold1408	NW_004516619.1	18836	TT	AA	AA	INTERGENIC		
SNP_64565B_20316	scaffold1408	NW_004516619.1	20316	CC	AA	AA	INTERGENIC		
SNP_64566B_20385	scaffold1408	NW_004516619.1	20385	AA	TT	TT	INTERGENIC		
SNP_64567B_20442	scaffold1408	NW_004516619.1	20442	TT	AA	AA	INTERGENIC		
SNP_64569B_23814	scaffold1408	NW_004516619.1	23814	GG	AA	AA	INTERGENIC		
SNP_64570B_23870	scaffold1408	NW_004516619.1	23870	GG	TT	TT	INTERGENIC		
SNP_64571B_23986	scaffold1408	NW_004516619.1	23986	GG	TT	TT	INTERGENIC		
SNP_64572B_24607	scaffold1408	NW_004516619.1	24607	CC	TT	TT	INTERGENIC		
SNP_64575B_25071	scaffold1408	NW_004516619.1	25071	GG	TT	TT	INTERGENIC		
SNP_64576B_25112	scaffold1408	NW_004516619.1	25112	AA	GG	GG	INTERGENIC		
SNP_64577B_25228	scaffold1408	NW_004516619.1	25228	CC	GG	GG	INTERGENIC		
SNP_64578B_25233	scaffold1408	NW_004516619.1	25233	AA	CC	CC	INTERGENIC		
SNP_64580B_26180	scaffold1408	NW_004516619.1	26180	TT	GG	GG	INTERGENIC		
SNP_64581B_26338	scaffold1408	NW_004516619.1	26338	CC	GG	GG	INTERGENIC		
SNP_64582B_26395	scaffold1408	NW_004516619.1	26395	TT	AA	AA	INTERGENIC		
SNP_64583B_26413	scaffold1408	NW_004516619.1	26413	AA	TT	TT	INTERGENIC		
SNP_64584B_26414	scaffold1408	NW_004516619.1	26414	TT	AA	AA	INTERGENIC		
SNP_64585B_26485	scaffold1408	NW_004516619.1	26485	AA	TT	TT	INTERGENIC		
SNP_64586B_26651	scaffold1408	NW_004516619.1	26651	TT	AA	AA	INTERGENIC		
SNP_64587B_26688	scaffold1408	NW_004516619.1	26688	GG	TT	TT	INTERGENIC		
SNP_64588B_26751	scaffold1408	NW_004516619.1	26751	AA	CC	CC	INTERGENIC		
SNP_64589B_26756	scaffold1408	NW_004516619.1	26756	CC	TT	TT	INTERGENIC		
SNP_64590B_26762	scaffold1408	NW_004516619.1	26762	CC	TT	TT	INTERGENIC		
SNP_64591B_26768	scaffold1408	NW_004516619.1	26768	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64592B_26991	scaffold1408	NW_004516619.1	26991	TT	AA	AA	INTERGENIC		
SNP_64593B_27035	scaffold1408	NW_004516619.1	27035	GG	AA	AA	INTERGENIC		
SNP_64594B_27277	scaffold1408	NW_004516619.1	27277	CC	TT	TT	INTERGENIC		
SNP_64595B_27372	scaffold1408	NW_004516619.1	27372	AA	TT	TT	INTERGENIC		
SNP_64596B_27479	scaffold1408	NW_004516619.1	27479	GG	TT	TT	INTERGENIC		
SNP_64597B_28025	scaffold1408	NW_004516619.1	28025	TT	CC	CC	INTERGENIC		
SNP_64598B_28129	scaffold1408	NW_004516619.1	28129	TT	AA	AA	INTERGENIC		
SNP_64599B_28182	scaffold1408	NW_004516619.1	28182	TT	GG	GG	INTERGENIC		
SNP_64600B_29283	scaffold1408	NW_004516619.1	29283	AA	TT	TT	INTERGENIC		
SNP_64601B_29302	scaffold1408	NW_004516619.1	29302	TT	GG	GG	INTERGENIC		
SNP_64602B_29303	scaffold1408	NW_004516619.1	29303	AA	TT	TT	INTERGENIC		
SNP_64603B_29328	scaffold1408	NW_004516619.1	29328	CC	TT	TT	INTERGENIC		
SNP_64604B_29389	scaffold1408	NW_004516619.1	29389	AA	GG	GG	INTERGENIC		
SNP_64605B_29441	scaffold1408	NW_004516619.1	29441	AA	GG	GG	INTERGENIC		
SNP_64606B_34804	scaffold1408	NW_004516619.1	34804	AA	GG	GG	INTERGENIC		
SNP_64607B_34962	scaffold1408	NW_004516619.1	34962	TT	CC	CC	INTERGENIC		
SNP_64608B_34963	scaffold1408	NW_004516619.1	34963	GG	AA	AA	INTERGENIC		
SNP_64609B_34994	scaffold1408	NW_004516619.1	34994	TT	CC	CC	INTERGENIC		
SNP_64610B_37063	scaffold1408	NW_004516619.1	37063	GG	AA	AA	INTERGENIC		
SNP_64611B_37111	scaffold1408	NW_004516619.1	37111	AA	GG	GG	INTERGENIC		
SNP_64612B_37147	scaffold1408	NW_004516619.1	37147	TT	AA	AA	INTERGENIC		
SNP_64613B_37165	scaffold1408	NW_004516619.1	37165	AA	CC	CC	INTERGENIC		
SNP_64614B_37299	scaffold1408	NW_004516619.1	37299	GG	AA	AA	INTERGENIC		
SNP_64615B_37326	scaffold1408	NW_004516619.1	37326	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64616B_37329	scaffold1408	NW_004516619.1	37329	AA	TT	TT	INTERGENIC		
SNP_64617B_53106	scaffold1408	NW_004516619.1	53106	TT	AA	AA	INTERGENIC		
SNP_64618B_53145	scaffold1408	NW_004516619.1	53145	GG	AA	AA	INTERGENIC		
SNP_64619B_53150	scaffold1408	NW_004516619.1	53150	TT	CC	CC	INTERGENIC		
SNP_64620B_53269	scaffold1408	NW_004516619.1	53269	GG	TT	TT	INTERGENIC		
SNP_64621B_53298	scaffold1408	NW_004516619.1	53298	CC	TT	TT	INTERGENIC		
SNP_64622B_54611	scaffold1408	NW_004516619.1	54611	AA	CC	CC	INTERGENIC		
SNP_64623B_54797	scaffold1408	NW_004516619.1	54797	AA	GG	GG	INTERGENIC		
SNP_64624B_54907	scaffold1408	NW_004516619.1	54907	AA	GG	GG	INTERGENIC		
SNP_64625B_55167	scaffold1408	NW_004516619.1	55167	AA	TT	TT	INTERGENIC		
SNP_64626B_55219	scaffold1408	NW_004516619.1	55219	CC	TT	TT	INTERGENIC		
SNP_64627B_62197	scaffold1408	NW_004516619.1	62197	TT	CC	CC	INTERGENIC		
SNP_64628B_62285	scaffold1408	NW_004516619.1	62285	AA	TT	TT	INTERGENIC		
SNP_64629B_62860	scaffold1408	NW_004516619.1	62860	TT	CC	CC	INTERGENIC		
SNP_64630B_63231	scaffold1408	NW_004516619.1	63231	AA	GG	GG	INTERGENIC		
SNP_64631B_66530	scaffold1408	NW_004516619.1	66530	TT	GG	GG	INTERGENIC		
SNP_64632B_66596	scaffold1408	NW_004516619.1	66596	TT	CC	CC	INTERGENIC		
SNP_64633B_66725	scaffold1408	NW_004516619.1	66725	TT	AA	AA	INTERGENIC		
SNP_64634B_66992	scaffold1408	NW_004516619.1	66992	GG	AA	AA	INTERGENIC		
SNP_64635B_67068	scaffold1408	NW_004516619.1	67068	AA	TT	TT	INTERGENIC		
SNP_64636B_68250	scaffold1408	NW_004516619.1	68250	CC	GG	GG	INTERGENIC		
SNP_64637B_68267	scaffold1408	NW_004516619.1	68267	TT	AA	AA	INTERGENIC		
SNP_64638B_68306	scaffold1408	NW_004516619.1	68306	TT	GG	GG	INTERGENIC		
SNP_64639B_68335	scaffold1408	NW_004516619.1	68335	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64640B_68490	scaffold1408	NW_004516619.1	68490	AA	GG	GG	INTERGENIC		
SNP_64641B_68508	scaffold1408	NW_004516619.1	68508	CC	TT	TT	INTERGENIC		
SNP_64642B_69184	scaffold1408	NW_004516619.1	69184	AA	GG	GG	INTERGENIC		
SNP_64643B_69220	scaffold1408	NW_004516619.1	69220	TT	GG	GG	INTERGENIC		
SNP_64644B_69225	scaffold1408	NW_004516619.1	69225	GG	CC	CC	INTERGENIC		
SNP_64645B_69266	scaffold1408	NW_004516619.1	69266	AA	TT	TT	INTERGENIC		
SNP_64646B_69652	scaffold1408	NW_004516619.1	69652	CC	TT	TT	INTERGENIC		
SNP_64647B_69942	scaffold1408	NW_004516619.1	69942	GG	AA	AA	INTERGENIC		
SNP_64648B_70022	scaffold1408	NW_004516619.1	70022	TT	AA	AA	INTERGENIC		
SNP_64649B_70248	scaffold1408	NW_004516619.1	70248	TT	CC	CC	INTERGENIC		
SNP_64650B_70487	scaffold1408	NW_004516619.1	70487	TT	AA	AA	INTERGENIC		
SNP_64651B_70655	scaffold1408	NW_004516619.1	70655	TT	AA	AA	INTERGENIC		
SNP_64653B_71985	scaffold1408	NW_004516619.1	71985	GG	AA	AA	INTERGENIC		
SNP_64654B_72045	scaffold1408	NW_004516619.1	72045	GG	TT	TT	INTERGENIC		
SNP_64655B_72071	scaffold1408	NW_004516619.1	72071	GG	TT	TT	INTERGENIC		
SNP_64656B_72312	scaffold1408	NW_004516619.1	72312	TT	CC	CC	INTERGENIC		
SNP_64657B_72362	scaffold1408	NW_004516619.1	72362	AA	TT	TT	INTERGENIC		
SNP_64658B_72654	scaffold1408	NW_004516619.1	72654	TT	AA	AA	INTERGENIC		
SNP_64659B_72660	scaffold1408	NW_004516619.1	72660	GG	TT	TT	INTERGENIC		
SNP_64660B_73240	scaffold1408	NW_004516619.1	73240	AA	TT	TT	INTERGENIC		
SNP_64661B_76364	scaffold1408	NW_004516619.1	76364	CC	TT	TT	INTERGENIC		
SNP_64662B_77010	scaffold1408	NW_004516619.1	77010	AA	CC	CC	INTERGENIC		
SNP_64663B_77840	scaffold1408	NW_004516619.1	77840	GG	AA	AA	INTERGENIC		
SNP_64664B_77899	scaffold1408	NW_004516619.1	77899	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64665B_77935	scaffold1408	NW_004516619.1	77935	GG	CC	CC	INTERGENIC		
SNP_64666B_78161	scaffold1408	NW_004516619.1	78161	CC	AA	AA	INTERGENIC		
SNP_64667B_78269	scaffold1408	NW_004516619.1	78269	GG	CC	CC	INTERGENIC		
SNP_64668B_80470	scaffold1408	NW_004516619.1	80470	AA	TT	TT	INTERGENIC		
SNP_64669B_80707	scaffold1408	NW_004516619.1	80707	GG	AA	AA	INTERGENIC		
SNP_64670B_80772	scaffold1408	NW_004516619.1	80772	CC	GG	GG	INTERGENIC		
SNP_64671B_80847	scaffold1408	NW_004516619.1	80847	GG	AA	AA	INTERGENIC		
SNP_64672B_80854	scaffold1408	NW_004516619.1	80854	TT	GG	GG	INTERGENIC		
SNP_64673B_81211	scaffold1408	NW_004516619.1	81211	GG	TT	TT	INTERGENIC		
SNP_64674B_81246	scaffold1408	NW_004516619.1	81246	GG	AA	AA	INTERGENIC		
SNP_64675B_81702	scaffold1408	NW_004516619.1	81702	TT	AA	AA	INTERGENIC		
SNP_64676B_81789	scaffold1408	NW_004516619.1	81789	TT	CC	CC	INTERGENIC		
SNP_64677B_81819	scaffold1408	NW_004516619.1	81819	CC	TT	TT	INTERGENIC		
SNP_64678B_82135	scaffold1408	NW_004516619.1	82135	TT	AA	AA	INTERGENIC		
SNP_64679B_82136	scaffold1408	NW_004516619.1	82136	CC	TT	TT	INTERGENIC		
SNP_64680B_82714	scaffold1408	NW_004516619.1	82714	GG	CC	CC	INTERGENIC		
SNP_64681B_82828	scaffold1408	NW_004516619.1	82828	GG	AA	AA	INTERGENIC		
SNP_64682B_82922	scaffold1408	NW_004516619.1	82922	AA	TT	TT	INTERGENIC		
SNP_64683B_82974	scaffold1408	NW_004516619.1	82974	CC	GG	GG	INTERGENIC		
SNP_64684B_83047	scaffold1408	NW_004516619.1	83047	GG	TT	TT	INTERGENIC		
SNP_64685B_83104	scaffold1408	NW_004516619.1	83104	TT	AA	AA	INTERGENIC		
SNP_64686B_83108	scaffold1408	NW_004516619.1	83108	TT	CC	CC	INTERGENIC		
SNP_64687B_83784	scaffold1408	NW_004516619.1	83784	GG	TT	TT	INTERGENIC		
SNP_64688B_84068	scaffold1408	NW_004516619.1	84068	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64689B_84900	scaffold1408	NW_004516619.1	84900	TT	CC	CC	INTERGENIC		
SNP_64690B_84941	scaffold1408	NW_004516619.1	84941	CC	TT	TT	INTERGENIC		
SNP_64691B_85104	scaffold1408	NW_004516619.1	85104	TT	GG	GG	INTERGENIC		
SNP_64692B_85133	scaffold1408	NW_004516619.1	85133	TT	GG	GG	INTERGENIC		
SNP_64693B_85918	scaffold1408	NW_004516619.1	85918	GG	TT	TT	INTERGENIC		
SNP_64694B_86421	scaffold1408	NW_004516619.1	86421	GG	AA	AA	INTERGENIC		
SNP_64695B_89984	scaffold1408	NW_004516619.1	89984	GG	CC	CC	INTERGENIC		
SNP_64696B_91908	scaffold1408	NW_004516619.1	91908	GG	TT	TT	INTERGENIC		
SNP_64697B_92145	scaffold1408	NW_004516619.1	92145	CC	TT	TT	INTERGENIC		
SNP_64698B_92249	scaffold1408	NW_004516619.1	92249	AA	TT	TT	INTERGENIC		
SNP_64700B_92365	scaffold1408	NW_004516619.1	92365	TT	CC	CC	INTERGENIC		
SNP_64701B_92446	scaffold1408	NW_004516619.1	92446	GG	AA	AA	INTERGENIC		
SNP_64702B_92451	scaffold1408	NW_004516619.1	92451	CC	GG	GG	INTERGENIC		
SNP_64703B_92545	scaffold1408	NW_004516619.1	92545	AA	TT	TT	INTERGENIC		
SNP_64704B_92582	scaffold1408	NW_004516619.1	92582	CC	TT	TT	INTERGENIC		
SNP_64705B_92592	scaffold1408	NW_004516619.1	92592	TT	GG	GG	INTERGENIC		
SNP_64706B_92620	scaffold1408	NW_004516619.1	92620	TT	GG	GG	INTERGENIC		
SNP_64707B_92667	scaffold1408	NW_004516619.1	92667	GG	AA	AA	INTERGENIC		
SNP_64708B_92870	scaffold1408	NW_004516619.1	92870	TT	GG	GG	INTERGENIC		
SNP_64709B_92918	scaffold1408	NW_004516619.1	92918	AA	TT	TT	INTERGENIC		
SNP_64711B_96558	scaffold1408	NW_004516619.1	96558	TT	AA	AA	INTERGENIC		
SNP_64712B_101954	scaffold1408	NW_004516619.1	101954	TT	AA	AA	INTERGENIC		
SNP_64713B_103316	scaffold1408	NW_004516619.1	103316	AA	CC	CC	INTERGENIC		
SNP_64714B_103646	scaffold1408	NW_004516619.1	103646	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64716B_104815	scaffold1408	NW_004516619.1	104815	AA	GG	GG	INTERGENIC		
SNP_64719B_108639	scaffold1408	NW_004516619.1	108639	GG	TT	TT	INTERGENIC		
SNP_64720B_108640	scaffold1408	NW_004516619.1	108640	TT	GG	GG	INTERGENIC		
SNP_64721B_5728	scaffold1409	NW_004516620.1	5728	CC	TT	TT	INTERGENIC		
SNP_64722B_6850	scaffold1409	NW_004516620.1	6850	AA	GG	GG	INTERGENIC		
SNP_64723B_6895	scaffold1409	NW_004516620.1	6895	AA	TT	TT	INTERGENIC		
SNP_64724B_6921	scaffold1409	NW_004516620.1	6921	TT	CC	CC	INTERGENIC		
SNP_64725B_6922	scaffold1409	NW_004516620.1	6922	AA	GG	GG	INTERGENIC		
SNP_64726B_6928	scaffold1409	NW_004516620.1	6928	GG	TT	TT	INTERGENIC		
SNP_64727B_7412	scaffold1409	NW_004516620.1	7412	GG	AA	AA	INTERGENIC		
SNP_64728B_8884	scaffold1409	NW_004516620.1	8884	TT	CC	CC	INTERGENIC		
SNP_64729B_8919	scaffold1409	NW_004516620.1	8919	AA	GG	GG	INTERGENIC		
SNP_64730B_8950	scaffold1409	NW_004516620.1	8950	AA	GG	GG	INTERGENIC		
SNP_64731B_8982	scaffold1409	NW_004516620.1	8982	TT	CC	CC	INTERGENIC		
SNP_64732B_8996	scaffold1409	NW_004516620.1	8996	CC	TT	TT	INTERGENIC		
SNP_64733B_9044	scaffold1409	NW_004516620.1	9044	CC	TT	TT	INTERGENIC		
SNP_64734B_9152	scaffold1409	NW_004516620.1	9152	CC	TT	TT	INTERGENIC		
SNP_64735B_9213	scaffold1409	NW_004516620.1	9213	CC	TT	TT	INTERGENIC		
SNP_64736B_9257	scaffold1409	NW_004516620.1	9257	TT	AA	AA	INTERGENIC		
SNP_64737B_9336	scaffold1409	NW_004516620.1	9336	TT	AA	AA	INTERGENIC		
SNP_64738B_9452	scaffold1409	NW_004516620.1	9452	CC	TT	TT	INTERGENIC		
SNP_64739B_9510	scaffold1409	NW_004516620.1	9510	TT	CC	CC	INTERGENIC		
SNP_64740B_9568	scaffold1409	NW_004516620.1	9568	CC	TT	TT	INTERGENIC		
SNP_64741B_9591	scaffold1409	NW_004516620.1	9591	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64742B_9910	scaffold1409	NW_004516620.1	9910	AA	CC	CC	INTERGENIC		
SNP_64743B_9978	scaffold1409	NW_004516620.1	9978	TT	CC	CC	INTERGENIC		
SNP_64744B_9982	scaffold1409	NW_004516620.1	9982	TT	CC	CC	INTERGENIC		
SNP_64745B_10078	scaffold1409	NW_004516620.1	10078	TT	AA	AA	INTERGENIC		
SNP_64746B_12375	scaffold1409	NW_004516620.1	12375	AA	CC	CC	INTERGENIC		
SNP_64747B_12482	scaffold1409	NW_004516620.1	12482	TT	CC	CC	INTERGENIC		
SNP_64748B_12552	scaffold1409	NW_004516620.1	12552	AA	GG	GG	INTERGENIC		
SNP_64749B_12691	scaffold1409	NW_004516620.1	12691	AA	TT	TT	INTERGENIC		
SNP_64750B_12744	scaffold1409	NW_004516620.1	12744	CC	GG	GG	INTERGENIC		
SNP_64751B_14734	scaffold1409	NW_004516620.1	14734	GG	CC	CC	INTERGENIC		
SNP_64752B_35590	scaffold1411	NW_004516622.1	35590	GG	CC	CC	INTERGENIC		
SNP_64753B_36051	scaffold1411	NW_004516622.1	36051	TT	CC	CC	INTERGENIC		
SNP_64754B_39207	scaffold1411	NW_004516622.1	39207	TT	CC	CC	INTERGENIC		
SNP_64755B_76856	scaffold1411	NW_004516622.1	76856	TT	AA	AA	INTERGENIC		
SNP_64756B_87332	scaffold1411	NW_004516622.1	87332	CC	GG	GG	INTERGENIC		
SNP_64757B_114654	scaffold1411	NW_004516622.1	114654	CC	TT	TT	INTERGENIC		
SNP_64758B_124946	scaffold1411	NW_004516622.1	124946	CC	GG	GG	INTERGENIC		
SNP_64759B_135337	scaffold1411	NW_004516622.1	135337	CC	AA	AA	INTERGENIC		
SNP_64760B_3409	scaffold1412	NW_004516623.1	3409	GG	TT	TT	INTERGENIC		
SNP_64761B_3426	scaffold1412	NW_004516623.1	3426	TT	GG	GG	INTERGENIC		
SNP_64762B_3469	scaffold1412	NW_004516623.1	3469	GG	AA	AA	INTERGENIC		
SNP_64763B_3482	scaffold1412	NW_004516623.1	3482	GG	AA	AA	INTERGENIC		
SNP_64764B_3515	scaffold1412	NW_004516623.1	3515	AA	GG	GG	INTERGENIC		
SNP_64765B_3543	scaffold1412	NW_004516623.1	3543	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64766B_3734	scaffold1412	NW_004516623.1	3734	TT	CC	CC	INTERGENIC		
SNP_64767B_3748	scaffold1412	NW_004516623.1	3748	TT	GG	GG	INTERGENIC		
SNP_64768B_3786	scaffold1412	NW_004516623.1	3786	TT	GG	GG	INTERGENIC		
SNP_64769B_3853	scaffold1412	NW_004516623.1	3853	AA	GG	GG	INTERGENIC		
SNP_64770B_17458	scaffold1412	NW_004516623.1	17458	TT	AA	AA	INTERGENIC		
SNP_64771B_17595	scaffold1412	NW_004516623.1	17595	CC	TT	TT	INTERGENIC		
SNP_64772B_18209	scaffold1412	NW_004516623.1	18209	GG	TT	TT	INTERGENIC		
SNP_64773B_2127	scaffold1414	NW_004516625.1	2127	GG	AA	AA	INTERGENIC		
SNP_64774B_2437	scaffold1414	NW_004516625.1	2437	AA	TT	TT	INTERGENIC		
SNP_64775B_2521	scaffold1414	NW_004516625.1	2521	AA	TT	TT	INTERGENIC		
SNP_64777B_32255	scaffold1414	NW_004516625.1	32255	TT	CC	CC	INTERGENIC		
SNP_64778B_35999	scaffold1414	NW_004516625.1	35999	TT	GG	GG	INTERGENIC		
SNP_64779B_36485	scaffold1414	NW_004516625.1	36485	CC	AA	AA	INTERGENIC		
SNP_64780B_36517	scaffold1414	NW_004516625.1	36517	AA	GG	GG	INTERGENIC		
SNP_64781B_37984	scaffold1414	NW_004516625.1	37984	AA	GG	GG	INTERGENIC		
SNP_64783B_48864	scaffold1414	NW_004516625.1	48864	TT	CC	CC	INTERGENIC		
SNP_64784B_48895	scaffold1414	NW_004516625.1	48895	GG	AA	AA	INTERGENIC		
SNP_64785B_55291	scaffold1414	NW_004516625.1	55291	CC	AA	AA	INTERGENIC		
SNP_64786B_56195	scaffold1414	NW_004516625.1	56195	TT	AA	AA	INTERGENIC		
SNP_64787B_59516	scaffold1414	NW_004516625.1	59516	AA	GG	GG	DRR	101489513	uncharacterized LOC101489513
SNP_64788B_59759	scaffold1414	NW_004516625.1	59759	GG	AA	AA	URR	101489183	Unknown function
SNP_64789B_59813	scaffold1414	NW_004516625.1	59813	CC	TT	TT	URR	101489183	Unknown function
SNP_64790B_67066	scaffold1414	NW_004516625.1	67066	CC	GG	GG	INTERGENIC		
SNP_64791B_67081	scaffold1414	NW_004516625.1	67081	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64792B_71247	scaffold1414	NW_004516625.1	71247	TT	CC	CC	INTERGENIC		
SNP_64793B_71248	scaffold1414	NW_004516625.1	71248	CC	TT	TT	INTERGENIC		
SNP_64794B_71249	scaffold1414	NW_004516625.1	71249	TT	GG	GG	INTERGENIC		
SNP_64795B_124664	scaffold1414	NW_004516625.1	124664	TT	CC	CC	INTERGENIC		
SNP_64796B_124832	scaffold1414	NW_004516625.1	124832	AA	TT	TT	INTERGENIC		
SNP_64797B_124951	scaffold1414	NW_004516625.1	124951	CC	TT	TT	INTERGENIC		
SNP_64798B_125022	scaffold1414	NW_004516625.1	125022	AA	TT	TT	INTERGENIC		
SNP_64799B_125045	scaffold1414	NW_004516625.1	125045	AA	GG	GG	INTERGENIC		
SNP_64800B_125064	scaffold1414	NW_004516625.1	125064	GG	AA	AA	INTERGENIC		
SNP_64801B_125123	scaffold1414	NW_004516625.1	125123	AA	CC	CC	INTERGENIC		
SNP_64802B_125124	scaffold1414	NW_004516625.1	125124	TT	CC	CC	INTERGENIC		
SNP_64803B_125131	scaffold1414	NW_004516625.1	125131	AA	GG	GG	INTERGENIC		
SNP_64804B_125174	scaffold1414	NW_004516625.1	125174	GG	AA	AA	INTERGENIC		
SNP_64805B_125196	scaffold1414	NW_004516625.1	125196	AA	CC	CC	INTERGENIC		
SNP_64806B_125522	scaffold1414	NW_004516625.1	125522	AA	GG	GG	INTERGENIC		
SNP_64807B_139602	scaffold1414	NW_004516625.1	139602	TT	CC	CC	DRR	101490482	Unknown function
SNP_64808B_140010	scaffold1414	NW_004516625.1	140010	AA	GG	GG	URR	101490157	Unknown function
SNP_64809B_140086	scaffold1414	NW_004516625.1	140086	AA	GG	GG	URR	101490157	Unknown function
SNP_64810B_145180	scaffold1414	NW_004516625.1	145180	GG	TT	TT	INTRON	101490482	Unknown function
SNP_64811B_145188	scaffold1414	NW_004516625.1	145188	AA	TT	TT	INTRON	101490482	Unknown function
SNP_64812B_145241	scaffold1414	NW_004516625.1	145241	GG	AA	AA	INTRON	101490482	Unknown function
SNP_64813B_145242	scaffold1414	NW_004516625.1	145242	CC	AA	AA	INTRON	101490482	Unknown function
SNP_64814B_145246	scaffold1414	NW_004516625.1	145246	AA	TT	TT	INTRON	101490482	Unknown function
SNP_64815B_145584	scaffold1414	NW_004516625.1	145584	GG	AA	AA	INTRON	101490482	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64816B_145601	scaffold1414	NW_004516625.1	145601	GG	AA	AA	INTERGENIC		
SNP_64817B_145631	scaffold1414	NW_004516625.1	145631	CC	GG	GG	INTERGENIC		
SNP_64818B_145666	scaffold1414	NW_004516625.1	145666	AA	CC	CC	INTERGENIC		
SNP_64819B_149520	scaffold1414	NW_004516625.1	149520	CC	GG	GG	INTERGENIC		
SNP_64820B_151029	scaffold1414	NW_004516625.1	151029	TT	CC	CC	URR	101490482	Unknown function
SNP_64821B_172700	scaffold1414	NW_004516625.1	172700	TT	CC	CC	INTERGENIC		
SNP_64822B_190257	scaffold1414	NW_004516625.1	190257	CC	AA	AA	INTERGENIC		
SNP_64823B_190283	scaffold1414	NW_004516625.1	190283	AA	CC	CC	INTERGENIC		
SNP_64824B_190286	scaffold1414	NW_004516625.1	190286	TT	GG	GG	INTERGENIC		
SNP_64825B_190327	scaffold1414	NW_004516625.1	190327	TT	CC	CC	INTERGENIC		
SNP_64826B_190353	scaffold1414	NW_004516625.1	190353	AA	GG	GG	INTERGENIC		
SNP_64827B_190363	scaffold1414	NW_004516625.1	190363	AA	TT	TT	INTERGENIC		
SNP_64828B_190375	scaffold1414	NW_004516625.1	190375	TT	CC	CC	INTERGENIC		
SNP_64829B_190394	scaffold1414	NW_004516625.1	190394	GG	AA	AA	INTERGENIC		
SNP_64830B_190449	scaffold1414	NW_004516625.1	190449	CC	TT	TT	INTERGENIC		
SNP_64831B_190469	scaffold1414	NW_004516625.1	190469	AA	TT	TT	INTERGENIC		
SNP_64833B_190638	scaffold1414	NW_004516625.1	190638	TT	CC	CC	INTERGENIC		
SNP_64834B_190644	scaffold1414	NW_004516625.1	190644	GG	AA	AA	INTERGENIC		
SNP_64835B_190698	scaffold1414	NW_004516625.1	190698	TT	GG	GG	INTERGENIC		
SNP_64836B_195589	scaffold1414	NW_004516625.1	195589	AA	CC	CC	INTERGENIC		
SNP_64837B_209401	scaffold1414	NW_004516625.1	209401	TT	AA	AA	INTERGENIC		
SNP_64838B_240925	scaffold1414	NW_004516625.1	240925	AA	CC	CC	INTERGENIC		
SNP_64839B_241015	scaffold1414	NW_004516625.1	241015	GG	AA	AA	INTERGENIC		
SNP_64840B_241209	scaffold1414	NW_004516625.1	241209	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64841B_241248	scaffold1414	NW_004516625.1	241248	AA	CC	CC	INTERGENIC		
SNP_64842B_241304	scaffold1414	NW_004516625.1	241304	AA	GG	GG	INTERGENIC		
SNP_64843B_245996	scaffold1414	NW_004516625.1	245996	TT	CC	CC	INTERGENIC		
SNP_64844B_246004	scaffold1414	NW_004516625.1	246004	CC	TT	TT	INTERGENIC		
SNP_64845B_246034	scaffold1414	NW_004516625.1	246034	GG	AA	AA	INTERGENIC		
SNP_64846B_246066	scaffold1414	NW_004516625.1	246066	GG	AA	AA	INTERGENIC		
SNP_64847B_246134	scaffold1414	NW_004516625.1	246134	CC	GG	GG	INTERGENIC		
SNP_64848B_246148	scaffold1414	NW_004516625.1	246148	CC	AA	AA	INTERGENIC		
SNP_64849B_246149	scaffold1414	NW_004516625.1	246149	TT	CC	CC	INTERGENIC		
SNP_64850B_9099	scaffold1417	NW_004516627.1	9099	GG	AA	AA	INTERGENIC		
SNP_64852B_46884	scaffold1417	NW_004516627.1	46884	CC	AA	AA	INTERGENIC		
SNP_64853B_46905	scaffold1417	NW_004516627.1	46905	CC	GG	GG	INTERGENIC		
SNP_64854B_47226	scaffold1417	NW_004516627.1	47226	CC	TT	TT	INTERGENIC		
SNP_64855B_58658	scaffold1417	NW_004516627.1	58658	GG	AA	AA	INTERGENIC		
SNP_64856B_58661	scaffold1417	NW_004516627.1	58661	TT	AA	AA	INTERGENIC		
SNP_64857B_58674	scaffold1417	NW_004516627.1	58674	AA	TT	TT	INTERGENIC		
SNP_64858B_58684	scaffold1417	NW_004516627.1	58684	TT	CC	CC	INTERGENIC		
SNP_64859B_87661	scaffold1417	NW_004516627.1	87661	GG	AA	AA	INTERGENIC		
SNP_64860B_123643	scaffold1417	NW_004516627.1	123643	TT	GG	GG	INTERGENIC		
SNP_64862B_123834	scaffold1417	NW_004516627.1	123834	GG	CC	CC	INTERGENIC		
SNP_64863B_123859	scaffold1417	NW_004516627.1	123859	TT	CC	CC	INTERGENIC		
SNP_64864B_123927	scaffold1417	NW_004516627.1	123927	GG	AA	AA	INTERGENIC		
SNP_64865B_123950	scaffold1417	NW_004516627.1	123950	TT	AA	AA	INTERGENIC		
SNP_64866B_184458	scaffold1417	NW_004516627.1	184458	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64867B_189626	scaffold1417	NW_004516627.1	189626	GG	AA	AA	INTERGENIC		
SNP_64868B_234654	scaffold1417	NW_004516627.1	234654	CC	GG	GG	INTERGENIC		
SNP_64870B_249671	scaffold1417	NW_004516627.1	249671	AA	GG	GG	INTERGENIC		
SNP_64871B_260257	scaffold1417	NW_004516627.1	260257	GG	TT	TT	INTRON	id212960	Unknown function
SNP_64872B_260275	scaffold1417	NW_004516627.1	260275	CC	TT	TT	INTRON	id212960	Unknown function
SNP_64873B_260347	scaffold1417	NW_004516627.1	260347	GG	AA	AA	INTRON	id212960	Unknown function
SNP_64874B_282942	scaffold1417	NW_004516627.1	282942	AA	TT	TT	INTERGENIC		
SNP_64875B_282955	scaffold1417	NW_004516627.1	282955	GG	AA	AA	INTERGENIC		
SNP_64876B_352091	scaffold1417	NW_004516627.1	352091	AA	GG	GG	INTERGENIC		
SNP_64877B_352211	scaffold1417	NW_004516627.1	352211	CC	TT	TT	INTERGENIC		
SNP_64878B_352223	scaffold1417	NW_004516627.1	352223	TT	CC	CC	INTERGENIC		
SNP_64879B_352302	scaffold1417	NW_004516627.1	352302	AA	GG	GG	INTERGENIC		
SNP_64880B_352311	scaffold1417	NW_004516627.1	352311	GG	TT	TT	INTERGENIC		
SNP_64881B_5071	scaffold1418	NW_004516628.1	5071	AA	TT	TT	INTERGENIC		
SNP_64883B_8780	scaffold1418	NW_004516628.1	8780	TT	CC	CC	INTERGENIC		
SNP_64884B_16368	scaffold1418	NW_004516628.1	16368	CC	TT	TT	URR	101494995	pentatricopeptide repeat-containing protein At4g33170-like
SNP_64885B_17363	scaffold1418	NW_004516628.1	17363	TT	CC	CC	DRR	101496308	protein SRG1-like
SNP_64886B_17777	scaffold1418	NW_004516628.1	17777	CC	TT	TT	URR	101494995	pentatricopeptide repeat-containing protein At4g33170-like
SNP_64889B_18338	scaffold1418	NW_004516628.1	18338	TT	CC	CC	INTRON	101496308	protein SRG1-like
SNP_64890B_18480	scaffold1418	NW_004516628.1	18480	CC	TT	TT	INTRON	101496308	protein SRG1-like
SNP_64891B_18543	scaffold1418	NW_004516628.1	18543	AA	GG	GG	INTRON	101496308	protein SRG1-like
SNP_64892B_18812	scaffold1418	NW_004516628.1	18812	CC	AA	AA	INTRON	101496308	protein SRG1-like
SNP_64894B_32025	scaffold1418	NW_004516628.1	32025	AA	TT	TT	DRR	101496638	DUF21 domain-containing protein At5g52790-like
SNP_64895B_32984	scaffold1418	NW_004516628.1	32984	GG	AA	AA	INTRON	101496638	DUF21 domain-containing protein At5g52790-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64896B_33084	scaffold1418	NW_004516628.1	33084	AA	TT	TT	INTRON	101496638	DUF21 domain-containing protein At5g52790-like
SNP_64898B_38722	scaffold1418	NW_004516628.1	38722	CC	TT	TT	INTRON	101496638	DUF21 domain-containing protein At5g52790-like
SNP_64899B_91671	scaffold1418	NW_004516628.1	91671	CC	TT	TT	INTRON	101495971	DNA-directed primase/polymerase protein
SNP_64900B_545	scaffold1419	NW_004516629.1	545	CC	AA	AA	INTRON	101497608	GDP-mannose 3,5-epimerase 1-like
SNP_64901B_10358	scaffold1419	NW_004516629.1	10358	TT	AA	AA	INTRON	101497608	GDP-mannose 3,5-epimerase 1-like
SNP_64902B_10422	scaffold1419	NW_004516629.1	10422	GG	CC	CC	INTRON	101497608	GDP-mannose 3,5-epimerase 1-like
SNP_64903B_10553	scaffold1419	NW_004516629.1	10553	GG	CC	CC	INTRON	101497608	GDP-mannose 3,5-epimerase 1-like
SNP_64904B_10564	scaffold1419	NW_004516629.1	10564	GG	AA	AA	INTRON	101497608	GDP-mannose 3,5-epimerase 1-like
SNP_64905B_10567	scaffold1419	NW_004516629.1	10567	TT	CC	CC	INTRON	101497608	GDP-mannose 3,5-epimerase 1-like
SNP_64907B_10762	scaffold1419	NW_004516629.1	10762	GG	AA	AA	INTRON	101497608	GDP-mannose 3,5-epimerase 1-like
SNP_64908B_10791	scaffold1419	NW_004516629.1	10791	GG	AA	AA	INTRON	101497608	GDP-mannose 3,5-epimerase 1-like
SNP_64909B_10796	scaffold1419	NW_004516629.1	10796	CC	TT	TT	INTRON	101497608	GDP-mannose 3,5-epimerase 1-like
SNP_64910B_10797	scaffold1419	NW_004516629.1	10797	CC	AA	AA	INTRON	101497608	GDP-mannose 3,5-epimerase 1-like
SNP_64911B_19512	scaffold1419	NW_004516629.1	19512	TT	GG	GG	INTERGENIC		
SNP_64912B_19521	scaffold1419	NW_004516629.1	19521	TT	GG	GG	INTERGENIC		
SNP_64913B_19767	scaffold1419	NW_004516629.1	19767	TT	CC	CC	INTERGENIC		
SNP_64914B_20019	scaffold1419	NW_004516629.1	20019	CC	TT	TT	INTERGENIC		
SNP_64915B_20140	scaffold1419	NW_004516629.1	20140	AA	CC	CC	INTERGENIC		
SNP_64917B_21620	scaffold1419	NW_004516629.1	21620	TT	CC	CC	INTERGENIC		
SNP_64918B_21645	scaffold1419	NW_004516629.1	21645	TT	AA	AA	INTERGENIC		
SNP_64919B_21646	scaffold1419	NW_004516629.1	21646	CC	AA	AA	INTERGENIC		
SNP_64920B_21651	scaffold1419	NW_004516629.1	21651	AA	TT	TT	INTERGENIC		
SNP_64921B_21664	scaffold1419	NW_004516629.1	21664	TT	AA	AA	INTERGENIC		
SNP_64922B_21682	scaffold1419	NW_004516629.1	21682	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64923B_21748	scaffold1419	NW_004516629.1	21748	GG	AA	AA	INTERGENIC		
SNP_64924B_21758	scaffold1419	NW_004516629.1	21758	AA	TT	TT	INTERGENIC		
SNP_64925B_22058	scaffold1419	NW_004516629.1	22058	CC	TT	TT	INTERGENIC		
SNP_64926B_22070	scaffold1419	NW_004516629.1	22070	AA	TT	TT	INTERGENIC		
SNP_64927B_22122	scaffold1419	NW_004516629.1	22122	AA	TT	TT	INTERGENIC		
SNP_64928B_22323	scaffold1419	NW_004516629.1	22323	AA	GG	GG	INTERGENIC		
SNP_64929B_22395	scaffold1419	NW_004516629.1	22395	GG	TT	TT	INTERGENIC		
SNP_64930B_22472	scaffold1419	NW_004516629.1	22472	GG	AA	AA	INTERGENIC		
SNP_64931B_22697	scaffold1419	NW_004516629.1	22697	TT	CC	CC	INTERGENIC		
SNP_64932B_22732	scaffold1419	NW_004516629.1	22732	GG	TT	TT	INTERGENIC		
SNP_64933B_22927	scaffold1419	NW_004516629.1	22927	GG	AA	AA	INTERGENIC		
SNP_64934B_26316	scaffold1419	NW_004516629.1	26316	CC	TT	TT	DRR	101497940	granule-bound starch synthase 1, chloroplastic/amyloplastic-like
SNP_64935B_26324	scaffold1419	NW_004516629.1	26324	TT	CC	CC	DRR	101497940	granule-bound starch synthase 1, chloroplastic/amyloplastic-like
SNP_64936B_26580	scaffold1419	NW_004516629.1	26580	GG	AA	AA	DRR	101497940	granule-bound starch synthase 1, chloroplastic/amyloplastic-like
SNP_64937B_26632	scaffold1419	NW_004516629.1	26632	TT	GG	GG	DRR	101497940	granule-bound starch synthase 1, chloroplastic/amyloplastic-like
SNP_64938B_26753	scaffold1419	NW_004516629.1	26753	TT	AA	AA	DRR	101497940	granule-bound starch synthase 1, chloroplastic/amyloplastic-like
SNP_64939B_26783	scaffold1419	NW_004516629.1	26783	GG	AA	AA	DRR	101497940	granule-bound starch synthase 1, chloroplastic/amyloplastic-like
SNP_64940B_26847	scaffold1419	NW_004516629.1	26847	CC	TT	TT	DRR	101497940	granule-bound starch synthase 1, chloroplastic/amyloplastic-like
SNP_64941B_26879	scaffold1419	NW_004516629.1	26879	TT	CC	CC	DRR	101497940	granule-bound starch synthase 1, chloroplastic/amyloplastic-like
SNP_64942B_26895	scaffold1419	NW_004516629.1	26895	AA	CC	CC	DRR	101497940	granule-bound starch synthase 1, chloroplastic/amyloplastic-like
SNP_64943B_26897	scaffold1419	NW_004516629.1	26897	AA	GG	GG	DRR	101497940	granule-bound starch synthase 1, chloroplastic/amyloplastic-like
SNP_64944B_27067	scaffold1419	NW_004516629.1	27067	TT	CC	CC	URR	101497286	60S acidic ribosomal protein P1-2-like
SNP_64945B_30675	scaffold1419	NW_004516629.1	30675	AA	GG	GG	URR	101497940	granule-bound starch synthase 1, chloroplastic/amyloplastic-like
SNP_64947B_30887	scaffold1419	NW_004516629.1	30887	CC	TT	TT	URR	101497940	granule-bound starch synthase 1, chloroplastic/amyloplastic-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64948B_30889	scaffold1419	NW_004516629.1	30889	TT	GG	GG	URR	101497940	granule-bound starch synthase 1, chloroplastic/amyloplastic like
SNP_64949B_45414	scaffold1419	NW_004516629.1	45414	TT	GG	GG	INTRON	101498264	Unknown function
SNP_64950B_45417	scaffold1419	NW_004516629.1	45417	CC	TT	TT	INTRON	101498264	Unknown function
SNP_64951B_51069	scaffold1419	NW_004516629.1	51069	CC	TT	TT	INTRON	101498264	Unknown function
SNP_64952B_57438	scaffold1419	NW_004516629.1	57438	AA	GG	GG	INTERGENIC		
SNP_64953B_57444	scaffold1419	NW_004516629.1	57444	AA	GG	GG	INTERGENIC		
SNP_64954B_57483	scaffold1419	NW_004516629.1	57483	AA	GG	GG	INTERGENIC		
SNP_64955B_57499	scaffold1419	NW_004516629.1	57499	TT	CC	CC	INTERGENIC		
SNP_64956B_57593	scaffold1419	NW_004516629.1	57593	TT	GG	GG	INTERGENIC		
SNP_64957B_57601	scaffold1419	NW_004516629.1	57601	TT	GG	GG	INTERGENIC		
SNP_64958B_64490	scaffold1419	NW_004516629.1	64490	TT	CC	CC	INTERGENIC		
SNP_64959B_64541	scaffold1419	NW_004516629.1	64541	AA	CC	CC	INTERGENIC		
SNP_64960B_1750	scaffold1420	NW_004516630.1	1750	AA	CC	CC	INTERGENIC		
SNP_64961B_1753	scaffold1420	NW_004516630.1	1753	AA	CC	CC	INTERGENIC		
SNP_64962B_1782	scaffold1420	NW_004516630.1	1782	CC	TT	TT	INTERGENIC		
SNP_64963B_1817	scaffold1420	NW_004516630.1	1817	TT	CC	CC	INTERGENIC		
SNP_64964B_1835	scaffold1420	NW_004516630.1	1835	TT	CC	CC	INTERGENIC		
SNP_64965B_1867	scaffold1420	NW_004516630.1	1867	AA	CC	CC	INTERGENIC		
SNP_64966B_1881	scaffold1420	NW_004516630.1	1881	CC	AA	AA	INTERGENIC		
SNP_64967B_1924	scaffold1420	NW_004516630.1	1924	CC	GG	GG	INTERGENIC		
SNP_64968B_1928	scaffold1420	NW_004516630.1	1928	TT	AA	AA	INTERGENIC		
SNP_64969B_2092	scaffold1420	NW_004516630.1	2092	AA	GG	GG	INTERGENIC		
SNP_64970B_2105	scaffold1420	NW_004516630.1	2105	TT	CC	CC	INTERGENIC		
SNP_64971B_2195	scaffold1420	NW_004516630.1	2195	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64972B_2229	scaffold1420	NW_004516630.1	2229	TT	GG	GG	INTERGENIC		
SNP_64973B_4930	scaffold1420	NW_004516630.1	4930	TT	CC	CC	INTERGENIC		
SNP_64974B_5146	scaffold1420	NW_004516630.1	5146	AA	TT	TT	INTERGENIC		
SNP_64975B_5355	scaffold1420	NW_004516630.1	5355	CC	AA	AA	INTERGENIC		
SNP_64976B_5381	scaffold1420	NW_004516630.1	5381	AA	GG	GG	INTERGENIC		
SNP_64977B_5384	scaffold1420	NW_004516630.1	5384	CC	AA	AA	INTERGENIC		
SNP_64978B_5408	scaffold1420	NW_004516630.1	5408	CC	TT	TT	INTERGENIC		
SNP_64979B_5409	scaffold1420	NW_004516630.1	5409	AA	CC	CC	INTERGENIC		
SNP_64980B_11591	scaffold1420	NW_004516630.1	11591	GG	AA	AA	INTERGENIC		
SNP_64981B_11592	scaffold1420	NW_004516630.1	11592	AA	CC	CC	INTERGENIC		
SNP_64982B_12154	scaffold1420	NW_004516630.1	12154	AA	CC	CC	INTERGENIC		
SNP_64983B_15131	scaffold1420	NW_004516630.1	15131	CC	TT	TT	INTERGENIC		
SNP_64984B_15166	scaffold1420	NW_004516630.1	15166	TT	AA	AA	INTERGENIC		
SNP_64985B_15167	scaffold1420	NW_004516630.1	15167	TT	CC	CC	INTERGENIC		
SNP_64987B_20890	scaffold1420	NW_004516630.1	20890	CC	AA	AA	INTRON	101498598	60S acidic ribosomal protein P1-like
SNP_64988B_21199	scaffold1420	NW_004516630.1	21199	CC	GG	GG	URR	101498598	60S acidic ribosomal protein P1-like
SNP_64989B_21259	scaffold1420	NW_004516630.1	21259	GG	TT	TT	URR	101498598	60S acidic ribosomal protein P1-like
SNP_64990B_21397	scaffold1420	NW_004516630.1	21397	AA	CC	CC	URR	101498598	60S acidic ribosomal protein P1-like
SNP_64991B_21449	scaffold1420	NW_004516630.1	21449	CC	TT	TT	URR	101498598	60S acidic ribosomal protein P1-like
SNP_64992B_21462	scaffold1420	NW_004516630.1	21462	AA	GG	GG	URR	101498598	60S acidic ribosomal protein P1-like
SNP_64993B_64	scaffold1424	NW_004516633.1	64	CC	GG	GG	INTERGENIC		
SNP_64994B_91	scaffold1424	NW_004516633.1	91	AA	TT	TT	INTERGENIC		
SNP_64996B_43748	scaffold1424	NW_004516633.1	43748	AA	GG	GG	INTERGENIC		
SNP_64997B_43778	scaffold1424	NW_004516633.1	43778	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_64998B_43780	scaffold1424	NW_004516633.1	43780	CC	TT	TT	INTERGENIC		
SNP_64999B_43807	scaffold1424	NW_004516633.1	43807	TT	CC	CC	INTERGENIC		
SNP_65000B_43828	scaffold1424	NW_004516633.1	43828	TT	AA	AA	INTERGENIC		
SNP_65001B_43842	scaffold1424	NW_004516633.1	43842	TT	CC	CC	INTERGENIC		
SNP_65002B_43858	scaffold1424	NW_004516633.1	43858	AA	GG	GG	INTERGENIC		
SNP_65003B_43881	scaffold1424	NW_004516633.1	43881	CC	GG	GG	INTERGENIC		
SNP_65004B_43913	scaffold1424	NW_004516633.1	43913	GG	CC	CC	INTERGENIC		
SNP_65005B_43941	scaffold1424	NW_004516633.1	43941	TT	AA	AA	INTERGENIC		
SNP_65006B_44027	scaffold1424	NW_004516633.1	44027	GG	CC	CC	INTERGENIC		
SNP_65007B_44093	scaffold1424	NW_004516633.1	44093	GG	TT	TT	INTERGENIC		
SNP_65008B_44104	scaffold1424	NW_004516633.1	44104	CC	AA	AA	INTERGENIC		
SNP_65009B_44143	scaffold1424	NW_004516633.1	44143	GG	CC	CC	INTERGENIC		
SNP_65010B_44144	scaffold1424	NW_004516633.1	44144	GG	AA	AA	INTERGENIC		
SNP_65011B_44149	scaffold1424	NW_004516633.1	44149	AA	TT	TT	INTERGENIC		
SNP_65012B_44169	scaffold1424	NW_004516633.1	44169	GG	TT	TT	INTERGENIC		
SNP_65013B_44177	scaffold1424	NW_004516633.1	44177	TT	CC	CC	INTERGENIC		
SNP_65014B_44184	scaffold1424	NW_004516633.1	44184	AA	CC	CC	INTERGENIC		
SNP_65015B_44196	scaffold1424	NW_004516633.1	44196	TT	GG	GG	INTERGENIC		
SNP_65016B_48247	scaffold1424	NW_004516633.1	48247	CC	AA	AA	INTERGENIC		
SNP_65017B_48252	scaffold1424	NW_004516633.1	48252	GG	AA	AA	INTERGENIC		
SNP_65018B_48274	scaffold1424	NW_004516633.1	48274	GG	TT	TT	INTERGENIC		
SNP_65019B_48278	scaffold1424	NW_004516633.1	48278	TT	AA	AA	INTERGENIC		
SNP_65020B_48400	scaffold1424	NW_004516633.1	48400	AA	CC	CC	INTERGENIC		
SNP_65021B_48407	scaffold1424	NW_004516633.1	48407	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_65022B_48468	scaffold1424	NW_004516633.1	48468	GG	AA	AA	INTERGENIC		
SNP_65023B_48493	scaffold1424	NW_004516633.1	48493	GG	TT	TT	INTERGENIC		
SNP_65024B_48511	scaffold1424	NW_004516633.1	48511	AA	GG	GG	INTERGENIC		
SNP_65025B_48711	scaffold1424	NW_004516633.1	48711	TT	GG	GG	INTERGENIC		
SNP_65026B_48741	scaffold1424	NW_004516633.1	48741	GG	AA	AA	INTERGENIC		
SNP_65027B_3757	scaffold1425	NW_004516634.1	3757	CC	AA	AA	INTERGENIC		
SNP_65028B_4216	scaffold1425	NW_004516634.1	4216	GG	CC	CC	INTERGENIC		
SNP_65029B_4237	scaffold1425	NW_004516634.1	4237	TT	CC	CC	INTERGENIC		
SNP_65030B_4447	scaffold1425	NW_004516634.1	4447	TT	CC	CC	INTERGENIC		
SNP_65031B_4525	scaffold1425	NW_004516634.1	4525	GG	AA	AA	INTERGENIC		
SNP_65032B_4776	scaffold1425	NW_004516634.1	4776	AA	CC	CC	INTERGENIC		
SNP_65033B_4804	scaffold1425	NW_004516634.1	4804	AA	GG	GG	INTERGENIC		
SNP_65034B_4814	scaffold1425	NW_004516634.1	4814	TT	GG	GG	INTERGENIC		
SNP_65035B_4852	scaffold1425	NW_004516634.1	4852	TT	AA	AA	INTERGENIC		
SNP_65036B_4853	scaffold1425	NW_004516634.1	4853	AA	CC	CC	INTERGENIC		
SNP_65037B_4874	scaffold1425	NW_004516634.1	4874	AA	TT	TT	INTERGENIC		
SNP_65038B_4889	scaffold1425	NW_004516634.1	4889	GG	AA	AA	INTERGENIC		
SNP_65039B_5570	scaffold1426	NW_004516635.1	5570	AA	GG	GG	INTERGENIC		
SNP_65040B_5631	scaffold1426	NW_004516635.1	5631	TT	AA	AA	INTERGENIC		
SNP_65041B_5786	scaffold1426	NW_004516635.1	5786	CC	TT	TT	INTERGENIC		
SNP_65043B_5971	scaffold1426	NW_004516635.1	5971	TT	GG	GG	INTERGENIC		
SNP_65044B_6191	scaffold1426	NW_004516635.1	6191	TT	GG	GG	INTERGENIC		
SNP_65045B_6209	scaffold1426	NW_004516635.1	6209	TT	CC	CC	INTERGENIC		
SNP_65046B_6220	scaffold1426	NW_004516635.1	6220	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_65047B_6332	scaffold1426	NW_004516635.1	6332	AA	TT	TT	INTERGENIC		
SNP_65049B_6855	scaffold1426	NW_004516635.1	6855	CC	TT	TT	INTERGENIC		
SNP_65050B_7007	scaffold1426	NW_004516635.1	7007	CC	AA	AA	INTERGENIC		
SNP_65051B_7023	scaffold1426	NW_004516635.1	7023	TT	CC	CC	INTERGENIC		
SNP_65052B_7044	scaffold1426	NW_004516635.1	7044	AA	GG	GG	INTERGENIC		
SNP_65053B_7073	scaffold1426	NW_004516635.1	7073	AA	TT	TT	INTERGENIC		
SNP_65055B_7241	scaffold1426	NW_004516635.1	7241	AA	GG	GG	INTERGENIC		
SNP_65056B_7380	scaffold1426	NW_004516635.1	7380	TT	CC	CC	INTERGENIC		
SNP_65057B_7529	scaffold1426	NW_004516635.1	7529	CC	TT	TT	INTERGENIC		
SNP_65058B_11640	scaffold1426	NW_004516635.1	11640	AA	TT	TT	INTERGENIC		
SNP_65059B_820	scaffold1429	NW_004516636.1	820	AA	GG	GG	INTERGENIC		
SNP_65060B_858	scaffold1429	NW_004516636.1	858	TT	GG	GG	INTERGENIC		
SNP_65061B_862	scaffold1429	NW_004516636.1	862	CC	GG	GG	INTERGENIC		
SNP_65062B_1234	scaffold1430	NW_004516637.1	1234	CC	GG	GG	INTERGENIC		
SNP_65064B_2296	scaffold1430	NW_004516637.1	2296	GG	CC	CC	INTERGENIC		
SNP_65065B_4491	scaffold1430	NW_004516637.1	4491	GG	AA	AA	INTERGENIC		
SNP_65066B_4841	scaffold1430	NW_004516637.1	4841	TT	AA	AA	INTERGENIC		
SNP_65067B_8509	scaffold1430	NW_004516637.1	8509	CC	TT	TT	INTERGENIC		
SNP_65068B_8233	scaffold1432	NW_004516638.1	8233	GG	TT	TT	INTERGENIC		
SNP_65069B_79988	scaffold1432	NW_004516638.1	79988	TT	CC	CC	INTERGENIC		
SNP_65070B_80033	scaffold1432	NW_004516638.1	80033	TT	CC	CC	INTERGENIC		
SNP_65071B_80134	scaffold1432	NW_004516638.1	80134	TT	CC	CC	INTERGENIC		
SNP_65072B_80235	scaffold1432	NW_004516638.1	80235	TT	AA	AA	INTERGENIC		
SNP_65073B_80283	scaffold1432	NW_004516638.1	80283	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_65074B_80327	scaffold1432	NW_004516638.1	80327	CC	TT	TT	INTERGENIC		
SNP_65075B_80344	scaffold1432	NW_004516638.1	80344	GG	AA	AA	INTERGENIC		
SNP_65076B_80402	scaffold1432	NW_004516638.1	80402	CC	AA	AA	INTERGENIC		
SNP_65079B_80595	scaffold1432	NW_004516638.1	80595	AA	CC	CC	INTERGENIC		
SNP_65080B_80627	scaffold1432	NW_004516638.1	80627	AA	GG	GG	INTERGENIC		
SNP_65081B_80688	scaffold1432	NW_004516638.1	80688	TT	AA	AA	INTERGENIC		
SNP_65082B_80792	scaffold1432	NW_004516638.1	80792	CC	GG	GG	INTERGENIC		
SNP_65083B_64	scaffold1433	NW_004516639.1	64	CC	AA	AA	INTERGENIC		
SNP_65084B_479	scaffold1433	NW_004516639.1	479	CC	TT	TT	INTERGENIC		
SNP_65085B_4936	scaffold1433	NW_004516639.1	4936	AA	GG	GG	INTERGENIC		
SNP_65086B_4943	scaffold1433	NW_004516639.1	4943	TT	GG	GG	INTERGENIC		
SNP_65087B_6365	scaffold1433	NW_004516639.1	6365	AA	TT	TT	INTERGENIC		
SNP_65088B_8286	scaffold1433	NW_004516639.1	8286	AA	GG	GG	INTERGENIC		
SNP_65089B_8312	scaffold1433	NW_004516639.1	8312	TT	GG	GG	INTERGENIC		
SNP_65090B_8331	scaffold1433	NW_004516639.1	8331	AA	TT	TT	INTERGENIC		
SNP_65091B_8358	scaffold1433	NW_004516639.1	8358	AA	GG	GG	INTERGENIC		
SNP_65092B_8606	scaffold1433	NW_004516639.1	8606	GG	AA	AA	INTERGENIC		
SNP_65093B_8617	scaffold1433	NW_004516639.1	8617	TT	CC	CC	INTERGENIC		
SNP_65094B_8663	scaffold1433	NW_004516639.1	8663	TT	CC	CC	INTERGENIC		
SNP_65095B_9052	scaffold1433	NW_004516639.1	9052	CC	AA	AA	INTERGENIC		
SNP_65096B_9094	scaffold1433	NW_004516639.1	9094	AA	CC	CC	INTERGENIC		
SNP_65097B_9327	scaffold1433	NW_004516639.1	9327	AA	GG	GG	INTERGENIC		
SNP_65098B_9416	scaffold1433	NW_004516639.1	9416	CC	AA	AA	INTERGENIC		
SNP_65099B_10398	scaffold1433	NW_004516639.1	10398	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_65100B_10414	scaffold1433	NW_004516639.1	10414	TT	CC	CC	INTERGENIC		
SNP_65101B_10597	scaffold1433	NW_004516639.1	10597	CC	TT	TT	INTERGENIC		
SNP_65102B_15750	scaffold1433	NW_004516639.1	15750	AA	GG	GG	INTERGENIC		
SNP_65103B_15787	scaffold1433	NW_004516639.1	15787	CC	AA	AA	INTERGENIC		
SNP_65104B_15798	scaffold1433	NW_004516639.1	15798	GG	AA	AA	INTERGENIC		
SNP_65105B_15861	scaffold1433	NW_004516639.1	15861	CC	AA	AA	INTERGENIC		
SNP_65106B_18733	scaffold1433	NW_004516639.1	18733	AA	GG	GG	INTERGENIC		
SNP_65107B_18927	scaffold1433	NW_004516639.1	18927	AA	CC	CC	INTERGENIC		
SNP_65108B_19088	scaffold1433	NW_004516639.1	19088	TT	GG	GG	INTERGENIC		
SNP_65109B_19090	scaffold1433	NW_004516639.1	19090	TT	CC	CC	INTERGENIC		
SNP_65110B_19554	scaffold1433	NW_004516639.1	19554	CC	TT	TT	INTERGENIC		
SNP_65111B_21121	scaffold1433	NW_004516639.1	21121	AA	CC	CC	INTERGENIC		
SNP_65112B_21161	scaffold1433	NW_004516639.1	21161	CC	TT	TT	INTERGENIC		
SNP_65114B_21298	scaffold1433	NW_004516639.1	21298	GG	AA	AA	INTERGENIC		
SNP_65115B_21435	scaffold1433	NW_004516639.1	21435	TT	AA	AA	INTERGENIC		
SNP_65116B_21534	scaffold1433	NW_004516639.1	21534	TT	GG	GG	INTERGENIC		
SNP_65117B_21627	scaffold1433	NW_004516639.1	21627	TT	GG	GG	INTERGENIC		
SNP_65118B_21662	scaffold1433	NW_004516639.1	21662	AA	TT	TT	INTERGENIC		
SNP_65119B_21696	scaffold1433	NW_004516639.1	21696	GG	AA	AA	INTERGENIC		
SNP_65120B_21735	scaffold1433	NW_004516639.1	21735	TT	GG	GG	INTERGENIC		
SNP_65122B_21803	scaffold1433	NW_004516639.1	21803	GG	TT	TT	INTERGENIC		
SNP_65123B_21828	scaffold1433	NW_004516639.1	21828	GG	AA	AA	INTERGENIC		
SNP_65124B_21886	scaffold1433	NW_004516639.1	21886	CC	TT	TT	INTERGENIC		
SNP_65126B_22036	scaffold1433	NW_004516639.1	22036	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_65127B_22055	scaffold1433	NW_004516639.1	22055	TT	CC	CC	INTERGENIC		
SNP_65128B_22214	scaffold1433	NW_004516639.1	22214	TT	CC	CC	INTERGENIC		
SNP_65129B_22239	scaffold1433	NW_004516639.1	22239	GG	AA	AA	INTERGENIC		
SNP_65130B_22328	scaffold1433	NW_004516639.1	22328	TT	GG	GG	INTERGENIC		
SNP_65131B_22331	scaffold1433	NW_004516639.1	22331	GG	TT	TT	INTERGENIC		
SNP_65132B_22393	scaffold1433	NW_004516639.1	22393	GG	CC	CC	INTERGENIC		
SNP_65133B_22413	scaffold1433	NW_004516639.1	22413	TT	GG	GG	INTERGENIC		
SNP_65134B_22457	scaffold1433	NW_004516639.1	22457	AA	GG	GG	INTERGENIC		
SNP_65135B_22489	scaffold1433	NW_004516639.1	22489	CC	TT	TT	INTERGENIC		
SNP_65136B_22493	scaffold1433	NW_004516639.1	22493	CC	TT	TT	INTERGENIC		
SNP_65137B_22527	scaffold1433	NW_004516639.1	22527	CC	TT	TT	INTERGENIC		
SNP_65138B_22543	scaffold1433	NW_004516639.1	22543	AA	TT	TT	INTERGENIC		
SNP_65139B_22584	scaffold1433	NW_004516639.1	22584	TT	AA	AA	INTERGENIC		
SNP_65140B_22669	scaffold1433	NW_004516639.1	22669	TT	CC	CC	INTERGENIC		
SNP_65141B_22692	scaffold1433	NW_004516639.1	22692	AA	GG	GG	INTERGENIC		
SNP_65142B_22818	scaffold1433	NW_004516639.1	22818	CC	AA	AA	INTERGENIC		
SNP_65143B_22870	scaffold1433	NW_004516639.1	22870	TT	GG	GG	INTERGENIC		
SNP_65144B_22935	scaffold1433	NW_004516639.1	22935	CC	AA	AA	INTERGENIC		
SNP_65145B_23040	scaffold1433	NW_004516639.1	23040	AA	TT	TT	INTERGENIC		
SNP_65146B_24689	scaffold1433	NW_004516639.1	24689	CC	TT	TT	INTERGENIC		
SNP_65147B_24737	scaffold1433	NW_004516639.1	24737	AA	GG	GG	INTERGENIC		
SNP_65148B_24979	scaffold1433	NW_004516639.1	24979	AA	GG	GG	INTERGENIC		
SNP_65149B_25009	scaffold1433	NW_004516639.1	25009	GG	AA	AA	INTERGENIC		
SNP_65150B_25051	scaffold1433	NW_004516639.1	25051	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_65151B_25104	scaffold1433	NW_004516639.1	25104	TT	CC	CC	INTERGENIC		
SNP_65152B_25106	scaffold1433	NW_004516639.1	25106	GG	TT	TT	INTERGENIC		
SNP_65153B_25594	scaffold1433	NW_004516639.1	25594	TT	CC	CC	INTERGENIC		
SNP_65154B_25655	scaffold1433	NW_004516639.1	25655	GG	AA	AA	INTERGENIC		
SNP_65155B_25834	scaffold1433	NW_004516639.1	25834	AA	TT	TT	INTERGENIC		
SNP_65156B_25835	scaffold1433	NW_004516639.1	25835	CC	TT	TT	INTERGENIC		
SNP_65157B_25889	scaffold1433	NW_004516639.1	25889	GG	CC	CC	INTERGENIC		
SNP_65158B_32045	scaffold1433	NW_004516639.1	32045	AA	CC	CC	INTERGENIC		
SNP_65162B_38887	scaffold1433	NW_004516639.1	38887	TT	CC	CC	INTERGENIC		
SNP_65163B_1305	scaffold1436	NW_004516640.1	1305	GG	AA	AA	INTERGENIC		
SNP_65164B_1593	scaffold1436	NW_004516640.1	1593	GG	AA	AA	INTERGENIC		
SNP_65166B_64	scaffold1437	NW_004516641.1	64	CC	TT	TT	INTERGENIC		
SNP_65167B_85	scaffold1437	NW_004516641.1	85	AA	GG	GG	INTERGENIC		
SNP_65168B_98	scaffold1437	NW_004516641.1	98	TT	CC	CC	INTERGENIC		
SNP_65169B_11651	scaffold1437	NW_004516641.1	11651	CC	GG	GG	INTERGENIC		
SNP_65170B_54963	scaffold1439	NW_004516642.1	54963	AA	TT	TT	INTERGENIC		
SNP_65172B_199541	scaffold1439	NW_004516642.1	199541	TT	AA	AA	URR	101502227	potassium transporter 4
SNP_65173B_206183	scaffold1439	NW_004516642.1	206183	TT	AA	AA	URR	101504362	uncharacterized protein At4g04775-like
SNP_65174B_206203	scaffold1439	NW_004516642.1	206203	GG	AA	AA	URR	101504362	uncharacterized protein At4g04775-like
SNP_65175B_206204	scaffold1439	NW_004516642.1	206204	TT	CC	CC	URR	101504362	uncharacterized protein At4g04775-like
SNP_65176B_248568	scaffold1439	NW_004516642.1	248568	GG	TT	TT	INTERGENIC		
SNP_65177B_272774	scaffold1439	NW_004516642.1	272774	GG	AA	AA	URR	101505328	uncharacterized LOC101505328
SNP_65178B_274440	scaffold1439	NW_004516642.1	274440	CC	TT	TT	INTERGENIC		
SNP_65179B_2728	scaffold1440	NW_004516643.1	2728	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_65180B_2782	scaffold1440	NW_004516643.1	2782	CC	TT	TT	INTERGENIC		
SNP_65181B_2790	scaffold1440	NW_004516643.1	2790	TT	CC	CC	INTERGENIC		
SNP_65182B_2861	scaffold1440	NW_004516643.1	2861	CC	TT	TT	INTERGENIC		
SNP_65183B_2871	scaffold1440	NW_004516643.1	2871	CC	GG	GG	INTERGENIC		
SNP_65184B_3029	scaffold1440	NW_004516643.1	3029	AA	GG	GG	INTERGENIC		
SNP_65185B_3088	scaffold1440	NW_004516643.1	3088	TT	CC	CC	INTERGENIC		
SNP_65186B_3091	scaffold1440	NW_004516643.1	3091	AA	TT	TT	INTERGENIC		
SNP_65187B_3099	scaffold1440	NW_004516643.1	3099	TT	GG	GG	INTERGENIC		
SNP_65188B_3121	scaffold1440	NW_004516643.1	3121	TT	CC	CC	INTERGENIC		
SNP_65189B_3155	scaffold1440	NW_004516643.1	3155	AA	GG	GG	INTERGENIC		
SNP_65190B_3197	scaffold1440	NW_004516643.1	3197	AA	CC	CC	INTERGENIC		
SNP_65192B_1407	scaffold1445	NW_004516646.1	1407	TT	AA	AA	INTERGENIC		
SNP_65193B_4312	scaffold1445	NW_004516646.1	4312	CC	TT	TT	INTERGENIC		
SNP_65194B_4353	scaffold1445	NW_004516646.1	4353	TT	CC	CC	INTERGENIC		
SNP_65195B_11301	scaffold1446	NW_004516647.1	11301	GG	AA	AA	INTERGENIC		
SNP_65196B_11576	scaffold1447	NW_004516648.1	11576	GG	CC	CC	INTERGENIC		
SNP_65197B_20108	scaffold1447	NW_004516648.1	20108	TT	CC	CC	INTERGENIC		
SNP_65198B_20163	scaffold1447	NW_004516648.1	20163	TT	GG	GG	INTERGENIC		
SNP_65199B_20164	scaffold1447	NW_004516648.1	20164	TT	AA	AA	INTERGENIC		
SNP_65200B_20366	scaffold1447	NW_004516648.1	20366	TT	CC	CC	INTERGENIC		
SNP_65201B_20381	scaffold1447	NW_004516648.1	20381	AA	TT	TT	INTERGENIC		
SNP_65203B_20390	scaffold1447	NW_004516648.1	20390	CC	TT	TT	INTERGENIC		
SNP_65204B_20418	scaffold1447	NW_004516648.1	20418	AA	GG	GG	INTERGENIC		
SNP_65205B_20423	scaffold1447	NW_004516648.1	20423	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_65206B_20438	scaffold1447	NW_004516648.1	20438	TT	CC	CC	INTERGENIC		
SNP_65207B_20439	scaffold1447	NW_004516648.1	20439	CC	TT	TT	INTERGENIC		
SNP_65208B_20450	scaffold1447	NW_004516648.1	20450	GG	TT	TT	INTERGENIC		
SNP_65209B_21271	scaffold1447	NW_004516648.1	21271	TT	CC	CC	INTERGENIC		
SNP_65210B_21615	scaffold1447	NW_004516648.1	21615	GG	TT	TT	INTERGENIC		
SNP_65211B_21660	scaffold1447	NW_004516648.1	21660	TT	AA	AA	INTERGENIC		
SNP_65212B_21675	scaffold1447	NW_004516648.1	21675	TT	GG	GG	INTERGENIC		
SNP_65215B_24600	scaffold1447	NW_004516648.1	24600	TT	AA	AA	INTERGENIC		
SNP_65216B_24635	scaffold1447	NW_004516648.1	24635	TT	CC	CC	INTERGENIC		
SNP_65217B_24663	scaffold1447	NW_004516648.1	24663	AA	CC	CC	INTERGENIC		
SNP_65218B_24672	scaffold1447	NW_004516648.1	24672	TT	CC	CC	INTERGENIC		
SNP_65219B_24684	scaffold1447	NW_004516648.1	24684	GG	AA	AA	INTERGENIC		
SNP_65220B_25703	scaffold1447	NW_004516648.1	25703	AA	CC	CC	INTERGENIC		
SNP_65221B_26280	scaffold1447	NW_004516648.1	26280	AA	TT	TT	INTERGENIC		
SNP_65222B_26295	scaffold1447	NW_004516648.1	26295	GG	AA	AA	INTERGENIC		
SNP_65223B_26336	scaffold1447	NW_004516648.1	26336	CC	TT	TT	INTERGENIC		
SNP_65224B_26338	scaffold1447	NW_004516648.1	26338	CC	TT	TT	INTERGENIC		
SNP_65225B_26340	scaffold1447	NW_004516648.1	26340	AA	GG	GG	INTERGENIC		
SNP_65226B_30861	scaffold1447	NW_004516648.1	30861	GG	CC	CC	INTERGENIC		
SNP_65227B_30872	scaffold1447	NW_004516648.1	30872	TT	AA	AA	INTERGENIC		
SNP_65228B_30879	scaffold1447	NW_004516648.1	30879	CC	TT	TT	INTERGENIC		
SNP_65229B_30964	scaffold1447	NW_004516648.1	30964	CC	TT	TT	INTERGENIC		
SNP_65230B_33824	scaffold1447	NW_004516648.1	33824	AA	CC	CC	INTERGENIC		
SNP_65231B_861	scaffold1448	NW_004516649.1	861	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_65232B_6364	scaffold1448	NW_004516649.1	6364	GG	AA	AA	INTERGENIC		
SNP_65235B_12043	scaffold1448	NW_004516649.1	12043	TT	GG	GG	INTERGENIC		
SNP_65236B_20990	scaffold1448	NW_004516649.1	20990	AA	GG	GG	INTRON	101506404	Unknown function
SNP_65237B_21025	scaffold1448	NW_004516649.1	21025	AA	CC	CC	INTRON	101506404	Unknown function
SNP_65238B_21034	scaffold1448	NW_004516649.1	21034	GG	TT	TT	INTRON	101506404	Unknown function
SNP_65239B_21039	scaffold1448	NW_004516649.1	21039	AA	GG	GG	INTRON	101506404	Unknown function
SNP_65240B_21095	scaffold1448	NW_004516649.1	21095	CC	AA	AA	INTRON	101506404	Unknown function
SNP_65241B_21098	scaffold1448	NW_004516649.1	21098	TT	CC	CC	INTRON	101506404	Unknown function
SNP_65242B_39731	scaffold1448	NW_004516649.1	39731	CC	TT	TT	INTERGENIC		
SNP_65243B_40358	scaffold1448	NW_004516649.1	40358	TT	CC	CC	INTERGENIC		
SNP_65244B_40798	scaffold1448	NW_004516649.1	40798	CC	AA	AA	INTERGENIC		
SNP_65245B_78836	scaffold1448	NW_004516649.1	78836	AA	GG	GG	INTERGENIC		
SNP_65246B_90092	scaffold1448	NW_004516649.1	90092	GG	CC	CC	INTRON	101505659	exportin-7-like
SNP_65247B_90100	scaffold1448	NW_004516649.1	90100	AA	GG	GG	INTRON	101505659	exportin-7-like
SNP_65248B_90420	scaffold1448	NW_004516649.1	90420	GG	AA	AA	INTRON	101505659	exportin-7-like
SNP_65249B_98811	scaffold1448	NW_004516649.1	98811	CC	GG	GG	INTERGENIC		
SNP_65251B_109285	scaffold1448	NW_004516649.1	109285	GG	AA	AA	INTERGENIC		
SNP_65252B_116749	scaffold1448	NW_004516649.1	116749	TT	CC	CC	INTERGENIC		
SNP_65253B_144037	scaffold1448	NW_004516649.1	144037	TT	CC	CC	INTERGENIC		
SNP_65254B_144038	scaffold1448	NW_004516649.1	144038	CC	TT	TT	INTERGENIC		
SNP_65255B_3537	scaffold1449	NW_004516650.1	3537	CC	GG	GG	INTERGENIC		
SNP_65257B_6752	scaffold1449	NW_004516650.1	6752	TT	CC	CC	INTERGENIC		
SNP_65258B_6765	scaffold1449	NW_004516650.1	6765	CC	GG	GG	INTERGENIC		
SNP_65259B_6844	scaffold1449	NW_004516650.1	6844	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_65260B_7149	scaffold1449	NW_004516650.1	7149	AA	GG	GG	INTERGENIC		
SNP_65261B_7581	scaffold1449	NW_004516650.1	7581	AA	CC	CC	INTERGENIC		
SNP_65262B_7638	scaffold1449	NW_004516650.1	7638	GG	AA	AA	INTERGENIC		
SNP_65263B_7668	scaffold1449	NW_004516650.1	7668	GG	TT	TT	INTERGENIC		
SNP_65264B_11307	scaffold1449	NW_004516650.1	11307	TT	CC	CC	INTERGENIC		
SNP_65265B_19528	scaffold1449	NW_004516650.1	19528	GG	TT	TT	INTERGENIC		
SNP_65266B_19597	scaffold1449	NW_004516650.1	19597	AA	GG	GG	INTERGENIC		
SNP_65267B_28302	scaffold1449	NW_004516650.1	28302	GG	AA	AA	INTERGENIC		
SNP_65268B_47982	scaffold1449	NW_004516650.1	47982	TT	CC	CC	INTERGENIC		
SNP_65269B_59017	scaffold1449	NW_004516650.1	59017	CC	TT	TT	INTERGENIC		
SNP_65271B_54169	scaffold1450	NW_004516651.1	54169	CC	AA	AA	INTERGENIC		
SNP_65272B_62698	scaffold1450	NW_004516651.1	62698	GG	AA	AA	INTERGENIC		
SNP_65273B_71846	scaffold1450	NW_004516651.1	71846	AA	GG	GG	INTERGENIC		
SNP_65274B_71870	scaffold1450	NW_004516651.1	71870	GG	AA	AA	INTERGENIC		
SNP_65275B_880	scaffold1452	NW_004516653.1	880	AA	TT	TT	INTERGENIC		
SNP_65277B_4016	scaffold1452	NW_004516653.1	4016	GG	TT	TT	INTERGENIC		
SNP_65279B_4090	scaffold1452	NW_004516653.1	4090	AA	TT	TT	INTERGENIC		
SNP_65280B_4107	scaffold1452	NW_004516653.1	4107	TT	CC	CC	INTERGENIC		
SNP_65281B_4123	scaffold1452	NW_004516653.1	4123	GG	AA	AA	INTERGENIC		
SNP_65282B_6389	scaffold1452	NW_004516653.1	6389	GG	AA	AA	INTERGENIC		
SNP_65284B_29820	scaffold1452	NW_004516653.1	29820	TT	AA	AA	INTERGENIC		
SNP_65285B_29854	scaffold1452	NW_004516653.1	29854	TT	AA	AA	INTERGENIC		
SNP_65286B_29871	scaffold1452	NW_004516653.1	29871	AA	TT	TT	INTERGENIC		
SNP_65287B_30013	scaffold1452	NW_004516653.1	30013	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_65288B_30110	scaffold1452	NW_004516653.1	30110	TT	AA	AA	INTERGENIC		
SNP_65289B_30167	scaffold1452	NW_004516653.1	30167	TT	AA	AA	INTERGENIC		
SNP_65290B_30196	scaffold1452	NW_004516653.1	30196	AA	CC	CC	INTERGENIC		
SNP_65291B_30205	scaffold1452	NW_004516653.1	30205	CC	TT	TT	INTERGENIC		
SNP_65293B_30221	scaffold1452	NW_004516653.1	30221	CC	AA	AA	INTERGENIC		
SNP_65294B_30289	scaffold1452	NW_004516653.1	30289	GG	TT	TT	INTERGENIC		
SNP_65295B_30293	scaffold1452	NW_004516653.1	30293	GG	TT	TT	INTERGENIC		
SNP_65296B_30349	scaffold1452	NW_004516653.1	30349	CC	GG	GG	INTERGENIC		
SNP_65297B_30386	scaffold1452	NW_004516653.1	30386	TT	GG	GG	INTERGENIC		
SNP_65298B_30390	scaffold1452	NW_004516653.1	30390	AA	TT	TT	INTERGENIC		
SNP_65299B_30481	scaffold1452	NW_004516653.1	30481	GG	AA	AA	INTERGENIC		
SNP_65300B_30487	scaffold1452	NW_004516653.1	30487	GG	TT	TT	INTERGENIC		
SNP_65301B_30490	scaffold1452	NW_004516653.1	30490	AA	CC	CC	INTERGENIC		
SNP_65302B_414	scaffold1453	NW_004516654.1	414	GG	CC	CC	INTERGENIC		
SNP_65303B_25676	scaffold1453	NW_004516654.1	25676	GG	TT	TT	INTERGENIC		
SNP_65304B_34796	scaffold1453	NW_004516654.1	34796	GG	AA	AA	INTERGENIC		
SNP_65305B_34879	scaffold1453	NW_004516654.1	34879	CC	AA	AA	INTERGENIC		
SNP_65306B_35383	scaffold1453	NW_004516654.1	35383	CC	TT	TT	INTERGENIC		
SNP_65307B_51908	scaffold1453	NW_004516654.1	51908	CC	GG	GG	INTERGENIC		
SNP_65308B_82294	scaffold1453	NW_004516654.1	82294	GG	CC	CC	INTERGENIC		
SNP_65309B_99040	scaffold1453	NW_004516654.1	99040	CC	TT	TT	INTERGENIC		
SNP_65310B_99041	scaffold1453	NW_004516654.1	99041	CC	AA	AA	INTERGENIC		
SNP_65311B_108325	scaffold1453	NW_004516654.1	108325	TT	GG	GG	INTERGENIC		
SNP_65312B_108361	scaffold1453	NW_004516654.1	108361	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_65313B_108396	scaffold1453	NW_004516654.1	108396	AA	TT	TT	INTERGENIC		
SNP_65314B_108413	scaffold1453	NW_004516654.1	108413	GG	TT	TT	INTERGENIC		
SNP_65315B_108784	scaffold1453	NW_004516654.1	108784	CC	TT	TT	INTERGENIC		
SNP_65316B_108788	scaffold1453	NW_004516654.1	108788	AA	GG	GG	INTERGENIC		
SNP_65317B_108807	scaffold1453	NW_004516654.1	108807	CC	GG	GG	INTERGENIC		
SNP_65318B_108834	scaffold1453	NW_004516654.1	108834	AA	GG	GG	INTERGENIC		
SNP_65319B_108865	scaffold1453	NW_004516654.1	108865	AA	GG	GG	INTERGENIC		
SNP_65320B_108904	scaffold1453	NW_004516654.1	108904	AA	GG	GG	INTERGENIC		
SNP_65321B_108926	scaffold1453	NW_004516654.1	108926	CC	TT	TT	INTERGENIC		
SNP_65322B_109079	scaffold1453	NW_004516654.1	109079	CC	TT	TT	INTERGENIC		
SNP_65323B_109085	scaffold1453	NW_004516654.1	109085	TT	AA	AA	INTERGENIC		
SNP_65324B_109106	scaffold1453	NW_004516654.1	109106	TT	CC	CC	INTERGENIC		
SNP_65325B_109134	scaffold1453	NW_004516654.1	109134	GG	TT	TT	INTERGENIC		
SNP_65326B_109135	scaffold1453	NW_004516654.1	109135	GG	CC	CC	INTERGENIC		
SNP_65327B_109214	scaffold1453	NW_004516654.1	109214	CC	GG	GG	INTERGENIC		
SNP_65328B_109222	scaffold1453	NW_004516654.1	109222	TT	CC	CC	INTERGENIC		
SNP_65329B_109297	scaffold1453	NW_004516654.1	109297	CC	AA	AA	INTERGENIC		
SNP_65330B_109307	scaffold1453	NW_004516654.1	109307	AA	CC	CC	INTERGENIC		
SNP_65331B_6891	scaffold1455	NW_004516655.1	6891	GG	AA	AA	INTERGENIC		
SNP_65332B_7116	scaffold1455	NW_004516655.1	7116	TT	AA	AA	INTERGENIC		
SNP_65333B_7134	scaffold1455	NW_004516655.1	7134	AA	CC	CC	INTERGENIC		
SNP_65334B_11106	scaffold1455	NW_004516655.1	11106	AA	GG	GG	INTERGENIC		
SNP_65335B_11129	scaffold1455	NW_004516655.1	11129	TT	CC	CC	INTERGENIC		
SNP_65336B_11414	scaffold1455	NW_004516655.1	11414	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_65337B_11734	scaffold1455	NW_004516655.1	11734	CC	TT	TT	INTERGENIC		
SNP_65338B_11790	scaffold1455	NW_004516655.1	11790	CC	TT	TT	INTERGENIC		
SNP_65339B_12175	scaffold1455	NW_004516655.1	12175	GG	AA	AA	INTERGENIC		
SNP_65340B_12403	scaffold1455	NW_004516655.1	12403	AA	GG	GG	INTERGENIC		
SNP_65341B_12662	scaffold1455	NW_004516655.1	12662	TT	GG	GG	INTERGENIC		
SNP_65342B_12908	scaffold1455	NW_004516655.1	12908	AA	CC	CC	INTERGENIC		
SNP_65344B_13238	scaffold1455	NW_004516655.1	13238	CC	TT	TT	INTERGENIC		
SNP_65345B_13813	scaffold1455	NW_004516655.1	13813	CC	GG	GG	INTERGENIC		
SNP_65346B_16236	scaffold1455	NW_004516655.1	16236	GG	TT	TT	INTERGENIC		
SNP_65347B_18515	scaffold1455	NW_004516655.1	18515	TT	AA	AA	INTERGENIC		
SNP_65348B_18655	scaffold1455	NW_004516655.1	18655	GG	AA	AA	INTERGENIC		
SNP_65349B_18920	scaffold1455	NW_004516655.1	18920	TT	CC	CC	INTERGENIC		
SNP_65350B_19070	scaffold1455	NW_004516655.1	19070	GG	AA	AA	INTERGENIC		
SNP_65351B_21455	scaffold1455	NW_004516655.1	21455	TT	GG	GG	INTERGENIC		
SNP_65352B_21595	scaffold1455	NW_004516655.1	21595	CC	GG	GG	INTERGENIC		
SNP_65353B_21604	scaffold1455	NW_004516655.1	21604	CC	AA	AA	INTERGENIC		
SNP_65354B_21607	scaffold1455	NW_004516655.1	21607	AA	GG	GG	INTERGENIC		
SNP_65355B_42388	scaffold1455	NW_004516655.1	42388	TT	GG	GG	INTERGENIC		
SNP_65356B_1312	scaffold1456	NW_004516656.1	1312	TT	CC	CC	INTERGENIC		
SNP_65357B_19649	scaffold1457	NW_004516657.1	19649	GG	AA	AA	INTERGENIC		
SNP_65358B_19944	scaffold1457	NW_004516657.1	19944	AA	TT	TT	INTERGENIC		
SNP_65360B_25671	scaffold1457	NW_004516657.1	25671	GG	CC	CC	INTERGENIC		
SNP_65361B_34301	scaffold1457	NW_004516657.1	34301	TT	CC	CC	INTERGENIC		
SNP_65362B_68576	scaffold1457	NW_004516657.1	68576	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_65363B_935	scaffold1459	NW_004516659.1	935	TT	CC	CC	INTERGENIC		
SNP_65364B_4696	scaffold1459	NW_004516659.1	4696	TT	CC	CC	SYNONYMOUS_CODING	101507699	uncharacterized LOC101507699
SNP_65365B_5511	scaffold1459	NW_004516659.1	5511	GG	AA	AA	STOP_GAINED	101507699	uncharacterized LOC101507699
SNP_65366B_6197	scaffold1459	NW_004516659.1	6197	TT	CC	CC	NON_SYNONYMOUS_CODING	101507699	uncharacterized LOC101507699
SNP_65367B_6202	scaffold1459	NW_004516659.1	6202	CC	TT	TT	SYNONYMOUS_CODING	101507699	uncharacterized LOC101507699
SNP_65368B_12390	scaffold1461	NW_004516661.1	12390	GG	CC	CC	INTERGENIC		
SNP_65369B_12567	scaffold1461	NW_004516661.1	12567	CC	TT	TT	INTERGENIC		
SNP_65370B_13019	scaffold1461	NW_004516661.1	13019	GG	AA	AA	INTERGENIC		
SNP_65372B_12719	scaffold1462	NW_004516662.1	12719	CC	TT	TT	INTERGENIC		
SNP_65373B_12891	scaffold1462	NW_004516662.1	12891	CC	TT	TT	INTERGENIC		
SNP_65374B_12893	scaffold1462	NW_004516662.1	12893	AA	TT	TT	INTERGENIC		
SNP_65375B_15068	scaffold1462	NW_004516662.1	15068	GG	TT	TT	INTERGENIC		
SNP_65376B_15228	scaffold1462	NW_004516662.1	15228	GG	AA	AA	INTERGENIC		
SNP_65377B_15118	scaffold1464	NW_004516663.1	15118	GG	TT	TT	INTERGENIC		
SNP_65378B_69835	scaffold1464	NW_004516663.1	69835	GG	AA	AA	INTERGENIC		
SNP_65379B_69894	scaffold1464	NW_004516663.1	69894	CC	GG	GG	INTERGENIC		
SNP_65380B_70111	scaffold1464	NW_004516663.1	70111	TT	CC	CC	INTERGENIC		
SNP_65381B_70240	scaffold1464	NW_004516663.1	70240	TT	AA	AA	INTERGENIC		
SNP_65382B_79188	scaffold1464	NW_004516663.1	79188	TT	GG	GG	INTERGENIC		
SNP_65383B_79212	scaffold1464	NW_004516663.1	79212	TT	CC	CC	INTERGENIC		
SNP_65384B_89961	scaffold1464	NW_004516663.1	89961	TT	CC	CC	INTERGENIC		
SNP_65385B_90005	scaffold1464	NW_004516663.1	90005	AA	GG	GG	INTERGENIC		
SNP_65386B_90136	scaffold1464	NW_004516663.1	90136	CC	TT	TT	INTERGENIC		
SNP_65387B_90140	scaffold1464	NW_004516663.1	90140	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_65388B_90147	scaffold1464	NW_004516663.1	90147	TT	CC	CC	INTERGENIC		
SNP_65390B_8491	scaffold1465	NW_004516664.1	8491	TT	CC	CC	INTERGENIC		
SNP_65391B_8492	scaffold1465	NW_004516664.1	8492	TT	GG	GG	INTERGENIC		
SNP_65392B_12118	scaffold1465	NW_004516664.1	12118	GG	TT	TT	INTERGENIC		
SNP_65393B_12140	scaffold1465	NW_004516664.1	12140	AA	TT	TT	INTERGENIC		
SNP_65394B_12212	scaffold1465	NW_004516664.1	12212	AA	CC	CC	INTERGENIC		
SNP_65395B_12558	scaffold1465	NW_004516664.1	12558	TT	AA	AA	INTERGENIC		
SNP_65396B_12668	scaffold1465	NW_004516664.1	12668	GG	AA	AA	INTERGENIC		
SNP_65398B_22550	scaffold1465	NW_004516664.1	22550	CC	TT	TT	INTERGENIC		
SNP_65399B_22780	scaffold1465	NW_004516664.1	22780	AA	CC	CC	INTERGENIC		
SNP_65400B_86018	scaffold1466	NW_004516665.1	86018	CC	TT	TT	INTERGENIC		
SNP_65401B_144437	scaffold1466	NW_004516665.1	144437	AA	GG	GG	INTERGENIC		
SNP_65402B_179799	scaffold1466	NW_004516665.1	179799	CC	TT	TT	INTERGENIC		
SNP_65403B_181151	scaffold1466	NW_004516665.1	181151	AA	CC	CC	INTERGENIC		
SNP_65404B_241253	scaffold1466	NW_004516665.1	241253	TT	CC	CC	INTERGENIC		
SNP_65405B_241255	scaffold1466	NW_004516665.1	241255	TT	CC	CC	INTERGENIC		
SNP_65406B_241446	scaffold1466	NW_004516665.1	241446	TT	CC	CC	INTERGENIC		
SNP_65407B_241640	scaffold1466	NW_004516665.1	241640	TT	AA	AA	INTERGENIC		
SNP_65408B_241656	scaffold1466	NW_004516665.1	241656	CC	TT	TT	INTERGENIC		
SNP_65409B_241686	scaffold1466	NW_004516665.1	241686	GG	AA	AA	INTERGENIC		
SNP_65410B_265290	scaffold1466	NW_004516665.1	265290	CC	TT	TT	INTERGENIC		
SNP_65411B_281192	scaffold1466	NW_004516665.1	281192	AA	CC	CC	INTRON	101515101	Unknown function
SNP_65412B_311987	scaffold1466	NW_004516665.1	311987	AA	GG	GG	INTERGENIC		
SNP_65413B_323421	scaffold1466	NW_004516665.1	323421	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_65414B_328634	scaffold1466	NW_004516665.1	328634	AA	GG	GG	INTERGENIC		
SNP_65415B_358484	scaffold1466	NW_004516665.1	358484	AA	GG	GG	URR	101488515	uncharacterized LOC101488515
SNP_65418B_22476	scaffold1467	NW_004516666.1	22476	TT	CC	CC	INTERGENIC		
SNP_65419B_22480	scaffold1467	NW_004516666.1	22480	TT	GG	GG	INTERGENIC		
SNP_65420B_22481	scaffold1467	NW_004516666.1	22481	GG	TT	TT	INTERGENIC		
SNP_65421B_91880	scaffold1467	NW_004516666.1	91880	CC	TT	TT	INTERGENIC		
SNP_65422B_92227	scaffold1467	NW_004516666.1	92227	GG	CC	CC	INTERGENIC		
SNP_65423B_92228	scaffold1467	NW_004516666.1	92228	CC	AA	AA	INTERGENIC		
SNP_65425B_143339	scaffold1467	NW_004516666.1	143339	TT	CC	CC	INTERGENIC		
SNP_65426B_3549	scaffold1468	NW_004516667.1	3549	GG	AA	AA	INTERGENIC		
SNP_65427B_3550	scaffold1468	NW_004516667.1	3550	TT	AA	AA	INTERGENIC		
SNP_65428B_3734	scaffold1468	NW_004516667.1	3734	GG	CC	CC	INTERGENIC		
SNP_65429B_4037	scaffold1468	NW_004516667.1	4037	GG	TT	TT	INTERGENIC		
SNP_65430B_858	scaffold1472	NW_004516669.1	858	CC	TT	TT	INTERGENIC		
SNP_65431B_2253	scaffold1472	NW_004516669.1	2253	TT	CC	CC	INTERGENIC		
SNP_65432B_2063	scaffold1473	NW_004516670.1	2063	AA	GG	GG	INTERGENIC		
SNP_65433B_2230	scaffold1473	NW_004516670.1	2230	CC	TT	TT	INTERGENIC		
SNP_65434B_2347	scaffold1473	NW_004516670.1	2347	TT	GG	GG	INTERGENIC		
SNP_65435B_2590	scaffold1473	NW_004516670.1	2590	TT	AA	AA	INTERGENIC		
SNP_65436B_2737	scaffold1473	NW_004516670.1	2737	AA	GG	GG	INTERGENIC		
SNP_65437B_2924	scaffold1473	NW_004516670.1	2924	AA	GG	GG	INTERGENIC		
SNP_65438B_3047	scaffold1473	NW_004516670.1	3047	TT	CC	CC	INTERGENIC		
SNP_65439B_3060	scaffold1473	NW_004516670.1	3060	GG	AA	AA	INTERGENIC		
SNP_65440B_3404	scaffold1473	NW_004516670.1	3404	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_65441B_42497	scaffold1475	NW_004516671.1	42497	TT	CC	CC	INTERGENIC		
SNP_65442B_42498	scaffold1475	NW_004516671.1	42498	CC	AA	AA	INTERGENIC		
SNP_65443B_69193	scaffold1475	NW_004516671.1	69193	GG	AA	AA	INTRON	101492305	uncharacterized LOC101492305
SNP_65444B_73572	scaffold1475	NW_004516671.1	73572	GG	TT	TT	INTERGENIC		
SNP_65445B_73582	scaffold1475	NW_004516671.1	73582	TT	AA	AA	INTERGENIC		
SNP_65446B_81549	scaffold1475	NW_004516671.1	81549	TT	GG	GG	INTERGENIC		
SNP_65447B_99384	scaffold1475	NW_004516671.1	99384	CC	TT	TT	INTERGENIC		
SNP_65448B_99630	scaffold1475	NW_004516671.1	99630	AA	GG	GG	INTERGENIC		
SNP_65449B_99632	scaffold1475	NW_004516671.1	99632	TT	CC	CC	INTERGENIC		
SNP_65450B_99825	scaffold1475	NW_004516671.1	99825	TT	CC	CC	INTERGENIC		
SNP_65452B_899	scaffold1477	NW_004516673.1	899	TT	CC	CC	INTERGENIC		
SNP_65453B_8983	scaffold1478	NW_004516674.1	8983	TT	GG	GG	INTERGENIC		
SNP_65454B_9033	scaffold1478	NW_004516674.1	9033	TT	CC	CC	INTERGENIC		
SNP_65455B_11224	scaffold1478	NW_004516674.1	11224	TT	GG	GG	INTERGENIC		
SNP_65456B_21378	scaffold1478	NW_004516674.1	21378	AA	TT	TT	INTERGENIC		
SNP_65457B_23623	scaffold1478	NW_004516674.1	23623	AA	GG	GG	INTERGENIC		
SNP_65458B_43036	scaffold1478	NW_004516674.1	43036	TT	GG	GG	INTERGENIC		
SNP_65459B_45183	scaffold1478	NW_004516674.1	45183	TT	CC	CC	INTERGENIC		
SNP_65460B_64265	scaffold1478	NW_004516674.1	64265	AA	CC	CC	INTERGENIC		
SNP_65461B_73537	scaffold1478	NW_004516674.1	73537	TT	AA	AA	INTERGENIC		
SNP_65462B_73539	scaffold1478	NW_004516674.1	73539	AA	CC	CC	INTERGENIC		
SNP_65463B_73581	scaffold1478	NW_004516674.1	73581	GG	AA	AA	INTERGENIC		
SNP_65465B_92172	scaffold1478	NW_004516674.1	92172	AA	GG	GG	INTERGENIC		
SNP_65466B_5716	scaffold1483	NW_004516678.1	5716	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_65467B_5748	scaffold1483	NW_004516678.1	5748	TT	CC	CC	INTERGENIC		
SNP_65468B_5984	scaffold1483	NW_004516678.1	5984	GG	AA	AA	INTERGENIC		
SNP_65469B_6000	scaffold1483	NW_004516678.1	6000	CC	TT	TT	INTERGENIC		
SNP_65470B_6016	scaffold1483	NW_004516678.1	6016	GG	TT	TT	INTERGENIC		
SNP_65471B_6017	scaffold1483	NW_004516678.1	6017	GG	AA	AA	INTERGENIC		
SNP_65472B_6030	scaffold1483	NW_004516678.1	6030	CC	TT	TT	INTERGENIC		
SNP_65473B_6309	scaffold1483	NW_004516678.1	6309	GG	CC	CC	DRR	101494677	Unknown function
SNP_65474B_6377	scaffold1483	NW_004516678.1	6377	AA	GG	GG	DRR	101494677	Unknown function
SNP_65475B_6399	scaffold1483	NW_004516678.1	6399	GG	CC	CC	DRR	101494677	Unknown function
SNP_65476B_6411	scaffold1483	NW_004516678.1	6411	CC	AA	AA	DRR	101494677	Unknown function
SNP_65478B_6533	scaffold1483	NW_004516678.1	6533	CC	TT	TT	DRR	101494677	Unknown function
SNP_65479B_6536	scaffold1483	NW_004516678.1	6536	GG	AA	AA	DRR	101494677	Unknown function
SNP_65480B_6564	scaffold1483	NW_004516678.1	6564	GG	CC	CC	DRR	101494677	Unknown function
SNP_65481B_6606	scaffold1483	NW_004516678.1	6606	GG	AA	AA	DRR	101494677	Unknown function
SNP_65482B_6618	scaffold1483	NW_004516678.1	6618	TT	GG	GG	DRR	101494677	Unknown function
SNP_65483B_6665	scaffold1483	NW_004516678.1	6665	AA	CC	CC	DRR	101494677	Unknown function
SNP_65484B_6713	scaffold1483	NW_004516678.1	6713	CC	TT	TT	DRR	101494677	Unknown function
SNP_65485B_6764	scaffold1483	NW_004516678.1	6764	TT	CC	CC	DRR	101494677	Unknown function
SNP_65486B_6772	scaffold1483	NW_004516678.1	6772	CC	TT	TT	DRR	101494677	Unknown function
SNP_65487B_6809	scaffold1483	NW_004516678.1	6809	TT	CC	CC	DRR	101494677	Unknown function
SNP_65488B_6814	scaffold1483	NW_004516678.1	6814	TT	CC	CC	DRR	101494677	Unknown function
SNP_65489B_6817	scaffold1483	NW_004516678.1	6817	AA	TT	TT	DRR	101494677	Unknown function
SNP_65491B_6891	scaffold1483	NW_004516678.1	6891	TT	GG	GG	DRR	101494677	Unknown function
SNP_65492B_6901	scaffold1483	NW_004516678.1	6901	AA	GG	GG	DRR	101494677	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_65493B_6917	scaffold1483	NW_004516678.1	6917	AA	CC	CC	DRR	101494677	Unknown function
SNP_65494B_6930	scaffold1483	NW_004516678.1	6930	GG	CC	CC	DRR	101494677	Unknown function
SNP_65495B_28011	scaffold1483	NW_004516678.1	28011	CC	TT	TT	INTERGENIC		
SNP_65496B_34496	scaffold1483	NW_004516678.1	34496	TT	CC	CC	INTERGENIC		
SNP_65497B_54800	scaffold1483	NW_004516678.1	54800	AA	TT	TT	INTERGENIC		
SNP_65498B_54848	scaffold1483	NW_004516678.1	54848	CC	TT	TT	INTERGENIC		
SNP_65499B_55108	scaffold1483	NW_004516678.1	55108	AA	GG	GG	INTERGENIC		
SNP_65500B_55114	scaffold1483	NW_004516678.1	55114	GG	TT	TT	INTERGENIC		
SNP_65501B_55117	scaffold1483	NW_004516678.1	55117	TT	GG	GG	INTERGENIC		
SNP_65502B_55122	scaffold1483	NW_004516678.1	55122	TT	CC	CC	INTERGENIC		
SNP_65503B_55403	scaffold1483	NW_004516678.1	55403	CC	TT	TT	INTERGENIC		
SNP_65504B_55520	scaffold1483	NW_004516678.1	55520	GG	AA	AA	INTERGENIC		
SNP_65505B_56860	scaffold1483	NW_004516678.1	56860	AA	CC	CC	URR	101493627	probable serine/threonine-protein kinase WNK3
SNP_65506B_57081	scaffold1483	NW_004516678.1	57081	AA	CC	CC	URR	101493627	probable serine/threonine-protein kinase WNK3
SNP_65507B_69213	scaffold1483	NW_004516678.1	69213	AA	GG	GG	INTERGENIC		
SNP_65508B_69313	scaffold1483	NW_004516678.1	69313	TT	AA	AA	INTERGENIC		
SNP_65509B_69768	scaffold1483	NW_004516678.1	69768	AA	CC	CC	DRR	101492971	pentatricopeptide repeat-containing protein At3g22470, mitochondrial-like
SNP_65510B_69873	scaffold1483	NW_004516678.1	69873	GG	CC	CC	DRR	101492971	pentatricopeptide repeat-containing protein At3g22470, mitochondrial-like
SNP_65511B_69969	scaffold1483	NW_004516678.1	69969	GG	AA	AA	DRR	101492971	pentatricopeptide repeat-containing protein At3g22470, mitochondrial-like
SNP_65512B_474	scaffold1486	NW_004516680.1	474	TT	AA	AA	INTERGENIC		
SNP_65513B_64	scaffold1488	NW_004516681.1	64	GG	CC	CC	INTERGENIC		
SNP_65514B_85	scaffold1488	NW_004516681.1	85	AA	CC	CC	INTERGENIC		
SNP_65515B_89	scaffold1488	NW_004516681.1	89	GG	AA	AA	INTERGENIC		
SNP_65516B_325	scaffold1488	NW_004516681.1	325	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_65517B_341	scaffold1488	NW_004516681.1	341	AA	CC	CC	INTERGENIC		
SNP_65518B_512	scaffold1488	NW_004516681.1	512	AA	TT	TT	INTERGENIC		
SNP_65520B_650	scaffold1490	NW_004516683.1	650	GG	CC	CC	INTERGENIC		
SNP_65521B_668	scaffold1490	NW_004516683.1	668	GG	CC	CC	INTERGENIC		
SNP_65522B_687	scaffold1490	NW_004516683.1	687	TT	AA	AA	INTERGENIC		
SNP_65523B_702	scaffold1490	NW_004516683.1	702	CC	AA	AA	INTERGENIC		
SNP_65524B_730	scaffold1490	NW_004516683.1	730	CC	TT	TT	INTERGENIC		
SNP_65525B_766	scaffold1490	NW_004516683.1	766	GG	TT	TT	INTERGENIC		
SNP_65526B_938	scaffold1490	NW_004516683.1	938	CC	AA	AA	INTERGENIC		
SNP_65527B_968	scaffold1490	NW_004516683.1	968	GG	AA	AA	INTERGENIC		
SNP_65528B_973	scaffold1490	NW_004516683.1	973	CC	AA	AA	INTERGENIC		
SNP_65529B_974	scaffold1490	NW_004516683.1	974	GG	AA	AA	INTERGENIC		
SNP_65530B_1009	scaffold1490	NW_004516683.1	1009	GG	AA	AA	INTERGENIC		
SNP_65531B_1048	scaffold1490	NW_004516683.1	1048	TT	CC	CC	INTERGENIC		
SNP_65532B_1141	scaffold1490	NW_004516683.1	1141	AA	CC	CC	INTERGENIC		
SNP_65533B_1151	scaffold1490	NW_004516683.1	1151	AA	GG	GG	INTERGENIC		
SNP_65534B_1158	scaffold1490	NW_004516683.1	1158	GG	AA	AA	INTERGENIC		
SNP_65535B_1229	scaffold1490	NW_004516683.1	1229	GG	CC	CC	INTERGENIC		
SNP_65537B_1296	scaffold1490	NW_004516683.1	1296	TT	CC	CC	INTERGENIC		
SNP_65538B_1431	scaffold1490	NW_004516683.1	1431	AA	TT	TT	INTERGENIC		
SNP_65539B_12154	scaffold1490	NW_004516683.1	12154	AA	TT	TT	INTERGENIC		
SNP_65540B_12176	scaffold1490	NW_004516683.1	12176	TT	GG	GG	INTERGENIC		
SNP_65541B_12177	scaffold1490	NW_004516683.1	12177	TT	AA	AA	INTERGENIC		
SNP_65542B_12198	scaffold1490	NW_004516683.1	12198	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_65543B_14254	scaffold1490	NW_004516683.1	14254	AA	GG	GG	INTERGENIC		
SNP_65544B_14257	scaffold1490	NW_004516683.1	14257	AA	CC	CC	INTERGENIC		
SNP_65545B_14266	scaffold1490	NW_004516683.1	14266	GG	AA	AA	INTERGENIC		
SNP_65546B_16398	scaffold1490	NW_004516683.1	16398	AA	CC	CC	INTERGENIC		
SNP_65547B_73801	scaffold1490	NW_004516683.1	73801	TT	CC	CC	INTERGENIC		
SNP_65549B_74312	scaffold1490	NW_004516683.1	74312	TT	AA	AA	INTERGENIC		
SNP_65550B_74318	scaffold1490	NW_004516683.1	74318	TT	CC	CC	INTERGENIC		
SNP_65551B_74360	scaffold1490	NW_004516683.1	74360	TT	CC	CC	INTERGENIC		
SNP_65552B_74649	scaffold1490	NW_004516683.1	74649	AA	GG	GG	INTERGENIC		
SNP_65553B_78057	scaffold1490	NW_004516683.1	78057	GG	AA	AA	INTERGENIC		
SNP_65554B_625	scaffold1491	NW_004516684.1	625	GG	CC	CC	INTERGENIC		
SNP_65555B_653	scaffold1491	NW_004516684.1	653	CC	GG	GG	INTERGENIC		
SNP_65556B_671	scaffold1491	NW_004516684.1	671	GG	TT	TT	INTERGENIC		
SNP_65557B_2064	scaffold1493	NW_004516686.1	2064	AA	TT	TT	INTERGENIC		
SNP_65558B_2174	scaffold1493	NW_004516686.1	2174	GG	AA	AA	INTERGENIC		
SNP_65559B_2217	scaffold1493	NW_004516686.1	2217	CC	TT	TT	INTERGENIC		
SNP_65560B_2349	scaffold1493	NW_004516686.1	2349	GG	AA	AA	INTERGENIC		
SNP_65561B_2355	scaffold1493	NW_004516686.1	2355	AA	GG	GG	INTERGENIC		
SNP_65562B_2827	scaffold1493	NW_004516686.1	2827	GG	CC	CC	INTERGENIC		
SNP_65563B_2843	scaffold1493	NW_004516686.1	2843	AA	GG	GG	INTERGENIC		
SNP_65564B_3363	scaffold1493	NW_004516686.1	3363	AA	GG	GG	INTERGENIC		
SNP_65565B_3434	scaffold1493	NW_004516686.1	3434	AA	GG	GG	INTERGENIC		
SNP_65566B_3508	scaffold1493	NW_004516686.1	3508	TT	CC	CC	INTERGENIC		
SNP_65567B_3609	scaffold1493	NW_004516686.1	3609	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_65568B_12823	scaffold1493	NW_004516686.1	12823	AA	GG	GG	INTERGENIC		
SNP_65569B_12827	scaffold1493	NW_004516686.1	12827	CC	TT	TT	INTERGENIC		
SNP_65570B_34739	scaffold1493	NW_004516686.1	34739	GG	AA	AA	INTERGENIC		
SNP_65571B_34874	scaffold1493	NW_004516686.1	34874	CC	TT	TT	INTERGENIC		
SNP_65572B_34907	scaffold1493	NW_004516686.1	34907	GG	AA	AA	INTERGENIC		
SNP_65573B_34913	scaffold1493	NW_004516686.1	34913	TT	CC	CC	INTERGENIC		
SNP_65574B_38511	scaffold1493	NW_004516686.1	38511	CC	GG	GG	INTERGENIC		
SNP_65575B_56118	scaffold1493	NW_004516686.1	56118	AA	GG	GG	INTERGENIC		
SNP_65576B_56149	scaffold1493	NW_004516686.1	56149	AA	GG	GG	INTERGENIC		
SNP_65577B_56157	scaffold1493	NW_004516686.1	56157	TT	CC	CC	INTERGENIC		
SNP_65578B_56162	scaffold1493	NW_004516686.1	56162	TT	CC	CC	INTERGENIC		
SNP_65579B_56172	scaffold1493	NW_004516686.1	56172	GG	TT	TT	INTERGENIC		
SNP_65580B_56181	scaffold1493	NW_004516686.1	56181	GG	AA	AA	INTERGENIC		
SNP_65581B_56419	scaffold1493	NW_004516686.1	56419	TT	CC	CC	INTERGENIC		
SNP_65582B_56420	scaffold1493	NW_004516686.1	56420	GG	AA	AA	INTERGENIC		
SNP_65583B_64522	scaffold1493	NW_004516686.1	64522	CC	TT	TT	INTERGENIC		
SNP_65585B_65521	scaffold1493	NW_004516686.1	65521	CC	AA	AA	INTERGENIC		
SNP_65586B_65594	scaffold1493	NW_004516686.1	65594	TT	CC	CC	INTERGENIC		
SNP_65587B_65676	scaffold1493	NW_004516686.1	65676	TT	AA	AA	INTERGENIC		
SNP_65588B_65697	scaffold1493	NW_004516686.1	65697	CC	TT	TT	INTERGENIC		
SNP_65589B_65699	scaffold1493	NW_004516686.1	65699	AA	CC	CC	INTERGENIC		
SNP_65590B_65786	scaffold1493	NW_004516686.1	65786	CC	TT	TT	INTERGENIC		
SNP_65591B_65917	scaffold1493	NW_004516686.1	65917	TT	CC	CC	INTERGENIC		
SNP_65592B_67212	scaffold1493	NW_004516686.1	67212	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_65593B_67213	scaffold1493	NW_004516686.1	67213	GG	AA	AA	INTERGENIC		
SNP_65594B_85017	scaffold1493	NW_004516686.1	85017	TT	CC	CC	INTERGENIC		
SNP_65595B_85049	scaffold1493	NW_004516686.1	85049	TT	CC	CC	INTERGENIC		
SNP_65596B_85114	scaffold1493	NW_004516686.1	85114	GG	AA	AA	INTERGENIC		
SNP_65597B_85126	scaffold1493	NW_004516686.1	85126	TT	CC	CC	INTERGENIC		
SNP_65598B_85145	scaffold1493	NW_004516686.1	85145	AA	GG	GG	INTERGENIC		
SNP_65599B_85373	scaffold1493	NW_004516686.1	85373	TT	CC	CC	INTERGENIC		
SNP_65600B_85401	scaffold1493	NW_004516686.1	85401	GG	AA	AA	INTERGENIC		
SNP_65601B_85451	scaffold1493	NW_004516686.1	85451	CC	TT	TT	INTERGENIC		
SNP_65602B_89579	scaffold1493	NW_004516686.1	89579	AA	CC	CC	INTERGENIC		
SNP_65603B_21393	scaffold1496	NW_004516689.1	21393	AA	GG	GG	INTERGENIC		
SNP_65604B_21432	scaffold1496	NW_004516689.1	21432	TT	AA	AA	INTERGENIC		
SNP_65605B_21476	scaffold1496	NW_004516689.1	21476	TT	AA	AA	INTERGENIC		
SNP_65607B_29295	scaffold1496	NW_004516689.1	29295	TT	CC	CC	INTERGENIC		
SNP_65608B_53996	scaffold1496	NW_004516689.1	53996	GG	CC	CC	INTERGENIC		
SNP_65609B_81345	scaffold1496	NW_004516689.1	81345	CC	TT	TT	INTERGENIC		
SNP_65610B_81357	scaffold1496	NW_004516689.1	81357	TT	GG	GG	INTERGENIC		
SNP_65611B_123085	scaffold1496	NW_004516689.1	123085	AA	CC	CC	INTERGENIC		
SNP_65612B_123117	scaffold1496	NW_004516689.1	123117	CC	TT	TT	INTERGENIC		
SNP_65613B_123309	scaffold1496	NW_004516689.1	123309	CC	TT	TT	INTERGENIC		
SNP_65614B_123396	scaffold1496	NW_004516689.1	123396	CC	TT	TT	INTERGENIC		
SNP_65615B_123446	scaffold1496	NW_004516689.1	123446	AA	GG	GG	INTERGENIC		
SNP_65616B_139202	scaffold1496	NW_004516689.1	139202	TT	CC	CC	INTERGENIC		
SNP_65617B_147530	scaffold1496	NW_004516689.1	147530	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_65618B_147592	scaffold1496	NW_004516689.1	147592	TT	CC	CC	INTERGENIC		
SNP_65620B_189300	scaffold1496	NW_004516689.1	189300	TT	CC	CC	INTERGENIC		
SNP_65621B_202769	scaffold1496	NW_004516689.1	202769	AA	GG	GG	INTERGENIC		
SNP_65623B_205718	scaffold1496	NW_004516689.1	205718	CC	TT	TT	INTERGENIC		
SNP_65624B_206445	scaffold1496	NW_004516689.1	206445	GG	AA	AA	INTERGENIC		
SNP_65625B_206453	scaffold1496	NW_004516689.1	206453	AA	GG	GG	INTERGENIC		
SNP_65627B_213400	scaffold1496	NW_004516689.1	213400	CC	AA	AA	INTERGENIC		
SNP_65628B_215617	scaffold1496	NW_004516689.1	215617	GG	AA	AA	INTERGENIC		
SNP_65629B_231886	scaffold1496	NW_004516689.1	231886	CC	AA	AA	INTERGENIC		
SNP_65632B_237716	scaffold1496	NW_004516689.1	237716	GG	AA	AA	DRR	101498839	probable LRR receptor-like serine/threonine-protein kinase At1g56140
SNP_65633B_238797	scaffold1496	NW_004516689.1	238797	CC	TT	TT	INTERGENIC		
SNP_65634B_238913	scaffold1496	NW_004516689.1	238913	CC	TT	TT	NON_SYNONYMOUS_CODING	101498839	probable LRR receptor-like serine/threonine-protein kinase At1g56140
SNP_65635B_246576	scaffold1496	NW_004516689.1	246576	GG	AA	AA	INTRON	101498839	probable LRR receptor-like serine/threonine-protein kinase At1g56140
SNP_65636B_246898	scaffold1496	NW_004516689.1	246898	CC	AA	AA	INTRON	101498839	probable LRR receptor-like serine/threonine-protein kinase At1g56140
SNP_65637B_247630	scaffold1496	NW_004516689.1	247630	GG	AA	AA	INTRON	101498839	probable LRR receptor-like serine/threonine-protein kinase At1g56140
SNP_65638B_252720	scaffold1496	NW_004516689.1	252720	CC	AA	AA	INTRON	101498839	probable LRR receptor-like serine/threonine-protein kinase At1g56140
SNP_65639B_269540	scaffold1496	NW_004516689.1	269540	CC	GG	GG	NON_SYNONYMOUS_CODING	101498839	probable LRR receptor-like serine/threonine-protein kinase At1g56140
SNP_65640B_269957	scaffold1496	NW_004516689.1	269957	GG	AA	AA	INTRON	101498839	probable LRR receptor-like serine/threonine-protein kinase At1g56140
SNP_65641B_275732	scaffold1496	NW_004516689.1	275732	TT	CC	CC	INTERGENIC		
SNP_65642B_278252	scaffold1496	NW_004516689.1	278252	TT	CC	CC	INTERGENIC		
SNP_65643B_280558	scaffold1496	NW_004516689.1	280558	CC	TT	TT	INTERGENIC		
SNP_65644B_285645	scaffold1496	NW_004516689.1	285645	GG	AA	AA	INTERGENIC		
SNP_65645B_286202	scaffold1496	NW_004516689.1	286202	GG	AA	AA	INTERGENIC		
SNP_65646B_288407	scaffold1496	NW_004516689.1	288407	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_65647B_290711	scaffold1496	NW_004516689.1	290711	TT	AA	AA	INTERGENIC		
SNP_65648B_295934	scaffold1496	NW_004516689.1	295934	TT	CC	CC	INTERGENIC		
SNP_65649B_306831	scaffold1496	NW_004516689.1	306831	GG	AA	AA	INTERGENIC		
SNP_65650B_4127	scaffold1497	NW_004516690.1	4127	CC	TT	TT	INTERGENIC		
SNP_65651B_4152	scaffold1497	NW_004516690.1	4152	AA	TT	TT	INTERGENIC		
SNP_65652B_4231	scaffold1497	NW_004516690.1	4231	TT	CC	CC	INTERGENIC		
SNP_65653B_4247	scaffold1497	NW_004516690.1	4247	TT	AA	AA	INTERGENIC		
SNP_65654B_4534	scaffold1497	NW_004516690.1	4534	CC	TT	TT	INTERGENIC		
SNP_65655B_2316	scaffold1498	NW_004516691.1	2316	GG	AA	AA	DRR	101500520	multidrug and toxin extrusion protein 1-like
SNP_65656B_440	scaffold1499	NW_004516692.1	440	TT	CC	CC	INTERGENIC		
SNP_65657B_592	scaffold1499	NW_004516692.1	592	CC	AA	AA	INTERGENIC		
SNP_65659B_998	scaffold1499	NW_004516692.1	998	TT	AA	AA	INTERGENIC		
SNP_65660B_1244	scaffold1499	NW_004516692.1	1244	TT	CC	CC	INTERGENIC		
SNP_65661B_4488	scaffold1499	NW_004516692.1	4488	AA	GG	GG	INTRON	101501167	putative uncharacterized protein DDB_G0290521
SNP_65663B_11544	scaffold1499	NW_004516692.1	11544	CC	TT	TT	INTERGENIC		
SNP_65664B_11639	scaffold1499	NW_004516692.1	11639	TT	CC	CC	INTERGENIC		
SNP_65665B_11641	scaffold1499	NW_004516692.1	11641	TT	AA	AA	INTERGENIC		
SNP_65666B_11647	scaffold1499	NW_004516692.1	11647	TT	CC	CC	INTERGENIC		
SNP_65667B_11852	scaffold1499	NW_004516692.1	11852	GG	AA	AA	INTERGENIC		
SNP_65668B_12147	scaffold1499	NW_004516692.1	12147	GG	TT	TT	INTERGENIC		
SNP_65669B_12172	scaffold1499	NW_004516692.1	12172	CC	TT	TT	INTERGENIC		
SNP_65670B_19438	scaffold1499	NW_004516692.1	19438	TT	GG	GG	INTERGENIC		
SNP_65672B_25081	scaffold1499	NW_004516692.1	25081	CC	TT	TT	URR	101501484	uncharacterized LOC101501484
SNP_65673B_29708	scaffold1499	NW_004516692.1	29708	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_65675B_29718	scaffold1499	NW_004516692.1	29718	CC	TT	TT	INTERGENIC		
SNP_65676B_34115	scaffold1499	NW_004516692.1	34115	GG	AA	AA	INTERGENIC		
SNP_65677B_34245	scaffold1499	NW_004516692.1	34245	CC	AA	AA	INTERGENIC		
SNP_65678B_34326	scaffold1499	NW_004516692.1	34326	AA	CC	CC	INTERGENIC		
SNP_65679B_34350	scaffold1499	NW_004516692.1	34350	AA	TT	TT	INTERGENIC		
SNP_65680B_34357	scaffold1499	NW_004516692.1	34357	GG	TT	TT	INTERGENIC		
SNP_65681B_34419	scaffold1499	NW_004516692.1	34419	GG	AA	AA	INTERGENIC		
SNP_65682B_34433	scaffold1499	NW_004516692.1	34433	TT	AA	AA	INTERGENIC		
SNP_65683B_34447	scaffold1499	NW_004516692.1	34447	AA	GG	GG	INTERGENIC		
SNP_65684B_34486	scaffold1499	NW_004516692.1	34486	GG	TT	TT	INTERGENIC		
SNP_65685B_34492	scaffold1499	NW_004516692.1	34492	CC	TT	TT	INTERGENIC		
SNP_65686B_34568	scaffold1499	NW_004516692.1	34568	AA	TT	TT	INTERGENIC		
SNP_65687B_34629	scaffold1499	NW_004516692.1	34629	GG	CC	CC	INTERGENIC		
SNP_65688B_34648	scaffold1499	NW_004516692.1	34648	CC	AA	AA	INTERGENIC		
SNP_65689B_34664	scaffold1499	NW_004516692.1	34664	TT	GG	GG	INTERGENIC		
SNP_65690B_40426	scaffold1499	NW_004516692.1	40426	CC	TT	TT	INTERGENIC		
SNP_65691B_46071	scaffold1499	NW_004516692.1	46071	AA	GG	GG	INTERGENIC		
SNP_65692B_46207	scaffold1499	NW_004516692.1	46207	TT	GG	GG	INTERGENIC		
SNP_65693B_46233	scaffold1499	NW_004516692.1	46233	GG	AA	AA	INTERGENIC		
SNP_65694B_46241	scaffold1499	NW_004516692.1	46241	CC	AA	AA	INTERGENIC		
SNP_65695B_46315	scaffold1499	NW_004516692.1	46315	GG	TT	TT	INTERGENIC		
SNP_65696B_46320	scaffold1499	NW_004516692.1	46320	AA	CC	CC	INTERGENIC		
SNP_65697B_54367	scaffold1499	NW_004516692.1	54367	AA	CC	CC	INTERGENIC		
SNP_65698B_54382	scaffold1499	NW_004516692.1	54382	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_65699B_54392	scaffold1499	NW_004516692.1	54392	CC	TT	TT	INTERGENIC		
SNP_65700B_56354	scaffold1499	NW_004516692.1	56354	AA	CC	CC	INTERGENIC		
SNP_65701B_56817	scaffold1499	NW_004516692.1	56817	CC	TT	TT	INTERGENIC		
SNP_65703B_71114	scaffold1499	NW_004516692.1	71114	GG	AA	AA	INTERGENIC		
SNP_65705B_115435	scaffold1499	NW_004516692.1	115435	TT	CC	CC	INTERGENIC		
SNP_65706B_116532	scaffold1499	NW_004516692.1	116532	TT	CC	CC	INTERGENIC		
SNP_65707B_139155	scaffold1499	NW_004516692.1	139155	TT	CC	CC	NON_SYNONYMOUS_CODING	101502445	Unknown function
SNP_65708B_139261	scaffold1499	NW_004516692.1	139261	GG	AA	AA	SYNONYMOUS_CODING	101502445	Unknown function
SNP_65709B_214	scaffold1502	NW_004516693.1	214	TT	CC	CC	INTERGENIC		
SNP_65711B_1180	scaffold1502	NW_004516693.1	1180	CC	GG	GG	INTERGENIC		
SNP_65712B_1193	scaffold1502	NW_004516693.1	1193	GG	TT	TT	INTERGENIC		
SNP_65713B_1339	scaffold1502	NW_004516693.1	1339	CC	TT	TT	INTERGENIC		
SNP_65714B_1411	scaffold1502	NW_004516693.1	1411	CC	TT	TT	INTERGENIC		
SNP_65715B_1432	scaffold1502	NW_004516693.1	1432	CC	AA	AA	INTERGENIC		
SNP_65716B_10191	scaffold1504	NW_004516694.1	10191	AA	GG	GG	INTERGENIC		
SNP_65717B_10413	scaffold1504	NW_004516694.1	10413	TT	CC	CC	INTERGENIC		
SNP_65718B_114272	scaffold1504	NW_004516694.1	114272	CC	TT	TT	INTERGENIC		
SNP_65719B_135066	scaffold1504	NW_004516694.1	135066	AA	TT	TT	INTERGENIC		
SNP_65720B_140928	scaffold1504	NW_004516694.1	140928	CC	GG	GG	INTERGENIC		
SNP_65721B_141069	scaffold1504	NW_004516694.1	141069	AA	GG	GG	INTERGENIC		
SNP_65722B_161224	scaffold1504	NW_004516694.1	161224	AA	GG	GG	INTERGENIC		
SNP_65723B_161263	scaffold1504	NW_004516694.1	161263	AA	TT	TT	INTERGENIC		
SNP_65724B_161347	scaffold1504	NW_004516694.1	161347	AA	GG	GG	INTERGENIC		
SNP_65725B_161685	scaffold1504	NW_004516694.1	161685	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_65726B_173983	scaffold1504	NW_004516694.1	173983	AA	GG	GG	INTERGENIC		
SNP_65727B_174106	scaffold1504	NW_004516694.1	174106	GG	AA	AA	INTERGENIC		
SNP_65728B_174467	scaffold1504	NW_004516694.1	174467	AA	GG	GG	INTERGENIC		
SNP_65729B_174493	scaffold1504	NW_004516694.1	174493	GG	TT	TT	INTERGENIC		
SNP_65730B_182247	scaffold1504	NW_004516694.1	182247	GG	AA	AA	INTERGENIC		
SNP_65731B_182267	scaffold1504	NW_004516694.1	182267	AA	CC	CC	INTERGENIC		
SNP_65732B_182283	scaffold1504	NW_004516694.1	182283	CC	TT	TT	INTERGENIC		
SNP_65733B_182375	scaffold1504	NW_004516694.1	182375	CC	AA	AA	INTERGENIC		
SNP_65734B_182420	scaffold1504	NW_004516694.1	182420	CC	GG	GG	INTERGENIC		
SNP_65735B_182567	scaffold1504	NW_004516694.1	182567	AA	GG	GG	INTERGENIC		
SNP_65736B_182672	scaffold1504	NW_004516694.1	182672	TT	AA	AA	INTERGENIC		
SNP_65737B_182685	scaffold1504	NW_004516694.1	182685	AA	TT	TT	INTERGENIC		
SNP_65738B_182754	scaffold1504	NW_004516694.1	182754	TT	AA	AA	INTERGENIC		
SNP_65739B_194941	scaffold1504	NW_004516694.1	194941	AA	GG	GG	INTERGENIC		
SNP_65740B_194993	scaffold1504	NW_004516694.1	194993	AA	GG	GG	INTERGENIC		
SNP_65741B_195005	scaffold1504	NW_004516694.1	195005	TT	CC	CC	INTERGENIC		
SNP_65742B_195014	scaffold1504	NW_004516694.1	195014	AA	GG	GG	INTERGENIC		
SNP_65743B_195029	scaffold1504	NW_004516694.1	195029	CC	TT	TT	INTERGENIC		
SNP_65744B_195044	scaffold1504	NW_004516694.1	195044	AA	GG	GG	INTERGENIC		
SNP_65745B_240740	scaffold1504	NW_004516694.1	240740	TT	GG	GG	INTERGENIC		
SNP_65746B_240757	scaffold1504	NW_004516694.1	240757	GG	AA	AA	INTERGENIC		
SNP_65747B_242878	scaffold1504	NW_004516694.1	242878	AA	GG	GG	INTERGENIC		
SNP_65748B_242890	scaffold1504	NW_004516694.1	242890	AA	GG	GG	INTERGENIC		
SNP_65749B_242893	scaffold1504	NW_004516694.1	242893	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_65750B_242922	scaffold1504	NW_004516694.1	242922	GG	CC	CC	INTERGENIC		
SNP_65751B_242944	scaffold1504	NW_004516694.1	242944	TT	CC	CC	INTERGENIC		
SNP_65752B_242993	scaffold1504	NW_004516694.1	242993	CC	AA	AA	INTERGENIC		
SNP_65753B_318576	scaffold1504	NW_004516694.1	318576	CC	AA	AA	INTERGENIC		
SNP_65754B_318595	scaffold1504	NW_004516694.1	318595	TT	CC	CC	INTERGENIC		
SNP_65755B_318844	scaffold1504	NW_004516694.1	318844	TT	AA	AA	INTERGENIC		
SNP_65756B_318875	scaffold1504	NW_004516694.1	318875	AA	GG	GG	INTERGENIC		
SNP_65757B_328714	scaffold1504	NW_004516694.1	328714	GG	AA	AA	INTERGENIC		
SNP_65758B_328717	scaffold1504	NW_004516694.1	328717	GG	AA	AA	INTERGENIC		
SNP_65759B_342876	scaffold1504	NW_004516694.1	342876	CC	GG	GG	INTERGENIC		
SNP_65760B_389009	scaffold1504	NW_004516694.1	389009	CC	TT	TT	INTERGENIC		
SNP_65761B_396057	scaffold1504	NW_004516694.1	396057	TT	CC	CC	INTERGENIC		
SNP_65762B_398300	scaffold1504	NW_004516694.1	398300	AA	GG	GG	INTERGENIC		
SNP_65763B_398802	scaffold1504	NW_004516694.1	398802	AA	GG	GG	INTERGENIC		
SNP_65764B_14013	scaffold1506	NW_004516696.1	14013	AA	TT	TT	INTERGENIC		
SNP_65765B_14021	scaffold1506	NW_004516696.1	14021	TT	CC	CC	INTERGENIC		
SNP_65766B_14330	scaffold1506	NW_004516696.1	14330	AA	TT	TT	INTERGENIC		
SNP_65767B_103299	scaffold1506	NW_004516696.1	103299	AA	GG	GG	INTERGENIC		
SNP_65768B_103725	scaffold1506	NW_004516696.1	103725	AA	CC	CC	INTERGENIC		
SNP_65769B_103726	scaffold1506	NW_004516696.1	103726	TT	AA	AA	INTERGENIC		
SNP_65770B_103730	scaffold1506	NW_004516696.1	103730	AA	CC	CC	INTERGENIC		
SNP_65771B_103742	scaffold1506	NW_004516696.1	103742	TT	CC	CC	INTERGENIC		
SNP_65773B_30559	scaffold1507	NW_004516697.1	30559	TT	GG	GG	INTERGENIC		
SNP_65774B_6184	scaffold1508	NW_004516698.1	6184	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_65775B_6194	scaffold1508	NW_004516698.1	6194	AA	GG	GG	INTERGENIC		
SNP_65776B_47199	scaffold1508	NW_004516698.1	47199	AA	CC	CC	INTERGENIC		
SNP_65777B_115931	scaffold1508	NW_004516698.1	115931	GG	AA	AA	INTERGENIC		
SNP_65778B_2660	scaffold1511	NW_004516700.1	2660	AA	TT	TT	INTERGENIC		
SNP_65779B_25076	scaffold1511	NW_004516700.1	25076	AA	GG	GG	INTERGENIC		
SNP_65781B_27234	scaffold1511	NW_004516700.1	27234	TT	GG	GG	INTERGENIC		
SNP_65782B_30730	scaffold1511	NW_004516700.1	30730	TT	AA	AA	INTERGENIC		
SNP_65783B_34272	scaffold1511	NW_004516700.1	34272	TT	GG	GG	INTERGENIC		
SNP_65784B_34289	scaffold1511	NW_004516700.1	34289	CC	GG	GG	INTERGENIC		
SNP_65785B_44432	scaffold1511	NW_004516700.1	44432	GG	AA	AA	INTERGENIC		
SNP_65786B_47846	scaffold1511	NW_004516700.1	47846	AA	CC	CC	INTERGENIC		
SNP_65787B_47932	scaffold1511	NW_004516700.1	47932	CC	GG	GG	INTERGENIC		
SNP_65788B_59122	scaffold1511	NW_004516700.1	59122	AA	GG	GG	INTERGENIC		
SNP_65790B_81412	scaffold1511	NW_004516700.1	81412	TT	CC	CC	INTERGENIC		
SNP_65791B_82734	scaffold1511	NW_004516700.1	82734	TT	CC	CC	INTERGENIC		
SNP_65792B_82742	scaffold1511	NW_004516700.1	82742	TT	CC	CC	INTERGENIC		
SNP_65793B_82803	scaffold1511	NW_004516700.1	82803	AA	CC	CC	INTERGENIC		
SNP_65794B_83141	scaffold1511	NW_004516700.1	83141	AA	GG	GG	INTERGENIC		
SNP_65795B_83615	scaffold1511	NW_004516700.1	83615	TT	AA	AA	INTERGENIC		
SNP_65796B_91235	scaffold1511	NW_004516700.1	91235	AA	CC	CC	INTERGENIC		
SNP_65798B_98053	scaffold1511	NW_004516700.1	98053	AA	GG	GG	INTERGENIC		
SNP_65799B_105848	scaffold1511	NW_004516700.1	105848	GG	CC	CC	INTERGENIC		
SNP_65800B_107259	scaffold1511	NW_004516700.1	107259	CC	TT	TT	INTERGENIC		
SNP_65802B_111767	scaffold1511	NW_004516700.1	111767	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_65803B_111806	scaffold1511	NW_004516700.1	111806	TT	CC	CC	INTERGENIC		
SNP_65804B_111846	scaffold1511	NW_004516700.1	111846	TT	CC	CC	INTERGENIC		
SNP_65805B_116381	scaffold1511	NW_004516700.1	116381	TT	GG	GG	INTERGENIC		
SNP_65806B_122175	scaffold1511	NW_004516700.1	122175	TT	CC	CC	INTERGENIC		
SNP_65807B_122575	scaffold1511	NW_004516700.1	122575	TT	CC	CC	INTERGENIC		
SNP_65808B_122843	scaffold1511	NW_004516700.1	122843	CC	TT	TT	INTERGENIC		
SNP_65809B_124385	scaffold1511	NW_004516700.1	124385	GG	TT	TT	INTERGENIC		
SNP_65811B_125254	scaffold1511	NW_004516700.1	125254	TT	AA	AA	INTERGENIC		
SNP_65812B_129068	scaffold1511	NW_004516700.1	129068	GG	AA	AA	INTERGENIC		
SNP_65813B_133165	scaffold1511	NW_004516700.1	133165	AA	GG	GG	INTERGENIC		
SNP_65814B_137060	scaffold1511	NW_004516700.1	137060	CC	TT	TT	INTERGENIC		
SNP_65815B_152522	scaffold1511	NW_004516700.1	152522	GG	AA	AA	INTERGENIC		
SNP_65816B_154867	scaffold1511	NW_004516700.1	154867	AA	GG	GG	INTERGENIC		
SNP_65817B_155545	scaffold1511	NW_004516700.1	155545	TT	CC	CC	INTERGENIC		
SNP_65818B_155547	scaffold1511	NW_004516700.1	155547	AA	CC	CC	INTERGENIC		
SNP_65819B_164795	scaffold1511	NW_004516700.1	164795	AA	CC	CC	INTERGENIC		
SNP_65820B_174417	scaffold1511	NW_004516700.1	174417	GG	CC	CC	INTERGENIC		
SNP_65821B_174581	scaffold1511	NW_004516700.1	174581	TT	CC	CC	INTERGENIC		
SNP_65822B_174631	scaffold1511	NW_004516700.1	174631	AA	GG	GG	INTERGENIC		
SNP_65823B_174643	scaffold1511	NW_004516700.1	174643	CC	GG	GG	INTERGENIC		
SNP_65824B_174676	scaffold1511	NW_004516700.1	174676	GG	TT	TT	INTERGENIC		
SNP_65825B_174693	scaffold1511	NW_004516700.1	174693	TT	CC	CC	INTERGENIC		
SNP_65826B_174811	scaffold1511	NW_004516700.1	174811	TT	CC	CC	INTERGENIC		
SNP_65827B_180354	scaffold1511	NW_004516700.1	180354	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_65828B_181038	scaffold1511	NW_004516700.1	181038	AA	GG	GG	INTERGENIC		
SNP_65829B_181755	scaffold1511	NW_004516700.1	181755	GG	AA	AA	INTERGENIC		
SNP_65830B_191339	scaffold1511	NW_004516700.1	191339	TT	CC	CC	INTERGENIC		
SNP_65831B_8544	scaffold1512	NW_004516701.1	8544	CC	AA	AA	INTERGENIC		
SNP_65832B_9174	scaffold1512	NW_004516701.1	9174	AA	GG	GG	INTERGENIC		
SNP_65833B_9115	scaffold1515	NW_004516704.1	9115	TT	CC	CC	INTERGENIC		
SNP_65834B_9254	scaffold1515	NW_004516704.1	9254	TT	AA	AA	INTERGENIC		
SNP_65835B_9263	scaffold1515	NW_004516704.1	9263	TT	AA	AA	INTERGENIC		
SNP_65836B_9358	scaffold1515	NW_004516704.1	9358	GG	AA	AA	INTERGENIC		
SNP_65837B_9385	scaffold1515	NW_004516704.1	9385	AA	CC	CC	INTERGENIC		
SNP_65838B_9387	scaffold1515	NW_004516704.1	9387	GG	TT	TT	INTERGENIC		
SNP_65839B_9455	scaffold1515	NW_004516704.1	9455	AA	CC	CC	INTERGENIC		
SNP_65840B_9503	scaffold1515	NW_004516704.1	9503	AA	TT	TT	INTERGENIC		
SNP_65841B_9548	scaffold1515	NW_004516704.1	9548	TT	CC	CC	INTERGENIC		
SNP_65842B_9675	scaffold1515	NW_004516704.1	9675	AA	TT	TT	INTERGENIC		
SNP_65843B_9791	scaffold1515	NW_004516704.1	9791	CC	TT	TT	INTERGENIC		
SNP_65844B_9885	scaffold1515	NW_004516704.1	9885	AA	GG	GG	INTERGENIC		
SNP_65845B_9909	scaffold1515	NW_004516704.1	9909	AA	GG	GG	INTERGENIC		
SNP_65846B_10090	scaffold1515	NW_004516704.1	10090	CC	TT	TT	INTERGENIC		
SNP_65847B_15072	scaffold1515	NW_004516704.1	15072	TT	AA	AA	INTERGENIC		
SNP_65848B_15278	scaffold1515	NW_004516704.1	15278	CC	AA	AA	INTERGENIC		
SNP_65849B_15280	scaffold1515	NW_004516704.1	15280	GG	AA	AA	INTERGENIC		
SNP_65850B_15383	scaffold1515	NW_004516704.1	15383	CC	TT	TT	INTERGENIC		
SNP_65851B_15413	scaffold1515	NW_004516704.1	15413	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_65852B_15424	scaffold1515	NW_004516704.1	15424	TT	CC	CC	INTERGENIC		
SNP_65853B_15460	scaffold1515	NW_004516704.1	15460	CC	GG	GG	INTERGENIC		
SNP_65854B_15506	scaffold1515	NW_004516704.1	15506	TT	AA	AA	INTERGENIC		
SNP_65856B_15699	scaffold1515	NW_004516704.1	15699	AA	CC	CC	INTERGENIC		
SNP_65857B_15775	scaffold1515	NW_004516704.1	15775	TT	CC	CC	INTERGENIC		
SNP_65858B_17493	scaffold1515	NW_004516704.1	17493	TT	CC	CC	INTERGENIC		
SNP_65859B_17517	scaffold1515	NW_004516704.1	17517	TT	CC	CC	INTERGENIC		
SNP_65860B_17835	scaffold1515	NW_004516704.1	17835	GG	AA	AA	INTERGENIC		
SNP_65861B_18052	scaffold1515	NW_004516704.1	18052	TT	CC	CC	INTERGENIC		
SNP_65862B_30530	scaffold1515	NW_004516704.1	30530	TT	CC	CC	INTERGENIC		
SNP_65863B_531	scaffold1516	NW_004516705.1	531	GG	TT	TT	INTERGENIC		
SNP_65864B_554	scaffold1516	NW_004516705.1	554	TT	GG	GG	INTERGENIC		
SNP_65865B_574	scaffold1516	NW_004516705.1	574	GG	CC	CC	INTERGENIC		
SNP_65866B_825	scaffold1516	NW_004516705.1	825	GG	TT	TT	INTERGENIC		
SNP_65867B_2725	scaffold1516	NW_004516705.1	2725	GG	TT	TT	INTERGENIC		
SNP_65868B_3038	scaffold1516	NW_004516705.1	3038	GG	TT	TT	INTERGENIC		
SNP_65869B_3058	scaffold1516	NW_004516705.1	3058	AA	CC	CC	INTERGENIC		
SNP_65870B_3059	scaffold1516	NW_004516705.1	3059	TT	AA	AA	INTERGENIC		
SNP_65871B_8044	scaffold1516	NW_004516705.1	8044	CC	TT	TT	INTERGENIC		
SNP_65872B_8143	scaffold1516	NW_004516705.1	8143	TT	CC	CC	INTERGENIC		
SNP_65873B_8320	scaffold1516	NW_004516705.1	8320	AA	CC	CC	INTERGENIC		
SNP_65874B_8430	scaffold1516	NW_004516705.1	8430	GG	AA	AA	INTERGENIC		
SNP_65875B_8441	scaffold1516	NW_004516705.1	8441	CC	GG	GG	INTERGENIC		
SNP_65876B_9101	scaffold1516	NW_004516705.1	9101	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_65877B_9111	scaffold1516	NW_004516705.1	9111	TT	CC	CC	INTERGENIC		
SNP_65878B_425	scaffold1521	NW_004516708.1	425	TT	GG	GG	INTERGENIC		
SNP_65879B_559	scaffold1521	NW_004516708.1	559	GG	AA	AA	INTERGENIC		
SNP_65880B_593	scaffold1521	NW_004516708.1	593	AA	GG	GG	INTERGENIC		
SNP_65881B_599	scaffold1521	NW_004516708.1	599	AA	GG	GG	INTERGENIC		
SNP_65882B_632	scaffold1521	NW_004516708.1	632	AA	CC	CC	INTERGENIC		
SNP_65883B_657	scaffold1521	NW_004516708.1	657	AA	TT	TT	INTERGENIC		
SNP_65884B_705	scaffold1521	NW_004516708.1	705	CC	TT	TT	INTERGENIC		
SNP_65885B_725	scaffold1521	NW_004516708.1	725	CC	TT	TT	INTERGENIC		
SNP_65886B_5730	scaffold1521	NW_004516708.1	5730	AA	TT	TT	INTERGENIC		
SNP_65887B_5913	scaffold1521	NW_004516708.1	5913	CC	TT	TT	INTERGENIC		
SNP_65888B_7659	scaffold1521	NW_004516708.1	7659	TT	GG	GG	INTERGENIC		
SNP_65889B_8220	scaffold1521	NW_004516708.1	8220	AA	CC	CC	DRR	101512187	L-type lectin-domain containing receptor kinase IX.1-like
SNP_65890B_8339	scaffold1521	NW_004516708.1	8339	AA	CC	CC	DRR	101512187	L-type lectin-domain containing receptor kinase IX.1-like
SNP_65891B_8365	scaffold1521	NW_004516708.1	8365	AA	TT	TT	DRR	101512187	L-type lectin-domain containing receptor kinase IX.1-like
SNP_65892B_8377	scaffold1521	NW_004516708.1	8377	AA	TT	TT	DRR	101512187	L-type lectin-domain containing receptor kinase IX.1-like
SNP_65893B_8383	scaffold1521	NW_004516708.1	8383	TT	GG	GG	DRR	101512187	L-type lectin-domain containing receptor kinase IX.1-like
SNP_65894B_10345	scaffold1521	NW_004516708.1	10345	TT	AA	AA	URR	101512187	L-type lectin-domain containing receptor kinase IX.1-like
SNP_65895B_10386	scaffold1521	NW_004516708.1	10386	GG	AA	AA	URR	101512187	L-type lectin-domain containing receptor kinase IX.1-like
SNP_65896B_10400	scaffold1521	NW_004516708.1	10400	CC	TT	TT	URR	101512187	L-type lectin-domain containing receptor kinase IX.1-like
SNP_65897B_10747	scaffold1521	NW_004516708.1	10747	GG	TT	TT	URR	101512187	L-type lectin-domain containing receptor kinase IX.1-like
SNP_65898B_10757	scaffold1521	NW_004516708.1	10757	TT	CC	CC	URR	101512187	L-type lectin-domain containing receptor kinase IX.1-like
SNP_65900B_11999	scaffold1521	NW_004516708.1	11999	CC	TT	TT	URR	101512187	L-type lectin-domain containing receptor kinase IX.1-like
SNP_65902B_15273	scaffold1521	NW_004516708.1	15273	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_65903B_15300	scaffold1521	NW_004516708.1	15300	TT	AA	AA	INTERGENIC		
SNP_65904B_15309	scaffold1521	NW_004516708.1	15309	TT	GG	GG	INTERGENIC		
SNP_65905B_15346	scaffold1521	NW_004516708.1	15346	TT	AA	AA	INTERGENIC		
SNP_65906B_15440	scaffold1521	NW_004516708.1	15440	AA	TT	TT	INTERGENIC		
SNP_65907B_15463	scaffold1521	NW_004516708.1	15463	AA	TT	TT	INTERGENIC		
SNP_65908B_15470	scaffold1521	NW_004516708.1	15470	AA	CC	CC	INTERGENIC		
SNP_65909B_15481	scaffold1521	NW_004516708.1	15481	TT	AA	AA	INTERGENIC		
SNP_65910B_15531	scaffold1521	NW_004516708.1	15531	CC	AA	AA	INTERGENIC		
SNP_65911B_15560	scaffold1521	NW_004516708.1	15560	TT	CC	CC	INTERGENIC		
SNP_65914B_18009	scaffold1521	NW_004516708.1	18009	TT	AA	AA	DRR	101512512	L-type lectin-domain containing receptor kinase IX.1-like
SNP_65915B_18012	scaffold1521	NW_004516708.1	18012	AA	GG	GG	DRR	101512512	L-type lectin-domain containing receptor kinase IX.1-like
SNP_65916B_19363	scaffold1521	NW_004516708.1	19363	CC	TT	TT	SYNONYMOUS_CODING	101512512	L-type lectin-domain containing receptor kinase IX.1-like
SNP_65917B_19398	scaffold1521	NW_004516708.1	19398	TT	GG	GG	NON_SYNONYMOUS_CODING	101512512	L-type lectin-domain containing receptor kinase IX.1-like
SNP_65919B_19506	scaffold1521	NW_004516708.1	19506	GG	AA	AA	NON_SYNONYMOUS_CODING	101512512	L-type lectin-domain containing receptor kinase IX.1-like
SNP_65920B_19605	scaffold1521	NW_004516708.1	19605	CC	AA	AA	NON_SYNONYMOUS_CODING	101512512	L-type lectin-domain containing receptor kinase IX.1-like
SNP_65921B_19653	scaffold1521	NW_004516708.1	19653	CC	AA	AA	NON_SYNONYMOUS_CODING	101512512	L-type lectin-domain containing receptor kinase IX.1-like
SNP_65922B_19670	scaffold1521	NW_004516708.1	19670	TT	AA	AA	URR	101512512	L-type lectin-domain containing receptor kinase IX.1-like
SNP_65923B_19764	scaffold1521	NW_004516708.1	19764	CC	TT	TT	URR	101512512	L-type lectin-domain containing receptor kinase IX.1-like
SNP_65925B_21505	scaffold1521	NW_004516708.1	21505	CC	TT	TT	URR	101512512	L-type lectin-domain containing receptor kinase IX.1-like
SNP_65926B_21510	scaffold1521	NW_004516708.1	21510	CC	TT	TT	URR	101512512	L-type lectin-domain containing receptor kinase IX.1-like
SNP_65927B_21578	scaffold1521	NW_004516708.1	21578	TT	AA	AA	URR	101512512	L-type lectin-domain containing receptor kinase IX.1-like
SNP_65928B_21606	scaffold1521	NW_004516708.1	21606	AA	GG	GG	URR	101512512	L-type lectin-domain containing receptor kinase IX.1-like
SNP_65929B_23422	scaffold1521	NW_004516708.1	23422	GG	TT	TT	INTERGENIC		
SNP_65930B_23817	scaffold1521	NW_004516708.1	23817	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_65931B_25362	scaffold1521	NW_004516708.1	25362	TT	AA	AA	INTERGENIC		
SNP_65932B_25845	scaffold1521	NW_004516708.1	25845	CC	TT	TT	INTERGENIC		
SNP_65933B_25915	scaffold1521	NW_004516708.1	25915	AA	GG	GG	INTERGENIC		
SNP_65934B_26566	scaffold1521	NW_004516708.1	26566	AA	GG	GG	INTERGENIC		
SNP_65935B_26848	scaffold1521	NW_004516708.1	26848	TT	AA	AA	INTERGENIC		
SNP_65936B_1299	scaffold1523	NW_004516709.1	1299	TT	AA	AA	INTERGENIC		
SNP_65937B_9777	scaffold1523	NW_004516709.1	9777	GG	TT	TT	INTERGENIC		
SNP_65938B_9867	scaffold1523	NW_004516709.1	9867	GG	CC	CC	INTERGENIC		
SNP_65940B_10096	scaffold1530	NW_004516714.1	10096	CC	TT	TT	INTERGENIC		
SNP_65941B_10194	scaffold1530	NW_004516714.1	10194	TT	CC	CC	INTERGENIC		
SNP_65942B_10225	scaffold1530	NW_004516714.1	10225	CC	TT	TT	INTERGENIC		
SNP_65943B_10299	scaffold1530	NW_004516714.1	10299	GG	AA	AA	INTERGENIC		
SNP_65944B_10309	scaffold1530	NW_004516714.1	10309	CC	TT	TT	INTERGENIC		
SNP_65945B_10320	scaffold1530	NW_004516714.1	10320	GG	AA	AA	INTERGENIC		
SNP_65946B_10432	scaffold1530	NW_004516714.1	10432	TT	CC	CC	INTERGENIC		
SNP_65947B_10462	scaffold1530	NW_004516714.1	10462	TT	CC	CC	INTERGENIC		
SNP_65948B_10507	scaffold1530	NW_004516714.1	10507	TT	AA	AA	INTERGENIC		
SNP_65949B_13129	scaffold1530	NW_004516714.1	13129	GG	AA	AA	INTERGENIC		
SNP_65950B_13385	scaffold1530	NW_004516714.1	13385	AA	TT	TT	INTERGENIC		
SNP_65951B_13386	scaffold1530	NW_004516714.1	13386	GG	AA	AA	INTERGENIC		
SNP_65952B_13402	scaffold1530	NW_004516714.1	13402	GG	AA	AA	INTERGENIC		
SNP_65953B_13457	scaffold1530	NW_004516714.1	13457	GG	TT	TT	INTERGENIC		
SNP_65954B_13460	scaffold1530	NW_004516714.1	13460	TT	CC	CC	INTERGENIC		
SNP_65955B_13465	scaffold1530	NW_004516714.1	13465	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_65956B_13510	scaffold1530	NW_004516714.1	13510	TT	CC	CC	INTERGENIC		
SNP_65957B_13548	scaffold1530	NW_004516714.1	13548	GG	AA	AA	INTERGENIC		
SNP_65958B_13602	scaffold1530	NW_004516714.1	13602	CC	TT	TT	INTERGENIC		
SNP_65959B_13609	scaffold1530	NW_004516714.1	13609	TT	AA	AA	INTERGENIC		
SNP_65960B_13628	scaffold1530	NW_004516714.1	13628	TT	CC	CC	INTERGENIC		
SNP_65961B_13752	scaffold1530	NW_004516714.1	13752	TT	CC	CC	INTERGENIC		
SNP_65962B_13811	scaffold1530	NW_004516714.1	13811	GG	CC	CC	INTERGENIC		
SNP_65963B_13983	scaffold1530	NW_004516714.1	13983	GG	AA	AA	INTERGENIC		
SNP_65964B_14010	scaffold1530	NW_004516714.1	14010	TT	GG	GG	INTERGENIC		
SNP_65966B_14488	scaffold1530	NW_004516714.1	14488	GG	TT	TT	INTERGENIC		
SNP_65967B_14527	scaffold1530	NW_004516714.1	14527	AA	GG	GG	INTERGENIC		
SNP_65968B_14633	scaffold1530	NW_004516714.1	14633	CC	AA	AA	INTERGENIC		
SNP_65969B_14647	scaffold1530	NW_004516714.1	14647	TT	CC	CC	INTERGENIC		
SNP_65970B_14720	scaffold1530	NW_004516714.1	14720	TT	GG	GG	INTERGENIC		
SNP_65971B_14755	scaffold1530	NW_004516714.1	14755	TT	CC	CC	INTERGENIC		
SNP_65972B_14924	scaffold1530	NW_004516714.1	14924	AA	GG	GG	INTERGENIC		
SNP_65973B_14976	scaffold1530	NW_004516714.1	14976	AA	CC	CC	INTERGENIC		
SNP_65974B_15043	scaffold1530	NW_004516714.1	15043	TT	AA	AA	INTERGENIC		
SNP_65975B_15046	scaffold1530	NW_004516714.1	15046	GG	AA	AA	INTERGENIC		
SNP_65976B_15082	scaffold1530	NW_004516714.1	15082	TT	GG	GG	INTERGENIC		
SNP_65977B_15089	scaffold1530	NW_004516714.1	15089	CC	TT	TT	INTERGENIC		
SNP_65978B_15846	scaffold1530	NW_004516714.1	15846	AA	GG	GG	INTERGENIC		
SNP_65980B_16172	scaffold1530	NW_004516714.1	16172	GG	AA	AA	INTERGENIC		
SNP_65981B_16175	scaffold1530	NW_004516714.1	16175	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_65982B_16440	scaffold1530	NW_004516714.1	16440	GG	AA	AA	INTERGENIC		
SNP_65983B_16460	scaffold1530	NW_004516714.1	16460	CC	TT	TT	INTERGENIC		
SNP_65984B_16525	scaffold1530	NW_004516714.1	16525	GG	AA	AA	INTERGENIC		
SNP_65985B_16658	scaffold1530	NW_004516714.1	16658	GG	CC	CC	INTERGENIC		
SNP_65987B_16998	scaffold1530	NW_004516714.1	16998	CC	TT	TT	INTERGENIC		
SNP_65988B_17184	scaffold1530	NW_004516714.1	17184	AA	GG	GG	INTERGENIC		
SNP_65989B_17477	scaffold1530	NW_004516714.1	17477	GG	AA	AA	INTERGENIC		
SNP_65990B_17510	scaffold1530	NW_004516714.1	17510	CC	AA	AA	INTERGENIC		
SNP_65991B_17710	scaffold1530	NW_004516714.1	17710	TT	GG	GG	INTERGENIC		
SNP_65992B_17769	scaffold1530	NW_004516714.1	17769	GG	CC	CC	INTERGENIC		
SNP_65993B_17792	scaffold1530	NW_004516714.1	17792	GG	TT	TT	INTERGENIC		
SNP_65994B_17814	scaffold1530	NW_004516714.1	17814	GG	TT	TT	INTERGENIC		
SNP_65996B_17883	scaffold1530	NW_004516714.1	17883	CC	TT	TT	INTERGENIC		
SNP_65997B_17919	scaffold1530	NW_004516714.1	17919	TT	AA	AA	INTERGENIC		
SNP_65998B_18077	scaffold1530	NW_004516714.1	18077	GG	AA	AA	INTERGENIC		
SNP_65999B_18091	scaffold1530	NW_004516714.1	18091	GG	TT	TT	INTERGENIC		
SNP_66000B_18671	scaffold1530	NW_004516714.1	18671	CC	GG	GG	INTERGENIC		
SNP_66002B_18838	scaffold1530	NW_004516714.1	18838	GG	AA	AA	INTERGENIC		
SNP_66003B_18839	scaffold1530	NW_004516714.1	18839	AA	GG	GG	INTERGENIC		
SNP_66004B_18918	scaffold1530	NW_004516714.1	18918	CC	AA	AA	INTERGENIC		
SNP_66005B_18929	scaffold1530	NW_004516714.1	18929	GG	TT	TT	INTERGENIC		
SNP_66006B_18932	scaffold1530	NW_004516714.1	18932	AA	GG	GG	INTERGENIC		
SNP_66007B_19158	scaffold1530	NW_004516714.1	19158	GG	TT	TT	INTERGENIC		
SNP_66008B_19165	scaffold1530	NW_004516714.1	19165	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66009B_19186	scaffold1530	NW_004516714.1	19186	AA	TT	TT	INTERGENIC		
SNP_66010B_19420	scaffold1530	NW_004516714.1	19420	AA	TT	TT	INTERGENIC		
SNP_66011B_19443	scaffold1530	NW_004516714.1	19443	CC	GG	GG	INTERGENIC		
SNP_66013B_19742	scaffold1530	NW_004516714.1	19742	CC	TT	TT	INTERGENIC		
SNP_66014B_19957	scaffold1530	NW_004516714.1	19957	TT	CC	CC	INTERGENIC		
SNP_66015B_19958	scaffold1530	NW_004516714.1	19958	GG	AA	AA	INTERGENIC		
SNP_66016B_20007	scaffold1530	NW_004516714.1	20007	CC	GG	GG	INTERGENIC		
SNP_66018B_20457	scaffold1530	NW_004516714.1	20457	CC	TT	TT	INTERGENIC		
SNP_66019B_20653	scaffold1530	NW_004516714.1	20653	AA	GG	GG	INTERGENIC		
SNP_66020B_20799	scaffold1530	NW_004516714.1	20799	TT	AA	AA	INTERGENIC		
SNP_66021B_20817	scaffold1530	NW_004516714.1	20817	TT	CC	CC	INTERGENIC		
SNP_66022B_20825	scaffold1530	NW_004516714.1	20825	GG	AA	AA	INTERGENIC		
SNP_66023B_20830	scaffold1530	NW_004516714.1	20830	AA	GG	GG	INTERGENIC		
SNP_66024B_21032	scaffold1530	NW_004516714.1	21032	AA	TT	TT	INTERGENIC		
SNP_66026B_21189	scaffold1530	NW_004516714.1	21189	AA	GG	GG	INTERGENIC		
SNP_66027B_21234	scaffold1530	NW_004516714.1	21234	CC	TT	TT	INTERGENIC		
SNP_66028B_21256	scaffold1530	NW_004516714.1	21256	GG	AA	AA	INTERGENIC		
SNP_66029B_21344	scaffold1530	NW_004516714.1	21344	AA	GG	GG	INTERGENIC		
SNP_66030B_21399	scaffold1530	NW_004516714.1	21399	GG	AA	AA	INTERGENIC		
SNP_66031B_21410	scaffold1530	NW_004516714.1	21410	AA	GG	GG	INTERGENIC		
SNP_66032B_21416	scaffold1530	NW_004516714.1	21416	AA	CC	CC	INTERGENIC		
SNP_66033B_21420	scaffold1530	NW_004516714.1	21420	CC	AA	AA	INTERGENIC		
SNP_66034B_21430	scaffold1530	NW_004516714.1	21430	AA	CC	CC	INTERGENIC		
SNP_66035B_21451	scaffold1530	NW_004516714.1	21451	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66036B_21510	scaffold1530	NW_004516714.1	21510	TT	CC	CC	INTERGENIC		
SNP_66037B_21520	scaffold1530	NW_004516714.1	21520	AA	GG	GG	INTERGENIC		
SNP_66038B_21582	scaffold1530	NW_004516714.1	21582	CC	TT	TT	INTERGENIC		
SNP_66039B_21821	scaffold1530	NW_004516714.1	21821	TT	CC	CC	INTERGENIC		
SNP_66040B_21852	scaffold1530	NW_004516714.1	21852	GG	AA	AA	INTERGENIC		
SNP_66041B_22141	scaffold1530	NW_004516714.1	22141	AA	GG	GG	INTERGENIC		
SNP_66042B_22158	scaffold1530	NW_004516714.1	22158	GG	TT	TT	INTERGENIC		
SNP_66043B_22214	scaffold1530	NW_004516714.1	22214	GG	TT	TT	INTERGENIC		
SNP_66044B_22280	scaffold1530	NW_004516714.1	22280	TT	CC	CC	INTERGENIC		
SNP_66045B_22298	scaffold1530	NW_004516714.1	22298	CC	TT	TT	INTERGENIC		
SNP_66046B_22300	scaffold1530	NW_004516714.1	22300	CC	TT	TT	INTERGENIC		
SNP_66047B_22322	scaffold1530	NW_004516714.1	22322	TT	CC	CC	INTERGENIC		
SNP_66048B_22403	scaffold1530	NW_004516714.1	22403	AA	GG	GG	INTERGENIC		
SNP_66049B_22465	scaffold1530	NW_004516714.1	22465	GG	AA	AA	INTERGENIC		
SNP_66050B_22491	scaffold1530	NW_004516714.1	22491	AA	GG	GG	INTERGENIC		
SNP_66051B_22520	scaffold1530	NW_004516714.1	22520	GG	CC	CC	INTERGENIC		
SNP_66052B_22595	scaffold1530	NW_004516714.1	22595	AA	GG	GG	INTERGENIC		
SNP_66053B_23014	scaffold1530	NW_004516714.1	23014	AA	GG	GG	INTERGENIC		
SNP_66055B_23524	scaffold1530	NW_004516714.1	23524	GG	CC	CC	INTERGENIC		
SNP_66056B_23534	scaffold1530	NW_004516714.1	23534	CC	AA	AA	INTERGENIC		
SNP_66057B_23612	scaffold1530	NW_004516714.1	23612	AA	TT	TT	INTERGENIC		
SNP_66058B_23866	scaffold1530	NW_004516714.1	23866	TT	AA	AA	INTERGENIC		
SNP_66059B_23895	scaffold1530	NW_004516714.1	23895	CC	TT	TT	INTERGENIC		
SNP_66060B_23906	scaffold1530	NW_004516714.1	23906	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66061B_23918	scaffold1530	NW_004516714.1	23918	CC	AA	AA	INTERGENIC		
SNP_66062B_24066	scaffold1530	NW_004516714.1	24066	TT	CC	CC	INTERGENIC		
SNP_66063B_24256	scaffold1530	NW_004516714.1	24256	TT	GG	GG	INTERGENIC		
SNP_66064B_24313	scaffold1530	NW_004516714.1	24313	CC	GG	GG	INTERGENIC		
SNP_66065B_24427	scaffold1530	NW_004516714.1	24427	TT	CC	CC	INTERGENIC		
SNP_66066B_24460	scaffold1530	NW_004516714.1	24460	GG	AA	AA	INTERGENIC		
SNP_66067B_24470	scaffold1530	NW_004516714.1	24470	CC	TT	TT	INTERGENIC		
SNP_66068B_24528	scaffold1530	NW_004516714.1	24528	AA	GG	GG	INTERGENIC		
SNP_66069B_24604	scaffold1530	NW_004516714.1	24604	AA	GG	GG	INTERGENIC		
SNP_66070B_24621	scaffold1530	NW_004516714.1	24621	AA	GG	GG	INTERGENIC		
SNP_66071B_24638	scaffold1530	NW_004516714.1	24638	TT	CC	CC	INTERGENIC		
SNP_66072B_24686	scaffold1530	NW_004516714.1	24686	AA	GG	GG	INTERGENIC		
SNP_66074B_24718	scaffold1530	NW_004516714.1	24718	AA	TT	TT	INTERGENIC		
SNP_66075B_24741	scaffold1530	NW_004516714.1	24741	TT	AA	AA	INTERGENIC		
SNP_66076B_24781	scaffold1530	NW_004516714.1	24781	CC	TT	TT	INTERGENIC		
SNP_66077B_25059	scaffold1530	NW_004516714.1	25059	TT	CC	CC	INTERGENIC		
SNP_66078B_25097	scaffold1530	NW_004516714.1	25097	CC	AA	AA	INTERGENIC		
SNP_66079B_25098	scaffold1530	NW_004516714.1	25098	GG	AA	AA	INTERGENIC		
SNP_66080B_25101	scaffold1530	NW_004516714.1	25101	TT	GG	GG	INTERGENIC		
SNP_66081B_25111	scaffold1530	NW_004516714.1	25111	GG	CC	CC	INTERGENIC		
SNP_66082B_25143	scaffold1530	NW_004516714.1	25143	CC	TT	TT	INTERGENIC		
SNP_66083B_25144	scaffold1530	NW_004516714.1	25144	TT	CC	CC	INTERGENIC		
SNP_66084B_25223	scaffold1530	NW_004516714.1	25223	TT	AA	AA	INTERGENIC		
SNP_66085B_25224	scaffold1530	NW_004516714.1	25224	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66086B_25399	scaffold1530	NW_004516714.1	25399	TT	CC	CC	INTERGENIC		
SNP_66087B_25441	scaffold1530	NW_004516714.1	25441	TT	AA	AA	INTERGENIC		
SNP_66089B_25535	scaffold1530	NW_004516714.1	25535	GG	TT	TT	INTERGENIC		
SNP_66090B_25706	scaffold1530	NW_004516714.1	25706	CC	GG	GG	INTERGENIC		
SNP_66091B_25823	scaffold1530	NW_004516714.1	25823	GG	AA	AA	INTERGENIC		
SNP_66093B_25908	scaffold1530	NW_004516714.1	25908	AA	GG	GG	INTERGENIC		
SNP_66094B_25987	scaffold1530	NW_004516714.1	25987	AA	GG	GG	INTERGENIC		
SNP_66095B_26013	scaffold1530	NW_004516714.1	26013	TT	CC	CC	INTERGENIC		
SNP_66096B_26023	scaffold1530	NW_004516714.1	26023	CC	TT	TT	INTERGENIC		
SNP_66097B_26147	scaffold1530	NW_004516714.1	26147	GG	TT	TT	INTERGENIC		
SNP_66098B_26244	scaffold1530	NW_004516714.1	26244	AA	TT	TT	INTERGENIC		
SNP_66099B_26262	scaffold1530	NW_004516714.1	26262	AA	TT	TT	INTERGENIC		
SNP_66100B_26270	scaffold1530	NW_004516714.1	26270	GG	AA	AA	INTERGENIC		
SNP_66101B_26363	scaffold1530	NW_004516714.1	26363	CC	TT	TT	INTERGENIC		
SNP_66103B_26417	scaffold1530	NW_004516714.1	26417	CC	AA	AA	INTERGENIC		
SNP_66104B_26432	scaffold1530	NW_004516714.1	26432	TT	AA	AA	INTERGENIC		
SNP_66105B_26462	scaffold1530	NW_004516714.1	26462	TT	CC	CC	INTERGENIC		
SNP_66106B_26542	scaffold1530	NW_004516714.1	26542	TT	AA	AA	INTERGENIC		
SNP_66107B_26557	scaffold1530	NW_004516714.1	26557	AA	GG	GG	INTERGENIC		
SNP_66108B_26603	scaffold1530	NW_004516714.1	26603	AA	TT	TT	INTERGENIC		
SNP_66110B_26782	scaffold1530	NW_004516714.1	26782	AA	GG	GG	INTERGENIC		
SNP_66112B_27016	scaffold1530	NW_004516714.1	27016	AA	GG	GG	INTERGENIC		
SNP_66113B_27025	scaffold1530	NW_004516714.1	27025	TT	CC	CC	INTERGENIC		
SNP_66114B_27031	scaffold1530	NW_004516714.1	27031	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66116B_27115	scaffold1530	NW_004516714.1	27115	TT	CC	CC	INTERGENIC		
SNP_66119B_27386	scaffold1530	NW_004516714.1	27386	GG	AA	AA	INTERGENIC		
SNP_66120B_27476	scaffold1530	NW_004516714.1	27476	TT	AA	AA	INTERGENIC		
SNP_66121B_27480	scaffold1530	NW_004516714.1	27480	AA	TT	TT	INTERGENIC		
SNP_66122B_27582	scaffold1530	NW_004516714.1	27582	AA	GG	GG	INTERGENIC		
SNP_66123B_27592	scaffold1530	NW_004516714.1	27592	AA	GG	GG	INTERGENIC		
SNP_66124B_27737	scaffold1530	NW_004516714.1	27737	TT	CC	CC	INTERGENIC		
SNP_66126B_27835	scaffold1530	NW_004516714.1	27835	AA	GG	GG	INTERGENIC		
SNP_66127B_27873	scaffold1530	NW_004516714.1	27873	GG	TT	TT	INTERGENIC		
SNP_66128B_27909	scaffold1530	NW_004516714.1	27909	AA	TT	TT	INTERGENIC		
SNP_66130B_28052	scaffold1530	NW_004516714.1	28052	GG	AA	AA	INTERGENIC		
SNP_66131B_28165	scaffold1530	NW_004516714.1	28165	GG	AA	AA	INTERGENIC		
SNP_66132B_28179	scaffold1530	NW_004516714.1	28179	AA	TT	TT	INTERGENIC		
SNP_66133B_28275	scaffold1530	NW_004516714.1	28275	TT	CC	CC	INTERGENIC		
SNP_66135B_28454	scaffold1530	NW_004516714.1	28454	AA	TT	TT	INTERGENIC		
SNP_66136B_28599	scaffold1530	NW_004516714.1	28599	CC	AA	AA	INTERGENIC		
SNP_66137B_28621	scaffold1530	NW_004516714.1	28621	GG	AA	AA	INTERGENIC		
SNP_66138B_28626	scaffold1530	NW_004516714.1	28626	CC	TT	TT	INTERGENIC		
SNP_66139B_28635	scaffold1530	NW_004516714.1	28635	CC	GG	GG	INTERGENIC		
SNP_66140B_28652	scaffold1530	NW_004516714.1	28652	TT	GG	GG	INTERGENIC		
SNP_66141B_28710	scaffold1530	NW_004516714.1	28710	TT	CC	CC	INTERGENIC		
SNP_66142B_477	scaffold1531	NW_004516715.1	477	CC	AA	AA	INTERGENIC		
SNP_66143B_517	scaffold1531	NW_004516715.1	517	CC	TT	TT	INTERGENIC		
SNP_66144B_656	scaffold1531	NW_004516715.1	656	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66145B_695	scaffold1531	NW_004516715.1	695	AA	GG	GG	INTERGENIC		
SNP_66146B_702	scaffold1531	NW_004516715.1	702	TT	AA	AA	INTERGENIC		
SNP_66147B_3898	scaffold1531	NW_004516715.1	3898	CC	TT	TT	INTERGENIC		
SNP_66148B_4236	scaffold1531	NW_004516715.1	4236	GG	TT	TT	INTERGENIC		
SNP_66149B_4358	scaffold1531	NW_004516715.1	4358	AA	GG	GG	INTERGENIC		
SNP_66150B_19825	scaffold1531	NW_004516715.1	19825	AA	GG	GG	INTERGENIC		
SNP_66151B_22282	scaffold1531	NW_004516715.1	22282	CC	TT	TT	INTERGENIC		
SNP_66152B_22349	scaffold1531	NW_004516715.1	22349	CC	TT	TT	INTERGENIC		
SNP_66153B_23946	scaffold1531	NW_004516715.1	23946	CC	TT	TT	INTERGENIC		
SNP_66154B_23950	scaffold1531	NW_004516715.1	23950	AA	CC	CC	INTERGENIC		
SNP_66155B_23951	scaffold1531	NW_004516715.1	23951	TT	CC	CC	INTERGENIC		
SNP_66156B_24116	scaffold1531	NW_004516715.1	24116	CC	TT	TT	INTERGENIC		
SNP_66157B_24251	scaffold1531	NW_004516715.1	24251	AA	GG	GG	INTERGENIC		
SNP_66158B_24341	scaffold1531	NW_004516715.1	24341	TT	CC	CC	INTERGENIC		
SNP_66159B_24349	scaffold1531	NW_004516715.1	24349	AA	TT	TT	INTERGENIC		
SNP_66160B_24529	scaffold1531	NW_004516715.1	24529	CC	TT	TT	INTERGENIC		
SNP_66161B_24546	scaffold1531	NW_004516715.1	24546	CC	AA	AA	INTERGENIC		
SNP_66162B_24547	scaffold1531	NW_004516715.1	24547	AA	GG	GG	INTERGENIC		
SNP_66163B_24858	scaffold1531	NW_004516715.1	24858	CC	AA	AA	INTERGENIC		
SNP_66164B_24868	scaffold1531	NW_004516715.1	24868	AA	CC	CC	INTERGENIC		
SNP_66165B_24875	scaffold1531	NW_004516715.1	24875	GG	TT	TT	INTERGENIC		
SNP_66168B_25698	scaffold1531	NW_004516715.1	25698	TT	AA	AA	INTERGENIC		
SNP_66169B_25945	scaffold1531	NW_004516715.1	25945	CC	GG	GG	INTERGENIC		
SNP_66170B_26082	scaffold1531	NW_004516715.1	26082	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66171B_26084	scaffold1531	NW_004516715.1	26084	TT	AA	AA	INTERGENIC		
SNP_66173B_27820	scaffold1531	NW_004516715.1	27820	AA	GG	GG	INTERGENIC		
SNP_66174B_27856	scaffold1531	NW_004516715.1	27856	TT	GG	GG	INTERGENIC		
SNP_66175B_27884	scaffold1531	NW_004516715.1	27884	AA	TT	TT	INTERGENIC		
SNP_66176B_27941	scaffold1531	NW_004516715.1	27941	TT	CC	CC	INTERGENIC		
SNP_66177B_27959	scaffold1531	NW_004516715.1	27959	CC	GG	GG	INTERGENIC		
SNP_66178B_28001	scaffold1531	NW_004516715.1	28001	TT	AA	AA	INTERGENIC		
SNP_66179B_28008	scaffold1531	NW_004516715.1	28008	GG	AA	AA	INTERGENIC		
SNP_66180B_28034	scaffold1531	NW_004516715.1	28034	TT	CC	CC	INTERGENIC		
SNP_66181B_28138	scaffold1531	NW_004516715.1	28138	TT	AA	AA	INTERGENIC		
SNP_66182B_28145	scaffold1531	NW_004516715.1	28145	GG	AA	AA	INTERGENIC		
SNP_66183B_28175	scaffold1531	NW_004516715.1	28175	TT	GG	GG	INTERGENIC		
SNP_66184B_28187	scaffold1531	NW_004516715.1	28187	CC	AA	AA	INTERGENIC		
SNP_66185B_28345	scaffold1531	NW_004516715.1	28345	AA	GG	GG	INTERGENIC		
SNP_66186B_28346	scaffold1531	NW_004516715.1	28346	GG	AA	AA	INTERGENIC		
SNP_66187B_28363	scaffold1531	NW_004516715.1	28363	TT	GG	GG	INTERGENIC		
SNP_66188B_28435	scaffold1531	NW_004516715.1	28435	CC	AA	AA	INTERGENIC		
SNP_66189B_28443	scaffold1531	NW_004516715.1	28443	CC	AA	AA	INTERGENIC		
SNP_66190B_28494	scaffold1531	NW_004516715.1	28494	AA	GG	GG	INTERGENIC		
SNP_66191B_28528	scaffold1531	NW_004516715.1	28528	TT	CC	CC	INTERGENIC		
SNP_66192B_28531	scaffold1531	NW_004516715.1	28531	GG	AA	AA	INTERGENIC		
SNP_66193B_28564	scaffold1531	NW_004516715.1	28564	TT	AA	AA	INTERGENIC		
SNP_66194B_28579	scaffold1531	NW_004516715.1	28579	AA	CC	CC	INTERGENIC		
SNP_66195B_28644	scaffold1531	NW_004516715.1	28644	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66197B_28795	scaffold1531	NW_004516715.1	28795	TT	CC	CC	INTERGENIC		
SNP_66198B_28908	scaffold1531	NW_004516715.1	28908	AA	GG	GG	INTERGENIC		
SNP_66199B_28925	scaffold1531	NW_004516715.1	28925	GG	CC	CC	INTERGENIC		
SNP_66200B_28972	scaffold1531	NW_004516715.1	28972	GG	AA	AA	INTERGENIC		
SNP_66201B_29064	scaffold1531	NW_004516715.1	29064	TT	CC	CC	INTERGENIC		
SNP_66202B_29106	scaffold1531	NW_004516715.1	29106	GG	AA	AA	INTERGENIC		
SNP_66203B_29133	scaffold1531	NW_004516715.1	29133	CC	TT	TT	INTERGENIC		
SNP_66204B_29158	scaffold1531	NW_004516715.1	29158	TT	AA	AA	INTERGENIC		
SNP_66205B_29214	scaffold1531	NW_004516715.1	29214	GG	TT	TT	INTERGENIC		
SNP_66206B_29221	scaffold1531	NW_004516715.1	29221	TT	AA	AA	INTERGENIC		
SNP_66207B_29265	scaffold1531	NW_004516715.1	29265	TT	AA	AA	INTERGENIC		
SNP_66208B_29276	scaffold1531	NW_004516715.1	29276	GG	AA	AA	INTERGENIC		
SNP_66209B_29327	scaffold1531	NW_004516715.1	29327	TT	GG	GG	INTERGENIC		
SNP_66210B_29344	scaffold1531	NW_004516715.1	29344	GG	CC	CC	INTERGENIC		
SNP_66211B_29360	scaffold1531	NW_004516715.1	29360	TT	AA	AA	INTERGENIC		
SNP_66212B_29362	scaffold1531	NW_004516715.1	29362	CC	GG	GG	INTERGENIC		
SNP_66213B_29403	scaffold1531	NW_004516715.1	29403	GG	CC	CC	INTERGENIC		
SNP_66214B_29421	scaffold1531	NW_004516715.1	29421	GG	CC	CC	INTERGENIC		
SNP_66216B_29460	scaffold1531	NW_004516715.1	29460	GG	TT	TT	INTERGENIC		
SNP_66217B_29509	scaffold1531	NW_004516715.1	29509	AA	TT	TT	INTERGENIC		
SNP_66218B_34615	scaffold1531	NW_004516715.1	34615	AA	TT	TT	INTERGENIC		
SNP_66219B_34674	scaffold1531	NW_004516715.1	34674	CC	AA	AA	INTERGENIC		
SNP_66220B_34849	scaffold1531	NW_004516715.1	34849	TT	AA	AA	INTERGENIC		
SNP_66221B_35117	scaffold1531	NW_004516715.1	35117	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66222B_35143	scaffold1531	NW_004516715.1	35143	TT	GG	GG	INTERGENIC		
SNP_66223B_35192	scaffold1531	NW_004516715.1	35192	CC	TT	TT	INTERGENIC		
SNP_66224B_35602	scaffold1531	NW_004516715.1	35602	AA	CC	CC	INTERGENIC		
SNP_66225B_35650	scaffold1531	NW_004516715.1	35650	GG	TT	TT	INTERGENIC		
SNP_66226B_35654	scaffold1531	NW_004516715.1	35654	CC	TT	TT	INTERGENIC		
SNP_66227B_35684	scaffold1531	NW_004516715.1	35684	GG	AA	AA	INTERGENIC		
SNP_66228B_35704	scaffold1531	NW_004516715.1	35704	GG	AA	AA	INTERGENIC		
SNP_66229B_35733	scaffold1531	NW_004516715.1	35733	AA	GG	GG	INTERGENIC		
SNP_66230B_35766	scaffold1531	NW_004516715.1	35766	TT	CC	CC	INTERGENIC		
SNP_66231B_35817	scaffold1531	NW_004516715.1	35817	TT	CC	CC	INTERGENIC		
SNP_66232B_35831	scaffold1531	NW_004516715.1	35831	TT	AA	AA	INTERGENIC		
SNP_66233B_35838	scaffold1531	NW_004516715.1	35838	CC	GG	GG	INTERGENIC		
SNP_66234B_35879	scaffold1531	NW_004516715.1	35879	TT	CC	CC	INTERGENIC		
SNP_66235B_36119	scaffold1531	NW_004516715.1	36119	CC	GG	GG	INTERGENIC		
SNP_66236B_36129	scaffold1531	NW_004516715.1	36129	CC	AA	AA	INTERGENIC		
SNP_66237B_36269	scaffold1531	NW_004516715.1	36269	AA	TT	TT	INTERGENIC		
SNP_66238B_36502	scaffold1531	NW_004516715.1	36502	AA	GG	GG	INTERGENIC		
SNP_66239B_36572	scaffold1531	NW_004516715.1	36572	TT	CC	CC	INTERGENIC		
SNP_66240B_36738	scaffold1531	NW_004516715.1	36738	CC	GG	GG	INTERGENIC		
SNP_66241B_36824	scaffold1531	NW_004516715.1	36824	GG	TT	TT	INTERGENIC		
SNP_66242B_36873	scaffold1531	NW_004516715.1	36873	AA	TT	TT	INTERGENIC		
SNP_66243B_36897	scaffold1531	NW_004516715.1	36897	CC	AA	AA	INTERGENIC		
SNP_66244B_37778	scaffold1531	NW_004516715.1	37778	CC	TT	TT	INTERGENIC		
SNP_66245B_37814	scaffold1531	NW_004516715.1	37814	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66246B_37909	scaffold1531	NW_004516715.1	37909	TT	GG	GG	INTERGENIC		
SNP_66247B_37964	scaffold1531	NW_004516715.1	37964	CC	TT	TT	INTERGENIC		
SNP_66248B_37978	scaffold1531	NW_004516715.1	37978	CC	TT	TT	INTERGENIC		
SNP_66249B_38017	scaffold1531	NW_004516715.1	38017	TT	CC	CC	INTERGENIC		
SNP_66250B_38044	scaffold1531	NW_004516715.1	38044	TT	CC	CC	INTERGENIC		
SNP_66251B_38156	scaffold1531	NW_004516715.1	38156	AA	TT	TT	INTERGENIC		
SNP_66252B_38239	scaffold1531	NW_004516715.1	38239	TT	CC	CC	INTERGENIC		
SNP_66253B_38258	scaffold1531	NW_004516715.1	38258	AA	TT	TT	INTERGENIC		
SNP_66254B_39043	scaffold1531	NW_004516715.1	39043	TT	CC	CC	INTERGENIC		
SNP_66255B_40573	scaffold1531	NW_004516715.1	40573	AA	GG	GG	INTERGENIC		
SNP_66256B_7992	scaffold1532	NW_004516716.1	7992	TT	AA	AA	INTERGENIC		
SNP_66257B_8308	scaffold1532	NW_004516716.1	8308	AA	GG	GG	INTERGENIC		
SNP_66258B_10243	scaffold1532	NW_004516716.1	10243	AA	GG	GG	INTERGENIC		
SNP_66259B_10280	scaffold1532	NW_004516716.1	10280	CC	TT	TT	INTERGENIC		
SNP_66260B_10288	scaffold1532	NW_004516716.1	10288	GG	AA	AA	INTERGENIC		
SNP_66261B_10348	scaffold1532	NW_004516716.1	10348	AA	GG	GG	INTERGENIC		
SNP_66263B_10646	scaffold1532	NW_004516716.1	10646	AA	TT	TT	INTERGENIC		
SNP_66264B_10685	scaffold1532	NW_004516716.1	10685	GG	CC	CC	INTERGENIC		
SNP_66265B_10689	scaffold1532	NW_004516716.1	10689	CC	TT	TT	INTERGENIC		
SNP_66266B_10703	scaffold1532	NW_004516716.1	10703	TT	AA	AA	INTERGENIC		
SNP_66267B_10823	scaffold1532	NW_004516716.1	10823	AA	GG	GG	INTERGENIC		
SNP_66268B_10849	scaffold1532	NW_004516716.1	10849	CC	TT	TT	INTERGENIC		
SNP_66269B_15772	scaffold1532	NW_004516716.1	15772	AA	GG	GG	INTERGENIC		
SNP_66270B_18526	scaffold1532	NW_004516716.1	18526	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66271B_22090	scaffold1532	NW_004516716.1	22090	AA	GG	GG	INTERGENIC		
SNP_66272B_22154	scaffold1532	NW_004516716.1	22154	AA	GG	GG	INTERGENIC		
SNP_66273B_22161	scaffold1532	NW_004516716.1	22161	TT	CC	CC	INTERGENIC		
SNP_66274B_22176	scaffold1532	NW_004516716.1	22176	TT	CC	CC	INTERGENIC		
SNP_66275B_22182	scaffold1532	NW_004516716.1	22182	GG	AA	AA	INTERGENIC		
SNP_66276B_22188	scaffold1532	NW_004516716.1	22188	AA	GG	GG	INTERGENIC		
SNP_66277B_22190	scaffold1532	NW_004516716.1	22190	TT	CC	CC	INTERGENIC		
SNP_66278B_22606	scaffold1532	NW_004516716.1	22606	AA	GG	GG	INTERGENIC		
SNP_66279B_24826	scaffold1532	NW_004516716.1	24826	AA	CC	CC	INTERGENIC		
SNP_66281B_25123	scaffold1532	NW_004516716.1	25123	TT	CC	CC	INTERGENIC		
SNP_66282B_25161	scaffold1532	NW_004516716.1	25161	CC	TT	TT	INTERGENIC		
SNP_66283B_25182	scaffold1532	NW_004516716.1	25182	GG	TT	TT	INTERGENIC		
SNP_66284B_25236	scaffold1532	NW_004516716.1	25236	TT	CC	CC	INTERGENIC		
SNP_66285B_25248	scaffold1532	NW_004516716.1	25248	GG	TT	TT	INTERGENIC		
SNP_66286B_25270	scaffold1532	NW_004516716.1	25270	GG	AA	AA	INTERGENIC		
SNP_66287B_25298	scaffold1532	NW_004516716.1	25298	TT	CC	CC	INTERGENIC		
SNP_66288B_25299	scaffold1532	NW_004516716.1	25299	TT	CC	CC	INTERGENIC		
SNP_66289B_26119	scaffold1532	NW_004516716.1	26119	AA	TT	TT	INTERGENIC		
SNP_66290B_26127	scaffold1532	NW_004516716.1	26127	TT	AA	AA	INTERGENIC		
SNP_66291B_57881	scaffold1532	NW_004516716.1	57881	GG	TT	TT	INTERGENIC		
SNP_66292B_60967	scaffold1532	NW_004516716.1	60967	CC	TT	TT	INTERGENIC		
SNP_66294B_82048	scaffold1532	NW_004516716.1	82048	CC	TT	TT	INTERGENIC		
SNP_66295B_6734	scaffold1533	NW_004516717.1	6734	AA	GG	GG	INTERGENIC		
SNP_66296B_7079	scaffold1533	NW_004516717.1	7079	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66297B_7096	scaffold1533	NW_004516717.1	7096	TT	CC	CC	INTERGENIC		
SNP_66298B_7302	scaffold1533	NW_004516717.1	7302	CC	TT	TT	INTERGENIC		
SNP_66299B_10866	scaffold1533	NW_004516717.1	10866	AA	GG	GG	INTERGENIC		
SNP_66300B_11378	scaffold1533	NW_004516717.1	11378	CC	TT	TT	INTERGENIC		
SNP_66301B_11385	scaffold1533	NW_004516717.1	11385	AA	CC	CC	INTERGENIC		
SNP_66302B_14369	scaffold1533	NW_004516717.1	14369	TT	GG	GG	STOP_LOST	101512821	Unknown function
SNP_66303B_14392	scaffold1533	NW_004516717.1	14392	TT	GG	GG	NON_SYNONYMOUS_CODING	101512821	Unknown function
SNP_66304B_14401	scaffold1533	NW_004516717.1	14401	CC	TT	TT	SYNONYMOUS_CODING	101512821	Unknown function
SNP_66305B_14406	scaffold1533	NW_004516717.1	14406	AA	GG	GG	NON_SYNONYMOUS_CODING	101512821	Unknown function
SNP_66306B_14484	scaffold1533	NW_004516717.1	14484	CC	TT	TT	INTRON	101512821	Unknown function
SNP_66307B_36771	scaffold1533	NW_004516717.1	36771	AA	CC	CC	INTRON	101512821	Unknown function
SNP_66308B_36791	scaffold1533	NW_004516717.1	36791	CC	AA	AA	INTRON	101512821	Unknown function
SNP_66309B_63818	scaffold1533	NW_004516717.1	63818	GG	AA	AA	INTRON	101512821	Unknown function
SNP_66310B_65430	scaffold1533	NW_004516717.1	65430	AA	GG	GG	INTRON	101512821	Unknown function
SNP_66311B_105973	scaffold1533	NW_004516717.1	105973	TT	CC	CC	INTERGENIC		
SNP_66312B_105978	scaffold1533	NW_004516717.1	105978	GG	AA	AA	INTERGENIC		
SNP_66313B_135092	scaffold1533	NW_004516717.1	135092	AA	GG	GG	INTERGENIC		
SNP_66314B_2578	scaffold1535	NW_004516718.1	2578	TT	AA	AA	URR	101513150	L-type lectin-domain containing receptor kinase IX.1-like
SNP_66315B_2992	scaffold1535	NW_004516718.1	2992	AA	GG	GG	URR	101513150	L-type lectin-domain containing receptor kinase IX.1-like
SNP_66316B_3111	scaffold1535	NW_004516718.1	3111	AA	TT	TT	URR	101513150	L-type lectin-domain containing receptor kinase IX.1-like
SNP_66317B_442	scaffold1542	NW_004516720.1	442	AA	GG	GG	INTERGENIC		
SNP_66318B_39366	scaffold1542	NW_004516720.1	39366	AA	CC	CC	INTERGENIC		
SNP_66319B_64	scaffold1543	NW_004516721.1	64	GG	CC	CC	INTERGENIC		
SNP_66320B_328	scaffold1543	NW_004516721.1	328	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66321B_644	scaffold1544	NW_004516722.1	644	TT	AA	AA	INTERGENIC		
SNP_66322B_782	scaffold1544	NW_004516722.1	782	TT	GG	GG	INTERGENIC		
SNP_66323B_830	scaffold1544	NW_004516722.1	830	CC	AA	AA	INTERGENIC		
SNP_66324B_1190	scaffold1544	NW_004516722.1	1190	TT	AA	AA	INTERGENIC		
SNP_66325B_1191	scaffold1544	NW_004516722.1	1191	GG	TT	TT	INTERGENIC		
SNP_66326B_1589	scaffold1544	NW_004516722.1	1589	AA	GG	GG	INTERGENIC		
SNP_66327B_1656	scaffold1544	NW_004516722.1	1656	AA	TT	TT	INTERGENIC		
SNP_66328B_1679	scaffold1544	NW_004516722.1	1679	CC	TT	TT	INTERGENIC		
SNP_66329B_1705	scaffold1544	NW_004516722.1	1705	TT	CC	CC	INTERGENIC		
SNP_66330B_1767	scaffold1544	NW_004516722.1	1767	AA	CC	CC	INTERGENIC		
SNP_66331B_2411	scaffold1544	NW_004516722.1	2411	GG	AA	AA	INTERGENIC		
SNP_66332B_2527	scaffold1544	NW_004516722.1	2527	TT	CC	CC	INTERGENIC		
SNP_66333B_2804	scaffold1544	NW_004516722.1	2804	AA	GG	GG	INTERGENIC		
SNP_66334B_2874	scaffold1544	NW_004516722.1	2874	GG	AA	AA	INTERGENIC		
SNP_66335B_9076	scaffold1544	NW_004516722.1	9076	TT	GG	GG	INTERGENIC		
SNP_66336B_9127	scaffold1544	NW_004516722.1	9127	CC	GG	GG	INTERGENIC		
SNP_66337B_9308	scaffold1544	NW_004516722.1	9308	AA	TT	TT	INTERGENIC		
SNP_66338B_14141	scaffold1544	NW_004516722.1	14141	GG	CC	CC	INTERGENIC		
SNP_66340B_14944	scaffold1544	NW_004516722.1	14944	TT	CC	CC	INTERGENIC		
SNP_66341B_81342	scaffold1545	NW_004516723.1	81342	AA	TT	TT	INTERGENIC		
SNP_66342B_81343	scaffold1545	NW_004516723.1	81343	GG	AA	AA	INTERGENIC		
SNP_66343B_81400	scaffold1545	NW_004516723.1	81400	GG	CC	CC	INTERGENIC		
SNP_66344B_81406	scaffold1545	NW_004516723.1	81406	TT	CC	CC	INTERGENIC		
SNP_66346B_81521	scaffold1545	NW_004516723.1	81521	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66347B_81616	scaffold1545	NW_004516723.1	81616	TT	AA	AA	INTERGENIC		
SNP_66348B_81627	scaffold1545	NW_004516723.1	81627	GG	AA	AA	INTERGENIC		
SNP_66349B_81633	scaffold1545	NW_004516723.1	81633	CC	AA	AA	INTERGENIC		
SNP_66350B_81648	scaffold1545	NW_004516723.1	81648	AA	GG	GG	INTERGENIC		
SNP_66351B_81661	scaffold1545	NW_004516723.1	81661	CC	GG	GG	INTERGENIC		
SNP_66352B_81665	scaffold1545	NW_004516723.1	81665	TT	GG	GG	INTERGENIC		
SNP_66353B_81699	scaffold1545	NW_004516723.1	81699	AA	GG	GG	INTERGENIC		
SNP_66354B_81763	scaffold1545	NW_004516723.1	81763	TT	GG	GG	INTERGENIC		
SNP_66355B_81779	scaffold1545	NW_004516723.1	81779	TT	CC	CC	INTERGENIC		
SNP_66356B_81786	scaffold1545	NW_004516723.1	81786	TT	CC	CC	INTERGENIC		
SNP_66357B_81787	scaffold1545	NW_004516723.1	81787	TT	GG	GG	INTERGENIC		
SNP_66358B_81790	scaffold1545	NW_004516723.1	81790	GG	AA	AA	INTERGENIC		
SNP_66359B_81791	scaffold1545	NW_004516723.1	81791	AA	GG	GG	INTERGENIC		
SNP_66360B_81797	scaffold1545	NW_004516723.1	81797	TT	AA	AA	INTERGENIC		
SNP_66361B_81813	scaffold1545	NW_004516723.1	81813	AA	TT	TT	INTERGENIC		
SNP_66363B_192180	scaffold1545	NW_004516723.1	192180	GG	AA	AA	INTERGENIC		
SNP_66364B_237498	scaffold1545	NW_004516723.1	237498	TT	CC	CC	URR	101515428	uncharacterized LOC101515428
SNP_66365B_237523	scaffold1545	NW_004516723.1	237523	AA	CC	CC	URR	101515428	uncharacterized LOC101515428
SNP_66366B_288461	scaffold1545	NW_004516723.1	288461	GG	CC	CC	INTERGENIC		
SNP_66367B_125114	scaffold1546	NW_004516724.1	125114	TT	AA	AA	INTERGENIC		
SNP_66368B_127817	scaffold1546	NW_004516724.1	127817	GG	TT	TT	INTERGENIC		
SNP_66369B_141005	scaffold1546	NW_004516724.1	141005	TT	CC	CC	INTERGENIC		
SNP_66370B_141049	scaffold1546	NW_004516724.1	141049	TT	GG	GG	INTERGENIC		
SNP_66371B_141056	scaffold1546	NW_004516724.1	141056	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66372B_141062	scaffold1546	NW_004516724.1	141062	GG	AA	AA	INTERGENIC		
SNP_66373B_141064	scaffold1546	NW_004516724.1	141064	AA	TT	TT	INTERGENIC		
SNP_66374B_141072	scaffold1546	NW_004516724.1	141072	GG	AA	AA	INTERGENIC		
SNP_66375B_141086	scaffold1546	NW_004516724.1	141086	CC	AA	AA	INTERGENIC		
SNP_66376B_141381	scaffold1546	NW_004516724.1	141381	TT	GG	GG	INTERGENIC		
SNP_66377B_141430	scaffold1546	NW_004516724.1	141430	CC	TT	TT	INTERGENIC		
SNP_66378B_141503	scaffold1546	NW_004516724.1	141503	AA	GG	GG	INTERGENIC		
SNP_66379B_141772	scaffold1546	NW_004516724.1	141772	GG	AA	AA	INTERGENIC		
SNP_66380B_141776	scaffold1546	NW_004516724.1	141776	AA	TT	TT	INTERGENIC		
SNP_66381B_141851	scaffold1546	NW_004516724.1	141851	AA	GG	GG	INTERGENIC		
SNP_66382B_855	scaffold1548	NW_004516726.1	855	TT	GG	GG	INTERGENIC		
SNP_66383B_872	scaffold1548	NW_004516726.1	872	AA	GG	GG	INTERGENIC		
SNP_66385B_1173	scaffold1548	NW_004516726.1	1173	AA	GG	GG	INTERGENIC		
SNP_66386B_1469	scaffold1548	NW_004516726.1	1469	GG	TT	TT	INTERGENIC		
SNP_66387B_1557	scaffold1548	NW_004516726.1	1557	AA	TT	TT	INTERGENIC		
SNP_66388B_1732	scaffold1548	NW_004516726.1	1732	TT	CC	CC	INTERGENIC		
SNP_66389B_11023	scaffold1548	NW_004516726.1	11023	AA	TT	TT	INTERGENIC		
SNP_66391B_11187	scaffold1548	NW_004516726.1	11187	CC	TT	TT	INTERGENIC		
SNP_66392B_11283	scaffold1548	NW_004516726.1	11283	CC	TT	TT	INTERGENIC		
SNP_66393B_18691	scaffold1548	NW_004516726.1	18691	AA	TT	TT	INTERGENIC		
SNP_66394B_18719	scaffold1548	NW_004516726.1	18719	AA	GG	GG	INTERGENIC		
SNP_66395B_20048	scaffold1548	NW_004516726.1	20048	CC	TT	TT	INTERGENIC		
SNP_66396B_20320	scaffold1548	NW_004516726.1	20320	CC	AA	AA	INTERGENIC		
SNP_66397B_24779	scaffold1548	NW_004516726.1	24779	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66398B_25138	scaffold1548	NW_004516726.1	25138	TT	CC	CC	INTERGENIC		
SNP_66399B_27497	scaffold1548	NW_004516726.1	27497	GG	AA	AA	INTERGENIC		
SNP_66400B_27669	scaffold1548	NW_004516726.1	27669	GG	AA	AA	INTERGENIC		
SNP_66401B_27879	scaffold1548	NW_004516726.1	27879	GG	TT	TT	INTERGENIC		
SNP_66402B_5840	scaffold1550	NW_004516728.1	5840	AA	TT	TT	INTERGENIC		
SNP_66403B_5854	scaffold1550	NW_004516728.1	5854	GG	AA	AA	INTERGENIC		
SNP_66404B_16296	scaffold1550	NW_004516728.1	16296	CC	TT	TT	INTERGENIC		
SNP_66405B_16444	scaffold1550	NW_004516728.1	16444	TT	CC	CC	INTERGENIC		
SNP_66406B_16891	scaffold1550	NW_004516728.1	16891	AA	GG	GG	INTERGENIC		
SNP_66408B_33635	scaffold1550	NW_004516728.1	33635	TT	GG	GG	INTERGENIC		
SNP_66409B_33760	scaffold1550	NW_004516728.1	33760	CC	AA	AA	INTERGENIC		
SNP_66410B_33766	scaffold1550	NW_004516728.1	33766	TT	CC	CC	INTERGENIC		
SNP_66411B_40467	scaffold1550	NW_004516728.1	40467	TT	CC	CC	INTERGENIC		
SNP_66412B_40470	scaffold1550	NW_004516728.1	40470	TT	CC	CC	INTERGENIC		
SNP_66413B_40546	scaffold1550	NW_004516728.1	40546	AA	TT	TT	INTERGENIC		
SNP_66414B_40829	scaffold1550	NW_004516728.1	40829	AA	CC	CC	INTERGENIC		
SNP_66415B_40840	scaffold1550	NW_004516728.1	40840	CC	TT	TT	INTERGENIC		
SNP_66416B_40990	scaffold1550	NW_004516728.1	40990	AA	GG	GG	INTERGENIC		
SNP_66417B_41102	scaffold1550	NW_004516728.1	41102	CC	GG	GG	INTERGENIC		
SNP_66418B_41138	scaffold1550	NW_004516728.1	41138	TT	AA	AA	INTERGENIC		
SNP_66419B_43907	scaffold1550	NW_004516728.1	43907	AA	GG	GG	INTERGENIC		
SNP_66420B_44240	scaffold1550	NW_004516728.1	44240	AA	GG	GG	INTERGENIC		
SNP_66421B_44277	scaffold1550	NW_004516728.1	44277	TT	AA	AA	INTERGENIC		
SNP_66422B_49398	scaffold1550	NW_004516728.1	49398	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66424B_63832	scaffold1550	NW_004516728.1	63832	AA	GG	GG	INTERGENIC		
SNP_66425B_99275	scaffold1550	NW_004516728.1	99275	CC	GG	GG	INTERGENIC		
SNP_66426B_99346	scaffold1550	NW_004516728.1	99346	CC	TT	TT	INTERGENIC		
SNP_66427B_100250	scaffold1550	NW_004516728.1	100250	AA	GG	GG	INTERGENIC		
SNP_66428B_100264	scaffold1550	NW_004516728.1	100264	TT	AA	AA	INTERGENIC		
SNP_66429B_100982	scaffold1550	NW_004516728.1	100982	AA	TT	TT	INTERGENIC		
SNP_66430B_1928	scaffold1552	NW_004516730.1	1928	TT	AA	AA	INTERGENIC		
SNP_66431B_1954	scaffold1552	NW_004516730.1	1954	CC	TT	TT	INTERGENIC		
SNP_66432B_2004	scaffold1552	NW_004516730.1	2004	CC	TT	TT	INTERGENIC		
SNP_66433B_2125	scaffold1552	NW_004516730.1	2125	GG	AA	AA	INTERGENIC		
SNP_66434B_4664	scaffold1552	NW_004516730.1	4664	TT	CC	CC	INTERGENIC		
SNP_66435B_4792	scaffold1552	NW_004516730.1	4792	CC	TT	TT	INTERGENIC		
SNP_66436B_4837	scaffold1552	NW_004516730.1	4837	AA	GG	GG	INTERGENIC		
SNP_66437B_4872	scaffold1552	NW_004516730.1	4872	TT	CC	CC	INTERGENIC		
SNP_66438B_4911	scaffold1552	NW_004516730.1	4911	CC	AA	AA	INTERGENIC		
SNP_66439B_5040	scaffold1552	NW_004516730.1	5040	AA	GG	GG	INTERGENIC		
SNP_66440B_5093	scaffold1552	NW_004516730.1	5093	AA	GG	GG	INTERGENIC		
SNP_66441B_5403	scaffold1552	NW_004516730.1	5403	CC	TT	TT	INTERGENIC		
SNP_66442B_5410	scaffold1552	NW_004516730.1	5410	GG	AA	AA	INTERGENIC		
SNP_66443B_6484	scaffold1552	NW_004516730.1	6484	TT	GG	GG	INTERGENIC		
SNP_66444B_6541	scaffold1552	NW_004516730.1	6541	TT	AA	AA	INTERGENIC		
SNP_66445B_6585	scaffold1552	NW_004516730.1	6585	GG	AA	AA	INTERGENIC		
SNP_66446B_6591	scaffold1552	NW_004516730.1	6591	CC	AA	AA	INTERGENIC		
SNP_66447B_6596	scaffold1552	NW_004516730.1	6596	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66448B_6598	scaffold1552	NW_004516730.1	6598	CC	TT	TT	INTERGENIC		
SNP_66449B_7414	scaffold1552	NW_004516730.1	7414	AA	GG	GG	INTERGENIC		
SNP_66450B_7987	scaffold1552	NW_004516730.1	7987	TT	CC	CC	INTERGENIC		
SNP_66451B_7998	scaffold1552	NW_004516730.1	7998	CC	TT	TT	INTERGENIC		
SNP_66452B_8031	scaffold1552	NW_004516730.1	8031	GG	AA	AA	INTERGENIC		
SNP_66453B_8070	scaffold1552	NW_004516730.1	8070	CC	TT	TT	INTERGENIC		
SNP_66454B_8125	scaffold1552	NW_004516730.1	8125	CC	TT	TT	INTERGENIC		
SNP_66455B_8275	scaffold1552	NW_004516730.1	8275	CC	TT	TT	INTERGENIC		
SNP_66456B_10780	scaffold1552	NW_004516730.1	10780	TT	AA	AA	INTERGENIC		
SNP_66457B_10856	scaffold1552	NW_004516730.1	10856	AA	CC	CC	INTERGENIC		
SNP_66458B_11332	scaffold1552	NW_004516730.1	11332	AA	TT	TT	INTERGENIC		
SNP_66459B_11370	scaffold1552	NW_004516730.1	11370	CC	GG	GG	INTERGENIC		
SNP_66460B_11478	scaffold1552	NW_004516730.1	11478	GG	AA	AA	INTERGENIC		
SNP_66461B_13272	scaffold1552	NW_004516730.1	13272	AA	GG	GG	INTERGENIC		
SNP_66462B_13296	scaffold1552	NW_004516730.1	13296	CC	AA	AA	INTERGENIC		
SNP_66463B_13312	scaffold1552	NW_004516730.1	13312	AA	TT	TT	INTERGENIC		
SNP_66464B_13359	scaffold1552	NW_004516730.1	13359	AA	GG	GG	INTERGENIC		
SNP_66465B_19741	scaffold1552	NW_004516730.1	19741	GG	TT	TT	INTERGENIC		
SNP_66466B_19836	scaffold1552	NW_004516730.1	19836	CC	GG	GG	INTERGENIC		
SNP_66467B_19890	scaffold1552	NW_004516730.1	19890	TT	CC	CC	INTERGENIC		
SNP_66468B_19992	scaffold1552	NW_004516730.1	19992	GG	AA	AA	INTERGENIC		
SNP_66469B_20170	scaffold1552	NW_004516730.1	20170	CC	TT	TT	INTERGENIC		
SNP_66470B_20290	scaffold1552	NW_004516730.1	20290	TT	CC	CC	INTERGENIC		
SNP_66471B_20295	scaffold1552	NW_004516730.1	20295	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66472B_20558	scaffold1552	NW_004516730.1	20558	TT	AA	AA	INTERGENIC		
SNP_66474B_4887	scaffold1553	NW_004516731.1	4887	TT	CC	CC	INTERGENIC		
SNP_66475B_1477	scaffold1557	NW_004516734.1	1477	AA	GG	GG	INTERGENIC		
SNP_66476B_1540	scaffold1557	NW_004516734.1	1540	TT	GG	GG	INTERGENIC		
SNP_66477B_758	scaffold1559	NW_004516736.1	758	CC	TT	TT	INTERGENIC		
SNP_66478B_820	scaffold1559	NW_004516736.1	820	AA	TT	TT	INTERGENIC		
SNP_66479B_1874	scaffold1561	NW_004516738.1	1874	CC	AA	AA	INTERGENIC		
SNP_66480B_7664	scaffold1561	NW_004516738.1	7664	CC	GG	GG	INTERGENIC		
SNP_66481B_7666	scaffold1561	NW_004516738.1	7666	TT	CC	CC	INTERGENIC		
SNP_66482B_7731	scaffold1561	NW_004516738.1	7731	GG	TT	TT	INTERGENIC		
SNP_66483B_17639	scaffold1561	NW_004516738.1	17639	CC	TT	TT	INTERGENIC		
SNP_66484B_25802	scaffold1561	NW_004516738.1	25802	GG	AA	AA	INTERGENIC		
SNP_66486B_37149	scaffold1561	NW_004516738.1	37149	GG	AA	AA	INTERGENIC		
SNP_66487B_44889	scaffold1561	NW_004516738.1	44889	GG	AA	AA	INTERGENIC		
SNP_66488B_49502	scaffold1561	NW_004516738.1	49502	AA	CC	CC	INTERGENIC		
SNP_66489B_52370	scaffold1561	NW_004516738.1	52370	GG	AA	AA	INTERGENIC		
SNP_66490B_52704	scaffold1561	NW_004516738.1	52704	TT	AA	AA	INTERGENIC		
SNP_66491B_52735	scaffold1561	NW_004516738.1	52735	TT	CC	CC	INTERGENIC		
SNP_66492B_55106	scaffold1561	NW_004516738.1	55106	AA	TT	TT	INTERGENIC		
SNP_66493B_55110	scaffold1561	NW_004516738.1	55110	AA	GG	GG	INTERGENIC		
SNP_66494B_55146	scaffold1561	NW_004516738.1	55146	AA	GG	GG	INTERGENIC		
SNP_66495B_55159	scaffold1561	NW_004516738.1	55159	CC	TT	TT	INTERGENIC		
SNP_66496B_55164	scaffold1561	NW_004516738.1	55164	TT	CC	CC	INTERGENIC		
SNP_66497B_55182	scaffold1561	NW_004516738.1	55182	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66498B_55229	scaffold1561	NW_004516738.1	55229	CC	AA	AA	INTERGENIC		
SNP_66499B_55271	scaffold1561	NW_004516738.1	55271	CC	TT	TT	INTERGENIC		
SNP_66500B_55285	scaffold1561	NW_004516738.1	55285	AA	TT	TT	INTERGENIC		
SNP_66501B_55298	scaffold1561	NW_004516738.1	55298	GG	AA	AA	INTERGENIC		
SNP_66502B_55356	scaffold1561	NW_004516738.1	55356	CC	TT	TT	INTERGENIC		
SNP_66503B_55547	scaffold1561	NW_004516738.1	55547	GG	AA	AA	INTERGENIC		
SNP_66504B_55594	scaffold1561	NW_004516738.1	55594	AA	GG	GG	INTERGENIC		
SNP_66505B_55610	scaffold1561	NW_004516738.1	55610	AA	GG	GG	INTERGENIC		
SNP_66506B_55642	scaffold1561	NW_004516738.1	55642	AA	GG	GG	INTERGENIC		
SNP_66507B_55701	scaffold1561	NW_004516738.1	55701	TT	CC	CC	INTERGENIC		
SNP_66508B_69864	scaffold1561	NW_004516738.1	69864	GG	TT	TT	INTERGENIC		
SNP_66509B_69882	scaffold1561	NW_004516738.1	69882	GG	TT	TT	INTERGENIC		
SNP_66510B_69885	scaffold1561	NW_004516738.1	69885	GG	TT	TT	INTERGENIC		
SNP_66511B_70497	scaffold1561	NW_004516738.1	70497	AA	GG	GG	INTERGENIC		
SNP_66512B_70521	scaffold1561	NW_004516738.1	70521	TT	CC	CC	INTERGENIC		
SNP_66513B_70536	scaffold1561	NW_004516738.1	70536	AA	TT	TT	INTERGENIC		
SNP_66514B_70544	scaffold1561	NW_004516738.1	70544	AA	CC	CC	INTERGENIC		
SNP_66515B_70662	scaffold1561	NW_004516738.1	70662	GG	AA	AA	INTERGENIC		
SNP_66516B_70667	scaffold1561	NW_004516738.1	70667	TT	CC	CC	INTERGENIC		
SNP_66517B_80132	scaffold1561	NW_004516738.1	80132	AA	GG	GG	INTERGENIC		
SNP_66518B_80157	scaffold1561	NW_004516738.1	80157	TT	GG	GG	INTERGENIC		
SNP_66519B_80419	scaffold1561	NW_004516738.1	80419	AA	GG	GG	INTERGENIC		
SNP_66520B_1069	scaffold1562	NW_004516739.1	1069	CC	AA	AA	INTERGENIC		
SNP_66522B_1082	scaffold1562	NW_004516739.1	1082	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66523B_25275	scaffold1562	NW_004516739.1	25275	GG	AA	AA	INTERGENIC		
SNP_66525B_64444	scaffold1562	NW_004516739.1	64444	GG	AA	AA	INTERGENIC		
SNP_66526B_77222	scaffold1562	NW_004516739.1	77222	AA	GG	GG	INTRON	id213869	Unknown function
SNP_66527B_82072	scaffold1562	NW_004516739.1	82072	GG	AA	AA	INTERGENIC		
SNP_66528B_96986	scaffold1562	NW_004516739.1	96986	GG	AA	AA	INTERGENIC		
SNP_66529B_101812	scaffold1562	NW_004516739.1	101812	AA	GG	GG	INTERGENIC		
SNP_66530B_101818	scaffold1562	NW_004516739.1	101818	AA	GG	GG	INTERGENIC		
SNP_66531B_102232	scaffold1562	NW_004516739.1	102232	TT	AA	AA	INTERGENIC		
SNP_66532B_102254	scaffold1562	NW_004516739.1	102254	TT	GG	GG	INTERGENIC		
SNP_66533B_102314	scaffold1562	NW_004516739.1	102314	TT	AA	AA	INTERGENIC		
SNP_66534B_104130	scaffold1562	NW_004516739.1	104130	TT	CC	CC	INTERGENIC		
SNP_66536B_1861	scaffold1568	NW_004516742.1	1861	TT	GG	GG	INTERGENIC		
SNP_66537B_9993	scaffold1568	NW_004516742.1	9993	TT	CC	CC	INTERGENIC		
SNP_66538B_11652	scaffold1568	NW_004516742.1	11652	GG	TT	TT	INTERGENIC		
SNP_66539B_11933	scaffold1568	NW_004516742.1	11933	TT	CC	CC	INTERGENIC		
SNP_66540B_15212	scaffold1568	NW_004516742.1	15212	TT	CC	CC	INTERGENIC		
SNP_66541B_17265	scaffold1568	NW_004516742.1	17265	AA	GG	GG	INTERGENIC		
SNP_66542B_17267	scaffold1568	NW_004516742.1	17267	GG	AA	AA	INTERGENIC		
SNP_66543B_17271	scaffold1568	NW_004516742.1	17271	AA	TT	TT	INTERGENIC		
SNP_66544B_17905	scaffold1568	NW_004516742.1	17905	CC	GG	GG	INTERGENIC		
SNP_66545B_18012	scaffold1568	NW_004516742.1	18012	AA	TT	TT	INTERGENIC		
SNP_66546B_22311	scaffold1568	NW_004516742.1	22311	AA	GG	GG	INTERGENIC		
SNP_66547B_22463	scaffold1568	NW_004516742.1	22463	CC	AA	AA	INTERGENIC		
SNP_66548B_22832	scaffold1568	NW_004516742.1	22832	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66549B_23008	scaffold1568	NW_004516742.1	23008	TT	AA	AA	INTERGENIC		
SNP_66550B_23596	scaffold1568	NW_004516742.1	23596	CC	GG	GG	INTERGENIC		
SNP_66551B_23610	scaffold1568	NW_004516742.1	23610	AA	GG	GG	INTERGENIC		
SNP_66552B_23659	scaffold1568	NW_004516742.1	23659	GG	CC	CC	INTERGENIC		
SNP_66553B_23667	scaffold1568	NW_004516742.1	23667	AA	TT	TT	INTERGENIC		
SNP_66554B_24472	scaffold1568	NW_004516742.1	24472	GG	AA	AA	INTERGENIC		
SNP_66555B_24754	scaffold1568	NW_004516742.1	24754	TT	CC	CC	INTERGENIC		
SNP_66556B_25098	scaffold1568	NW_004516742.1	25098	TT	GG	GG	INTERGENIC		
SNP_66557B_33292	scaffold1568	NW_004516742.1	33292	TT	CC	CC	INTERGENIC		
SNP_66559B_33313	scaffold1568	NW_004516742.1	33313	AA	TT	TT	INTERGENIC		
SNP_66562B_33390	scaffold1568	NW_004516742.1	33390	CC	TT	TT	INTERGENIC		
SNP_66563B_33621	scaffold1568	NW_004516742.1	33621	TT	CC	CC	INTERGENIC		
SNP_66564B_44391	scaffold1568	NW_004516742.1	44391	AA	TT	TT	INTERGENIC		
SNP_66565B_44419	scaffold1568	NW_004516742.1	44419	TT	CC	CC	INTERGENIC		
SNP_66569B_44478	scaffold1568	NW_004516742.1	44478	AA	GG	GG	INTERGENIC		
SNP_66570B_44487	scaffold1568	NW_004516742.1	44487	TT	AA	AA	INTERGENIC		
SNP_66571B_44506	scaffold1568	NW_004516742.1	44506	AA	TT	TT	INTERGENIC		
SNP_66574B_44559	scaffold1568	NW_004516742.1	44559	TT	GG	GG	INTERGENIC		
SNP_66576B_46136	scaffold1568	NW_004516742.1	46136	TT	AA	AA	INTERGENIC		
SNP_66577B_46493	scaffold1568	NW_004516742.1	46493	TT	CC	CC	INTERGENIC		
SNP_66578B_46720	scaffold1568	NW_004516742.1	46720	GG	AA	AA	INTERGENIC		
SNP_66580B_49466	scaffold1568	NW_004516742.1	49466	AA	TT	TT	INTERGENIC		
SNP_66581B_54350	scaffold1568	NW_004516742.1	54350	TT	AA	AA	INTERGENIC		
SNP_66582B_66587	scaffold1568	NW_004516742.1	66587	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66583B_66600	scaffold1568	NW_004516742.1	66600	TT	AA	AA	INTERGENIC		
SNP_66584B_66716	scaffold1568	NW_004516742.1	66716	TT	AA	AA	INTERGENIC		
SNP_66585B_70768	scaffold1568	NW_004516742.1	70768	AA	TT	TT	INTERGENIC		
SNP_66586B_72894	scaffold1568	NW_004516742.1	72894	CC	TT	TT	INTERGENIC		
SNP_66587B_73494	scaffold1568	NW_004516742.1	73494	GG	TT	TT	INTERGENIC		
SNP_66588B_80053	scaffold1568	NW_004516742.1	80053	GG	CC	CC	INTERGENIC		
SNP_66589B_80149	scaffold1568	NW_004516742.1	80149	TT	CC	CC	INTERGENIC		
SNP_66590B_80257	scaffold1568	NW_004516742.1	80257	CC	GG	GG	INTERGENIC		
SNP_66591B_81815	scaffold1568	NW_004516742.1	81815	GG	AA	AA	INTERGENIC		
SNP_66592B_82223	scaffold1568	NW_004516742.1	82223	TT	GG	GG	INTERGENIC		
SNP_66593B_82246	scaffold1568	NW_004516742.1	82246	AA	TT	TT	INTERGENIC		
SNP_66594B_82550	scaffold1568	NW_004516742.1	82550	AA	TT	TT	INTERGENIC		
SNP_66597B_82833	scaffold1568	NW_004516742.1	82833	AA	GG	GG	INTERGENIC		
SNP_66598B_83266	scaffold1568	NW_004516742.1	83266	GG	TT	TT	INTERGENIC		
SNP_66599B_83281	scaffold1568	NW_004516742.1	83281	GG	TT	TT	INTERGENIC		
SNP_66600B_9538	scaffold1569	NW_004516743.1	9538	TT	AA	AA	INTERGENIC		
SNP_66601B_19628	scaffold1569	NW_004516743.1	19628	CC	TT	TT	INTERGENIC		
SNP_66602B_19634	scaffold1569	NW_004516743.1	19634	CC	AA	AA	INTERGENIC		
SNP_66603B_25545	scaffold1569	NW_004516743.1	25545	GG	AA	AA	INTERGENIC		
SNP_66604B_25655	scaffold1569	NW_004516743.1	25655	TT	AA	AA	INTERGENIC		
SNP_66605B_25899	scaffold1569	NW_004516743.1	25899	AA	CC	CC	INTERGENIC		
SNP_66606B_32401	scaffold1569	NW_004516743.1	32401	AA	CC	CC	INTERGENIC		
SNP_66607B_32457	scaffold1569	NW_004516743.1	32457	CC	GG	GG	INTERGENIC		
SNP_66610B_32774	scaffold1569	NW_004516743.1	32774	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66611B_32866	scaffold1569	NW_004516743.1	32866	AA	CC	CC	INTERGENIC		
SNP_66612B_32885	scaffold1569	NW_004516743.1	32885	AA	TT	TT	INTERGENIC		
SNP_66613B_32929	scaffold1569	NW_004516743.1	32929	AA	TT	TT	INTERGENIC		
SNP_66614B_32956	scaffold1569	NW_004516743.1	32956	AA	CC	CC	INTERGENIC		
SNP_66616B_33009	scaffold1569	NW_004516743.1	33009	CC	TT	TT	INTERGENIC		
SNP_66617B_33019	scaffold1569	NW_004516743.1	33019	TT	CC	CC	INTERGENIC		
SNP_66618B_33042	scaffold1569	NW_004516743.1	33042	GG	TT	TT	INTERGENIC		
SNP_66619B_33047	scaffold1569	NW_004516743.1	33047	TT	CC	CC	INTERGENIC		
SNP_66620B_6285	scaffold1572	NW_004516745.1	6285	AA	CC	CC	INTERGENIC		
SNP_66621B_6289	scaffold1572	NW_004516745.1	6289	GG	AA	AA	INTERGENIC		
SNP_66622B_6388	scaffold1572	NW_004516745.1	6388	GG	AA	AA	INTERGENIC		
SNP_66623B_6564	scaffold1572	NW_004516745.1	6564	CC	AA	AA	INTERGENIC		
SNP_66624B_6579	scaffold1572	NW_004516745.1	6579	AA	GG	GG	INTERGENIC		
SNP_66625B_6588	scaffold1572	NW_004516745.1	6588	GG	AA	AA	INTERGENIC		
SNP_66626B_6622	scaffold1572	NW_004516745.1	6622	CC	GG	GG	INTERGENIC		
SNP_66627B_1851	scaffold1573	NW_004516746.1	1851	TT	CC	CC	INTERGENIC		
SNP_66628B_2043	scaffold1573	NW_004516746.1	2043	AA	GG	GG	INTERGENIC		
SNP_66629B_2578	scaffold1573	NW_004516746.1	2578	AA	TT	TT	INTERGENIC		
SNP_66630B_68795	scaffold1574	NW_004516747.1	68795	CC	TT	TT	INTERGENIC		
SNP_66631B_68815	scaffold1574	NW_004516747.1	68815	GG	AA	AA	INTERGENIC		
SNP_66632B_75559	scaffold1574	NW_004516747.1	75559	AA	GG	GG	INTERGENIC		
SNP_66633B_98891	scaffold1574	NW_004516747.1	98891	TT	CC	CC	INTERGENIC		
SNP_66634B_110172	scaffold1574	NW_004516747.1	110172	TT	CC	CC	INTERGENIC		
SNP_66635B_110180	scaffold1574	NW_004516747.1	110180	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66636B_83692	scaffold1575	NW_004516748.1	83692	AA	GG	GG	INTERGENIC		
SNP_66637B_83700	scaffold1575	NW_004516748.1	83700	AA	TT	TT	INTERGENIC		
SNP_66638B_90081	scaffold1575	NW_004516748.1	90081	CC	TT	TT	INTERGENIC		
SNP_66639B_90091	scaffold1575	NW_004516748.1	90091	CC	TT	TT	INTERGENIC		
SNP_66640B_123942	scaffold1575	NW_004516748.1	123942	TT	CC	CC	INTERGENIC		
SNP_66642B_17010	scaffold1578	NW_004516751.1	17010	AA	GG	GG	INTERGENIC		
SNP_66643B_17190	scaffold1578	NW_004516751.1	17190	CC	TT	TT	INTERGENIC		
SNP_66644B_33873	scaffold1578	NW_004516751.1	33873	AA	GG	GG	INTERGENIC		
SNP_66645B_41958	scaffold1578	NW_004516751.1	41958	TT	GG	GG	INTERGENIC		
SNP_66646B_46541	scaffold1578	NW_004516751.1	46541	TT	GG	GG	INTERGENIC		
SNP_66647B_46562	scaffold1578	NW_004516751.1	46562	CC	AA	AA	INTERGENIC		
SNP_66648B_59797	scaffold1578	NW_004516751.1	59797	TT	CC	CC	INTERGENIC		
SNP_66649B_63339	scaffold1578	NW_004516751.1	63339	TT	AA	AA	INTERGENIC		
SNP_66651B_77067	scaffold1578	NW_004516751.1	77067	AA	GG	GG	INTERGENIC		
SNP_66652B_77122	scaffold1578	NW_004516751.1	77122	TT	AA	AA	INTERGENIC		
SNP_66653B_77150	scaffold1578	NW_004516751.1	77150	GG	TT	TT	INTERGENIC		
SNP_66654B_77234	scaffold1578	NW_004516751.1	77234	TT	AA	AA	INTERGENIC		
SNP_66655B_77876	scaffold1578	NW_004516751.1	77876	AA	GG	GG	INTERGENIC		
SNP_66656B_78463	scaffold1578	NW_004516751.1	78463	CC	TT	TT	INTERGENIC		
SNP_66657B_78478	scaffold1578	NW_004516751.1	78478	TT	CC	CC	INTERGENIC		
SNP_66658B_78496	scaffold1578	NW_004516751.1	78496	TT	AA	AA	INTERGENIC		
SNP_66659B_79007	scaffold1578	NW_004516751.1	79007	GG	TT	TT	INTERGENIC		
SNP_66660B_85623	scaffold1578	NW_004516751.1	85623	CC	AA	AA	INTERGENIC		
SNP_66662B_9028	scaffold1579	NW_004516752.1	9028	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66663B_9179	scaffold1579	NW_004516752.1	9179	TT	CC	CC	INTERGENIC		
SNP_66664B_9191	scaffold1579	NW_004516752.1	9191	TT	CC	CC	INTERGENIC		
SNP_66665B_9297	scaffold1579	NW_004516752.1	9297	TT	AA	AA	INTERGENIC		
SNP_66666B_9299	scaffold1579	NW_004516752.1	9299	CC	AA	AA	INTERGENIC		
SNP_66667B_9339	scaffold1579	NW_004516752.1	9339	TT	CC	CC	INTERGENIC		
SNP_66668B_9343	scaffold1579	NW_004516752.1	9343	AA	GG	GG	INTERGENIC		
SNP_66669B_9348	scaffold1579	NW_004516752.1	9348	TT	GG	GG	INTERGENIC		
SNP_66670B_9442	scaffold1579	NW_004516752.1	9442	CC	TT	TT	INTERGENIC		
SNP_66671B_9508	scaffold1579	NW_004516752.1	9508	CC	TT	TT	INTERGENIC		
SNP_66672B_9726	scaffold1579	NW_004516752.1	9726	AA	GG	GG	INTERGENIC		
SNP_66673B_9727	scaffold1579	NW_004516752.1	9727	AA	CC	CC	INTERGENIC		
SNP_66674B_9764	scaffold1579	NW_004516752.1	9764	AA	TT	TT	INTERGENIC		
SNP_66675B_9793	scaffold1579	NW_004516752.1	9793	TT	CC	CC	INTERGENIC		
SNP_66676B_17623	scaffold1579	NW_004516752.1	17623	AA	GG	GG	INTERGENIC		
SNP_66677B_17625	scaffold1579	NW_004516752.1	17625	AA	TT	TT	INTERGENIC		
SNP_66678B_35111	scaffold1579	NW_004516752.1	35111	AA	TT	TT	INTERGENIC		
SNP_66679B_35254	scaffold1579	NW_004516752.1	35254	AA	GG	GG	INTERGENIC		
SNP_66680B_35295	scaffold1579	NW_004516752.1	35295	CC	TT	TT	INTERGENIC		
SNP_66681B_35487	scaffold1579	NW_004516752.1	35487	TT	AA	AA	INTERGENIC		
SNP_66682B_35524	scaffold1579	NW_004516752.1	35524	AA	TT	TT	INTERGENIC		
SNP_66683B_35592	scaffold1579	NW_004516752.1	35592	TT	CC	CC	INTERGENIC		
SNP_66684B_57419	scaffold1579	NW_004516752.1	57419	GG	AA	AA	INTERGENIC		
SNP_66686B_65117	scaffold1579	NW_004516752.1	65117	TT	CC	CC	INTERGENIC		
SNP_66687B_65194	scaffold1579	NW_004516752.1	65194	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66688B_65196	scaffold1579	NW_004516752.1	65196	GG	AA	AA	INTERGENIC		
SNP_66689B_65477	scaffold1579	NW_004516752.1	65477	TT	AA	AA	INTERGENIC		
SNP_66690B_69353	scaffold1579	NW_004516752.1	69353	GG	AA	AA	INTERGENIC		
SNP_66691B_83106	scaffold1579	NW_004516752.1	83106	AA	TT	TT	INTERGENIC		
SNP_66692B_150696	scaffold1579	NW_004516752.1	150696	CC	TT	TT	INTERGENIC		
SNP_66693B_150871	scaffold1579	NW_004516752.1	150871	TT	AA	AA	INTERGENIC		
SNP_66694B_187208	scaffold1579	NW_004516752.1	187208	TT	CC	CC	INTERGENIC		
SNP_66695B_192018	scaffold1579	NW_004516752.1	192018	CC	TT	TT	INTERGENIC		
SNP_66696B_194242	scaffold1579	NW_004516752.1	194242	AA	CC	CC	INTERGENIC		
SNP_66697B_194455	scaffold1579	NW_004516752.1	194455	CC	TT	TT	INTERGENIC		
SNP_66698B_194457	scaffold1579	NW_004516752.1	194457	AA	CC	CC	INTERGENIC		
SNP_66699B_194537	scaffold1579	NW_004516752.1	194537	CC	GG	GG	INTERGENIC		
SNP_66700B_203342	scaffold1579	NW_004516752.1	203342	TT	CC	CC	INTERGENIC		
SNP_66701B_203345	scaffold1579	NW_004516752.1	203345	AA	CC	CC	INTERGENIC		
SNP_66702B_203490	scaffold1579	NW_004516752.1	203490	AA	TT	TT	INTERGENIC		
SNP_66703B_204020	scaffold1579	NW_004516752.1	204020	CC	TT	TT	INTERGENIC		
SNP_66704B_226214	scaffold1579	NW_004516752.1	226214	TT	CC	CC	INTERGENIC		
SNP_66705B_226259	scaffold1579	NW_004516752.1	226259	TT	CC	CC	INTERGENIC		
SNP_66706B_226512	scaffold1579	NW_004516752.1	226512	TT	AA	AA	INTERGENIC		
SNP_66707B_232671	scaffold1579	NW_004516752.1	232671	TT	CC	CC	INTERGENIC		
SNP_66708B_232808	scaffold1579	NW_004516752.1	232808	AA	GG	GG	INTERGENIC		
SNP_66709B_232819	scaffold1579	NW_004516752.1	232819	AA	CC	CC	INTERGENIC		
SNP_66710B_232820	scaffold1579	NW_004516752.1	232820	AA	TT	TT	INTERGENIC		
SNP_66711B_233206	scaffold1579	NW_004516752.1	233206	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66712B_233211	scaffold1579	NW_004516752.1	233211	AA	CC	CC	INTERGENIC		
SNP_66713B_233946	scaffold1579	NW_004516752.1	233946	TT	CC	CC	INTERGENIC		
SNP_66714B_233960	scaffold1579	NW_004516752.1	233960	TT	AA	AA	INTERGENIC		
SNP_66715B_234063	scaffold1579	NW_004516752.1	234063	TT	GG	GG	INTERGENIC		
SNP_66716B_234077	scaffold1579	NW_004516752.1	234077	AA	GG	GG	INTERGENIC		
SNP_66717B_240973	scaffold1579	NW_004516752.1	240973	AA	GG	GG	INTERGENIC		
SNP_66718B_241246	scaffold1579	NW_004516752.1	241246	AA	CC	CC	INTERGENIC		
SNP_66719B_243275	scaffold1579	NW_004516752.1	243275	AA	GG	GG	INTERGENIC		
SNP_66720B_243292	scaffold1579	NW_004516752.1	243292	AA	CC	CC	INTERGENIC		
SNP_66721B_243297	scaffold1579	NW_004516752.1	243297	CC	TT	TT	INTERGENIC		
SNP_66722B_243396	scaffold1579	NW_004516752.1	243396	TT	GG	GG	INTERGENIC		
SNP_66723B_243710	scaffold1579	NW_004516752.1	243710	TT	CC	CC	INTERGENIC		
SNP_66724B_243800	scaffold1579	NW_004516752.1	243800	AA	GG	GG	INTERGENIC		
SNP_66725B_243804	scaffold1579	NW_004516752.1	243804	TT	CC	CC	INTERGENIC		
SNP_66726B_244431	scaffold1579	NW_004516752.1	244431	AA	GG	GG	INTERGENIC		
SNP_66727B_244445	scaffold1579	NW_004516752.1	244445	TT	CC	CC	INTERGENIC		
SNP_66728B_7207	scaffold1580	NW_004516753.1	7207	AA	CC	CC	INTERGENIC		
SNP_66729B_7217	scaffold1580	NW_004516753.1	7217	TT	GG	GG	INTERGENIC		
SNP_66730B_7241	scaffold1580	NW_004516753.1	7241	AA	CC	CC	INTERGENIC		
SNP_66732B_69840	scaffold1580	NW_004516753.1	69840	AA	TT	TT	INTERGENIC		
SNP_66733B_69874	scaffold1580	NW_004516753.1	69874	TT	CC	CC	INTERGENIC		
SNP_66735B_70138	scaffold1580	NW_004516753.1	70138	GG	AA	AA	INTERGENIC		
SNP_66736B_70481	scaffold1580	NW_004516753.1	70481	TT	CC	CC	INTERGENIC		
SNP_66737B_168772	scaffold1580	NW_004516753.1	168772	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66738B_169206	scaffold1580	NW_004516753.1	169206	TT	GG	GG	INTERGENIC		
SNP_66739B_169207	scaffold1580	NW_004516753.1	169207	TT	CC	CC	INTERGENIC		
SNP_66740B_184211	scaffold1580	NW_004516753.1	184211	CC	TT	TT	INTERGENIC		
SNP_66741B_184236	scaffold1580	NW_004516753.1	184236	CC	TT	TT	INTERGENIC		
SNP_66742B_184262	scaffold1580	NW_004516753.1	184262	GG	AA	AA	INTERGENIC		
SNP_66743B_184304	scaffold1580	NW_004516753.1	184304	TT	AA	AA	INTERGENIC		
SNP_66744B_185221	scaffold1580	NW_004516753.1	185221	AA	GG	GG	INTERGENIC		
SNP_66745B_185231	scaffold1580	NW_004516753.1	185231	CC	TT	TT	INTERGENIC		
SNP_66746B_185383	scaffold1580	NW_004516753.1	185383	AA	TT	TT	INTERGENIC		
SNP_66747B_196163	scaffold1580	NW_004516753.1	196163	TT	GG	GG	INTERGENIC		
SNP_66748B_220299	scaffold1580	NW_004516753.1	220299	AA	GG	GG	INTERGENIC		
SNP_66752B_361067	scaffold1580	NW_004516753.1	361067	TT	CC	CC	INTERGENIC		
SNP_66753B_361103	scaffold1580	NW_004516753.1	361103	AA	TT	TT	INTERGENIC		
SNP_66754B_472094	scaffold1580	NW_004516753.1	472094	GG	AA	AA	INTERGENIC		
SNP_66758B_472834	scaffold1580	NW_004516753.1	472834	AA	TT	TT	INTERGENIC		
SNP_66759B_472915	scaffold1580	NW_004516753.1	472915	CC	AA	AA	INTERGENIC		
SNP_66760B_472917	scaffold1580	NW_004516753.1	472917	AA	GG	GG	INTERGENIC		
SNP_66761B_473072	scaffold1580	NW_004516753.1	473072	TT	CC	CC	INTERGENIC		
SNP_66762B_473112	scaffold1580	NW_004516753.1	473112	AA	GG	GG	INTERGENIC		
SNP_66763B_473120	scaffold1580	NW_004516753.1	473120	GG	AA	AA	INTERGENIC		
SNP_66764B_473123	scaffold1580	NW_004516753.1	473123	AA	TT	TT	INTERGENIC		
SNP_66765B_473150	scaffold1580	NW_004516753.1	473150	TT	GG	GG	INTERGENIC		
SNP_66766B_473221	scaffold1580	NW_004516753.1	473221	CC	TT	TT	INTERGENIC		
SNP_66767B_473223	scaffold1580	NW_004516753.1	473223	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66768B_504949	scaffold1580	NW_004516753.1	504949	CC	TT	TT	INTERGENIC		
SNP_66769B_504952	scaffold1580	NW_004516753.1	504952	AA	CC	CC	INTERGENIC		
SNP_66770B_505307	scaffold1580	NW_004516753.1	505307	AA	CC	CC	INTERGENIC		
SNP_66771B_505416	scaffold1580	NW_004516753.1	505416	AA	GG	GG	INTERGENIC		
SNP_66772B_7731	scaffold1581	NW_004516754.1	7731	GG	CC	CC	INTERGENIC		
SNP_66773B_174	scaffold1585	NW_004516755.1	174	CC	TT	TT	INTERGENIC		
SNP_66774B_58032	scaffold1585	NW_004516755.1	58032	CC	GG	GG	INTERGENIC		
SNP_66775B_58074	scaffold1585	NW_004516755.1	58074	AA	GG	GG	INTERGENIC		
SNP_66776B_58139	scaffold1585	NW_004516755.1	58139	TT	CC	CC	INTERGENIC		
SNP_66777B_58342	scaffold1585	NW_004516755.1	58342	CC	TT	TT	INTERGENIC		
SNP_66778B_58357	scaffold1585	NW_004516755.1	58357	TT	GG	GG	INTERGENIC		
SNP_66779B_58362	scaffold1585	NW_004516755.1	58362	GG	AA	AA	INTERGENIC		
SNP_66780B_58466	scaffold1585	NW_004516755.1	58466	GG	TT	TT	INTERGENIC		
SNP_66781B_58562	scaffold1585	NW_004516755.1	58562	GG	AA	AA	INTERGENIC		
SNP_66782B_58577	scaffold1585	NW_004516755.1	58577	TT	CC	CC	INTERGENIC		
SNP_66783B_58785	scaffold1585	NW_004516755.1	58785	AA	CC	CC	INTERGENIC		
SNP_66784B_58801	scaffold1585	NW_004516755.1	58801	AA	GG	GG	INTERGENIC		
SNP_66785B_58805	scaffold1585	NW_004516755.1	58805	TT	CC	CC	INTERGENIC		
SNP_66786B_58822	scaffold1585	NW_004516755.1	58822	TT	GG	GG	INTERGENIC		
SNP_66787B_59001	scaffold1585	NW_004516755.1	59001	CC	TT	TT	INTERGENIC		
SNP_66788B_61903	scaffold1585	NW_004516755.1	61903	CC	TT	TT	INTERGENIC		
SNP_66789B_62170	scaffold1585	NW_004516755.1	62170	TT	CC	CC	INTERGENIC		
SNP_66790B_62176	scaffold1585	NW_004516755.1	62176	TT	CC	CC	INTERGENIC		
SNP_66792B_179450	scaffold1585	NW_004516755.1	179450	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66793B_179463	scaffold1585	NW_004516755.1	179463	GG	AA	AA	INTERGENIC		
SNP_66794B_1821	scaffold1586	NW_004516756.1	1821	AA	TT	TT	INTERGENIC		
SNP_66796B_2154	scaffold1586	NW_004516756.1	2154	GG	AA	AA	INTERGENIC		
SNP_66797B_2205	scaffold1586	NW_004516756.1	2205	CC	GG	GG	INTERGENIC		
SNP_66798B_13151	scaffold1586	NW_004516756.1	13151	GG	AA	AA	INTERGENIC		
SNP_66799B_8364	scaffold1590	NW_004516759.1	8364	CC	TT	TT	INTERGENIC		
SNP_66800B_8373	scaffold1590	NW_004516759.1	8373	AA	CC	CC	INTERGENIC		
SNP_66801B_8470	scaffold1590	NW_004516759.1	8470	CC	TT	TT	INTERGENIC		
SNP_66802B_8487	scaffold1590	NW_004516759.1	8487	CC	TT	TT	INTERGENIC		
SNP_66803B_8517	scaffold1590	NW_004516759.1	8517	CC	AA	AA	INTERGENIC		
SNP_66804B_8633	scaffold1590	NW_004516759.1	8633	CC	AA	AA	INTERGENIC		
SNP_66805B_8726	scaffold1590	NW_004516759.1	8726	TT	CC	CC	INTERGENIC		
SNP_66806B_8835	scaffold1590	NW_004516759.1	8835	TT	CC	CC	INTERGENIC		
SNP_66807B_12414	scaffold1590	NW_004516759.1	12414	TT	CC	CC	INTERGENIC		
SNP_66808B_12434	scaffold1590	NW_004516759.1	12434	CC	TT	TT	INTERGENIC		
SNP_66809B_12622	scaffold1590	NW_004516759.1	12622	AA	GG	GG	INTERGENIC		
SNP_66810B_12886	scaffold1590	NW_004516759.1	12886	TT	GG	GG	INTERGENIC		
SNP_66811B_7686	scaffold1603	NW_004516764.1	7686	AA	GG	GG	INTERGENIC		
SNP_66812B_7726	scaffold1603	NW_004516764.1	7726	TT	CC	CC	INTERGENIC		
SNP_66813B_7729	scaffold1603	NW_004516764.1	7729	TT	GG	GG	INTERGENIC		
SNP_66814B_7744	scaffold1603	NW_004516764.1	7744	TT	CC	CC	INTERGENIC		
SNP_66815B_46646	scaffold1603	NW_004516764.1	46646	TT	CC	CC	INTERGENIC		
SNP_66816B_46703	scaffold1603	NW_004516764.1	46703	TT	CC	CC	INTERGENIC		
SNP_66817B_46849	scaffold1603	NW_004516764.1	46849	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66818B_315	scaffold1607	NW_004516766.1	315	GG	AA	AA	INTERGENIC		
SNP_66819B_391	scaffold1607	NW_004516766.1	391	TT	CC	CC	INTERGENIC		
SNP_66820B_14084	scaffold1607	NW_004516766.1	14084	AA	GG	GG	INTERGENIC		
SNP_66821B_14171	scaffold1607	NW_004516766.1	14171	AA	TT	TT	INTERGENIC		
SNP_66822B_14323	scaffold1607	NW_004516766.1	14323	GG	TT	TT	INTERGENIC		
SNP_66823B_14540	scaffold1607	NW_004516766.1	14540	GG	AA	AA	INTERGENIC		
SNP_66824B_42086	scaffold1607	NW_004516766.1	42086	CC	TT	TT	INTERGENIC		
SNP_66825B_47212	scaffold1607	NW_004516766.1	47212	TT	GG	GG	INTERGENIC		
SNP_66826B_47267	scaffold1607	NW_004516766.1	47267	AA	CC	CC	INTERGENIC		
SNP_66827B_47430	scaffold1607	NW_004516766.1	47430	TT	AA	AA	INTERGENIC		
SNP_66828B_60100	scaffold1607	NW_004516766.1	60100	TT	GG	GG	INTERGENIC		
SNP_66829B_99188	scaffold1607	NW_004516766.1	99188	TT	CC	CC	INTERGENIC		
SNP_66830B_99407	scaffold1607	NW_004516766.1	99407	TT	CC	CC	INTERGENIC		
SNP_66831B_116848	scaffold1607	NW_004516766.1	116848	TT	AA	AA	INTRON	101508858	Unknown function
SNP_66832B_117126	scaffold1607	NW_004516766.1	117126	GG	CC	CC	INTRON	101508858	Unknown function
SNP_66833B_117128	scaffold1607	NW_004516766.1	117128	GG	TT	TT	INTRON	101508858	Unknown function
SNP_66834B_117170	scaffold1607	NW_004516766.1	117170	TT	AA	AA	INTRON	101508858	Unknown function
SNP_66835B_119639	scaffold1607	NW_004516766.1	119639	AA	GG	GG	INTRON	101508858	Unknown function
SNP_66836B_119717	scaffold1607	NW_004516766.1	119717	AA	TT	TT	INTRON	101508858	Unknown function
SNP_66837B_119882	scaffold1607	NW_004516766.1	119882	TT	GG	GG	INTRON	101508858	Unknown function
SNP_66838B_119888	scaffold1607	NW_004516766.1	119888	CC	TT	TT	INTRON	101508858	Unknown function
SNP_66839B_119895	scaffold1607	NW_004516766.1	119895	GG	AA	AA	INTRON	101508858	Unknown function
SNP_66840B_119896	scaffold1607	NW_004516766.1	119896	CC	AA	AA	INTRON	101508858	Unknown function
SNP_66841B_119928	scaffold1607	NW_004516766.1	119928	TT	CC	CC	INTRON	101508858	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66842B_119938	scaffold1607	NW_004516766.1	119938	AA	CC	CC	INTRON	101508858	Unknown function
SNP_66844B_2839	scaffold1612	NW_004516770.1	2839	AA	GG	GG	INTERGENIC		
SNP_66845B_2390	scaffold1613	NW_004516771.1	2390	CC	AA	AA	INTERGENIC		
SNP_66846B_10570	scaffold1613	NW_004516771.1	10570	CC	TT	TT	INTERGENIC		
SNP_66847B_10630	scaffold1613	NW_004516771.1	10630	GG	AA	AA	INTERGENIC		
SNP_66848B_10633	scaffold1613	NW_004516771.1	10633	AA	TT	TT	INTERGENIC		
SNP_66849B_10726	scaffold1613	NW_004516771.1	10726	TT	CC	CC	INTERGENIC		
SNP_66850B_54699	scaffold1613	NW_004516771.1	54699	AA	CC	CC	URR	101509182	serine/threonine-protein kinase ATG1-like
SNP_66851B_65426	scaffold1613	NW_004516771.1	65426	AA	GG	GG	INTERGENIC		
SNP_66852B_65455	scaffold1613	NW_004516771.1	65455	TT	CC	CC	INTERGENIC		
SNP_66853B_65476	scaffold1613	NW_004516771.1	65476	AA	GG	GG	INTERGENIC		
SNP_66854B_88689	scaffold1613	NW_004516771.1	88689	TT	AA	AA	INTERGENIC		
SNP_66855B_98421	scaffold1613	NW_004516771.1	98421	AA	TT	TT	INTERGENIC		
SNP_66857B_98456	scaffold1613	NW_004516771.1	98456	TT	CC	CC	INTERGENIC		
SNP_66859B_107869	scaffold1613	NW_004516771.1	107869	AA	GG	GG	INTRON	101510795	Unknown function
SNP_66860B_113636	scaffold1613	NW_004516771.1	113636	TT	CC	CC	INTERGENIC		
SNP_66861B_115948	scaffold1613	NW_004516771.1	115948	TT	AA	AA	INTERGENIC		
SNP_66862B_116032	scaffold1613	NW_004516771.1	116032	CC	TT	TT	INTERGENIC		
SNP_66863B_116913	scaffold1613	NW_004516771.1	116913	AA	GG	GG	INTERGENIC		
SNP_66864B_117299	scaffold1613	NW_004516771.1	117299	CC	TT	TT	INTERGENIC		
SNP_66865B_117313	scaffold1613	NW_004516771.1	117313	AA	GG	GG	INTERGENIC		
SNP_66866B_117373	scaffold1613	NW_004516771.1	117373	AA	GG	GG	INTERGENIC		
SNP_66867B_5436	scaffold1614	NW_004516772.1	5436	AA	GG	GG	INTERGENIC		
SNP_66868B_6566	scaffold1614	NW_004516772.1	6566	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66869B_6807	scaffold1614	NW_004516772.1	6807	TT	GG	GG	INTERGENIC		
SNP_66870B_7613	scaffold1614	NW_004516772.1	7613	TT	AA	AA	INTERGENIC		
SNP_66871B_7663	scaffold1614	NW_004516772.1	7663	CC	AA	AA	INTERGENIC		
SNP_66872B_7714	scaffold1614	NW_004516772.1	7714	TT	AA	AA	INTERGENIC		
SNP_66873B_8043	scaffold1614	NW_004516772.1	8043	GG	AA	AA	INTERGENIC		
SNP_66874B_8066	scaffold1614	NW_004516772.1	8066	AA	CC	CC	INTERGENIC		
SNP_66875B_8113	scaffold1614	NW_004516772.1	8113	AA	CC	CC	INTERGENIC		
SNP_66876B_8344	scaffold1614	NW_004516772.1	8344	GG	TT	TT	INTERGENIC		
SNP_66877B_8697	scaffold1614	NW_004516772.1	8697	TT	CC	CC	INTERGENIC		
SNP_66878B_9888	scaffold1614	NW_004516772.1	9888	AA	GG	GG	INTERGENIC		
SNP_66879B_13490	scaffold1614	NW_004516772.1	13490	TT	AA	AA	INTERGENIC		
SNP_66880B_13669	scaffold1614	NW_004516772.1	13669	CC	TT	TT	INTERGENIC		
SNP_66881B_13695	scaffold1614	NW_004516772.1	13695	AA	TT	TT	INTERGENIC		
SNP_66882B_13706	scaffold1614	NW_004516772.1	13706	TT	GG	GG	INTERGENIC		
SNP_66883B_13724	scaffold1614	NW_004516772.1	13724	TT	GG	GG	INTERGENIC		
SNP_66884B_13732	scaffold1614	NW_004516772.1	13732	CC	TT	TT	INTERGENIC		
SNP_66885B_13878	scaffold1614	NW_004516772.1	13878	GG	CC	CC	INTERGENIC		
SNP_66886B_14056	scaffold1614	NW_004516772.1	14056	GG	CC	CC	INTERGENIC		
SNP_66888B_14103	scaffold1614	NW_004516772.1	14103	TT	AA	AA	INTERGENIC		
SNP_66889B_14189	scaffold1614	NW_004516772.1	14189	AA	CC	CC	INTERGENIC		
SNP_66890B_14195	scaffold1614	NW_004516772.1	14195	GG	CC	CC	INTERGENIC		
SNP_66891B_14198	scaffold1614	NW_004516772.1	14198	TT	CC	CC	INTERGENIC		
SNP_66892B_14410	scaffold1614	NW_004516772.1	14410	AA	TT	TT	INTERGENIC		
SNP_66893B_66132	scaffold1614	NW_004516772.1	66132	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66894B_66393	scaffold1614	NW_004516772.1	66393	GG	CC	CC	INTERGENIC		
SNP_66895B_70093	scaffold1614	NW_004516772.1	70093	AA	GG	GG	INTERGENIC		
SNP_66896B_95855	scaffold1614	NW_004516772.1	95855	CC	TT	TT	INTERGENIC		
SNP_66897B_96569	scaffold1614	NW_004516772.1	96569	CC	TT	TT	INTERGENIC		
SNP_66898B_99702	scaffold1614	NW_004516772.1	99702	CC	TT	TT	INTERGENIC		
SNP_66899B_100165	scaffold1614	NW_004516772.1	100165	AA	GG	GG	INTERGENIC		
SNP_66900B_100446	scaffold1614	NW_004516772.1	100446	CC	AA	AA	INTERGENIC		
SNP_66901B_102663	scaffold1614	NW_004516772.1	102663	TT	GG	GG	INTERGENIC		
SNP_66902B_104578	scaffold1614	NW_004516772.1	104578	CC	TT	TT	INTERGENIC		
SNP_66903B_111164	scaffold1614	NW_004516772.1	111164	GG	AA	AA	INTERGENIC		
SNP_66904B_112879	scaffold1614	NW_004516772.1	112879	TT	AA	AA	INTERGENIC		
SNP_66905B_113023	scaffold1614	NW_004516772.1	113023	AA	TT	TT	INTERGENIC		
SNP_66906B_113859	scaffold1614	NW_004516772.1	113859	TT	CC	CC	INTERGENIC		
SNP_66907B_114003	scaffold1614	NW_004516772.1	114003	TT	CC	CC	INTERGENIC		
SNP_66908B_114019	scaffold1614	NW_004516772.1	114019	CC	TT	TT	INTERGENIC		
SNP_66909B_114044	scaffold1614	NW_004516772.1	114044	TT	CC	CC	INTERGENIC		
SNP_66910B_114756	scaffold1614	NW_004516772.1	114756	AA	TT	TT	INTERGENIC		
SNP_66911B_114805	scaffold1614	NW_004516772.1	114805	GG	AA	AA	INTERGENIC		
SNP_66912B_114810	scaffold1614	NW_004516772.1	114810	GG	AA	AA	INTERGENIC		
SNP_66913B_114818	scaffold1614	NW_004516772.1	114818	AA	TT	TT	INTERGENIC		
SNP_66914B_114900	scaffold1614	NW_004516772.1	114900	TT	CC	CC	INTERGENIC		
SNP_66915B_114913	scaffold1614	NW_004516772.1	114913	GG	AA	AA	INTERGENIC		
SNP_66916B_114920	scaffold1614	NW_004516772.1	114920	TT	AA	AA	INTERGENIC		
SNP_66917B_114921	scaffold1614	NW_004516772.1	114921	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66918B_114926	scaffold1614	NW_004516772.1	114926	TT	GG	GG	INTERGENIC		
SNP_66919B_114977	scaffold1614	NW_004516772.1	114977	AA	CC	CC	INTERGENIC		
SNP_66920B_115028	scaffold1614	NW_004516772.1	115028	CC	TT	TT	INTERGENIC		
SNP_66921B_115120	scaffold1614	NW_004516772.1	115120	CC	GG	GG	INTERGENIC		
SNP_66922B_115131	scaffold1614	NW_004516772.1	115131	CC	TT	TT	INTERGENIC		
SNP_66923B_115627	scaffold1614	NW_004516772.1	115627	GG	AA	AA	INTERGENIC		
SNP_66924B_115749	scaffold1614	NW_004516772.1	115749	TT	CC	CC	INTERGENIC		
SNP_66925B_115750	scaffold1614	NW_004516772.1	115750	GG	AA	AA	INTERGENIC		
SNP_66926B_115760	scaffold1614	NW_004516772.1	115760	GG	AA	AA	INTERGENIC		
SNP_66927B_115773	scaffold1614	NW_004516772.1	115773	GG	CC	CC	INTERGENIC		
SNP_66928B_115791	scaffold1614	NW_004516772.1	115791	CC	TT	TT	INTERGENIC		
SNP_66929B_115857	scaffold1614	NW_004516772.1	115857	CC	TT	TT	INTERGENIC		
SNP_66930B_116264	scaffold1614	NW_004516772.1	116264	TT	AA	AA	INTERGENIC		
SNP_66931B_116740	scaffold1614	NW_004516772.1	116740	AA	TT	TT	INTERGENIC		
SNP_66932B_116917	scaffold1614	NW_004516772.1	116917	CC	GG	GG	INTERGENIC		
SNP_66933B_119989	scaffold1614	NW_004516772.1	119989	TT	GG	GG	INTERGENIC		
SNP_66934B_120875	scaffold1614	NW_004516772.1	120875	GG	CC	CC	INTERGENIC		
SNP_66935B_120964	scaffold1614	NW_004516772.1	120964	TT	AA	AA	INTERGENIC		
SNP_66936B_121033	scaffold1614	NW_004516772.1	121033	CC	GG	GG	INTERGENIC		
SNP_66937B_121043	scaffold1614	NW_004516772.1	121043	CC	TT	TT	INTERGENIC		
SNP_66938B_124167	scaffold1614	NW_004516772.1	124167	AA	CC	CC	INTERGENIC		
SNP_66939B_124660	scaffold1614	NW_004516772.1	124660	GG	TT	TT	INTERGENIC		
SNP_66941B_132680	scaffold1614	NW_004516772.1	132680	AA	GG	GG	INTERGENIC		
SNP_66942B_132916	scaffold1614	NW_004516772.1	132916	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66943B_133098	scaffold1614	NW_004516772.1	133098	TT	AA	AA	INTERGENIC		
SNP_66944B_133251	scaffold1614	NW_004516772.1	133251	TT	GG	GG	INTERGENIC		
SNP_66945B_134404	scaffold1614	NW_004516772.1	134404	AA	TT	TT	INTERGENIC		
SNP_66946B_135517	scaffold1614	NW_004516772.1	135517	GG	AA	AA	INTERGENIC		
SNP_66947B_135560	scaffold1614	NW_004516772.1	135560	CC	TT	TT	INTERGENIC		
SNP_66948B_137114	scaffold1614	NW_004516772.1	137114	CC	GG	GG	INTERGENIC		
SNP_66949B_140867	scaffold1614	NW_004516772.1	140867	CC	TT	TT	INTERGENIC		
SNP_66950B_142008	scaffold1614	NW_004516772.1	142008	TT	GG	GG	INTERGENIC		
SNP_66951B_148170	scaffold1614	NW_004516772.1	148170	AA	TT	TT	INTERGENIC		
SNP_66952B_148233	scaffold1614	NW_004516772.1	148233	AA	GG	GG	INTERGENIC		
SNP_66953B_148237	scaffold1614	NW_004516772.1	148237	AA	GG	GG	INTERGENIC		
SNP_66954B_148238	scaffold1614	NW_004516772.1	148238	CC	GG	GG	INTERGENIC		
SNP_66955B_151826	scaffold1614	NW_004516772.1	151826	GG	AA	AA	INTERGENIC		
SNP_66956B_151892	scaffold1614	NW_004516772.1	151892	AA	TT	TT	INTERGENIC		
SNP_66957B_152159	scaffold1614	NW_004516772.1	152159	AA	TT	TT	INTERGENIC		
SNP_66958B_152936	scaffold1614	NW_004516772.1	152936	CC	TT	TT	INTERGENIC		
SNP_66959B_153481	scaffold1614	NW_004516772.1	153481	CC	TT	TT	INTERGENIC		
SNP_66960B_154090	scaffold1614	NW_004516772.1	154090	TT	CC	CC	INTERGENIC		
SNP_66961B_154092	scaffold1614	NW_004516772.1	154092	AA	CC	CC	INTERGENIC		
SNP_66962B_154173	scaffold1614	NW_004516772.1	154173	GG	CC	CC	INTERGENIC		
SNP_66963B_154349	scaffold1614	NW_004516772.1	154349	CC	AA	AA	INTERGENIC		
SNP_66964B_154402	scaffold1614	NW_004516772.1	154402	CC	TT	TT	INTERGENIC		
SNP_66965B_155028	scaffold1614	NW_004516772.1	155028	GG	TT	TT	INTERGENIC		
SNP_66966B_155686	scaffold1614	NW_004516772.1	155686	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66967B_157135	scaffold1614	NW_004516772.1	157135	GG	CC	CC	INTERGENIC		
SNP_66968B_158187	scaffold1614	NW_004516772.1	158187	CC	GG	GG	INTERGENIC		
SNP_66969B_158255	scaffold1614	NW_004516772.1	158255	AA	GG	GG	INTERGENIC		
SNP_66970B_159655	scaffold1614	NW_004516772.1	159655	AA	CC	CC	INTERGENIC		
SNP_66971B_160277	scaffold1614	NW_004516772.1	160277	TT	CC	CC	INTERGENIC		
SNP_66972B_161706	scaffold1614	NW_004516772.1	161706	AA	CC	CC	INTERGENIC		
SNP_66973B_162051	scaffold1614	NW_004516772.1	162051	CC	GG	GG	INTERGENIC		
SNP_66974B_162298	scaffold1614	NW_004516772.1	162298	CC	GG	GG	INTERGENIC		
SNP_66975B_162315	scaffold1614	NW_004516772.1	162315	AA	CC	CC	INTERGENIC		
SNP_66976B_163795	scaffold1614	NW_004516772.1	163795	GG	TT	TT	INTERGENIC		
SNP_66977B_163848	scaffold1614	NW_004516772.1	163848	AA	GG	GG	INTERGENIC		
SNP_66978B_163859	scaffold1614	NW_004516772.1	163859	GG	AA	AA	INTERGENIC		
SNP_66979B_163872	scaffold1614	NW_004516772.1	163872	GG	AA	AA	INTERGENIC		
SNP_66980B_163894	scaffold1614	NW_004516772.1	163894	GG	AA	AA	INTERGENIC		
SNP_66981B_163924	scaffold1614	NW_004516772.1	163924	TT	CC	CC	INTERGENIC		
SNP_66982B_163926	scaffold1614	NW_004516772.1	163926	GG	AA	AA	INTERGENIC		
SNP_66983B_164141	scaffold1614	NW_004516772.1	164141	CC	TT	TT	INTERGENIC		
SNP_66984B_164145	scaffold1614	NW_004516772.1	164145	AA	GG	GG	INTERGENIC		
SNP_66985B_164153	scaffold1614	NW_004516772.1	164153	CC	GG	GG	INTERGENIC		
SNP_66986B_164156	scaffold1614	NW_004516772.1	164156	AA	TT	TT	INTERGENIC		
SNP_66987B_164157	scaffold1614	NW_004516772.1	164157	CC	AA	AA	INTERGENIC		
SNP_66988B_164277	scaffold1614	NW_004516772.1	164277	AA	GG	GG	INTERGENIC		
SNP_66989B_164282	scaffold1614	NW_004516772.1	164282	TT	GG	GG	INTERGENIC		
SNP_66990B_164427	scaffold1614	NW_004516772.1	164427	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_66992B_164494	scaffold1614	NW_004516772.1	164494	GG	AA	AA	INTERGENIC		
SNP_66993B_164504	scaffold1614	NW_004516772.1	164504	CC	TT	TT	INTERGENIC		
SNP_66994B_167342	scaffold1614	NW_004516772.1	167342	GG	TT	TT	INTERGENIC		
SNP_66995B_168729	scaffold1614	NW_004516772.1	168729	TT	CC	CC	INTERGENIC		
SNP_66996B_168858	scaffold1614	NW_004516772.1	168858	GG	CC	CC	INTERGENIC		
SNP_66997B_169135	scaffold1614	NW_004516772.1	169135	AA	CC	CC	INTERGENIC		
SNP_66998B_184308	scaffold1614	NW_004516772.1	184308	AA	CC	CC	INTERGENIC		
SNP_66999B_186870	scaffold1614	NW_004516772.1	186870	CC	GG	GG	INTERGENIC		
SNP_67000B_187728	scaffold1614	NW_004516772.1	187728	AA	GG	GG	INTERGENIC		
SNP_67001B_188421	scaffold1614	NW_004516772.1	188421	AA	CC	CC	INTERGENIC		
SNP_67002B_190866	scaffold1614	NW_004516772.1	190866	TT	AA	AA	INTERGENIC		
SNP_67003B_192882	scaffold1614	NW_004516772.1	192882	GG	AA	AA	INTERGENIC		
SNP_67004B_193075	scaffold1614	NW_004516772.1	193075	GG	AA	AA	INTERGENIC		
SNP_67005B_194351	scaffold1614	NW_004516772.1	194351	AA	TT	TT	INTERGENIC		
SNP_67007B_430	scaffold1620	NW_004516775.1	430	TT	GG	GG	INTERGENIC		
SNP_67008B_516	scaffold1620	NW_004516775.1	516	TT	CC	CC	INTERGENIC		
SNP_67009B_810	scaffold1620	NW_004516775.1	810	TT	GG	GG	INTERGENIC		
SNP_67010B_14045	scaffold1623	NW_004516777.1	14045	GG	TT	TT	INTERGENIC		
SNP_67011B_31246	scaffold1626	NW_004516779.1	31246	AA	GG	GG	INTERGENIC		
SNP_67012B_31465	scaffold1626	NW_004516779.1	31465	GG	AA	AA	INTERGENIC		
SNP_67013B_31484	scaffold1626	NW_004516779.1	31484	TT	GG	GG	INTERGENIC		
SNP_67014B_31539	scaffold1626	NW_004516779.1	31539	AA	CC	CC	INTERGENIC		
SNP_67015B_32455	scaffold1626	NW_004516779.1	32455	CC	TT	TT	INTERGENIC		
SNP_67016B_76926	scaffold1626	NW_004516779.1	76926	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67017B_108438	scaffold1626	NW_004516779.1	108438	AA	CC	CC	INTERGENIC		
SNP_67018B_108691	scaffold1626	NW_004516779.1	108691	TT	GG	GG	INTERGENIC		
SNP_67019B_127379	scaffold1626	NW_004516779.1	127379	GG	AA	AA	INTERGENIC		
SNP_67020B_128015	scaffold1626	NW_004516779.1	128015	AA	TT	TT	INTERGENIC		
SNP_67022B_13359	scaffold1630	NW_004516781.1	13359	AA	GG	GG	INTERGENIC		
SNP_67023B_13474	scaffold1630	NW_004516781.1	13474	TT	AA	AA	INTERGENIC		
SNP_67024B_20341	scaffold1630	NW_004516781.1	20341	CC	AA	AA	INTERGENIC		
SNP_67025B_30235	scaffold1630	NW_004516781.1	30235	AA	CC	CC	INTERGENIC		
SNP_67026B_30252	scaffold1630	NW_004516781.1	30252	AA	TT	TT	INTERGENIC		
SNP_67027B_30264	scaffold1630	NW_004516781.1	30264	CC	TT	TT	INTERGENIC		
SNP_67028B_30269	scaffold1630	NW_004516781.1	30269	TT	CC	CC	INTERGENIC		
SNP_67029B_30284	scaffold1630	NW_004516781.1	30284	GG	CC	CC	INTERGENIC		
SNP_67030B_30352	scaffold1630	NW_004516781.1	30352	AA	GG	GG	INTERGENIC		
SNP_67031B_30432	scaffold1630	NW_004516781.1	30432	AA	GG	GG	INTERGENIC		
SNP_67032B_30439	scaffold1630	NW_004516781.1	30439	CC	AA	AA	INTERGENIC		
SNP_67033B_30546	scaffold1630	NW_004516781.1	30546	TT	CC	CC	INTERGENIC		
SNP_67034B_30550	scaffold1630	NW_004516781.1	30550	AA	TT	TT	INTERGENIC		
SNP_67035B_35798	scaffold1630	NW_004516781.1	35798	TT	CC	CC	INTERGENIC		
SNP_67036B_37113	scaffold1630	NW_004516781.1	37113	CC	TT	TT	INTERGENIC		
SNP_67037B_44047	scaffold1630	NW_004516781.1	44047	GG	CC	CC	INTERGENIC		
SNP_67038B_44048	scaffold1630	NW_004516781.1	44048	TT	CC	CC	INTERGENIC		
SNP_67039B_44317	scaffold1630	NW_004516781.1	44317	CC	TT	TT	INTERGENIC		
SNP_67040B_57261	scaffold1630	NW_004516781.1	57261	CC	AA	AA	INTERGENIC		
SNP_67041B_57274	scaffold1630	NW_004516781.1	57274	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67042B_57318	scaffold1630	NW_004516781.1	57318	CC	TT	TT	INTERGENIC		
SNP_67043B_57327	scaffold1630	NW_004516781.1	57327	AA	GG	GG	INTERGENIC		
SNP_67044B_93302	scaffold1630	NW_004516781.1	93302	AA	TT	TT	INTERGENIC		
SNP_67045B_93305	scaffold1630	NW_004516781.1	93305	TT	CC	CC	INTERGENIC		
SNP_67046B_93311	scaffold1630	NW_004516781.1	93311	AA	GG	GG	INTERGENIC		
SNP_67047B_93312	scaffold1630	NW_004516781.1	93312	CC	TT	TT	INTERGENIC		
SNP_67048B_106811	scaffold1630	NW_004516781.1	106811	GG	AA	AA	INTERGENIC		
SNP_67049B_106812	scaffold1630	NW_004516781.1	106812	GG	AA	AA	INTERGENIC		
SNP_67050B_106827	scaffold1630	NW_004516781.1	106827	CC	TT	TT	INTERGENIC		
SNP_67051B_106838	scaffold1630	NW_004516781.1	106838	TT	GG	GG	INTERGENIC		
SNP_67052B_106906	scaffold1630	NW_004516781.1	106906	AA	CC	CC	INTERGENIC		
SNP_67053B_107815	scaffold1630	NW_004516781.1	107815	AA	TT	TT	INTERGENIC		
SNP_67054B_110346	scaffold1630	NW_004516781.1	110346	TT	AA	AA	INTERGENIC		
SNP_67055B_113259	scaffold1630	NW_004516781.1	113259	AA	GG	GG	INTERGENIC		
SNP_67056B_120895	scaffold1630	NW_004516781.1	120895	GG	AA	AA	INTERGENIC		
SNP_67057B_121099	scaffold1630	NW_004516781.1	121099	TT	CC	CC	INTERGENIC		
SNP_67058B_136355	scaffold1630	NW_004516781.1	136355	GG	TT	TT	INTERGENIC		
SNP_67059B_136763	scaffold1630	NW_004516781.1	136763	GG	CC	CC	INTERGENIC		
SNP_67060B_136771	scaffold1630	NW_004516781.1	136771	TT	CC	CC	INTERGENIC		
SNP_67062B_121469	scaffold1631	NW_004516782.1	121469	GG	TT	TT	INTERGENIC		
SNP_67063B_170074	scaffold1631	NW_004516782.1	170074	GG	AA	AA	INTERGENIC		
SNP_67064B_230900	scaffold1631	NW_004516782.1	230900	TT	CC	CC	INTERGENIC		
SNP_67066B_26487	scaffold1632	NW_004516783.1	26487	TT	CC	CC	INTERGENIC		
SNP_67068B_15935	scaffold1633	NW_004516784.1	15935	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67069B_61866	scaffold1633	NW_004516784.1	61866	GG	AA	AA	DRR	101489940	serine/threonine-protein phosphatase 7 long form homolog
SNP_67070B_62124	scaffold1633	NW_004516784.1	62124	AA	GG	GG	DRR	101489940	serine/threonine-protein phosphatase 7 long form homolog
SNP_67071B_62189	scaffold1633	NW_004516784.1	62189	TT	CC	CC	DRR	101489940	serine/threonine-protein phosphatase 7 long form homolog
SNP_67072B_73192	scaffold1633	NW_004516784.1	73192	GG	AA	AA	INTERGENIC		
SNP_67073B_121876	scaffold1633	NW_004516784.1	121876	TT	CC	CC	INTERGENIC		
SNP_67074B_1259	scaffold1634	NW_004516785.1	1259	CC	TT	TT	INTERGENIC		
SNP_67075B_8585	scaffold1634	NW_004516785.1	8585	CC	AA	AA	INTERGENIC		
SNP_67076B_9495	scaffold1634	NW_004516785.1	9495	AA	TT	TT	INTERGENIC		
SNP_67077B_10302	scaffold1634	NW_004516785.1	10302	AA	CC	CC	INTERGENIC		
SNP_67078B_15447	scaffold1634	NW_004516785.1	15447	TT	CC	CC	INTERGENIC		
SNP_67079B_18780	scaffold1634	NW_004516785.1	18780	TT	CC	CC	INTERGENIC		
SNP_67081B_22002	scaffold1634	NW_004516785.1	22002	GG	CC	CC	INTERGENIC		
SNP_67082B_23557	scaffold1634	NW_004516785.1	23557	CC	TT	TT	INTERGENIC		
SNP_67083B_20312	scaffold1635	NW_004516786.1	20312	TT	CC	CC	INTERGENIC		
SNP_67084B_67687	scaffold1635	NW_004516786.1	67687	CC	TT	TT	INTERGENIC		
SNP_67085B_71853	scaffold1635	NW_004516786.1	71853	GG	TT	TT	INTERGENIC		
SNP_67086B_72076	scaffold1635	NW_004516786.1	72076	AA	GG	GG	INTERGENIC		
SNP_67087B_72086	scaffold1635	NW_004516786.1	72086	AA	TT	TT	INTERGENIC		
SNP_67089B_75133	scaffold1635	NW_004516786.1	75133	TT	CC	CC	INTERGENIC		
SNP_67090B_75222	scaffold1635	NW_004516786.1	75222	CC	TT	TT	INTERGENIC		
SNP_67091B_131096	scaffold1635	NW_004516786.1	131096	AA	CC	CC	INTERGENIC		
SNP_67092B_131484	scaffold1635	NW_004516786.1	131484	GG	AA	AA	INTERGENIC		
SNP_67093B_131494	scaffold1635	NW_004516786.1	131494	AA	TT	TT	INTERGENIC		
SNP_67094B_131496	scaffold1635	NW_004516786.1	131496	GG	TT	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67095B_131503	scaffold1635	NW_004516786.1	131503	TT	AA	AA	INTERGENIC		
SNP_67096B_131509	scaffold1635	NW_004516786.1	131509	CC	TT	TT	INTERGENIC		
SNP_67097B_131514	scaffold1635	NW_004516786.1	131514	GG	TT	TT	INTERGENIC		
SNP_67098B_131543	scaffold1635	NW_004516786.1	131543	AA	TT	TT	INTERGENIC		
SNP_67099B_131560	scaffold1635	NW_004516786.1	131560	CC	GG	GG	INTERGENIC		
SNP_67100B_131571	scaffold1635	NW_004516786.1	131571	TT	CC	CC	INTERGENIC		
SNP_67101B_131590	scaffold1635	NW_004516786.1	131590	AA	CC	CC	INTERGENIC		
SNP_67102B_131627	scaffold1635	NW_004516786.1	131627	TT	CC	CC	INTERGENIC		
SNP_67103B_131629	scaffold1635	NW_004516786.1	131629	GG	TT	TT	INTERGENIC		
SNP_67104B_131691	scaffold1635	NW_004516786.1	131691	TT	AA	AA	INTERGENIC		
SNP_67105B_131703	scaffold1635	NW_004516786.1	131703	TT	CC	CC	INTERGENIC		
SNP_67106B_131710	scaffold1635	NW_004516786.1	131710	AA	CC	CC	INTERGENIC		
SNP_67107B_131760	scaffold1635	NW_004516786.1	131760	AA	CC	CC	INTERGENIC		
SNP_67108B_131782	scaffold1635	NW_004516786.1	131782	GG	CC	CC	INTERGENIC		
SNP_67109B_133239	scaffold1635	NW_004516786.1	133239	CC	AA	AA	INTERGENIC		
SNP_67110B_1243	scaffold1637	NW_004516787.1	1243	AA	GG	GG	INTERGENIC		
SNP_67112B_46227	scaffold1638	NW_004516788.1	46227	GG	TT	TT	INTERGENIC		
SNP_67113B_54648	scaffold1638	NW_004516788.1	54648	AA	GG	GG	INTERGENIC		
SNP_67114B_54747	scaffold1638	NW_004516788.1	54747	AA	GG	GG	INTERGENIC		
SNP_67115B_54757	scaffold1638	NW_004516788.1	54757	TT	CC	CC	INTERGENIC		
SNP_67116B_54802	scaffold1638	NW_004516788.1	54802	AA	GG	GG	INTERGENIC		
SNP_67117B_54852	scaffold1638	NW_004516788.1	54852	TT	AA	AA	INTERGENIC		
SNP_67118B_54937	scaffold1638	NW_004516788.1	54937	TT	CC	CC	INTERGENIC		
SNP_67119B_68653	scaffold1638	NW_004516788.1	68653	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67120B_72075	scaffold1638	NW_004516788.1	72075	GG	TT	TT	INTERGENIC		
SNP_67121B_1483	scaffold1643	NW_004516792.1	1483	TT	CC	CC	INTERGENIC		
SNP_67122B_1509	scaffold1643	NW_004516792.1	1509	CC	TT	TT	INTERGENIC		
SNP_67123B_4719	scaffold1643	NW_004516792.1	4719	AA	GG	GG	INTERGENIC		
SNP_67125B_5412	scaffold1643	NW_004516792.1	5412	CC	TT	TT	DRR	101492194	B3 domain-containing protein At3g25182-like
SNP_67126B_5442	scaffold1643	NW_004516792.1	5442	AA	GG	GG	DRR	101492194	B3 domain-containing protein At3g25182-like
SNP_67127B_7499	scaffold1643	NW_004516792.1	7499	TT	CC	CC	URR	101492194	B3 domain-containing protein At3g25182-like
SNP_67128B_15634	scaffold1643	NW_004516792.1	15634	AA	GG	GG	INTERGENIC		
SNP_67129B_15642	scaffold1643	NW_004516792.1	15642	TT	AA	AA	INTERGENIC		
SNP_67130B_15648	scaffold1643	NW_004516792.1	15648	AA	CC	CC	INTERGENIC		
SNP_67131B_15675	scaffold1643	NW_004516792.1	15675	AA	TT	TT	INTERGENIC		
SNP_67132B_15680	scaffold1643	NW_004516792.1	15680	GG	AA	AA	INTERGENIC		
SNP_67133B_15827	scaffold1643	NW_004516792.1	15827	GG	CC	CC	INTERGENIC		
SNP_67134B_16479	scaffold1643	NW_004516792.1	16479	AA	TT	TT	INTERGENIC		
SNP_67135B_16552	scaffold1643	NW_004516792.1	16552	TT	AA	AA	INTERGENIC		
SNP_67136B_16558	scaffold1643	NW_004516792.1	16558	AA	TT	TT	INTERGENIC		
SNP_67137B_16560	scaffold1643	NW_004516792.1	16560	AA	TT	TT	INTERGENIC		
SNP_67138B_156117	scaffold1643	NW_004516792.1	156117	TT	CC	CC	INTERGENIC		
SNP_67140B_161327	scaffold1643	NW_004516792.1	161327	GG	AA	AA	INTERGENIC		
SNP_67142B_163893	scaffold1643	NW_004516792.1	163893	GG	AA	AA	INTERGENIC		
SNP_67143B_164736	scaffold1643	NW_004516792.1	164736	TT	CC	CC	INTERGENIC		
SNP_67144B_164812	scaffold1643	NW_004516792.1	164812	CC	TT	TT	INTERGENIC		
SNP_67145B_165289	scaffold1643	NW_004516792.1	165289	CC	TT	TT	INTERGENIC		
SNP_67146B_165562	scaffold1643	NW_004516792.1	165562	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67147B_166370	scaffold1643	NW_004516792.1	166370	GG	AA	AA	INTERGENIC		
SNP_67149B_166961	scaffold1643	NW_004516792.1	166961	TT	AA	AA	INTERGENIC		
SNP_67150B_166984	scaffold1643	NW_004516792.1	166984	AA	TT	TT	INTERGENIC		
SNP_67151B_167002	scaffold1643	NW_004516792.1	167002	AA	CC	CC	INTERGENIC		
SNP_67152B_167116	scaffold1643	NW_004516792.1	167116	GG	AA	AA	INTERGENIC		
SNP_67153B_167336	scaffold1643	NW_004516792.1	167336	TT	CC	CC	INTERGENIC		
SNP_67154B_167347	scaffold1643	NW_004516792.1	167347	GG	AA	AA	INTERGENIC		
SNP_67155B_167375	scaffold1643	NW_004516792.1	167375	AA	GG	GG	INTERGENIC		
SNP_67156B_167395	scaffold1643	NW_004516792.1	167395	AA	GG	GG	INTERGENIC		
SNP_67157B_167419	scaffold1643	NW_004516792.1	167419	TT	CC	CC	INTERGENIC		
SNP_67158B_167454	scaffold1643	NW_004516792.1	167454	CC	AA	AA	INTERGENIC		
SNP_67159B_167478	scaffold1643	NW_004516792.1	167478	GG	AA	AA	INTERGENIC		
SNP_67160B_167511	scaffold1643	NW_004516792.1	167511	CC	TT	TT	INTERGENIC		
SNP_67161B_167548	scaffold1643	NW_004516792.1	167548	AA	GG	GG	INTERGENIC		
SNP_67162B_167549	scaffold1643	NW_004516792.1	167549	CC	TT	TT	INTERGENIC		
SNP_67163B_167550	scaffold1643	NW_004516792.1	167550	GG	AA	AA	INTERGENIC		
SNP_67164B_167584	scaffold1643	NW_004516792.1	167584	CC	AA	AA	INTERGENIC		
SNP_67165B_167638	scaffold1643	NW_004516792.1	167638	TT	AA	AA	INTERGENIC		
SNP_67166B_167656	scaffold1643	NW_004516792.1	167656	GG	AA	AA	INTERGENIC		
SNP_67167B_167659	scaffold1643	NW_004516792.1	167659	GG	AA	AA	INTERGENIC		
SNP_67168B_167766	scaffold1643	NW_004516792.1	167766	TT	AA	AA	INTERGENIC		
SNP_67170B_169482	scaffold1643	NW_004516792.1	169482	GG	AA	AA	DRR	101494460	probable pectinesterase 55
SNP_67171B_169501	scaffold1643	NW_004516792.1	169501	GG	TT	TT	DRR	101494460	probable pectinesterase 55
SNP_67172B_169558	scaffold1643	NW_004516792.1	169558	CC	TT	TT	DRR	101494460	probable pectinesterase 55

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67173B_170473	scaffold1643	NW_004516792.1	170473	TT	AA	AA	INTRON	101494460	probable pectinesterase 55
SNP_67174B_170474	scaffold1643	NW_004516792.1	170474	TT	AA	AA	INTRON	101494460	probable pectinesterase 55
SNP_67175B_170986	scaffold1643	NW_004516792.1	170986	CC	TT	TT	NON_SYNONYMOUS_CODING	101494460	probable pectinesterase 55
SNP_67177B_171701	scaffold1643	NW_004516792.1	171701	TT	CC	CC	INTRON	101494460	probable pectinesterase 55
SNP_67178B_171703	scaffold1643	NW_004516792.1	171703	CC	TT	TT	INTRON	101494460	probable pectinesterase 55
SNP_67179B_171864	scaffold1643	NW_004516792.1	171864	CC	TT	TT	SYNONYMOUS_CODING	101494460	probable pectinesterase 55
SNP_67180B_171915	scaffold1643	NW_004516792.1	171915	CC	TT	TT	SYNONYMOUS_CODING	101494460	probable pectinesterase 55
SNP_67181B_172001	scaffold1643	NW_004516792.1	172001	TT	AA	AA	INTRON	101494460	probable pectinesterase 55
SNP_67182B_172037	scaffold1643	NW_004516792.1	172037	CC	TT	TT	INTRON	101494460	probable pectinesterase 55
SNP_67183B_172294	scaffold1643	NW_004516792.1	172294	CC	AA	AA	INTRON	101494460	probable pectinesterase 55
SNP_67184B_180898	scaffold1643	NW_004516792.1	180898	CC	TT	TT	SYNONYMOUS_CODING	101494460	probable pectinesterase 55
SNP_67185B_180916	scaffold1643	NW_004516792.1	180916	TT	CC	CC	URR	101494460	probable pectinesterase 55
SNP_67186B_180924	scaffold1643	NW_004516792.1	180924	TT	CC	CC	URR	101494460	probable pectinesterase 55
SNP_67188B_181071	scaffold1643	NW_004516792.1	181071	GG	CC	CC	URR	101494460	probable pectinesterase 55
SNP_67189B_181151	scaffold1643	NW_004516792.1	181151	AA	CC	CC	URR	101494460	probable pectinesterase 55
SNP_67190B_181164	scaffold1643	NW_004516792.1	181164	GG	AA	AA	URR	101494460	probable pectinesterase 55
SNP_67191B_181333	scaffold1643	NW_004516792.1	181333	TT	GG	GG	URR	101494460	probable pectinesterase 55
SNP_67192B_181385	scaffold1643	NW_004516792.1	181385	GG	AA	AA	URR	101494460	probable pectinesterase 55
SNP_67193B_181447	scaffold1643	NW_004516792.1	181447	CC	TT	TT	URR	101494460	probable pectinesterase 55
SNP_67194B_183362	scaffold1643	NW_004516792.1	183362	TT	CC	CC	INTERGENIC		
SNP_67195B_183382	scaffold1643	NW_004516792.1	183382	TT	CC	CC	INTERGENIC		
SNP_67196B_187337	scaffold1643	NW_004516792.1	187337	AA	TT	TT	INTERGENIC		
SNP_67197B_187405	scaffold1643	NW_004516792.1	187405	CC	TT	TT	INTERGENIC		
SNP_67198B_187437	scaffold1643	NW_004516792.1	187437	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67199B_189698	scaffold1643	NW_004516792.1	189698	TT	AA	AA	INTERGENIC		
SNP_67200B_189978	scaffold1643	NW_004516792.1	189978	CC	AA	AA	INTERGENIC		
SNP_67201B_190007	scaffold1643	NW_004516792.1	190007	AA	GG	GG	INTERGENIC		
SNP_67202B_190030	scaffold1643	NW_004516792.1	190030	CC	GG	GG	INTERGENIC		
SNP_67203B_190075	scaffold1643	NW_004516792.1	190075	GG	AA	AA	INTERGENIC		
SNP_67204B_190330	scaffold1643	NW_004516792.1	190330	GG	AA	AA	INTERGENIC		
SNP_67205B_190413	scaffold1643	NW_004516792.1	190413	AA	CC	CC	INTERGENIC		
SNP_67206B_190520	scaffold1643	NW_004516792.1	190520	AA	TT	TT	INTERGENIC		
SNP_67207B_190537	scaffold1643	NW_004516792.1	190537	AA	CC	CC	INTERGENIC		
SNP_67208B_190596	scaffold1643	NW_004516792.1	190596	AA	CC	CC	INTERGENIC		
SNP_67209B_190655	scaffold1643	NW_004516792.1	190655	AA	GG	GG	INTERGENIC		
SNP_67210B_190743	scaffold1643	NW_004516792.1	190743	TT	AA	AA	INTERGENIC		
SNP_67212B_192975	scaffold1643	NW_004516792.1	192975	CC	TT	TT	INTERGENIC		
SNP_67213B_192978	scaffold1643	NW_004516792.1	192978	TT	CC	CC	INTERGENIC		
SNP_67214B_193108	scaffold1643	NW_004516792.1	193108	GG	AA	AA	INTERGENIC		
SNP_67215B_193189	scaffold1643	NW_004516792.1	193189	CC	AA	AA	INTERGENIC		
SNP_67216B_193193	scaffold1643	NW_004516792.1	193193	CC	AA	AA	INTERGENIC		
SNP_67217B_193211	scaffold1643	NW_004516792.1	193211	CC	TT	TT	INTERGENIC		
SNP_67218B_193219	scaffold1643	NW_004516792.1	193219	GG	CC	CC	INTERGENIC		
SNP_67219B_193220	scaffold1643	NW_004516792.1	193220	AA	CC	CC	INTERGENIC		
SNP_67220B_193256	scaffold1643	NW_004516792.1	193256	AA	GG	GG	INTERGENIC		
SNP_67221B_193308	scaffold1643	NW_004516792.1	193308	CC	TT	TT	INTERGENIC		
SNP_67222B_201063	scaffold1643	NW_004516792.1	201063	GG	AA	AA	INTERGENIC		
SNP_67223B_201132	scaffold1643	NW_004516792.1	201132	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67224B_201177	scaffold1643	NW_004516792.1	201177	AA	GG	GG	INTERGENIC		
SNP_67225B_201267	scaffold1643	NW_004516792.1	201267	TT	CC	CC	INTERGENIC		
SNP_67226B_201277	scaffold1643	NW_004516792.1	201277	TT	CC	CC	INTERGENIC		
SNP_67227B_201308	scaffold1643	NW_004516792.1	201308	AA	GG	GG	INTERGENIC		
SNP_67228B_201337	scaffold1643	NW_004516792.1	201337	CC	GG	GG	INTERGENIC		
SNP_67229B_201340	scaffold1643	NW_004516792.1	201340	CC	TT	TT	INTERGENIC		
SNP_67230B_201365	scaffold1643	NW_004516792.1	201365	CC	TT	TT	INTERGENIC		
SNP_67231B_201373	scaffold1643	NW_004516792.1	201373	TT	CC	CC	INTERGENIC		
SNP_67232B_201378	scaffold1643	NW_004516792.1	201378	TT	CC	CC	INTERGENIC		
SNP_67233B_201387	scaffold1643	NW_004516792.1	201387	CC	TT	TT	INTERGENIC		
SNP_67234B_201412	scaffold1643	NW_004516792.1	201412	CC	GG	GG	INTERGENIC		
SNP_67235B_201467	scaffold1643	NW_004516792.1	201467	AA	GG	GG	INTERGENIC		
SNP_67236B_201482	scaffold1643	NW_004516792.1	201482	GG	CC	CC	INTERGENIC		
SNP_67237B_206836	scaffold1643	NW_004516792.1	206836	AA	TT	TT	INTERGENIC		
SNP_67238B_206996	scaffold1643	NW_004516792.1	206996	CC	TT	TT	INTERGENIC		
SNP_67239B_207305	scaffold1643	NW_004516792.1	207305	TT	CC	CC	INTERGENIC		
SNP_67240B_207828	scaffold1643	NW_004516792.1	207828	GG	AA	AA	INTERGENIC		
SNP_67241B_207859	scaffold1643	NW_004516792.1	207859	GG	AA	AA	INTERGENIC		
SNP_67242B_208010	scaffold1643	NW_004516792.1	208010	GG	AA	AA	INTERGENIC		
SNP_67243B_208403	scaffold1643	NW_004516792.1	208403	AA	TT	TT	INTERGENIC		
SNP_67244B_208431	scaffold1643	NW_004516792.1	208431	CC	AA	AA	INTERGENIC		
SNP_67245B_208435	scaffold1643	NW_004516792.1	208435	AA	CC	CC	INTERGENIC		
SNP_67246B_208436	scaffold1643	NW_004516792.1	208436	AA	TT	TT	INTERGENIC		
SNP_67247B_208457	scaffold1643	NW_004516792.1	208457	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67248B_208470	scaffold1643	NW_004516792.1	208470	AA	TT	TT	INTERGENIC		
SNP_67249B_209385	scaffold1643	NW_004516792.1	209385	CC	GG	GG	INTERGENIC		
SNP_67250B_209452	scaffold1643	NW_004516792.1	209452	TT	AA	AA	INTERGENIC		
SNP_67251B_209878	scaffold1643	NW_004516792.1	209878	CC	TT	TT	INTERGENIC		
SNP_67252B_210161	scaffold1643	NW_004516792.1	210161	TT	AA	AA	INTERGENIC		
SNP_67253B_210213	scaffold1643	NW_004516792.1	210213	AA	GG	GG	INTERGENIC		
SNP_67254B_210234	scaffold1643	NW_004516792.1	210234	TT	CC	CC	INTERGENIC		
SNP_67255B_210242	scaffold1643	NW_004516792.1	210242	TT	AA	AA	INTERGENIC		
SNP_67256B_210260	scaffold1643	NW_004516792.1	210260	AA	TT	TT	INTERGENIC		
SNP_67257B_210279	scaffold1643	NW_004516792.1	210279	GG	AA	AA	INTERGENIC		
SNP_67258B_210301	scaffold1643	NW_004516792.1	210301	TT	AA	AA	INTERGENIC		
SNP_67259B_210309	scaffold1643	NW_004516792.1	210309	TT	AA	AA	INTERGENIC		
SNP_67261B_210515	scaffold1643	NW_004516792.1	210515	TT	CC	CC	INTERGENIC		
SNP_67262B_210516	scaffold1643	NW_004516792.1	210516	GG	TT	TT	INTERGENIC		
SNP_67265B_210727	scaffold1643	NW_004516792.1	210727	GG	AA	AA	INTERGENIC		
SNP_67266B_210784	scaffold1643	NW_004516792.1	210784	TT	CC	CC	INTERGENIC		
SNP_67267B_210872	scaffold1643	NW_004516792.1	210872	TT	CC	CC	INTERGENIC		
SNP_67268B_210914	scaffold1643	NW_004516792.1	210914	TT	AA	AA	INTERGENIC		
SNP_67269B_210932	scaffold1643	NW_004516792.1	210932	AA	CC	CC	INTERGENIC		
SNP_67270B_210976	scaffold1643	NW_004516792.1	210976	TT	AA	AA	INTERGENIC		
SNP_67272B_211057	scaffold1643	NW_004516792.1	211057	TT	AA	AA	INTERGENIC		
SNP_67274B_211113	scaffold1643	NW_004516792.1	211113	CC	AA	AA	INTERGENIC		
SNP_67275B_211176	scaffold1643	NW_004516792.1	211176	TT	CC	CC	INTERGENIC		
SNP_67276B_211191	scaffold1643	NW_004516792.1	211191	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67277B_211346	scaffold1643	NW_004516792.1	211346	TT	AA	AA	INTERGENIC		
SNP_67278B_211354	scaffold1643	NW_004516792.1	211354	CC	AA	AA	INTERGENIC		
SNP_67279B_213227	scaffold1643	NW_004516792.1	213227	AA	TT	TT	INTERGENIC		
SNP_67280B_213915	scaffold1643	NW_004516792.1	213915	GG	CC	CC	INTERGENIC		
SNP_67282B_215033	scaffold1643	NW_004516792.1	215033	GG	AA	AA	INTERGENIC		
SNP_67283B_215158	scaffold1643	NW_004516792.1	215158	GG	AA	AA	INTERGENIC		
SNP_67284B_215240	scaffold1643	NW_004516792.1	215240	CC	TT	TT	INTERGENIC		
SNP_67285B_4732	scaffold1644	NW_004516793.1	4732	CC	TT	TT	INTERGENIC		
SNP_67286B_10075	scaffold1644	NW_004516793.1	10075	GG	AA	AA	INTERGENIC		
SNP_67287B_10079	scaffold1644	NW_004516793.1	10079	GG	AA	AA	INTERGENIC		
SNP_67288B_10082	scaffold1644	NW_004516793.1	10082	TT	CC	CC	INTERGENIC		
SNP_67289B_10092	scaffold1644	NW_004516793.1	10092	TT	CC	CC	INTERGENIC		
SNP_67290B_10147	scaffold1644	NW_004516793.1	10147	AA	GG	GG	INTERGENIC		
SNP_67291B_10498	scaffold1644	NW_004516793.1	10498	AA	GG	GG	INTERGENIC		
SNP_67292B_10551	scaffold1644	NW_004516793.1	10551	AA	TT	TT	INTERGENIC		
SNP_67293B_17672	scaffold1649	NW_004516795.1	17672	TT	AA	AA	INTERGENIC		
SNP_67294B_182	scaffold1651	NW_004516797.1	182	AA	CC	CC	INTERGENIC		
SNP_67295B_4184	scaffold1651	NW_004516797.1	4184	AA	GG	GG	INTERGENIC		
SNP_67296B_4289	scaffold1651	NW_004516797.1	4289	GG	AA	AA	INTERGENIC		
SNP_67297B_4485	scaffold1651	NW_004516797.1	4485	TT	CC	CC	INTERGENIC		
SNP_67298B_4525	scaffold1651	NW_004516797.1	4525	AA	TT	TT	INTERGENIC		
SNP_67299B_4665	scaffold1651	NW_004516797.1	4665	TT	CC	CC	INTERGENIC		
SNP_67300B_4675	scaffold1651	NW_004516797.1	4675	GG	AA	AA	INTERGENIC		
SNP_67301B_4809	scaffold1651	NW_004516797.1	4809	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67302B_5085	scaffold1651	NW_004516797.1	5085	TT	GG	GG	INTERGENIC		
SNP_67304B_5171	scaffold1651	NW_004516797.1	5171	CC	TT	TT	INTERGENIC		
SNP_67305B_5265	scaffold1651	NW_004516797.1	5265	GG	AA	AA	INTERGENIC		
SNP_67306B_5441	scaffold1651	NW_004516797.1	5441	TT	CC	CC	INTERGENIC		
SNP_67307B_6152	scaffold1651	NW_004516797.1	6152	TT	CC	CC	INTERGENIC		
SNP_67308B_6223	scaffold1651	NW_004516797.1	6223	TT	CC	CC	INTERGENIC		
SNP_67309B_6549	scaffold1651	NW_004516797.1	6549	GG	AA	AA	INTERGENIC		
SNP_67310B_6999	scaffold1651	NW_004516797.1	6999	TT	CC	GG	INTERGENIC		
SNP_67311B_7087	scaffold1651	NW_004516797.1	7087	AA	TT	TT	INTERGENIC		
SNP_67312B_7151	scaffold1651	NW_004516797.1	7151	CC	AA	AA	INTERGENIC		
SNP_67313B_7212	scaffold1651	NW_004516797.1	7212	AA	GG	GG	INTERGENIC		
SNP_67314B_7376	scaffold1651	NW_004516797.1	7376	TT	CC	CC	INTERGENIC		
SNP_67315B_7440	scaffold1651	NW_004516797.1	7440	GG	TT	TT	INTERGENIC		
SNP_67316B_7558	scaffold1651	NW_004516797.1	7558	AA	GG	GG	INTERGENIC		
SNP_67317B_7638	scaffold1651	NW_004516797.1	7638	GG	AA	AA	INTERGENIC		
SNP_67318B_7707	scaffold1651	NW_004516797.1	7707	AA	CC	CC	INTERGENIC		
SNP_67319B_9081	scaffold1651	NW_004516797.1	9081	GG	AA	AA	INTERGENIC		
SNP_67320B_9085	scaffold1651	NW_004516797.1	9085	GG	TT	TT	INTERGENIC		
SNP_67321B_9305	scaffold1651	NW_004516797.1	9305	TT	CC	CC	INTERGENIC		
SNP_67322B_9323	scaffold1651	NW_004516797.1	9323	TT	GG	GG	INTERGENIC		
SNP_67323B_9331	scaffold1651	NW_004516797.1	9331	GG	TT	TT	INTERGENIC		
SNP_67324B_9343	scaffold1651	NW_004516797.1	9343	AA	CC	CC	INTERGENIC		
SNP_67325B_9353	scaffold1651	NW_004516797.1	9353	TT	GG	GG	INTERGENIC		
SNP_67326B_9452	scaffold1651	NW_004516797.1	9452	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67327B_9771	scaffold1651	NW_004516797.1	9771	GG	AA	AA	INTERGENIC		
SNP_67328B_9813	scaffold1651	NW_004516797.1	9813	GG	AA	AA	INTERGENIC		
SNP_67329B_10057	scaffold1651	NW_004516797.1	10057	GG	AA	AA	INTERGENIC		
SNP_67330B_10086	scaffold1651	NW_004516797.1	10086	CC	AA	AA	INTERGENIC		
SNP_67331B_10258	scaffold1651	NW_004516797.1	10258	TT	CC	CC	INTERGENIC		
SNP_67332B_10314	scaffold1651	NW_004516797.1	10314	AA	GG	GG	INTERGENIC		
SNP_67333B_10362	scaffold1651	NW_004516797.1	10362	GG	AA	AA	INTERGENIC		
SNP_67334B_10400	scaffold1651	NW_004516797.1	10400	AA	GG	GG	INTERGENIC		
SNP_67335B_10429	scaffold1651	NW_004516797.1	10429	CC	TT	TT	INTERGENIC		
SNP_67336B_10503	scaffold1651	NW_004516797.1	10503	GG	AA	AA	INTERGENIC		
SNP_67337B_10603	scaffold1651	NW_004516797.1	10603	GG	TT	TT	INTERGENIC		
SNP_67338B_10836	scaffold1651	NW_004516797.1	10836	GG	AA	AA	INTERGENIC		
SNP_67339B_10841	scaffold1651	NW_004516797.1	10841	CC	TT	TT	INTERGENIC		
SNP_67340B_10882	scaffold1651	NW_004516797.1	10882	CC	TT	TT	INTERGENIC		
SNP_67341B_11014	scaffold1651	NW_004516797.1	11014	AA	TT	TT	INTERGENIC		
SNP_67342B_11033	scaffold1651	NW_004516797.1	11033	AA	GG	GG	INTERGENIC		
SNP_67343B_11042	scaffold1651	NW_004516797.1	11042	GG	AA	AA	INTERGENIC		
SNP_67344B_11047	scaffold1651	NW_004516797.1	11047	GG	AA	AA	INTERGENIC		
SNP_67345B_11081	scaffold1651	NW_004516797.1	11081	TT	GG	GG	INTERGENIC		
SNP_67346B_11082	scaffold1651	NW_004516797.1	11082	CC	TT	TT	INTERGENIC		
SNP_67347B_11155	scaffold1651	NW_004516797.1	11155	CC	TT	TT	INTERGENIC		
SNP_67348B_11219	scaffold1651	NW_004516797.1	11219	CC	TT	TT	INTERGENIC		
SNP_67349B_11242	scaffold1651	NW_004516797.1	11242	TT	CC	CC	INTERGENIC		
SNP_67350B_11463	scaffold1651	NW_004516797.1	11463	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67351B_11486	scaffold1651	NW_004516797.1	11486	TT	CC	CC	INTERGENIC		
SNP_67352B_11490	scaffold1651	NW_004516797.1	11490	GG	TT	TT	INTERGENIC		
SNP_67353B_11572	scaffold1651	NW_004516797.1	11572	AA	GG	GG	INTERGENIC		
SNP_67354B_11638	scaffold1651	NW_004516797.1	11638	AA	GG	GG	INTERGENIC		
SNP_67355B_11648	scaffold1651	NW_004516797.1	11648	GG	TT	TT	INTERGENIC		
SNP_67356B_11829	scaffold1651	NW_004516797.1	11829	AA	GG	GG	INTERGENIC		
SNP_67357B_12084	scaffold1651	NW_004516797.1	12084	CC	TT	TT	INTERGENIC		
SNP_67358B_12256	scaffold1651	NW_004516797.1	12256	CC	TT	TT	INTERGENIC		
SNP_67359B_12261	scaffold1651	NW_004516797.1	12261	TT	CC	CC	INTERGENIC		
SNP_67360B_12323	scaffold1651	NW_004516797.1	12323	CC	TT	TT	INTERGENIC		
SNP_67361B_12330	scaffold1651	NW_004516797.1	12330	CC	TT	TT	INTERGENIC		
SNP_67362B_12337	scaffold1651	NW_004516797.1	12337	AA	GG	GG	INTERGENIC		
SNP_67364B_13043	scaffold1651	NW_004516797.1	13043	TT	CC	CC	INTERGENIC		
SNP_67365B_13097	scaffold1651	NW_004516797.1	13097	AA	TT	TT	INTERGENIC		
SNP_67366B_13161	scaffold1651	NW_004516797.1	13161	CC	TT	TT	INTERGENIC		
SNP_67367B_13209	scaffold1651	NW_004516797.1	13209	GG	AA	AA	INTERGENIC		
SNP_67369B_13454	scaffold1651	NW_004516797.1	13454	AA	CC	CC	INTERGENIC		
SNP_67370B_13462	scaffold1651	NW_004516797.1	13462	CC	TT	TT	INTERGENIC		
SNP_67372B_13627	scaffold1651	NW_004516797.1	13627	AA	GG	GG	INTERGENIC		
SNP_67373B_13644	scaffold1651	NW_004516797.1	13644	CC	AA	AA	INTERGENIC		
SNP_67374B_13668	scaffold1651	NW_004516797.1	13668	AA	TT	TT	INTERGENIC		
SNP_67375B_13679	scaffold1651	NW_004516797.1	13679	GG	AA	AA	INTERGENIC		
SNP_67376B_13694	scaffold1651	NW_004516797.1	13694	AA	GG	GG	INTERGENIC		
SNP_67377B_13843	scaffold1651	NW_004516797.1	13843	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67378B_13891	scaffold1651	NW_004516797.1	13891	TT	AA	AA	INTERGENIC		
SNP_67379B_14049	scaffold1651	NW_004516797.1	14049	AA	CC	CC	INTERGENIC		
SNP_67380B_14177	scaffold1651	NW_004516797.1	14177	GG	TT	TT	INTERGENIC		
SNP_67382B_14358	scaffold1651	NW_004516797.1	14358	GG	AA	AA	INTERGENIC		
SNP_67383B_14585	scaffold1651	NW_004516797.1	14585	AA	CC	CC	INTERGENIC		
SNP_67384B_14639	scaffold1651	NW_004516797.1	14639	CC	AA	AA	INTERGENIC		
SNP_67385B_14813	scaffold1651	NW_004516797.1	14813	AA	CC	CC	INTERGENIC		
SNP_67386B_14919	scaffold1651	NW_004516797.1	14919	GG	AA	AA	INTERGENIC		
SNP_67387B_14967	scaffold1651	NW_004516797.1	14967	TT	CC	CC	INTERGENIC		
SNP_67388B_16101	scaffold1651	NW_004516797.1	16101	CC	TT	TT	INTERGENIC		
SNP_67389B_16191	scaffold1651	NW_004516797.1	16191	AA	GG	GG	INTERGENIC		
SNP_67392B_16690	scaffold1651	NW_004516797.1	16690	TT	GG	GG	INTERGENIC		
SNP_67393B_16784	scaffold1651	NW_004516797.1	16784	AA	GG	GG	INTERGENIC		
SNP_67395B_16872	scaffold1651	NW_004516797.1	16872	GG	AA	AA	INTERGENIC		
SNP_67397B_17291	scaffold1651	NW_004516797.1	17291	GG	AA	AA	INTERGENIC		
SNP_67398B_17314	scaffold1651	NW_004516797.1	17314	CC	GG	GG	INTERGENIC		
SNP_67399B_17352	scaffold1651	NW_004516797.1	17352	CC	TT	TT	INTERGENIC		
SNP_67400B_17497	scaffold1651	NW_004516797.1	17497	CC	TT	TT	INTERGENIC		
SNP_67402B_17739	scaffold1651	NW_004516797.1	17739	GG	AA	AA	INTERGENIC		
SNP_67404B_18310	scaffold1651	NW_004516797.1	18310	GG	AA	AA	INTERGENIC		
SNP_67405B_18415	scaffold1651	NW_004516797.1	18415	TT	CC	CC	INTERGENIC		
SNP_67406B_18477	scaffold1651	NW_004516797.1	18477	CC	TT	TT	INTERGENIC		
SNP_67408B_18579	scaffold1651	NW_004516797.1	18579	GG	CC	CC	INTERGENIC		
SNP_67409B_18614	scaffold1651	NW_004516797.1	18614	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67410B_18754	scaffold1651	NW_004516797.1	18754	TT	CC	CC	INTERGENIC		
SNP_67411B_18759	scaffold1651	NW_004516797.1	18759	GG	AA	AA	INTERGENIC		
SNP_67412B_18795	scaffold1651	NW_004516797.1	18795	TT	AA	AA	INTERGENIC		
SNP_67413B_18813	scaffold1651	NW_004516797.1	18813	GG	TT	TT	INTERGENIC		
SNP_67415B_19021	scaffold1651	NW_004516797.1	19021	TT	CC	CC	INTERGENIC		
SNP_67416B_19817	scaffold1651	NW_004516797.1	19817	AA	TT	TT	INTERGENIC		
SNP_67417B_19854	scaffold1651	NW_004516797.1	19854	AA	GG	GG	INTERGENIC		
SNP_67418B_20099	scaffold1651	NW_004516797.1	20099	CC	TT	TT	INTERGENIC		
SNP_67419B_20104	scaffold1651	NW_004516797.1	20104	AA	TT	TT	INTERGENIC		
SNP_67420B_20253	scaffold1651	NW_004516797.1	20253	GG	TT	TT	INTERGENIC		
SNP_67421B_20382	scaffold1651	NW_004516797.1	20382	CC	TT	TT	INTERGENIC		
SNP_67422B_20709	scaffold1651	NW_004516797.1	20709	AA	GG	GG	INTERGENIC		
SNP_67423B_22607	scaffold1651	NW_004516797.1	22607	TT	CC	CC	INTERGENIC		
SNP_67424B_22608	scaffold1651	NW_004516797.1	22608	TT	CC	CC	INTERGENIC		
SNP_67425B_23019	scaffold1651	NW_004516797.1	23019	TT	CC	CC	INTERGENIC		
SNP_67426B_23064	scaffold1651	NW_004516797.1	23064	GG	AA	AA	INTERGENIC		
SNP_67427B_30471	scaffold1651	NW_004516797.1	30471	GG	AA	AA	INTERGENIC		
SNP_67428B_30934	scaffold1651	NW_004516797.1	30934	CC	TT	TT	INTERGENIC		
SNP_67429B_31077	scaffold1651	NW_004516797.1	31077	GG	AA	AA	INTERGENIC		
SNP_67430B_31081	scaffold1651	NW_004516797.1	31081	TT	CC	CC	INTERGENIC		
SNP_67431B_31137	scaffold1651	NW_004516797.1	31137	AA	GG	GG	INTERGENIC		
SNP_67432B_31271	scaffold1651	NW_004516797.1	31271	GG	CC	CC	INTERGENIC		
SNP_67433B_31348	scaffold1651	NW_004516797.1	31348	CC	TT	TT	INTERGENIC		
SNP_67434B_31440	scaffold1651	NW_004516797.1	31440	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67435B_31441	scaffold1651	NW_004516797.1	31441	CC	TT	TT	INTERGENIC		
SNP_67436B_31470	scaffold1651	NW_004516797.1	31470	AA	GG	GG	INTERGENIC		
SNP_67437B_31530	scaffold1651	NW_004516797.1	31530	CC	TT	TT	INTERGENIC		
SNP_67438B_31546	scaffold1651	NW_004516797.1	31546	GG	AA	AA	INTERGENIC		
SNP_67439B_44332	scaffold1654	NW_004516799.1	44332	GG	AA	AA	INTERGENIC		
SNP_67440B_44436	scaffold1654	NW_004516799.1	44436	AA	TT	TT	INTERGENIC		
SNP_67441B_44673	scaffold1654	NW_004516799.1	44673	GG	AA	AA	INTERGENIC		
SNP_67442B_44873	scaffold1654	NW_004516799.1	44873	GG	AA	AA	INTERGENIC		
SNP_67443B_74254	scaffold1654	NW_004516799.1	74254	GG	TT	TT	INTERGENIC		
SNP_67444B_154	scaffold1657	NW_004516801.1	154	CC	TT	TT	INTERGENIC		
SNP_67445B_169	scaffold1657	NW_004516801.1	169	CC	TT	TT	INTERGENIC		
SNP_67446B_205	scaffold1657	NW_004516801.1	205	TT	CC	CC	INTERGENIC		
SNP_67447B_279	scaffold1657	NW_004516801.1	279	TT	CC	CC	INTERGENIC		
SNP_67448B_320	scaffold1657	NW_004516801.1	320	AA	GG	GG	INTERGENIC		
SNP_67449B_324	scaffold1657	NW_004516801.1	324	GG	AA	AA	INTERGENIC		
SNP_67450B_337	scaffold1657	NW_004516801.1	337	TT	AA	AA	INTERGENIC		
SNP_67451B_411	scaffold1657	NW_004516801.1	411	GG	CC	CC	INTERGENIC		
SNP_67452B_460	scaffold1657	NW_004516801.1	460	CC	AA	AA	INTERGENIC		
SNP_67453B_568	scaffold1657	NW_004516801.1	568	AA	GG	GG	INTERGENIC		
SNP_67454B_660	scaffold1657	NW_004516801.1	660	TT	AA	AA	INTERGENIC		
SNP_67455B_661	scaffold1657	NW_004516801.1	661	GG	TT	TT	INTERGENIC		
SNP_67456B_913	scaffold1657	NW_004516801.1	913	TT	CC	CC	INTERGENIC		
SNP_67457B_1030	scaffold1657	NW_004516801.1	1030	AA	GG	GG	INTERGENIC		
SNP_67458B_64	scaffold1659	NW_004516803.1	64	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67459B_99	scaffold1659	NW_004516803.1	99	GG	TT	TT	INTERGENIC		
SNP_67461B_157	scaffold1659	NW_004516803.1	157	GG	AA	AA	INTERGENIC		
SNP_67462B_453	scaffold1659	NW_004516803.1	453	TT	AA	AA	INTERGENIC		
SNP_67463B_565	scaffold1659	NW_004516803.1	565	TT	AA	AA	INTERGENIC		
SNP_67464B_702	scaffold1659	NW_004516803.1	702	TT	CC	CC	INTERGENIC		
SNP_67465B_1583	scaffold1659	NW_004516803.1	1583	TT	AA	AA	INTERGENIC		
SNP_67466B_2088	scaffold1659	NW_004516803.1	2088	GG	AA	AA	INTERGENIC		
SNP_67467B_2162	scaffold1659	NW_004516803.1	2162	TT	CC	CC	INTERGENIC		
SNP_67468B_2216	scaffold1659	NW_004516803.1	2216	GG	AA	AA	INTERGENIC		
SNP_67469B_2279	scaffold1659	NW_004516803.1	2279	CC	TT	TT	INTERGENIC		
SNP_67470B_2869	scaffold1659	NW_004516803.1	2869	GG	AA	AA	DRR	101498389	Unknown function
SNP_67471B_2925	scaffold1659	NW_004516803.1	2925	GG	AA	AA	DRR	101498389	Unknown function
SNP_67472B_3019	scaffold1659	NW_004516803.1	3019	AA	TT	TT	DRR	101498389	Unknown function
SNP_67473B_3371	scaffold1659	NW_004516803.1	3371	CC	GG	GG	DRR	101498389	Unknown function
SNP_67474B_3978	scaffold1659	NW_004516803.1	3978	CC	TT	TT	SYNONYMOUS_CODING	101498389	Unknown function
SNP_67475B_4832	scaffold1659	NW_004516803.1	4832	GG	AA	AA	URR	101498389	Unknown function
SNP_67476B_4902	scaffold1659	NW_004516803.1	4902	TT	CC	CC	URR	101498389	Unknown function
SNP_67477B_19768	scaffold1659	NW_004516803.1	19768	TT	CC	CC	INTERGENIC		
SNP_67478B_19786	scaffold1659	NW_004516803.1	19786	TT	CC	CC	INTERGENIC		
SNP_67479B_19830	scaffold1659	NW_004516803.1	19830	GG	AA	AA	INTERGENIC		
SNP_67480B_19874	scaffold1659	NW_004516803.1	19874	TT	AA	AA	INTERGENIC		
SNP_67481B_19940	scaffold1659	NW_004516803.1	19940	AA	GG	GG	INTERGENIC		
SNP_67483B_20029	scaffold1659	NW_004516803.1	20029	TT	GG	GG	INTERGENIC		
SNP_67484B_20075	scaffold1659	NW_004516803.1	20075	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67485B_20186	scaffold1659	NW_004516803.1	20186	TT	CC	CC	INTERGENIC		
SNP_67486B_20229	scaffold1659	NW_004516803.1	20229	AA	GG	GG	INTERGENIC		
SNP_67487B_20349	scaffold1659	NW_004516803.1	20349	GG	AA	AA	INTERGENIC		
SNP_67488B_20366	scaffold1659	NW_004516803.1	20366	AA	TT	TT	INTERGENIC		
SNP_67489B_20499	scaffold1659	NW_004516803.1	20499	TT	AA	AA	INTERGENIC		
SNP_67490B_21061	scaffold1659	NW_004516803.1	21061	AA	GG	GG	INTERGENIC		
SNP_67491B_21117	scaffold1659	NW_004516803.1	21117	GG	AA	AA	INTERGENIC		
SNP_67492B_21629	scaffold1659	NW_004516803.1	21629	CC	TT	TT	INTERGENIC		
SNP_67493B_21977	scaffold1659	NW_004516803.1	21977	GG	AA	AA	INTERGENIC		
SNP_67494B_81409	scaffold1659	NW_004516803.1	81409	GG	AA	AA	INTERGENIC		
SNP_67495B_96017	scaffold1659	NW_004516803.1	96017	AA	GG	GG	INTERGENIC		
SNP_67496B_96235	scaffold1659	NW_004516803.1	96235	TT	CC	CC	INTERGENIC		
SNP_67498B_105882	scaffold1659	NW_004516803.1	105882	AA	GG	GG	INTERGENIC		
SNP_67499B_123381	scaffold1659	NW_004516803.1	123381	CC	TT	TT	INTERGENIC		
SNP_67500B_172348	scaffold1659	NW_004516803.1	172348	AA	GG	GG	INTERGENIC		
SNP_67501B_172355	scaffold1659	NW_004516803.1	172355	GG	AA	AA	INTERGENIC		
SNP_67502B_217066	scaffold1659	NW_004516803.1	217066	TT	AA	AA	URR	101499673	uncharacterized LOC101499673
SNP_67503B_217096	scaffold1659	NW_004516803.1	217096	AA	GG	GG	URR	101499673	uncharacterized LOC101499673
SNP_67504B_217206	scaffold1659	NW_004516803.1	217206	AA	GG	GG	URR	101499673	uncharacterized LOC101499673
SNP_67505B_217299	scaffold1659	NW_004516803.1	217299	AA	GG	GG	URR	101499673	uncharacterized LOC101499673
SNP_67506B_244052	scaffold1659	NW_004516803.1	244052	TT	GG	GG	INTERGENIC		
SNP_67507B_244057	scaffold1659	NW_004516803.1	244057	CC	AA	AA	INTERGENIC		
SNP_67508B_244115	scaffold1659	NW_004516803.1	244115	CC	TT	TT	INTERGENIC		
SNP_67509B_268691	scaffold1659	NW_004516803.1	268691	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67511B_283386	scaffold1659	NW_004516803.1	283386	TT	AA	AA	INTERGENIC		
SNP_67512B_287457	scaffold1659	NW_004516803.1	287457	AA	CC	CC	INTERGENIC		
SNP_67513B_287460	scaffold1659	NW_004516803.1	287460	CC	TT	TT	INTERGENIC		
SNP_67514B_287461	scaffold1659	NW_004516803.1	287461	AA	CC	CC	INTERGENIC		
SNP_67515B_287463	scaffold1659	NW_004516803.1	287463	GG	AA	AA	INTERGENIC		
SNP_67516B_287466	scaffold1659	NW_004516803.1	287466	CC	TT	TT	INTERGENIC		
SNP_67517B_287467	scaffold1659	NW_004516803.1	287467	AA	GG	GG	INTERGENIC		
SNP_67518B_287501	scaffold1659	NW_004516803.1	287501	GG	AA	AA	INTERGENIC		
SNP_67519B_287503	scaffold1659	NW_004516803.1	287503	AA	GG	GG	INTERGENIC		
SNP_67520B_287505	scaffold1659	NW_004516803.1	287505	AA	GG	GG	INTERGENIC		
SNP_67521B_294678	scaffold1659	NW_004516803.1	294678	TT	CC	CC	INTERGENIC		
SNP_67522B_294721	scaffold1659	NW_004516803.1	294721	CC	GG	GG	INTERGENIC		
SNP_67523B_294748	scaffold1659	NW_004516803.1	294748	TT	CC	CC	INTERGENIC		
SNP_67524B_294760	scaffold1659	NW_004516803.1	294760	AA	GG	GG	INTERGENIC		
SNP_67525B_355392	scaffold1659	NW_004516803.1	355392	TT	CC	CC	INTERGENIC		
SNP_67526B_355975	scaffold1659	NW_004516803.1	355975	AA	TT	TT	INTERGENIC		
SNP_67527B_359178	scaffold1659	NW_004516803.1	359178	AA	GG	GG	INTERGENIC		
SNP_67528B_364329	scaffold1659	NW_004516803.1	364329	TT	CC	CC	INTERGENIC		
SNP_67529B_437405	scaffold1659	NW_004516803.1	437405	GG	CC	CC	INTERGENIC		
SNP_67531B_468098	scaffold1659	NW_004516803.1	468098	TT	GG	GG	INTERGENIC		
SNP_67532B_468122	scaffold1659	NW_004516803.1	468122	CC	AA	AA	INTERGENIC		
SNP_67533B_468162	scaffold1659	NW_004516803.1	468162	AA	GG	GG	INTERGENIC		
SNP_67534B_468562	scaffold1659	NW_004516803.1	468562	TT	CC	CC	INTERGENIC		
SNP_67535B_468601	scaffold1659	NW_004516803.1	468601	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67536B_468608	scaffold1659	NW_004516803.1	468608	TT	GG	GG	INTERGENIC		
SNP_67537B_12242	scaffold1661	NW_004516805.1	12242	CC	AA	AA	INTERGENIC		
SNP_67538B_20783	scaffold1661	NW_004516805.1	20783	TT	AA	AA	INTERGENIC		
SNP_67539B_23513	scaffold1661	NW_004516805.1	23513	GG	AA	AA	INTERGENIC		
SNP_67540B_23514	scaffold1661	NW_004516805.1	23514	AA	TT	TT	INTERGENIC		
SNP_67542B_106640	scaffold1661	NW_004516805.1	106640	CC	TT	TT	INTERGENIC		
SNP_67543B_112859	scaffold1661	NW_004516805.1	112859	AA	CC	CC	INTERGENIC		
SNP_67544B_112	scaffold1663	NW_004516806.1	112	TT	GG	GG	INTERGENIC		
SNP_67545B_554	scaffold1663	NW_004516806.1	554	TT	AA	AA	INTERGENIC		
SNP_67546B_604	scaffold1663	NW_004516806.1	604	TT	AA	AA	INTERGENIC		
SNP_67547B_656	scaffold1663	NW_004516806.1	656	AA	GG	GG	INTERGENIC		
SNP_67548B_3029	scaffold1664	NW_004516807.1	3029	AA	CC	CC	INTRON	101502748	uncharacterized LOC101502748
SNP_67549B_94979	scaffold1664	NW_004516807.1	94979	AA	GG	GG	INTERGENIC		
SNP_67550B_2617	scaffold1673	NW_004516810.1	2617	AA	GG	GG	INTERGENIC		
SNP_67551B_2737	scaffold1673	NW_004516810.1	2737	AA	TT	TT	INTERGENIC		
SNP_67552B_64	scaffold1674	NW_004516811.1	64	TT	CC	CC	INTERGENIC		
SNP_67553B_65	scaffold1674	NW_004516811.1	65	AA	GG	GG	INTERGENIC		
SNP_67554B_405	scaffold1674	NW_004516811.1	405	CC	TT	TT	INTERGENIC		
SNP_67555B_511	scaffold1674	NW_004516811.1	511	GG	TT	TT	INTERGENIC		
SNP_67557B_504	scaffold1675	NW_004516812.1	504	AA	GG	GG	INTERGENIC		
SNP_67558B_994	scaffold1675	NW_004516812.1	994	GG	AA	AA	INTERGENIC		
SNP_67559B_1012	scaffold1675	NW_004516812.1	1012	TT	GG	GG	INTERGENIC		
SNP_67561B_1911	scaffold1680	NW_004516815.1	1911	AA	TT	TT	INTERGENIC		
SNP_67562B_15886	scaffold1680	NW_004516815.1	15886	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67563B_16312	scaffold1680	NW_004516815.1	16312	CC	GG	GG	INTERGENIC		
SNP_67564B_23351	scaffold1680	NW_004516815.1	23351	CC	TT	TT	INTERGENIC		
SNP_67565B_411	scaffold1681	NW_004516816.1	411	CC	GG	GG	INTERGENIC		
SNP_67566B_743	scaffold1681	NW_004516816.1	743	AA	CC	CC	INTERGENIC		
SNP_67567B_756	scaffold1681	NW_004516816.1	756	AA	GG	GG	INTERGENIC		
SNP_67569B_1160	scaffold1681	NW_004516816.1	1160	GG	TT	TT	INTERGENIC		
SNP_67570B_1335	scaffold1681	NW_004516816.1	1335	AA	GG	GG	INTERGENIC		
SNP_67571B_1421	scaffold1681	NW_004516816.1	1421	AA	CC	CC	INTERGENIC		
SNP_67572B_1749	scaffold1681	NW_004516816.1	1749	CC	TT	TT	INTERGENIC		
SNP_67573B_1935	scaffold1681	NW_004516816.1	1935	GG	TT	TT	INTERGENIC		
SNP_67574B_2513	scaffold1681	NW_004516816.1	2513	GG	AA	AA	INTERGENIC		
SNP_67575B_3861	scaffold1681	NW_004516816.1	3861	GG	AA	AA	INTERGENIC		
SNP_67576B_5308	scaffold1681	NW_004516816.1	5308	GG	CC	CC	INTERGENIC		
SNP_67577B_6044	scaffold1681	NW_004516816.1	6044	AA	GG	GG	INTERGENIC		
SNP_67578B_6544	scaffold1681	NW_004516816.1	6544	CC	TT	TT	INTERGENIC		
SNP_67579B_6614	scaffold1681	NW_004516816.1	6614	TT	GG	GG	INTERGENIC		
SNP_67580B_6634	scaffold1681	NW_004516816.1	6634	AA	TT	TT	INTERGENIC		
SNP_67581B_6714	scaffold1681	NW_004516816.1	6714	AA	GG	GG	INTERGENIC		
SNP_67582B_6722	scaffold1681	NW_004516816.1	6722	AA	GG	GG	INTERGENIC		
SNP_67583B_6838	scaffold1681	NW_004516816.1	6838	GG	AA	AA	INTERGENIC		
SNP_67584B_6864	scaffold1681	NW_004516816.1	6864	CC	GG	GG	INTERGENIC		
SNP_67585B_6904	scaffold1681	NW_004516816.1	6904	CC	AA	AA	INTERGENIC		
SNP_67586B_6913	scaffold1681	NW_004516816.1	6913	CC	AA	AA	INTERGENIC		
SNP_67587B_7082	scaffold1681	NW_004516816.1	7082	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67588B_7258	scaffold1681	NW_004516816.1	7258	TT	CC	CC	INTERGENIC		
SNP_67589B_7289	scaffold1681	NW_004516816.1	7289	TT	CC	CC	INTERGENIC		
SNP_67591B_8677	scaffold1682	NW_004516817.1	8677	CC	TT	TT	INTERGENIC		
SNP_67592B_1416	scaffold1683	NW_004516818.1	1416	AA	CC	CC	INTERGENIC		
SNP_67593B_1612	scaffold1684	NW_004516819.1	1612	AA	GG	GG	INTERGENIC		
SNP_67594B_6135	scaffold1684	NW_004516819.1	6135	AA	GG	GG	INTERGENIC		
SNP_67595B_6391	scaffold1684	NW_004516819.1	6391	GG	AA	AA	INTERGENIC		
SNP_67597B_23002	scaffold1684	NW_004516819.1	23002	TT	GG	GG	INTERGENIC		
SNP_67598B_24226	scaffold1684	NW_004516819.1	24226	CC	GG	GG	INTERGENIC		
SNP_67599B_28199	scaffold1684	NW_004516819.1	28199	CC	GG	GG	INTERGENIC		
SNP_67600B_28223	scaffold1684	NW_004516819.1	28223	AA	GG	GG	INTERGENIC		
SNP_67601B_28224	scaffold1684	NW_004516819.1	28224	CC	TT	TT	INTERGENIC		
SNP_67602B_28577	scaffold1684	NW_004516819.1	28577	GG	AA	AA	INTERGENIC		
SNP_67603B_28632	scaffold1684	NW_004516819.1	28632	TT	CC	CC	INTERGENIC		
SNP_67604B_28808	scaffold1684	NW_004516819.1	28808	TT	CC	CC	INTERGENIC		
SNP_67605B_29014	scaffold1684	NW_004516819.1	29014	CC	TT	TT	INTERGENIC		
SNP_67606B_29037	scaffold1684	NW_004516819.1	29037	AA	TT	TT	INTERGENIC		
SNP_67607B_29071	scaffold1684	NW_004516819.1	29071	AA	TT	TT	INTERGENIC		
SNP_67608B_29089	scaffold1684	NW_004516819.1	29089	GG	CC	CC	INTERGENIC		
SNP_67609B_29091	scaffold1684	NW_004516819.1	29091	GG	TT	TT	INTERGENIC		
SNP_67610B_29122	scaffold1684	NW_004516819.1	29122	CC	TT	TT	INTERGENIC		
SNP_67611B_29200	scaffold1684	NW_004516819.1	29200	TT	AA	AA	INTERGENIC		
SNP_67612B_29228	scaffold1684	NW_004516819.1	29228	GG	AA	AA	INTERGENIC		
SNP_67613B_29244	scaffold1684	NW_004516819.1	29244	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67614B_29390	scaffold1684	NW_004516819.1	29390	GG	AA	AA	INTERGENIC		
SNP_67615B_29392	scaffold1684	NW_004516819.1	29392	TT	AA	AA	INTERGENIC		
SNP_67616B_29440	scaffold1684	NW_004516819.1	29440	AA	TT	TT	INTERGENIC		
SNP_67617B_29480	scaffold1684	NW_004516819.1	29480	TT	CC	CC	INTERGENIC		
SNP_67618B_29494	scaffold1684	NW_004516819.1	29494	AA	TT	TT	INTERGENIC		
SNP_67619B_29533	scaffold1684	NW_004516819.1	29533	TT	CC	CC	INTERGENIC		
SNP_67620B_29637	scaffold1684	NW_004516819.1	29637	AA	CC	CC	INTERGENIC		
SNP_67621B_29673	scaffold1684	NW_004516819.1	29673	GG	AA	AA	INTERGENIC		
SNP_67622B_29692	scaffold1684	NW_004516819.1	29692	TT	AA	AA	INTERGENIC		
SNP_67623B_29778	scaffold1684	NW_004516819.1	29778	TT	CC	CC	INTERGENIC		
SNP_67624B_33542	scaffold1684	NW_004516819.1	33542	CC	TT	TT	INTERGENIC		
SNP_67625B_40602	scaffold1684	NW_004516819.1	40602	CC	TT	TT	INTERGENIC		
SNP_67626B_40850	scaffold1684	NW_004516819.1	40850	GG	TT	TT	INTERGENIC		
SNP_67627B_44572	scaffold1684	NW_004516819.1	44572	CC	TT	TT	INTERGENIC		
SNP_67628B_62991	scaffold1684	NW_004516819.1	62991	AA	GG	GG	INTERGENIC		
SNP_67630B_71276	scaffold1684	NW_004516819.1	71276	AA	GG	GG	INTERGENIC		
SNP_67631B_71306	scaffold1684	NW_004516819.1	71306	CC	TT	TT	INTERGENIC		
SNP_67632B_71329	scaffold1684	NW_004516819.1	71329	GG	AA	AA	INTERGENIC		
SNP_67633B_71460	scaffold1684	NW_004516819.1	71460	AA	TT	TT	INTERGENIC		
SNP_67635B_15717	scaffold1685	NW_004516820.1	15717	TT	AA	AA	DRR	101503389	Unknown function
SNP_67636B_33007	scaffold1685	NW_004516820.1	33007	CC	TT	TT	INTERGENIC		
SNP_67637B_53511	scaffold1685	NW_004516820.1	53511	TT	GG	GG	INTERGENIC		
SNP_67638B_64716	scaffold1685	NW_004516820.1	64716	AA	CC	CC	INTERGENIC		
SNP_67639B_64750	scaffold1685	NW_004516820.1	64750	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67640B_83235	scaffold1685	NW_004516820.1	83235	AA	CC	CC	INTERGENIC		
SNP_67641B_83301	scaffold1685	NW_004516820.1	83301	CC	TT	TT	INTERGENIC		
SNP_67642B_88573	scaffold1685	NW_004516820.1	88573	TT	CC	CC	INTERGENIC		
SNP_67643B_88825	scaffold1685	NW_004516820.1	88825	AA	TT	TT	INTERGENIC		
SNP_67644B_88828	scaffold1685	NW_004516820.1	88828	TT	CC	CC	INTERGENIC		
SNP_67645B_88885	scaffold1685	NW_004516820.1	88885	AA	CC	CC	INTERGENIC		
SNP_67646B_89145	scaffold1685	NW_004516820.1	89145	CC	TT	TT	INTERGENIC		
SNP_67648B_125184	scaffold1685	NW_004516820.1	125184	TT	AA	AA	INTERGENIC		
SNP_67649B_128118	scaffold1685	NW_004516820.1	128118	AA	GG	GG	INTERGENIC		
SNP_67650B_54361	scaffold1687	NW_004516822.1	54361	TT	CC	CC	INTERGENIC		
SNP_67651B_85085	scaffold1687	NW_004516822.1	85085	AA	GG	GG	URR	101503723	non-specific lipid-transfer protein 1-like
SNP_67652B_144609	scaffold1687	NW_004516822.1	144609	GG	AA	AA	INTERGENIC		
SNP_67653B_144623	scaffold1687	NW_004516822.1	144623	TT	GG	GG	INTERGENIC		
SNP_67654B_144636	scaffold1687	NW_004516822.1	144636	AA	GG	GG	INTERGENIC		
SNP_67655B_144637	scaffold1687	NW_004516822.1	144637	GG	AA	AA	INTERGENIC		
SNP_67656B_144662	scaffold1687	NW_004516822.1	144662	CC	AA	AA	INTERGENIC		
SNP_67657B_144667	scaffold1687	NW_004516822.1	144667	CC	GG	GG	INTERGENIC		
SNP_67658B_144859	scaffold1687	NW_004516822.1	144859	TT	CC	CC	INTERGENIC		
SNP_67660B_180732	scaffold1687	NW_004516822.1	180732	TT	CC	CC	INTERGENIC		
SNP_67661B_196971	scaffold1687	NW_004516822.1	196971	AA	CC	CC	INTERGENIC		
SNP_67662B_224163	scaffold1687	NW_004516822.1	224163	TT	CC	CC	INTERGENIC		
SNP_67664B_2221	scaffold1688	NW_004516823.1	2221	GG	AA	AA	INTERGENIC		
SNP_67665B_2365	scaffold1688	NW_004516823.1	2365	TT	CC	CC	INTERGENIC		
SNP_67666B_2378	scaffold1688	NW_004516823.1	2378	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67667B_2423	scaffold1688	NW_004516823.1	2423	AA	GG	GG	INTERGENIC		
SNP_67668B_2431	scaffold1688	NW_004516823.1	2431	TT	CC	CC	INTERGENIC		
SNP_67669B_2432	scaffold1688	NW_004516823.1	2432	CC	GG	GG	INTERGENIC		
SNP_67670B_1821	scaffold1689	NW_004516824.1	1821	AA	CC	CC	INTERGENIC		
SNP_67671B_2363	scaffold1695	NW_004516829.1	2363	TT	CC	CC	INTERGENIC		
SNP_67672B_2727	scaffold1695	NW_004516829.1	2727	GG	TT	TT	INTERGENIC		
SNP_67673B_2744	scaffold1695	NW_004516829.1	2744	CC	TT	TT	INTERGENIC		
SNP_67674B_6193	scaffold1695	NW_004516829.1	6193	GG	AA	AA	INTERGENIC		
SNP_67675B_6218	scaffold1695	NW_004516829.1	6218	CC	TT	TT	INTERGENIC		
SNP_67676B_4137	scaffold1696	NW_004516830.1	4137	CC	TT	TT	INTERGENIC		
SNP_67678B_4571	scaffold1696	NW_004516830.1	4571	TT	CC	CC	INTERGENIC		
SNP_67679B_4637	scaffold1696	NW_004516830.1	4637	AA	GG	GG	INTERGENIC		
SNP_67680B_4875	scaffold1696	NW_004516830.1	4875	TT	CC	CC	INTERGENIC		
SNP_67681B_4930	scaffold1696	NW_004516830.1	4930	CC	GG	GG	INTERGENIC		
SNP_67682B_4948	scaffold1696	NW_004516830.1	4948	CC	TT	TT	INTERGENIC		
SNP_67683B_5007	scaffold1696	NW_004516830.1	5007	CC	TT	TT	INTERGENIC		
SNP_67684B_5008	scaffold1696	NW_004516830.1	5008	GG	CC	CC	INTERGENIC		
SNP_67685B_5088	scaffold1696	NW_004516830.1	5088	CC	TT	TT	INTERGENIC		
SNP_67686B_5104	scaffold1696	NW_004516830.1	5104	GG	AA	AA	INTERGENIC		
SNP_67687B_5134	scaffold1696	NW_004516830.1	5134	TT	AA	AA	INTERGENIC		
SNP_67688B_5198	scaffold1696	NW_004516830.1	5198	GG	AA	AA	INTERGENIC		
SNP_67689B_5308	scaffold1696	NW_004516830.1	5308	TT	GG	GG	INTERGENIC		
SNP_67690B_5348	scaffold1696	NW_004516830.1	5348	CC	AA	AA	INTERGENIC		
SNP_67692B_5448	scaffold1696	NW_004516830.1	5448	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67693B_5532	scaffold1696	NW_004516830.1	5532	CC	AA	AA	INTERGENIC		
SNP_67694B_5703	scaffold1696	NW_004516830.1	5703	AA	TT	TT	INTERGENIC		
SNP_67695B_7117	scaffold1696	NW_004516830.1	7117	GG	TT	TT	INTERGENIC		
SNP_67696B_7997	scaffold1696	NW_004516830.1	7997	CC	TT	TT	INTERGENIC		
SNP_67697B_8230	scaffold1696	NW_004516830.1	8230	AA	CC	CC	INTERGENIC		
SNP_67698B_8249	scaffold1696	NW_004516830.1	8249	GG	AA	AA	INTERGENIC		
SNP_67699B_8369	scaffold1696	NW_004516830.1	8369	CC	AA	AA	INTERGENIC		
SNP_67700B_8383	scaffold1696	NW_004516830.1	8383	CC	TT	TT	INTERGENIC		
SNP_67701B_10603	scaffold1696	NW_004516830.1	10603	AA	CC	CC	INTERGENIC		
SNP_67702B_10695	scaffold1696	NW_004516830.1	10695	TT	AA	AA	INTERGENIC		
SNP_67703B_12369	scaffold1696	NW_004516830.1	12369	TT	CC	CC	INTERGENIC		
SNP_67704B_12372	scaffold1696	NW_004516830.1	12372	GG	AA	AA	INTERGENIC		
SNP_67705B_12510	scaffold1696	NW_004516830.1	12510	TT	CC	CC	INTERGENIC		
SNP_67706B_12572	scaffold1696	NW_004516830.1	12572	CC	TT	TT	INTERGENIC		
SNP_67707B_12584	scaffold1696	NW_004516830.1	12584	CC	TT	TT	INTERGENIC		
SNP_67708B_12704	scaffold1696	NW_004516830.1	12704	AA	GG	GG	INTERGENIC		
SNP_67709B_12754	scaffold1696	NW_004516830.1	12754	TT	CC	CC	INTERGENIC		
SNP_67710B_12853	scaffold1696	NW_004516830.1	12853	AA	GG	GG	INTERGENIC		
SNP_67711B_12901	scaffold1696	NW_004516830.1	12901	CC	AA	AA	INTERGENIC		
SNP_67712B_12946	scaffold1696	NW_004516830.1	12946	GG	TT	TT	INTERGENIC		
SNP_67713B_12951	scaffold1696	NW_004516830.1	12951	CC	AA	AA	INTERGENIC		
SNP_67714B_12956	scaffold1696	NW_004516830.1	12956	TT	CC	CC	INTERGENIC		
SNP_67715B_12957	scaffold1696	NW_004516830.1	12957	GG	AA	AA	INTERGENIC		
SNP_67716B_13432	scaffold1696	NW_004516830.1	13432	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67717B_15979	scaffold1696	NW_004516830.1	15979	TT	CC	CC	INTERGENIC		
SNP_67718B_16104	scaffold1696	NW_004516830.1	16104	AA	CC	CC	INTERGENIC		
SNP_67719B_16268	scaffold1696	NW_004516830.1	16268	GG	CC	CC	INTERGENIC		
SNP_67720B_16431	scaffold1696	NW_004516830.1	16431	GG	AA	AA	INTERGENIC		
SNP_67721B_20096	scaffold1696	NW_004516830.1	20096	AA	CC	CC	INTERGENIC		
SNP_67722B_20172	scaffold1696	NW_004516830.1	20172	CC	TT	TT	INTERGENIC		
SNP_67723B_20255	scaffold1696	NW_004516830.1	20255	TT	CC	CC	INTERGENIC		
SNP_67724B_20420	scaffold1696	NW_004516830.1	20420	AA	TT	TT	INTERGENIC		
SNP_67725B_20465	scaffold1696	NW_004516830.1	20465	CC	TT	TT	INTERGENIC		
SNP_67726B_20483	scaffold1696	NW_004516830.1	20483	AA	GG	GG	INTERGENIC		
SNP_67727B_20494	scaffold1696	NW_004516830.1	20494	CC	AA	AA	INTERGENIC		
SNP_67728B_20499	scaffold1696	NW_004516830.1	20499	AA	CC	CC	INTERGENIC		
SNP_67729B_20758	scaffold1696	NW_004516830.1	20758	CC	AA	AA	INTERGENIC		
SNP_67730B_20899	scaffold1696	NW_004516830.1	20899	CC	TT	TT	INTERGENIC		
SNP_67731B_21252	scaffold1696	NW_004516830.1	21252	GG	TT	TT	INTERGENIC		
SNP_67732B_21270	scaffold1696	NW_004516830.1	21270	AA	GG	GG	INTERGENIC		
SNP_67733B_21318	scaffold1696	NW_004516830.1	21318	TT	CC	CC	INTERGENIC		
SNP_67734B_21357	scaffold1696	NW_004516830.1	21357	AA	TT	TT	INTERGENIC		
SNP_67735B_21449	scaffold1696	NW_004516830.1	21449	TT	AA	AA	INTERGENIC		
SNP_67736B_21459	scaffold1696	NW_004516830.1	21459	GG	CC	CC	INTERGENIC		
SNP_67737B_21486	scaffold1696	NW_004516830.1	21486	GG	AA	AA	INTERGENIC		
SNP_67738B_21582	scaffold1696	NW_004516830.1	21582	GG	AA	AA	INTERGENIC		
SNP_67739B_21614	scaffold1696	NW_004516830.1	21614	TT	CC	CC	INTERGENIC		
SNP_67740B_21648	scaffold1696	NW_004516830.1	21648	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67741B_21665	scaffold1696	NW_004516830.1	21665	AA	CC	CC	INTERGENIC		
SNP_67742B_21677	scaffold1696	NW_004516830.1	21677	CC	TT	TT	INTERGENIC		
SNP_67743B_22924	scaffold1696	NW_004516830.1	22924	AA	GG	GG	INTERGENIC		
SNP_67744B_23124	scaffold1696	NW_004516830.1	23124	GG	TT	TT	INTERGENIC		
SNP_67745B_23140	scaffold1696	NW_004516830.1	23140	CC	GG	GG	INTERGENIC		
SNP_67746B_23179	scaffold1696	NW_004516830.1	23179	CC	TT	TT	INTERGENIC		
SNP_67747B_450	scaffold1699	NW_004516832.1	450	AA	TT	TT	INTERGENIC		
SNP_67748B_456	scaffold1699	NW_004516832.1	456	GG	AA	AA	INTERGENIC		
SNP_67749B_927	scaffold1699	NW_004516832.1	927	TT	GG	GG	INTERGENIC		
SNP_67750B_1686	scaffold1699	NW_004516832.1	1686	AA	CC	CC	INTERGENIC		
SNP_67751B_16039	scaffold1699	NW_004516832.1	16039	TT	CC	CC	INTERGENIC		
SNP_67752B_17230	scaffold1699	NW_004516832.1	17230	GG	AA	AA	INTERGENIC		
SNP_67753B_26261	scaffold1701	NW_004516833.1	26261	TT	AA	AA	INTERGENIC		
SNP_67754B_26720	scaffold1701	NW_004516833.1	26720	AA	GG	GG	INTERGENIC		
SNP_67755B_26924	scaffold1701	NW_004516833.1	26924	CC	TT	TT	INTERGENIC		
SNP_67756B_26942	scaffold1701	NW_004516833.1	26942	AA	GG	GG	INTERGENIC		
SNP_67757B_26960	scaffold1701	NW_004516833.1	26960	CC	AA	AA	INTERGENIC		
SNP_67758B_26984	scaffold1701	NW_004516833.1	26984	AA	GG	GG	INTERGENIC		
SNP_67759B_27023	scaffold1701	NW_004516833.1	27023	CC	AA	AA	INTERGENIC		
SNP_67760B_27027	scaffold1701	NW_004516833.1	27027	CC	GG	GG	INTERGENIC		
SNP_67761B_37626	scaffold1701	NW_004516833.1	37626	AA	GG	GG	INTERGENIC		
SNP_67762B_37779	scaffold1701	NW_004516833.1	37779	GG	TT	TT	INTERGENIC		
SNP_67763B_54170	scaffold1701	NW_004516833.1	54170	AA	GG	GG	INTERGENIC		
SNP_67764B_54190	scaffold1701	NW_004516833.1	54190	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67765B_54410	scaffold1701	NW_004516833.1	54410	TT	CC	CC	INTERGENIC		
SNP_67766B_57677	scaffold1701	NW_004516833.1	57677	AA	CC	CC	INTERGENIC		
SNP_67767B_57734	scaffold1701	NW_004516833.1	57734	TT	CC	CC	INTERGENIC		
SNP_67768B_57739	scaffold1701	NW_004516833.1	57739	AA	GG	GG	INTERGENIC		
SNP_67769B_57760	scaffold1701	NW_004516833.1	57760	GG	AA	AA	INTERGENIC		
SNP_67770B_57902	scaffold1701	NW_004516833.1	57902	TT	CC	CC	INTERGENIC		
SNP_67771B_57912	scaffold1701	NW_004516833.1	57912	TT	AA	AA	INTERGENIC		
SNP_67772B_57945	scaffold1701	NW_004516833.1	57945	TT	CC	CC	INTERGENIC		
SNP_67773B_86567	scaffold1701	NW_004516833.1	86567	GG	AA	AA	INTERGENIC		
SNP_67774B_86607	scaffold1701	NW_004516833.1	86607	CC	TT	TT	INTERGENIC		
SNP_67775B_86612	scaffold1701	NW_004516833.1	86612	GG	AA	AA	INTERGENIC		
SNP_67776B_86613	scaffold1701	NW_004516833.1	86613	GG	TT	TT	INTERGENIC		
SNP_67777B_86623	scaffold1701	NW_004516833.1	86623	CC	AA	AA	INTERGENIC		
SNP_67778B_86656	scaffold1701	NW_004516833.1	86656	CC	TT	TT	INTERGENIC		
SNP_67780B_101192	scaffold1701	NW_004516833.1	101192	TT	CC	CC	INTERGENIC		
SNP_67781B_101230	scaffold1701	NW_004516833.1	101230	TT	CC	CC	INTERGENIC		
SNP_67782B_101256	scaffold1701	NW_004516833.1	101256	GG	AA	AA	INTERGENIC		
SNP_67783B_106728	scaffold1701	NW_004516833.1	106728	TT	GG	GG	INTERGENIC		
SNP_67784B_126569	scaffold1701	NW_004516833.1	126569	AA	GG	GG	URR	101504691	uncharacterized LOC101504691
SNP_67785B_126571	scaffold1701	NW_004516833.1	126571	AA	CC	CC	URR	101504691	uncharacterized LOC101504691
SNP_67786B_126581	scaffold1701	NW_004516833.1	126581	AA	CC	CC	URR	101504691	uncharacterized LOC101504691
SNP_67787B_142670	scaffold1701	NW_004516833.1	142670	AA	GG	GG	INTERGENIC		
SNP_67788B_151013	scaffold1701	NW_004516833.1	151013	TT	GG	GG	INTERGENIC		
SNP_67789B_151014	scaffold1701	NW_004516833.1	151014	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67790B_151979	scaffold1701	NW_004516833.1	151979	CC	TT	TT	INTERGENIC		
SNP_67791B_48256	scaffold1703	NW_004516835.1	48256	TT	CC	CC	SYNONYMOUS_CODING	101508031	pollen-specific leucine-rich repeat extensin-like protein 2
SNP_67792B_86499	scaffold1703	NW_004516835.1	86499	CC	AA	AA	INTERGENIC		
SNP_67793B_130642	scaffold1703	NW_004516835.1	130642	GG	AA	AA	INTERGENIC		
SNP_67794B_130670	scaffold1703	NW_004516835.1	130670	TT	CC	CC	INTERGENIC		
SNP_67795B_130696	scaffold1703	NW_004516835.1	130696	CC	TT	TT	INTERGENIC		
SNP_67796B_130722	scaffold1703	NW_004516835.1	130722	TT	CC	CC	INTERGENIC		
SNP_67797B_130744	scaffold1703	NW_004516835.1	130744	CC	TT	TT	INTERGENIC		
SNP_67798B_130911	scaffold1703	NW_004516835.1	130911	AA	GG	GG	INTERGENIC		
SNP_67799B_130935	scaffold1703	NW_004516835.1	130935	CC	AA	AA	INTERGENIC		
SNP_67800B_130943	scaffold1703	NW_004516835.1	130943	GG	AA	AA	INTERGENIC		
SNP_67802B_165049	scaffold1703	NW_004516835.1	165049	GG	AA	AA	INTRON	101509285	Unknown function
SNP_67803B_165319	scaffold1703	NW_004516835.1	165319	TT	GG	GG	INTRON	101509285	Unknown function
SNP_67804B_165327	scaffold1703	NW_004516835.1	165327	TT	GG	GG	INTRON	101509285	Unknown function
SNP_67805B_200062	scaffold1703	NW_004516835.1	200062	CC	TT	TT	INTERGENIC		
SNP_67806B_200147	scaffold1703	NW_004516835.1	200147	TT	AA	AA	INTERGENIC		
SNP_67807B_200679	scaffold1703	NW_004516835.1	200679	TT	CC	CC	INTERGENIC		
SNP_67808B_223074	scaffold1703	NW_004516835.1	223074	GG	AA	AA	INTERGENIC		
SNP_67809B_223111	scaffold1703	NW_004516835.1	223111	TT	CC	CC	INTERGENIC		
SNP_67810B_223126	scaffold1703	NW_004516835.1	223126	GG	AA	AA	INTERGENIC		
SNP_67811B_232358	scaffold1703	NW_004516835.1	232358	CC	TT	TT	INTERGENIC		
SNP_67812B_232590	scaffold1703	NW_004516835.1	232590	AA	GG	GG	INTERGENIC		
SNP_67813B_262400	scaffold1703	NW_004516835.1	262400	AA	TT	TT	INTERGENIC		
SNP_67814B_277824	scaffold1703	NW_004516835.1	277824	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67815B_8790	scaffold1704	NW_004516836.1	8790	AA	GG	GG	INTERGENIC		
SNP_67816B_8834	scaffold1704	NW_004516836.1	8834	TT	CC	CC	INTERGENIC		
SNP_67817B_9137	scaffold1704	NW_004516836.1	9137	AA	GG	GG	INTERGENIC		
SNP_67818B_9271	scaffold1704	NW_004516836.1	9271	AA	GG	GG	INTERGENIC		
SNP_67819B_9301	scaffold1704	NW_004516836.1	9301	AA	CC	CC	INTERGENIC		
SNP_67821B_11047	scaffold1704	NW_004516836.1	11047	AA	CC	CC	INTERGENIC		
SNP_67822B_11073	scaffold1704	NW_004516836.1	11073	CC	GG	GG	INTERGENIC		
SNP_67824B_11854	scaffold1704	NW_004516836.1	11854	TT	CC	CC	INTERGENIC		
SNP_67825B_11857	scaffold1704	NW_004516836.1	11857	CC	TT	TT	INTERGENIC		
SNP_67826B_32873	scaffold1704	NW_004516836.1	32873	TT	CC	CC	INTERGENIC		
SNP_67827B_32938	scaffold1704	NW_004516836.1	32938	AA	GG	GG	INTERGENIC		
SNP_67828B_39297	scaffold1704	NW_004516836.1	39297	GG	TT	TT	INTERGENIC		
SNP_67829B_1061	scaffold1706	NW_004516837.1	1061	CC	TT	TT	INTERGENIC		
SNP_67830B_1128	scaffold1706	NW_004516837.1	1128	CC	TT	TT	INTERGENIC		
SNP_67831B_1237	scaffold1706	NW_004516837.1	1237	AA	GG	GG	INTERGENIC		
SNP_67832B_22951	scaffold1706	NW_004516837.1	22951	AA	GG	GG	INTRON	101510585	40S ribosomal protein S8-like
SNP_67833B_61837	scaffold1706	NW_004516837.1	61837	CC	AA	AA	INTERGENIC		
SNP_67834B_76903	scaffold1706	NW_004516837.1	76903	TT	CC	CC	INTERGENIC		
SNP_67835B_76926	scaffold1706	NW_004516837.1	76926	TT	CC	CC	INTERGENIC		
SNP_67836B_76959	scaffold1706	NW_004516837.1	76959	TT	CC	CC	INTERGENIC		
SNP_67837B_76985	scaffold1706	NW_004516837.1	76985	CC	TT	TT	INTERGENIC		
SNP_67838B_76987	scaffold1706	NW_004516837.1	76987	AA	GG	GG	INTERGENIC		
SNP_67839B_77072	scaffold1706	NW_004516837.1	77072	CC	GG	GG	INTERGENIC		
SNP_67840B_77551	scaffold1706	NW_004516837.1	77551	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67841B_77609	scaffold1706	NW_004516837.1	77609	GG	TT	TT	INTERGENIC		
SNP_67842B_79654	scaffold1706	NW_004516837.1	79654	AA	GG	GG	INTERGENIC		
SNP_67843B_79670	scaffold1706	NW_004516837.1	79670	AA	TT	TT	INTERGENIC		
SNP_67844B_79680	scaffold1706	NW_004516837.1	79680	AA	CC	CC	INTERGENIC		
SNP_67845B_83591	scaffold1706	NW_004516837.1	83591	TT	AA	AA	INTERGENIC		
SNP_67846B_83651	scaffold1706	NW_004516837.1	83651	AA	GG	GG	INTERGENIC		
SNP_67847B_83652	scaffold1706	NW_004516837.1	83652	GG	AA	AA	INTERGENIC		
SNP_67848B_83659	scaffold1706	NW_004516837.1	83659	AA	GG	GG	INTERGENIC		
SNP_67849B_83829	scaffold1706	NW_004516837.1	83829	TT	CC	CC	INTERGENIC		
SNP_67850B_91142	scaffold1706	NW_004516837.1	91142	AA	TT	TT	INTERGENIC		
SNP_67852B_533	scaffold1708	NW_004516839.1	533	AA	GG	GG	INTERGENIC		
SNP_67853B_7717	scaffold1708	NW_004516839.1	7717	GG	AA	AA	INTERGENIC		
SNP_67854B_8143	scaffold1708	NW_004516839.1	8143	GG	CC	CC	INTERGENIC		
SNP_67856B_26592	scaffold1708	NW_004516839.1	26592	AA	GG	GG	INTERGENIC		
SNP_67857B_26636	scaffold1708	NW_004516839.1	26636	TT	CC	CC	INTERGENIC		
SNP_67858B_29042	scaffold1708	NW_004516839.1	29042	GG	AA	AA	INTERGENIC		
SNP_67859B_29880	scaffold1708	NW_004516839.1	29880	GG	CC	CC	INTERGENIC		
SNP_67860B_29914	scaffold1708	NW_004516839.1	29914	CC	TT	TT	INTERGENIC		
SNP_67861B_29961	scaffold1708	NW_004516839.1	29961	CC	TT	TT	INTERGENIC		
SNP_67862B_40740	scaffold1708	NW_004516839.1	40740	TT	GG	GG	INTERGENIC		
SNP_67863B_59966	scaffold1708	NW_004516839.1	59966	GG	AA	AA	DRR	101511870	Unknown function
SNP_67864B_67154	scaffold1708	NW_004516839.1	67154	TT	CC	CC	DRR	101512188	Unknown function
SNP_67865B_67165	scaffold1708	NW_004516839.1	67165	CC	AA	AA	DRR	101512188	Unknown function
SNP_67866B_67291	scaffold1708	NW_004516839.1	67291	GG	CC	CC	DRR	101512188	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67867B_67545	scaffold1708	NW_004516839.1	67545	AA	GG	GG	DRR	101512188	Unknown function
SNP_67868B_67560	scaffold1708	NW_004516839.1	67560	AA	GG	GG	DRR	101512188	Unknown function
SNP_67871B_64	scaffold1709	NW_004516840.1	64	CC	AA	AA	INTERGENIC		
SNP_67872B_65	scaffold1709	NW_004516840.1	65	AA	TT	TT	INTERGENIC		
SNP_67873B_81	scaffold1709	NW_004516840.1	81	TT	CC	CC	INTERGENIC		
SNP_67874B_196	scaffold1709	NW_004516840.1	196	GG	AA	AA	INTERGENIC		
SNP_67875B_197	scaffold1709	NW_004516840.1	197	CC	GG	GG	INTERGENIC		
SNP_67876B_202	scaffold1709	NW_004516840.1	202	GG	AA	AA	INTERGENIC		
SNP_67877B_203	scaffold1709	NW_004516840.1	203	GG	TT	TT	INTERGENIC		
SNP_67878B_403	scaffold1709	NW_004516840.1	403	AA	GG	GG	INTERGENIC		
SNP_67879B_422	scaffold1709	NW_004516840.1	422	CC	AA	AA	INTERGENIC		
SNP_67880B_3889	scaffold1709	NW_004516840.1	3889	CC	TT	TT	INTERGENIC		
SNP_67881B_3895	scaffold1709	NW_004516840.1	3895	CC	AA	AA	INTERGENIC		
SNP_67882B_416	scaffold1710	NW_004516841.1	416	AA	TT	TT	INTERGENIC		
SNP_67883B_8585	scaffold1710	NW_004516841.1	8585	AA	CC	CC	INTERGENIC		
SNP_67884B_8589	scaffold1710	NW_004516841.1	8589	TT	AA	AA	INTERGENIC		
SNP_67886B_1188	scaffold1717	NW_004516845.1	1188	GG	CC	CC	INTERGENIC		
SNP_67887B_14235	scaffold1718	NW_004516846.1	14235	AA	GG	GG	INTERGENIC		
SNP_67888B_60473	scaffold1718	NW_004516846.1	60473	TT	CC	CC	INTERGENIC		
SNP_67890B_135590	scaffold1722	NW_004516849.1	135590	GG	AA	AA	INTRON	101492306	Unknown function
SNP_67891B_135675	scaffold1722	NW_004516849.1	135675	GG	AA	AA	SYNONYMOUS_CODING	101492306	Unknown function
SNP_67892B_135682	scaffold1722	NW_004516849.1	135682	TT	CC	CC	NON_SYNONYMOUS_CODING	101492306	Unknown function
SNP_67893B_176623	scaffold1722	NW_004516849.1	176623	CC	TT	TT	INTERGENIC		
SNP_67894B_184376	scaffold1722	NW_004516849.1	184376	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67895B_184587	scaffold1722	NW_004516849.1	184587	AA	GG	GG	INTERGENIC		
SNP_67896B_184654	scaffold1722	NW_004516849.1	184654	AA	GG	GG	INTERGENIC		
SNP_67897B_184665	scaffold1722	NW_004516849.1	184665	GG	AA	AA	INTERGENIC		
SNP_67898B_187229	scaffold1722	NW_004516849.1	187229	AA	GG	GG	INTERGENIC		
SNP_67899B_657	scaffold1723	NW_004516850.1	657	CC	TT	TT	INTERGENIC		
SNP_67900B_796	scaffold1723	NW_004516850.1	796	GG	CC	CC	INTERGENIC		
SNP_67901B_801	scaffold1723	NW_004516850.1	801	CC	TT	TT	INTERGENIC		
SNP_67903B_817	scaffold1723	NW_004516850.1	817	TT	CC	CC	INTERGENIC		
SNP_67904B_869	scaffold1723	NW_004516850.1	869	CC	TT	TT	INTERGENIC		
SNP_67906B_1133	scaffold1723	NW_004516850.1	1133	AA	GG	GG	INTERGENIC		
SNP_67907B_1176	scaffold1723	NW_004516850.1	1176	TT	CC	CC	INTERGENIC		
SNP_67908B_1188	scaffold1723	NW_004516850.1	1188	AA	CC	CC	INTERGENIC		
SNP_67909B_1193	scaffold1723	NW_004516850.1	1193	GG	TT	TT	INTERGENIC		
SNP_67910B_1241	scaffold1723	NW_004516850.1	1241	CC	TT	TT	INTERGENIC		
SNP_67911B_1271	scaffold1723	NW_004516850.1	1271	GG	TT	TT	INTERGENIC		
SNP_67913B_1314	scaffold1723	NW_004516850.1	1314	GG	AA	AA	INTERGENIC		
SNP_67914B_1351	scaffold1723	NW_004516850.1	1351	TT	AA	AA	INTERGENIC		
SNP_67915B_1418	scaffold1723	NW_004516850.1	1418	TT	CC	CC	INTERGENIC		
SNP_67916B_1424	scaffold1723	NW_004516850.1	1424	CC	TT	TT	INTERGENIC		
SNP_67917B_1487	scaffold1723	NW_004516850.1	1487	AA	TT	TT	INTERGENIC		
SNP_67918B_1488	scaffold1723	NW_004516850.1	1488	CC	AA	AA	INTERGENIC		
SNP_67919B_1493	scaffold1723	NW_004516850.1	1493	AA	CC	CC	INTERGENIC		
SNP_67920B_1510	scaffold1723	NW_004516850.1	1510	AA	TT	TT	INTERGENIC		
SNP_67921B_1516	scaffold1723	NW_004516850.1	1516	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67922B_1523	scaffold1723	NW_004516850.1	1523	AA	GG	GG	INTERGENIC		
SNP_67923B_90	scaffold1725	NW_004516851.1	90	TT	GG	GG	INTERGENIC		
SNP_67924B_179	scaffold1725	NW_004516851.1	179	CC	GG	GG	INTERGENIC		
SNP_67925B_22112	scaffold1725	NW_004516851.1	22112	TT	CC	CC	INTERGENIC		
SNP_67926B_22140	scaffold1725	NW_004516851.1	22140	TT	GG	GG	INTERGENIC		
SNP_67927B_28648	scaffold1725	NW_004516851.1	28648	AA	CC	CC	INTERGENIC		
SNP_67928B_28662	scaffold1725	NW_004516851.1	28662	AA	TT	TT	INTERGENIC		
SNP_67930B_33511	scaffold1725	NW_004516851.1	33511	AA	GG	GG	DRR	101493307	uncharacterized LOC101493307
SNP_67931B_33594	scaffold1725	NW_004516851.1	33594	GG	AA	AA	NON_SYNONYMOUS_CODING	101493307	uncharacterized LOC101493307
SNP_67932B_33622	scaffold1725	NW_004516851.1	33622	AA	GG	GG	SYNONYMOUS_CODING	101493307	uncharacterized LOC101493307
SNP_67933B_40002	scaffold1725	NW_004516851.1	40002	AA	GG	GG	SYNONYMOUS_CODING	101493628	uncharacterized LOC101493628
SNP_67934B_40012	scaffold1725	NW_004516851.1	40012	TT	CC	CC	SYNONYMOUS_CODING	101493628	uncharacterized LOC101493628
SNP_67935B_40077	scaffold1725	NW_004516851.1	40077	TT	CC	CC	SYNONYMOUS_CODING	101493628	uncharacterized LOC101493628
SNP_67936B_40424	scaffold1725	NW_004516851.1	40424	TT	CC	CC	NON_SYNONYMOUS_CODING	101493628	uncharacterized LOC101493628
SNP_67937B_40432	scaffold1725	NW_004516851.1	40432	AA	GG	GG	NON_SYNONYMOUS_CODING	101493628	uncharacterized LOC101493628
SNP_67938B_40443	scaffold1725	NW_004516851.1	40443	AA	CC	CC	SYNONYMOUS_CODING	101493628	uncharacterized LOC101493628
SNP_67939B_40502	scaffold1725	NW_004516851.1	40502	AA	GG	GG	NON_SYNONYMOUS_CODING	101493628	uncharacterized LOC101493628
SNP_67940B_24475	scaffold1726	NW_004516852.1	24475	AA	GG	GG	INTERGENIC		
SNP_67941B_24529	scaffold1726	NW_004516852.1	24529	TT	GG	GG	INTERGENIC		
SNP_67942B_30749	scaffold1726	NW_004516852.1	30749	GG	AA	AA	INTERGENIC		
SNP_67943B_44699	scaffold1726	NW_004516852.1	44699	GG	AA	AA	INTERGENIC		
SNP_67944B_49179	scaffold1726	NW_004516852.1	49179	AA	TT	TT	INTERGENIC		
SNP_67945B_49200	scaffold1726	NW_004516852.1	49200	AA	GG	GG	INTERGENIC		
SNP_67946B_470	scaffold1729	NW_004516855.1	470	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67947B_522	scaffold1729	NW_004516855.1	522	AA	TT	TT	INTERGENIC		
SNP_67948B_8518	scaffold1729	NW_004516855.1	8518	CC	AA	AA	URR	101497062	Unknown function
SNP_67949B_16161	scaffold1729	NW_004516855.1	16161	CC	TT	TT	INTERGENIC		
SNP_67950B_27503	scaffold1729	NW_004516855.1	27503	TT	GG	GG	DRR	101497728	uncharacterized LOC101497728
SNP_67951B_27505	scaffold1729	NW_004516855.1	27505	TT	GG	GG	DRR	101497728	uncharacterized LOC101497728
SNP_67952B_79849	scaffold1729	NW_004516855.1	79849	AA	GG	GG	DRR	101499366	Unknown function
SNP_67953B_79972	scaffold1729	NW_004516855.1	79972	AA	CC	CC	DRR	101499366	Unknown function
SNP_67954B_80019	scaffold1729	NW_004516855.1	80019	AA	CC	CC	DRR	101499366	Unknown function
SNP_67955B_80056	scaffold1729	NW_004516855.1	80056	TT	GG	GG	DRR	101499366	Unknown function
SNP_67956B_80209	scaffold1729	NW_004516855.1	80209	CC	TT	TT	DRR	101499366	Unknown function
SNP_67957B_80324	scaffold1729	NW_004516855.1	80324	GG	CC	CC	DRR	101499366	Unknown function
SNP_67958B_80332	scaffold1729	NW_004516855.1	80332	AA	GG	GG	DRR	101499366	Unknown function
SNP_67959B_80374	scaffold1729	NW_004516855.1	80374	AA	GG	GG	DRR	101499366	Unknown function
SNP_67960B_80390	scaffold1729	NW_004516855.1	80390	TT	CC	CC	DRR	101499366	Unknown function
SNP_67961B_86090	scaffold1729	NW_004516855.1	86090	TT	CC	CC	INTRON	101499366	Unknown function
SNP_67962B_86481	scaffold1729	NW_004516855.1	86481	AA	GG	GG	INTRON	101499366	Unknown function
SNP_67963B_98574	scaffold1729	NW_004516855.1	98574	TT	CC	CC	INTERGENIC		
SNP_67964B_140244	scaffold1729	NW_004516855.1	140244	CC	GG	GG	URR	101500329	threonine synthase 1, chloroplastic-like
SNP_67965B_12188	scaffold1730	NW_004516856.1	12188	CC	TT	TT	INTERGENIC		
SNP_67966B_12319	scaffold1730	NW_004516856.1	12319	AA	TT	TT	INTERGENIC		
SNP_67970B_28567	scaffold1730	NW_004516856.1	28567	TT	CC	CC	INTERGENIC		
SNP_67971B_28590	scaffold1730	NW_004516856.1	28590	AA	TT	TT	INTERGENIC		
SNP_67972B_28648	scaffold1730	NW_004516856.1	28648	TT	CC	CC	INTERGENIC		
SNP_67973B_28768	scaffold1730	NW_004516856.1	28768	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67974B_28806	scaffold1730	NW_004516856.1	28806	TT	GG	GG	INTERGENIC		
SNP_67975B_28828	scaffold1730	NW_004516856.1	28828	TT	AA	AA	INTERGENIC		
SNP_67976B_28830	scaffold1730	NW_004516856.1	28830	AA	CC	CC	INTERGENIC		
SNP_67977B_28838	scaffold1730	NW_004516856.1	28838	GG	AA	AA	INTERGENIC		
SNP_67978B_28842	scaffold1730	NW_004516856.1	28842	GG	AA	AA	INTERGENIC		
SNP_67979B_28890	scaffold1730	NW_004516856.1	28890	GG	TT	TT	INTERGENIC		
SNP_67980B_32256	scaffold1730	NW_004516856.1	32256	GG	AA	AA	INTERGENIC		
SNP_67981B_32368	scaffold1730	NW_004516856.1	32368	AA	TT	TT	INTERGENIC		
SNP_67982B_33343	scaffold1730	NW_004516856.1	33343	AA	TT	TT	INTERGENIC		
SNP_67983B_33367	scaffold1730	NW_004516856.1	33367	AA	TT	TT	INTERGENIC		
SNP_67984B_34037	scaffold1730	NW_004516856.1	34037	AA	GG	GG	INTERGENIC		
SNP_67985B_34148	scaffold1730	NW_004516856.1	34148	GG	TT	TT	INTERGENIC		
SNP_67986B_47030	scaffold1730	NW_004516856.1	47030	TT	CC	CC	INTERGENIC		
SNP_67987B_52576	scaffold1730	NW_004516856.1	52576	CC	TT	TT	INTERGENIC		
SNP_67988B_52667	scaffold1730	NW_004516856.1	52667	TT	AA	AA	INTERGENIC		
SNP_67989B_52786	scaffold1730	NW_004516856.1	52786	TT	AA	AA	INTERGENIC		
SNP_67990B_58896	scaffold1730	NW_004516856.1	58896	GG	TT	TT	INTERGENIC		
SNP_67991B_58914	scaffold1730	NW_004516856.1	58914	TT	CC	CC	INTERGENIC		
SNP_67992B_67953	scaffold1730	NW_004516856.1	67953	CC	AA	AA	INTERGENIC		
SNP_67993B_69094	scaffold1730	NW_004516856.1	69094	TT	CC	CC	INTERGENIC		
SNP_67994B_70395	scaffold1730	NW_004516856.1	70395	CC	TT	TT	INTERGENIC		
SNP_67995B_72035	scaffold1730	NW_004516856.1	72035	GG	CC	CC	INTERGENIC		
SNP_67996B_72236	scaffold1730	NW_004516856.1	72236	GG	AA	AA	INTERGENIC		
SNP_67997B_72238	scaffold1730	NW_004516856.1	72238	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_67998B_72242	scaffold1730	NW_004516856.1	72242	TT	CC	CC	INTERGENIC		
SNP_67999B_72268	scaffold1730	NW_004516856.1	72268	AA	GG	GG	INTERGENIC		
SNP_68000B_72683	scaffold1730	NW_004516856.1	72683	TT	CC	CC	INTERGENIC		
SNP_68001B_74525	scaffold1730	NW_004516856.1	74525	GG	TT	TT	INTERGENIC		
SNP_68002B_74564	scaffold1730	NW_004516856.1	74564	GG	AA	AA	INTERGENIC		
SNP_68003B_76498	scaffold1730	NW_004516856.1	76498	AA	CC	CC	INTERGENIC		
SNP_68004B_88241	scaffold1730	NW_004516856.1	88241	AA	GG	GG	INTERGENIC		
SNP_68005B_95545	scaffold1730	NW_004516856.1	95545	TT	GG	GG	INTERGENIC		
SNP_68006B_105931	scaffold1730	NW_004516856.1	105931	AA	GG	GG	INTERGENIC		
SNP_68007B_106010	scaffold1730	NW_004516856.1	106010	CC	TT	TT	INTERGENIC		
SNP_68008B_109372	scaffold1730	NW_004516856.1	109372	AA	GG	GG	INTERGENIC		
SNP_68009B_110485	scaffold1730	NW_004516856.1	110485	TT	CC	CC	INTERGENIC		
SNP_68010B_111850	scaffold1730	NW_004516856.1	111850	GG	TT	TT	INTERGENIC		
SNP_68011B_111859	scaffold1730	NW_004516856.1	111859	TT	CC	CC	INTERGENIC		
SNP_68012B_111890	scaffold1730	NW_004516856.1	111890	CC	TT	TT	INTERGENIC		
SNP_68013B_111918	scaffold1730	NW_004516856.1	111918	TT	CC	CC	INTERGENIC		
SNP_68014B_114621	scaffold1730	NW_004516856.1	114621	AA	GG	GG	INTERGENIC		
SNP_68015B_114723	scaffold1730	NW_004516856.1	114723	CC	AA	AA	INTERGENIC		
SNP_68016B_114730	scaffold1730	NW_004516856.1	114730	GG	AA	AA	INTERGENIC		
SNP_68017B_118319	scaffold1730	NW_004516856.1	118319	AA	CC	CC	INTERGENIC		
SNP_68018B_121965	scaffold1730	NW_004516856.1	121965	TT	AA	AA	INTERGENIC		
SNP_68019B_121969	scaffold1730	NW_004516856.1	121969	GG	CC	CC	INTERGENIC		
SNP_68020B_123671	scaffold1730	NW_004516856.1	123671	CC	GG	GG	NON_SYNONYMOUS_CODING	101500645	Unknown function
SNP_68021B_9829	scaffold1731	NW_004516857.1	9829	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68022B_38795	scaffold1731	NW_004516857.1	38795	CC	TT	TT	INTERGENIC		
SNP_68023B_38803	scaffold1731	NW_004516857.1	38803	CC	TT	TT	INTERGENIC		
SNP_68024B_38811	scaffold1731	NW_004516857.1	38811	CC	TT	TT	INTERGENIC		
SNP_68025B_38819	scaffold1731	NW_004516857.1	38819	CC	TT	TT	INTERGENIC		
SNP_68026B_38827	scaffold1731	NW_004516857.1	38827	CC	TT	TT	INTERGENIC		
SNP_68027B_38835	scaffold1731	NW_004516857.1	38835	CC	TT	TT	INTERGENIC		
SNP_68029B_38910	scaffold1731	NW_004516857.1	38910	AA	CC	CC	INTERGENIC		
SNP_68030B_38974	scaffold1731	NW_004516857.1	38974	TT	AA	AA	INTERGENIC		
SNP_68031B_39828	scaffold1731	NW_004516857.1	39828	CC	TT	TT	INTERGENIC		
SNP_68033B_39917	scaffold1731	NW_004516857.1	39917	AA	GG	GG	INTERGENIC		
SNP_68034B_47385	scaffold1731	NW_004516857.1	47385	AA	GG	GG	INTERGENIC		
SNP_68036B_50013	scaffold1731	NW_004516857.1	50013	CC	TT	TT	INTERGENIC		
SNP_68037B_51758	scaffold1731	NW_004516857.1	51758	TT	CC	CC	INTERGENIC		
SNP_68038B_52597	scaffold1731	NW_004516857.1	52597	CC	AA	AA	INTERGENIC		
SNP_68040B_54079	scaffold1731	NW_004516857.1	54079	AA	GG	GG	INTERGENIC		
SNP_68041B_54357	scaffold1731	NW_004516857.1	54357	AA	GG	GG	INTERGENIC		
SNP_68042B_54370	scaffold1731	NW_004516857.1	54370	CC	TT	TT	INTERGENIC		
SNP_68043B_62720	scaffold1731	NW_004516857.1	62720	AA	GG	GG	INTERGENIC		
SNP_68044B_62723	scaffold1731	NW_004516857.1	62723	CC	TT	TT	INTERGENIC		
SNP_68045B_63731	scaffold1731	NW_004516857.1	63731	TT	CC	CC	INTERGENIC		
SNP_68046B_65438	scaffold1731	NW_004516857.1	65438	GG	TT	TT	INTERGENIC		
SNP_68049B_85402	scaffold1731	NW_004516857.1	85402	AA	GG	GG	INTERGENIC		
SNP_68050B_85936	scaffold1731	NW_004516857.1	85936	TT	CC	CC	INTERGENIC		
SNP_68052B_356	scaffold1734	NW_004516858.1	356	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68053B_377	scaffold1734	NW_004516858.1	377	GG	AA	AA	INTERGENIC		
SNP_68054B_415	scaffold1734	NW_004516858.1	415	GG	AA	AA	INTERGENIC		
SNP_68055B_417	scaffold1734	NW_004516858.1	417	GG	AA	AA	INTERGENIC		
SNP_68056B_437	scaffold1734	NW_004516858.1	437	TT	CC	CC	INTERGENIC		
SNP_68057B_462	scaffold1734	NW_004516858.1	462	AA	TT	TT	INTERGENIC		
SNP_68058B_464	scaffold1734	NW_004516858.1	464	CC	TT	TT	INTERGENIC		
SNP_68059B_6582	scaffold1734	NW_004516858.1	6582	TT	CC	CC	INTERGENIC		
SNP_68060B_6599	scaffold1734	NW_004516858.1	6599	TT	CC	CC	INTERGENIC		
SNP_68061B_7138	scaffold1734	NW_004516858.1	7138	CC	TT	TT	INTERGENIC		
SNP_68062B_7393	scaffold1734	NW_004516858.1	7393	GG	TT	TT	INTERGENIC		
SNP_68063B_7595	scaffold1734	NW_004516858.1	7595	AA	GG	GG	INTERGENIC		
SNP_68064B_7596	scaffold1734	NW_004516858.1	7596	TT	AA	AA	INTERGENIC		
SNP_68065B_7819	scaffold1734	NW_004516858.1	7819	CC	TT	TT	INTERGENIC		
SNP_68066B_7891	scaffold1734	NW_004516858.1	7891	CC	AA	AA	INTERGENIC		
SNP_68067B_8073	scaffold1734	NW_004516858.1	8073	AA	TT	TT	INTERGENIC		
SNP_68068B_9961	scaffold1734	NW_004516858.1	9961	AA	TT	TT	INTERGENIC		
SNP_68069B_10087	scaffold1734	NW_004516858.1	10087	TT	CC	CC	INTERGENIC		
SNP_68070B_10323	scaffold1734	NW_004516858.1	10323	GG	AA	AA	INTERGENIC		
SNP_68071B_10335	scaffold1734	NW_004516858.1	10335	AA	TT	TT	INTERGENIC		
SNP_68072B_10362	scaffold1734	NW_004516858.1	10362	TT	CC	CC	INTERGENIC		
SNP_68073B_10471	scaffold1734	NW_004516858.1	10471	TT	CC	CC	INTERGENIC		
SNP_68074B_10583	scaffold1734	NW_004516858.1	10583	GG	AA	AA	INTERGENIC		
SNP_68075B_7728	scaffold1736	NW_004516859.1	7728	TT	CC	CC	INTERGENIC		
SNP_68076B_8334	scaffold1736	NW_004516859.1	8334	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68077B_8742	scaffold1736	NW_004516859.1	8742	TT	CC	CC	INTERGENIC		
SNP_68078B_8792	scaffold1736	NW_004516859.1	8792	GG	AA	AA	INTERGENIC		
SNP_68079B_17304	scaffold1736	NW_004516859.1	17304	TT	CC	CC	INTERGENIC		
SNP_68080B_1338	scaffold1739	NW_004516861.1	1338	AA	GG	GG	INTERGENIC		
SNP_68082B_929	scaffold1740	NW_004516862.1	929	TT	GG	GG	INTERGENIC		
SNP_68083B_1026	scaffold1740	NW_004516862.1	1026	GG	AA	AA	INTERGENIC		
SNP_68084B_1495	scaffold1740	NW_004516862.1	1495	GG	TT	TT	INTERGENIC		
SNP_68085B_2186	scaffold1740	NW_004516862.1	2186	GG	TT	TT	INTERGENIC		
SNP_68086B_2422	scaffold1740	NW_004516862.1	2422	GG	AA	AA	INTERGENIC		
SNP_68087B_2428	scaffold1740	NW_004516862.1	2428	TT	CC	CC	INTERGENIC		
SNP_68088B_2462	scaffold1740	NW_004516862.1	2462	GG	AA	AA	INTERGENIC		
SNP_68090B_4907	scaffold1740	NW_004516862.1	4907	CC	AA	AA	INTERGENIC		
SNP_68091B_5017	scaffold1740	NW_004516862.1	5017	GG	CC	CC	INTERGENIC		
SNP_68092B_5058	scaffold1740	NW_004516862.1	5058	CC	TT	TT	INTERGENIC		
SNP_68093B_5084	scaffold1740	NW_004516862.1	5084	GG	TT	TT	INTERGENIC		
SNP_68094B_5247	scaffold1740	NW_004516862.1	5247	CC	TT	TT	INTERGENIC		
SNP_68095B_5248	scaffold1740	NW_004516862.1	5248	GG	AA	AA	INTERGENIC		
SNP_68096B_5277	scaffold1740	NW_004516862.1	5277	GG	AA	AA	INTERGENIC		
SNP_68097B_16506	scaffold1740	NW_004516862.1	16506	TT	GG	GG	INTERGENIC		
SNP_68098B_16526	scaffold1740	NW_004516862.1	16526	TT	CC	CC	INTERGENIC		
SNP_68099B_4820	scaffold1742	NW_004516863.1	4820	GG	AA	AA	INTERGENIC		
SNP_68100B_3635	scaffold1745	NW_004516866.1	3635	CC	TT	TT	INTERGENIC		
SNP_68101B_4908	scaffold1745	NW_004516866.1	4908	AA	GG	GG	INTERGENIC		
SNP_68102B_5069	scaffold1745	NW_004516866.1	5069	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68103B_59718	scaffold1750	NW_004516870.1	59718	GG	AA	AA	INTERGENIC		
SNP_68104B_113141	scaffold1750	NW_004516870.1	113141	CC	TT	TT	INTERGENIC		
SNP_68105B_113258	scaffold1750	NW_004516870.1	113258	AA	GG	GG	INTERGENIC		
SNP_68106B_151751	scaffold1750	NW_004516870.1	151751	TT	CC	CC	INTERGENIC		
SNP_68107B_151810	scaffold1750	NW_004516870.1	151810	AA	GG	GG	INTERGENIC		
SNP_68108B_152168	scaffold1750	NW_004516870.1	152168	CC	AA	AA	INTERGENIC		
SNP_68109B_152202	scaffold1750	NW_004516870.1	152202	GG	TT	TT	INTERGENIC		
SNP_68110B_236063	scaffold1750	NW_004516870.1	236063	AA	CC	CC	INTERGENIC		
SNP_68111B_236652	scaffold1750	NW_004516870.1	236652	GG	AA	AA	INTERGENIC		
SNP_68112B_237017	scaffold1750	NW_004516870.1	237017	GG	AA	AA	INTERGENIC		
SNP_68113B_258882	scaffold1750	NW_004516870.1	258882	CC	TT	TT	URR	101504157	ubiquitin-fold modifier 1
SNP_68114B_2900	scaffold1751	NW_004516871.1	2900	TT	AA	AA	INTERGENIC		
SNP_68115B_6165	scaffold1751	NW_004516871.1	6165	TT	AA	AA	INTERGENIC		
SNP_68116B_6177	scaffold1751	NW_004516871.1	6177	TT	AA	AA	INTERGENIC		
SNP_68117B_6226	scaffold1751	NW_004516871.1	6226	TT	AA	AA	INTERGENIC		
SNP_68118B_9041	scaffold1751	NW_004516871.1	9041	AA	GG	GG	INTERGENIC		
SNP_68119B_11670	scaffold1751	NW_004516871.1	11670	AA	CC	CC	INTERGENIC		
SNP_68120B_14860	scaffold1751	NW_004516871.1	14860	CC	AA	AA	INTERGENIC		
SNP_68122B_15633	scaffold1751	NW_004516871.1	15633	AA	CC	CC	INTERGENIC		
SNP_68123B_15689	scaffold1751	NW_004516871.1	15689	CC	AA	AA	INTERGENIC		
SNP_68124B_38362	scaffold1751	NW_004516871.1	38362	AA	TT	TT	INTERGENIC		
SNP_68125B_41281	scaffold1751	NW_004516871.1	41281	AA	TT	TT	INTERGENIC		
SNP_68126B_63359	scaffold1751	NW_004516871.1	63359	AA	TT	TT	INTERGENIC		
SNP_68127B_63373	scaffold1751	NW_004516871.1	63373	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68128B_63376	scaffold1751	NW_004516871.1	63376	TT	GG	GG	INTERGENIC		
SNP_68129B_63441	scaffold1751	NW_004516871.1	63441	TT	CC	CC	INTERGENIC		
SNP_68130B_63487	scaffold1751	NW_004516871.1	63487	CC	TT	TT	INTERGENIC		
SNP_68131B_65096	scaffold1751	NW_004516871.1	65096	TT	CC	CC	INTERGENIC		
SNP_68132B_65302	scaffold1751	NW_004516871.1	65302	GG	AA	AA	INTERGENIC		
SNP_68133B_65314	scaffold1751	NW_004516871.1	65314	AA	TT	TT	INTERGENIC		
SNP_68134B_65323	scaffold1751	NW_004516871.1	65323	CC	TT	TT	INTERGENIC		
SNP_68135B_65332	scaffold1751	NW_004516871.1	65332	TT	CC	CC	INTERGENIC		
SNP_68136B_65334	scaffold1751	NW_004516871.1	65334	AA	GG	GG	INTERGENIC		
SNP_68137B_65338	scaffold1751	NW_004516871.1	65338	TT	CC	CC	INTERGENIC		
SNP_68138B_65356	scaffold1751	NW_004516871.1	65356	GG	AA	AA	INTERGENIC		
SNP_68139B_68958	scaffold1751	NW_004516871.1	68958	CC	TT	TT	INTERGENIC		
SNP_68140B_68962	scaffold1751	NW_004516871.1	68962	CC	TT	TT	INTERGENIC		
SNP_68141B_68991	scaffold1751	NW_004516871.1	68991	GG	AA	AA	INTERGENIC		
SNP_68142B_69036	scaffold1751	NW_004516871.1	69036	AA	GG	GG	INTERGENIC		
SNP_68143B_69103	scaffold1751	NW_004516871.1	69103	AA	GG	GG	INTERGENIC		
SNP_68144B_73398	scaffold1751	NW_004516871.1	73398	AA	TT	TT	INTERGENIC		
SNP_68145B_127615	scaffold1751	NW_004516871.1	127615	AA	CC	CC	INTERGENIC		
SNP_68146B_144109	scaffold1751	NW_004516871.1	144109	CC	GG	GG	INTERGENIC		
SNP_68147B_144337	scaffold1751	NW_004516871.1	144337	CC	TT	TT	INTERGENIC		
SNP_68148B_147212	scaffold1751	NW_004516871.1	147212	AA	CC	CC	INTERGENIC		
SNP_68149B_159199	scaffold1751	NW_004516871.1	159199	GG	TT	TT	INTERGENIC		
SNP_68150B_159208	scaffold1751	NW_004516871.1	159208	GG	TT	TT	INTERGENIC		
SNP_68151B_159227	scaffold1751	NW_004516871.1	159227	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68152B_159617	scaffold1751	NW_004516871.1	159617	CC	TT	TT	INTERGENIC		
SNP_68153B_194210	scaffold1751	NW_004516871.1	194210	AA	GG	GG	INTERGENIC		
SNP_68154B_201478	scaffold1751	NW_004516871.1	201478	CC	TT	TT	DRR	101509184	uncharacterized LOC101509184
SNP_68155B_316880	scaffold1751	NW_004516871.1	316880	GG	AA	AA	DRR	101510467	zinc finger MYM-type protein 1-like
SNP_68156B_349443	scaffold1751	NW_004516871.1	349443	GG	AA	AA	INTERGENIC		
SNP_68157B_362158	scaffold1751	NW_004516871.1	362158	AA	GG	GG	INTRON	101511120	uncharacterized LOC101511120
SNP_68158B_381808	scaffold1751	NW_004516871.1	381808	CC	GG	GG	INTERGENIC		
SNP_68159B_390831	scaffold1751	NW_004516871.1	390831	CC	AA	AA	INTERGENIC		
SNP_68160B_423682	scaffold1751	NW_004516871.1	423682	CC	TT	TT	INTERGENIC		
SNP_68161B_423736	scaffold1751	NW_004516871.1	423736	TT	CC	CC	INTERGENIC		
SNP_68162B_426264	scaffold1751	NW_004516871.1	426264	AA	GG	GG	INTERGENIC		
SNP_68163B_426293	scaffold1751	NW_004516871.1	426293	GG	TT	TT	INTERGENIC		
SNP_68164B_448976	scaffold1751	NW_004516871.1	448976	AA	GG	GG	INTERGENIC		
SNP_68165B_448991	scaffold1751	NW_004516871.1	448991	GG	AA	AA	INTERGENIC		
SNP_68166B_449089	scaffold1751	NW_004516871.1	449089	CC	TT	TT	INTERGENIC		
SNP_68167B_547001	scaffold1751	NW_004516871.1	547001	GG	CC	CC	INTERGENIC		
SNP_68168B_624820	scaffold1751	NW_004516871.1	624820	TT	CC	CC	INTERGENIC		
SNP_68169B_631374	scaffold1751	NW_004516871.1	631374	TT	CC	CC	INTERGENIC		
SNP_68170B_631505	scaffold1751	NW_004516871.1	631505	AA	GG	GG	INTERGENIC		
SNP_68171B_631894	scaffold1751	NW_004516871.1	631894	TT	AA	AA	INTERGENIC		
SNP_68172B_631982	scaffold1751	NW_004516871.1	631982	TT	AA	AA	INTERGENIC		
SNP_68173B_632104	scaffold1751	NW_004516871.1	632104	GG	AA	AA	INTERGENIC		
SNP_68174B_632720	scaffold1751	NW_004516871.1	632720	GG	AA	AA	INTERGENIC		
SNP_68175B_396	scaffold1752	NW_004516872.1	396	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68176B_825	scaffold1752	NW_004516872.1	825	TT	CC	CC	INTERGENIC		
SNP_68177B_4861	scaffold1754	NW_004516873.1	4861	TT	CC	CC	INTERGENIC		
SNP_68178B_4919	scaffold1754	NW_004516873.1	4919	TT	GG	GG	INTERGENIC		
SNP_68179B_6397	scaffold1754	NW_004516873.1	6397	TT	GG	GG	INTERGENIC		
SNP_68180B_6491	scaffold1754	NW_004516873.1	6491	TT	AA	AA	INTERGENIC		
SNP_68181B_6513	scaffold1754	NW_004516873.1	6513	TT	CC	CC	INTERGENIC		
SNP_68182B_6638	scaffold1754	NW_004516873.1	6638	GG	AA	AA	INTERGENIC		
SNP_68183B_6716	scaffold1754	NW_004516873.1	6716	TT	GG	GG	INTERGENIC		
SNP_68184B_6939	scaffold1754	NW_004516873.1	6939	GG	TT	TT	INTERGENIC		
SNP_68185B_6963	scaffold1754	NW_004516873.1	6963	AA	CC	CC	INTERGENIC		
SNP_68186B_6972	scaffold1754	NW_004516873.1	6972	GG	AA	AA	INTERGENIC		
SNP_68187B_10460	scaffold1755	NW_004516874.1	10460	GG	AA	AA	INTERGENIC		
SNP_68188B_10487	scaffold1755	NW_004516874.1	10487	AA	TT	TT	INTERGENIC		
SNP_68189B_10901	scaffold1755	NW_004516874.1	10901	AA	GG	GG	INTERGENIC		
SNP_68190B_17971	scaffold1755	NW_004516874.1	17971	GG	AA	AA	DRR	101512301	Unknown function
SNP_68191B_24017	scaffold1755	NW_004516874.1	24017	TT	GG	GG	URR	101512301	Unknown function
SNP_68192B_33192	scaffold1755	NW_004516874.1	33192	CC	AA	AA	INTERGENIC		
SNP_68193B_126132	scaffold1755	NW_004516874.1	126132	CC	GG	GG	INTERGENIC		
SNP_68194B_126272	scaffold1755	NW_004516874.1	126272	AA	GG	GG	INTERGENIC		
SNP_68195B_126750	scaffold1755	NW_004516874.1	126750	TT	CC	CC	INTERGENIC		
SNP_68196B_126796	scaffold1755	NW_004516874.1	126796	CC	TT	TT	INTERGENIC		
SNP_68197B_126805	scaffold1755	NW_004516874.1	126805	AA	CC	CC	INTERGENIC		
SNP_68198B_127838	scaffold1755	NW_004516874.1	127838	CC	AA	AA	INTERGENIC		
SNP_68199B_128707	scaffold1755	NW_004516874.1	128707	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68201B_129030	scaffold1755	NW_004516874.1	129030	AA	GG	GG	INTERGENIC		
SNP_68202B_129036	scaffold1755	NW_004516874.1	129036	TT	AA	AA	INTERGENIC		
SNP_68203B_129054	scaffold1755	NW_004516874.1	129054	TT	CC	CC	INTERGENIC		
SNP_68204B_129077	scaffold1755	NW_004516874.1	129077	AA	CC	CC	INTERGENIC		
SNP_68205B_129084	scaffold1755	NW_004516874.1	129084	TT	GG	GG	INTERGENIC		
SNP_68206B_129091	scaffold1755	NW_004516874.1	129091	TT	GG	GG	INTERGENIC		
SNP_68207B_129093	scaffold1755	NW_004516874.1	129093	CC	GG	GG	INTERGENIC		
SNP_68208B_129130	scaffold1755	NW_004516874.1	129130	AA	GG	GG	INTERGENIC		
SNP_68210B_129151	scaffold1755	NW_004516874.1	129151	TT	CC	CC	INTERGENIC		
SNP_68211B_165	scaffold1756	NW_004516875.1	165	GG	AA	AA	INTERGENIC		
SNP_68212B_172	scaffold1756	NW_004516875.1	172	TT	GG	GG	INTERGENIC		
SNP_68213B_372	scaffold1756	NW_004516875.1	372	GG	AA	AA	INTERGENIC		
SNP_68214B_922	scaffold1756	NW_004516875.1	922	TT	AA	AA	INTERGENIC		
SNP_68215B_937	scaffold1756	NW_004516875.1	937	GG	TT	TT	INTERGENIC		
SNP_68216B_974	scaffold1756	NW_004516875.1	974	CC	TT	TT	INTERGENIC		
SNP_68217B_1351	scaffold1756	NW_004516875.1	1351	GG	AA	AA	INTERGENIC		
SNP_68218B_3215	scaffold1756	NW_004516875.1	3215	GG	AA	AA	INTERGENIC		
SNP_68219B_4095	scaffold1756	NW_004516875.1	4095	CC	GG	GG	INTERGENIC		
SNP_68220B_4677	scaffold1756	NW_004516875.1	4677	GG	AA	AA	INTERGENIC		
SNP_68221B_4787	scaffold1756	NW_004516875.1	4787	GG	AA	AA	INTERGENIC		
SNP_68222B_5156	scaffold1756	NW_004516875.1	5156	CC	TT	TT	INTERGENIC		
SNP_68224B_6600	scaffold1756	NW_004516875.1	6600	CC	TT	TT	INTERGENIC		
SNP_68226B_86108	scaffold1756	NW_004516875.1	86108	CC	AA	AA	INTERGENIC		
SNP_68227B_86525	scaffold1756	NW_004516875.1	86525	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68228B_86544	scaffold1756	NW_004516875.1	86544	AA	GG	GG	INTERGENIC		
SNP_68230B_1271	scaffold1757	NW_004516876.1	1271	GG	AA	AA	INTERGENIC		
SNP_68231B_1272	scaffold1757	NW_004516876.1	1272	CC	TT	TT	INTERGENIC		
SNP_68232B_1274	scaffold1757	NW_004516876.1	1274	TT	AA	AA	INTERGENIC		
SNP_68233B_1275	scaffold1757	NW_004516876.1	1275	GG	TT	TT	INTERGENIC		
SNP_68234B_1306	scaffold1757	NW_004516876.1	1306	AA	TT	TT	INTERGENIC		
SNP_68235B_1307	scaffold1757	NW_004516876.1	1307	TT	AA	AA	INTERGENIC		
SNP_68236B_1805	scaffold1757	NW_004516876.1	1805	GG	AA	AA	INTERGENIC		
SNP_68237B_1863	scaffold1757	NW_004516876.1	1863	TT	AA	AA	INTERGENIC		
SNP_68238B_1938	scaffold1757	NW_004516876.1	1938	TT	GG	GG	INTERGENIC		
SNP_68239B_1946	scaffold1757	NW_004516876.1	1946	CC	TT	TT	INTERGENIC		
SNP_68240B_2123	scaffold1757	NW_004516876.1	2123	GG	AA	AA	INTERGENIC		
SNP_68241B_2179	scaffold1757	NW_004516876.1	2179	AA	TT	TT	INTERGENIC		
SNP_68242B_2406	scaffold1757	NW_004516876.1	2406	TT	AA	AA	INTERGENIC		
SNP_68243B_16538	scaffold1757	NW_004516876.1	16538	TT	CC	CC	INTERGENIC		
SNP_68244B_16576	scaffold1757	NW_004516876.1	16576	AA	GG	GG	INTERGENIC		
SNP_68245B_16840	scaffold1757	NW_004516876.1	16840	TT	AA	AA	INTERGENIC		
SNP_68246B_25272	scaffold1757	NW_004516876.1	25272	TT	CC	CC	INTERGENIC		
SNP_68247B_25296	scaffold1757	NW_004516876.1	25296	AA	TT	TT	INTERGENIC		
SNP_68248B_25364	scaffold1757	NW_004516876.1	25364	CC	AA	AA	INTERGENIC		
SNP_68249B_25592	scaffold1757	NW_004516876.1	25592	TT	CC	CC	INTERGENIC		
SNP_68250B_26318	scaffold1757	NW_004516876.1	26318	CC	AA	AA	INTERGENIC		
SNP_68251B_31732	scaffold1757	NW_004516876.1	31732	AA	CC	CC	INTERGENIC		
SNP_68252B_31742	scaffold1757	NW_004516876.1	31742	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68253B_151638	scaffold1757	NW_004516876.1	151638	CC	TT	TT	NON_SYNONYMOUS_CODING	101515545	cucumisin-like
SNP_68254B_151841	scaffold1757	NW_004516876.1	151841	CC	AA	AA	INTRON	101515545	cucumisin-like
SNP_68255B_3883	scaffold1761	NW_004516877.1	3883	TT	CC	CC	INTERGENIC		
SNP_68256B_3909	scaffold1761	NW_004516877.1	3909	CC	TT	TT	INTERGENIC		
SNP_68257B_3915	scaffold1761	NW_004516877.1	3915	AA	CC	CC	INTERGENIC		
SNP_68258B_3923	scaffold1761	NW_004516877.1	3923	GG	TT	TT	INTERGENIC		
SNP_68259B_4005	scaffold1761	NW_004516877.1	4005	AA	CC	CC	INTERGENIC		
SNP_68260B_4014	scaffold1761	NW_004516877.1	4014	TT	CC	CC	INTERGENIC		
SNP_68261B_4140	scaffold1761	NW_004516877.1	4140	AA	GG	GG	INTERGENIC		
SNP_68262B_4216	scaffold1761	NW_004516877.1	4216	TT	CC	CC	INTERGENIC		
SNP_68263B_4262	scaffold1761	NW_004516877.1	4262	CC	AA	AA	INTERGENIC		
SNP_68264B_4266	scaffold1761	NW_004516877.1	4266	AA	CC	CC	INTERGENIC		
SNP_68265B_4284	scaffold1761	NW_004516877.1	4284	GG	TT	TT	INTERGENIC		
SNP_68266B_4294	scaffold1761	NW_004516877.1	4294	TT	CC	CC	INTERGENIC		
SNP_68267B_4352	scaffold1761	NW_004516877.1	4352	TT	AA	AA	INTERGENIC		
SNP_68268B_10869	scaffold1761	NW_004516877.1	10869	AA	GG	GG	INTERGENIC		
SNP_68269B_10919	scaffold1761	NW_004516877.1	10919	CC	TT	TT	INTERGENIC		
SNP_68270B_11320	scaffold1761	NW_004516877.1	11320	TT	CC	CC	INTERGENIC		
SNP_68271B_11372	scaffold1761	NW_004516877.1	11372	TT	CC	CC	INTERGENIC		
SNP_68272B_11415	scaffold1761	NW_004516877.1	11415	TT	AA	AA	INTERGENIC		
SNP_68273B_88805	scaffold1761	NW_004516877.1	88805	AA	GG	GG	INTERGENIC		
SNP_68274B_2220	scaffold1763	NW_004516879.1	2220	CC	TT	TT	INTERGENIC		
SNP_68275B_8481	scaffold1763	NW_004516879.1	8481	TT	CC	CC	INTERGENIC		
SNP_68276B_10551	scaffold1763	NW_004516879.1	10551	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68277B_10578	scaffold1763	NW_004516879.1	10578	AA	CC	CC	INTERGENIC		
SNP_68278B_19142	scaffold1763	NW_004516879.1	19142	GG	AA	AA	INTERGENIC		
SNP_68279B_19167	scaffold1763	NW_004516879.1	19167	AA	TT	TT	INTERGENIC		
SNP_68280B_19169	scaffold1763	NW_004516879.1	19169	AA	TT	TT	INTERGENIC		
SNP_68281B_19194	scaffold1763	NW_004516879.1	19194	TT	CC	CC	INTERGENIC		
SNP_68282B_19261	scaffold1763	NW_004516879.1	19261	AA	TT	TT	INTERGENIC		
SNP_68283B_19425	scaffold1763	NW_004516879.1	19425	AA	CC	CC	INTERGENIC		
SNP_68284B_21683	scaffold1763	NW_004516879.1	21683	GG	TT	TT	INTERGENIC		
SNP_68285B_690	scaffold1767	NW_004516880.1	690	TT	CC	CC	INTERGENIC		
SNP_68286B_814	scaffold1767	NW_004516880.1	814	GG	TT	TT	INTERGENIC		
SNP_68287B_6091	scaffold1767	NW_004516880.1	6091	GG	AA	AA	INTERGENIC		
SNP_68288B_6361	scaffold1767	NW_004516880.1	6361	AA	TT	TT	INTERGENIC		
SNP_68289B_6920	scaffold1767	NW_004516880.1	6920	AA	GG	GG	INTERGENIC		
SNP_68290B_7051	scaffold1767	NW_004516880.1	7051	AA	GG	GG	INTERGENIC		
SNP_68291B_7161	scaffold1767	NW_004516880.1	7161	GG	AA	AA	INTERGENIC		
SNP_68292B_8910	scaffold1767	NW_004516880.1	8910	TT	CC	CC	INTERGENIC		
SNP_68293B_8923	scaffold1767	NW_004516880.1	8923	GG	AA	AA	INTERGENIC		
SNP_68294B_15112	scaffold1767	NW_004516880.1	15112	GG	AA	AA	INTERGENIC		
SNP_68295B_16716	scaffold1767	NW_004516880.1	16716	GG	AA	AA	INTERGENIC		
SNP_68296B_25238	scaffold1767	NW_004516880.1	25238	TT	GG	GG	INTERGENIC		
SNP_68297B_25375	scaffold1767	NW_004516880.1	25375	GG	TT	TT	INTERGENIC		
SNP_68298B_41843	scaffold1767	NW_004516880.1	41843	CC	TT	TT	INTERGENIC		
SNP_68299B_619	scaffold1768	NW_004516881.1	619	CC	TT	TT	INTERGENIC		
SNP_68300B_983	scaffold1768	NW_004516881.1	983	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68301B_1393	scaffold1768	NW_004516881.1	1393	GG	AA	AA	INTERGENIC		
SNP_68302B_1467	scaffold1768	NW_004516881.1	1467	CC	TT	TT	INTERGENIC		
SNP_68303B_1752	scaffold1768	NW_004516881.1	1752	TT	CC	CC	INTERGENIC		
SNP_68304B_12690	scaffold1768	NW_004516881.1	12690	AA	CC	CC	INTERGENIC		
SNP_68305B_29427	scaffold1768	NW_004516881.1	29427	TT	CC	CC	INTERGENIC		
SNP_68306B_29747	scaffold1768	NW_004516881.1	29747	AA	CC	CC	INTERGENIC		
SNP_68307B_29901	scaffold1768	NW_004516881.1	29901	TT	CC	CC	INTERGENIC		
SNP_68308B_3377	scaffold1769	NW_004516882.1	3377	GG	AA	AA	INTERGENIC		
SNP_68309B_3407	scaffold1769	NW_004516882.1	3407	AA	GG	GG	INTERGENIC		
SNP_68310B_3548	scaffold1769	NW_004516882.1	3548	TT	GG	GG	INTERGENIC		
SNP_68311B_3705	scaffold1769	NW_004516882.1	3705	TT	AA	AA	INTERGENIC		
SNP_68312B_3724	scaffold1769	NW_004516882.1	3724	AA	TT	TT	INTERGENIC		
SNP_68313B_3725	scaffold1769	NW_004516882.1	3725	TT	GG	GG	INTERGENIC		
SNP_68314B_4198	scaffold1769	NW_004516882.1	4198	CC	GG	GG	INTERGENIC		
SNP_68315B_5703	scaffold1771	NW_004516884.1	5703	GG	AA	AA	INTERGENIC		
SNP_68316B_5878	scaffold1771	NW_004516884.1	5878	GG	AA	AA	INTERGENIC		
SNP_68317B_5886	scaffold1771	NW_004516884.1	5886	TT	CC	CC	INTERGENIC		
SNP_68318B_5896	scaffold1771	NW_004516884.1	5896	TT	CC	CC	INTERGENIC		
SNP_68319B_5905	scaffold1771	NW_004516884.1	5905	GG	AA	AA	INTERGENIC		
SNP_68320B_5914	scaffold1771	NW_004516884.1	5914	GG	CC	CC	INTERGENIC		
SNP_68321B_5916	scaffold1771	NW_004516884.1	5916	GG	AA	AA	INTERGENIC		
SNP_68322B_5923	scaffold1771	NW_004516884.1	5923	CC	TT	TT	INTERGENIC		
SNP_68323B_5932	scaffold1771	NW_004516884.1	5932	CC	TT	TT	INTERGENIC		
SNP_68324B_5941	scaffold1771	NW_004516884.1	5941	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68325B_5953	scaffold1771	NW_004516884.1	5953	TT	CC	CC	INTERGENIC		
SNP_68326B_5965	scaffold1771	NW_004516884.1	5965	TT	CC	CC	INTERGENIC		
SNP_68327B_6894	scaffold1771	NW_004516884.1	6894	CC	TT	TT	INTERGENIC		
SNP_68328B_7083	scaffold1771	NW_004516884.1	7083	TT	CC	CC	INTERGENIC		
SNP_68329B_7084	scaffold1771	NW_004516884.1	7084	AA	GG	GG	INTERGENIC		
SNP_68330B_7104	scaffold1771	NW_004516884.1	7104	GG	TT	TT	INTERGENIC		
SNP_68331B_7455	scaffold1771	NW_004516884.1	7455	CC	TT	TT	INTERGENIC		
SNP_68332B_11187	scaffold1771	NW_004516884.1	11187	CC	GG	GG	INTERGENIC		
SNP_68333B_16378	scaffold1771	NW_004516884.1	16378	GG	AA	AA	INTERGENIC		
SNP_68334B_83811	scaffold1771	NW_004516884.1	83811	TT	CC	CC	INTERGENIC		
SNP_68335B_847	scaffold1773	NW_004516886.1	847	TT	AA	AA	INTERGENIC		
SNP_68336B_2403	scaffold1773	NW_004516886.1	2403	CC	AA	AA	INTERGENIC		
SNP_68337B_2942	scaffold1773	NW_004516886.1	2942	CC	TT	TT	INTERGENIC		
SNP_68338B_3311	scaffold1773	NW_004516886.1	3311	TT	GG	GG	INTERGENIC		
SNP_68339B_4498	scaffold1773	NW_004516886.1	4498	TT	CC	CC	INTERGENIC		
SNP_68341B_5390	scaffold1773	NW_004516886.1	5390	GG	TT	TT	INTERGENIC		
SNP_68342B_8102	scaffold1773	NW_004516886.1	8102	AA	TT	TT	INTERGENIC		
SNP_68343B_8644	scaffold1773	NW_004516886.1	8644	AA	GG	GG	INTERGENIC		
SNP_68344B_8739	scaffold1773	NW_004516886.1	8739	AA	GG	GG	INTERGENIC		
SNP_68345B_8746	scaffold1773	NW_004516886.1	8746	AA	TT	TT	INTERGENIC		
SNP_68346B_8762	scaffold1773	NW_004516886.1	8762	AA	TT	TT	INTERGENIC		
SNP_68347B_8778	scaffold1773	NW_004516886.1	8778	AA	GG	GG	INTERGENIC		
SNP_68348B_8779	scaffold1773	NW_004516886.1	8779	AA	GG	GG	INTERGENIC		
SNP_68349B_8782	scaffold1773	NW_004516886.1	8782	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68350B_9108	scaffold1773	NW_004516886.1	9108	AA	TT	TT	INTERGENIC		
SNP_68351B_9876	scaffold1773	NW_004516886.1	9876	TT	AA	AA	INTERGENIC		
SNP_68352B_9932	scaffold1773	NW_004516886.1	9932	GG	AA	AA	INTERGENIC		
SNP_68353B_9934	scaffold1773	NW_004516886.1	9934	CC	AA	AA	INTERGENIC		
SNP_68354B_10257	scaffold1773	NW_004516886.1	10257	AA	TT	TT	INTERGENIC		
SNP_68355B_10821	scaffold1773	NW_004516886.1	10821	CC	TT	TT	INTERGENIC		
SNP_68356B_10831	scaffold1773	NW_004516886.1	10831	CC	AA	AA	INTERGENIC		
SNP_68357B_11740	scaffold1773	NW_004516886.1	11740	CC	TT	TT	INTERGENIC		
SNP_68358B_13315	scaffold1773	NW_004516886.1	13315	GG	TT	TT	INTERGENIC		
SNP_68360B_14182	scaffold1773	NW_004516886.1	14182	GG	AA	AA	INTERGENIC		
SNP_68361B_15718	scaffold1773	NW_004516886.1	15718	TT	AA	AA	INTERGENIC		
SNP_68362B_15954	scaffold1773	NW_004516886.1	15954	TT	CC	CC	INTERGENIC		
SNP_68363B_16001	scaffold1773	NW_004516886.1	16001	AA	TT	TT	INTERGENIC		
SNP_68364B_16224	scaffold1773	NW_004516886.1	16224	GG	TT	TT	INTERGENIC		
SNP_68365B_16309	scaffold1773	NW_004516886.1	16309	GG	AA	AA	INTERGENIC		
SNP_68366B_16316	scaffold1773	NW_004516886.1	16316	AA	TT	TT	INTERGENIC		
SNP_68367B_16390	scaffold1773	NW_004516886.1	16390	AA	GG	GG	INTERGENIC		
SNP_68368B_16537	scaffold1773	NW_004516886.1	16537	TT	CC	CC	INTERGENIC		
SNP_68369B_17822	scaffold1773	NW_004516886.1	17822	GG	AA	AA	INTERGENIC		
SNP_68370B_18124	scaffold1773	NW_004516886.1	18124	AA	TT	TT	INTERGENIC		
SNP_68371B_19827	scaffold1773	NW_004516886.1	19827	CC	TT	TT	INTERGENIC		
SNP_68372B_26089	scaffold1773	NW_004516886.1	26089	AA	GG	GG	INTERGENIC		
SNP_68373B_26094	scaffold1773	NW_004516886.1	26094	AA	GG	GG	INTERGENIC		
SNP_68374B_26107	scaffold1773	NW_004516886.1	26107	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68375B_28769	scaffold1773	NW_004516886.1	28769	CC	AA	AA	INTERGENIC		
SNP_68376B_29444	scaffold1773	NW_004516886.1	29444	CC	AA	AA	INTERGENIC		
SNP_68377B_30421	scaffold1773	NW_004516886.1	30421	CC	TT	TT	INTERGENIC		
SNP_68378B_30734	scaffold1773	NW_004516886.1	30734	TT	AA	AA	INTERGENIC		
SNP_68379B_30766	scaffold1773	NW_004516886.1	30766	AA	TT	TT	INTERGENIC		
SNP_68380B_31139	scaffold1773	NW_004516886.1	31139	AA	GG	GG	INTERGENIC		
SNP_68381B_32977	scaffold1773	NW_004516886.1	32977	CC	TT	TT	INTERGENIC		
SNP_68382B_34487	scaffold1773	NW_004516886.1	34487	GG	AA	AA	INTERGENIC		
SNP_68383B_35303	scaffold1773	NW_004516886.1	35303	CC	TT	TT	INTERGENIC		
SNP_68384B_35543	scaffold1773	NW_004516886.1	35543	GG	AA	AA	INTERGENIC		
SNP_68385B_35674	scaffold1773	NW_004516886.1	35674	TT	CC	CC	INTERGENIC		
SNP_68386B_49140	scaffold1773	NW_004516886.1	49140	CC	AA	AA	INTERGENIC		
SNP_68387B_14351	scaffold1776	NW_004516888.1	14351	AA	GG	GG	INTERGENIC		
SNP_68388B_14474	scaffold1776	NW_004516888.1	14474	AA	CC	CC	INTERGENIC		
SNP_68389B_16317	scaffold1776	NW_004516888.1	16317	TT	CC	CC	INTERGENIC		
SNP_68390B_16544	scaffold1776	NW_004516888.1	16544	TT	CC	CC	INTERGENIC		
SNP_68391B_23550	scaffold1776	NW_004516888.1	23550	TT	AA	AA	INTERGENIC		
SNP_68393B_23569	scaffold1776	NW_004516888.1	23569	AA	GG	GG	INTERGENIC		
SNP_68394B_26660	scaffold1776	NW_004516888.1	26660	AA	TT	TT	INTERGENIC		
SNP_68395B_27788	scaffold1776	NW_004516888.1	27788	CC	TT	TT	INTERGENIC		
SNP_68396B_29291	scaffold1776	NW_004516888.1	29291	AA	GG	GG	INTERGENIC		
SNP_68397B_22451	scaffold1777	NW_004516889.1	22451	GG	AA	AA	INTERGENIC		
SNP_68398B_22626	scaffold1777	NW_004516889.1	22626	AA	GG	GG	INTERGENIC		
SNP_68399B_22809	scaffold1777	NW_004516889.1	22809	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68400B_22844	scaffold1777	NW_004516889.1	22844	TT	CC	CC	INTERGENIC		
SNP_68401B_22857	scaffold1777	NW_004516889.1	22857	TT	CC	CC	INTERGENIC		
SNP_68402B_22873	scaffold1777	NW_004516889.1	22873	GG	CC	CC	INTERGENIC		
SNP_68404B_70396	scaffold1777	NW_004516889.1	70396	CC	TT	TT	INTERGENIC		
SNP_68405B_103874	scaffold1777	NW_004516889.1	103874	TT	CC	CC	INTERGENIC		
SNP_68406B_104197	scaffold1777	NW_004516889.1	104197	GG	AA	AA	INTERGENIC		
SNP_68407B_104242	scaffold1777	NW_004516889.1	104242	CC	TT	TT	INTERGENIC		
SNP_68408B_104295	scaffold1777	NW_004516889.1	104295	CC	TT	TT	INTERGENIC		
SNP_68409B_162355	scaffold1777	NW_004516889.1	162355	CC	AA	AA	INTERGENIC		
SNP_68410B_182099	scaffold1777	NW_004516889.1	182099	GG	TT	TT	URR	101495112	Unknown function
SNP_68411B_273224	scaffold1777	NW_004516889.1	273224	AA	GG	GG	URR	101495773	serine/threonine-protein phosphatase 7 long form homolog
SNP_68412B_273621	scaffold1777	NW_004516889.1	273621	GG	AA	AA	URR	101495773	serine/threonine-protein phosphatase 7 long form homolog
SNP_68413B_342440	scaffold1777	NW_004516889.1	342440	GG	AA	AA	STOP_GAINED	101496095	Unknown function
SNP_68414B_343116	scaffold1777	NW_004516889.1	343116	CC	TT	TT	SYNONYMOUS_CODING	101496095	Unknown function
SNP_68415B_343140	scaffold1777	NW_004516889.1	343140	TT	CC	CC	SYNONYMOUS_CODING	101496095	Unknown function
SNP_68416B_343164	scaffold1777	NW_004516889.1	343164	CC	TT	TT	SYNONYMOUS_CODING	101496095	Unknown function
SNP_68417B_343173	scaffold1777	NW_004516889.1	343173	CC	TT	TT	SYNONYMOUS_CODING	101496095	Unknown function
SNP_68418B_343185	scaffold1777	NW_004516889.1	343185	GG	AA	AA	SYNONYMOUS_CODING	101496095	Unknown function
SNP_68419B_343228	scaffold1777	NW_004516889.1	343228	TT	CC	CC	NON_SYNONYMOUS_CODING	101496095	Unknown function
SNP_68420B_343253	scaffold1777	NW_004516889.1	343253	AA	GG	GG	SYNONYMOUS_CODING	101496095	Unknown function
SNP_68422B_343381	scaffold1777	NW_004516889.1	343381	CC	TT	TT	INTRON	101496095	Unknown function
SNP_68423B_343417	scaffold1777	NW_004516889.1	343417	TT	CC	CC	INTRON	101496095	Unknown function
SNP_68424B_343462	scaffold1777	NW_004516889.1	343462	AA	GG	GG	INTRON	101496095	Unknown function
SNP_68425B_343466	scaffold1777	NW_004516889.1	343466	TT	CC	CC	INTRON	101496095	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68426B_343484	scaffold1777	NW_004516889.1	343484	TT	AA	AA	INTRON	101496095	Unknown function
SNP_68427B_343489	scaffold1777	NW_004516889.1	343489	TT	CC	CC	INTRON	101496095	Unknown function
SNP_68428B_343522	scaffold1777	NW_004516889.1	343522	AA	GG	GG	INTRON	101496095	Unknown function
SNP_68429B_343537	scaffold1777	NW_004516889.1	343537	GG	AA	AA	INTRON	101496095	Unknown function
SNP_68430B_345392	scaffold1777	NW_004516889.1	345392	TT	CC	CC	URR	101496095	Unknown function
SNP_68431B_356814	scaffold1777	NW_004516889.1	356814	TT	CC	CC	INTERGENIC		
SNP_68433B_447175	scaffold1777	NW_004516889.1	447175	CC	GG	GG	INTERGENIC		
SNP_68434B_447199	scaffold1777	NW_004516889.1	447199	TT	AA	AA	INTERGENIC		
SNP_68435B_447384	scaffold1777	NW_004516889.1	447384	TT	CC	CC	INTERGENIC		
SNP_68436B_492339	scaffold1777	NW_004516889.1	492339	TT	CC	CC	INTERGENIC		
SNP_68437B_518894	scaffold1777	NW_004516889.1	518894	AA	GG	GG	INTERGENIC		
SNP_68438B_518940	scaffold1777	NW_004516889.1	518940	TT	CC	CC	INTERGENIC		
SNP_68439B_518955	scaffold1777	NW_004516889.1	518955	TT	CC	CC	INTERGENIC		
SNP_68440B_519476	scaffold1777	NW_004516889.1	519476	TT	CC	CC	INTERGENIC		
SNP_68443B_567365	scaffold1777	NW_004516889.1	567365	GG	AA	AA	INTERGENIC		
SNP_68444B_567453	scaffold1777	NW_004516889.1	567453	GG	TT	TT	INTERGENIC		
SNP_68445B_567465	scaffold1777	NW_004516889.1	567465	CC	TT	TT	INTERGENIC		
SNP_68446B_567468	scaffold1777	NW_004516889.1	567468	AA	GG	GG	INTERGENIC		
SNP_68447B_613663	scaffold1777	NW_004516889.1	613663	GG	AA	AA	INTERGENIC		
SNP_68448B_613665	scaffold1777	NW_004516889.1	613665	AA	GG	GG	INTERGENIC		
SNP_68449B_613731	scaffold1777	NW_004516889.1	613731	AA	GG	GG	INTERGENIC		
SNP_68450B_613787	scaffold1777	NW_004516889.1	613787	GG	AA	AA	INTERGENIC		
SNP_68451B_613810	scaffold1777	NW_004516889.1	613810	TT	CC	CC	INTERGENIC		
SNP_68452B_613859	scaffold1777	NW_004516889.1	613859	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68453B_613879	scaffold1777	NW_004516889.1	613879	GG	AA	AA	INTERGENIC		
SNP_68454B_614044	scaffold1777	NW_004516889.1	614044	TT	CC	CC	INTERGENIC		
SNP_68455B_614064	scaffold1777	NW_004516889.1	614064	AA	GG	GG	INTERGENIC		
SNP_68456B_614402	scaffold1777	NW_004516889.1	614402	AA	GG	GG	INTERGENIC		
SNP_68458B_614649	scaffold1777	NW_004516889.1	614649	CC	AA	AA	INTERGENIC		
SNP_68459B_614684	scaffold1777	NW_004516889.1	614684	CC	TT	TT	INTERGENIC		
SNP_68460B_614717	scaffold1777	NW_004516889.1	614717	CC	TT	TT	INTERGENIC		
SNP_68461B_623744	scaffold1777	NW_004516889.1	623744	CC	AA	AA	INTERGENIC		
SNP_68462B_623808	scaffold1777	NW_004516889.1	623808	TT	CC	CC	INTERGENIC		
SNP_68463B_623848	scaffold1777	NW_004516889.1	623848	GG	AA	AA	INTERGENIC		
SNP_68464B_624353	scaffold1777	NW_004516889.1	624353	AA	GG	GG	INTERGENIC		
SNP_68465B_624370	scaffold1777	NW_004516889.1	624370	TT	GG	GG	INTERGENIC		
SNP_68466B_625648	scaffold1777	NW_004516889.1	625648	AA	GG	GG	INTERGENIC		
SNP_68467B_625735	scaffold1777	NW_004516889.1	625735	AA	GG	GG	INTERGENIC		
SNP_68468B_625749	scaffold1777	NW_004516889.1	625749	GG	CC	CC	INTERGENIC		
SNP_68469B_626478	scaffold1777	NW_004516889.1	626478	AA	TT	TT	INTERGENIC		
SNP_68470B_626517	scaffold1777	NW_004516889.1	626517	CC	AA	AA	INTERGENIC		
SNP_68471B_626782	scaffold1777	NW_004516889.1	626782	TT	CC	CC	INTERGENIC		
SNP_68472B_628203	scaffold1777	NW_004516889.1	628203	CC	TT	TT	INTERGENIC		
SNP_68473B_628264	scaffold1777	NW_004516889.1	628264	TT	CC	CC	INTERGENIC		
SNP_68474B_628295	scaffold1777	NW_004516889.1	628295	TT	CC	CC	INTERGENIC		
SNP_68475B_628406	scaffold1777	NW_004516889.1	628406	GG	AA	AA	INTERGENIC		
SNP_68476B_628448	scaffold1777	NW_004516889.1	628448	AA	GG	GG	INTERGENIC		
SNP_68477B_628509	scaffold1777	NW_004516889.1	628509	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68478B_628540	scaffold1777	NW_004516889.1	628540	CC	AA	AA	INTERGENIC		
SNP_68479B_628629	scaffold1777	NW_004516889.1	628629	AA	GG	GG	INTERGENIC		
SNP_68480B_628679	scaffold1777	NW_004516889.1	628679	TT	CC	CC	INTERGENIC		
SNP_68481B_628701	scaffold1777	NW_004516889.1	628701	AA	CC	CC	INTERGENIC		
SNP_68482B_629227	scaffold1777	NW_004516889.1	629227	GG	CC	CC	INTERGENIC		
SNP_68483B_629451	scaffold1777	NW_004516889.1	629451	TT	CC	CC	INTERGENIC		
SNP_68484B_629487	scaffold1777	NW_004516889.1	629487	CC	TT	TT	INTERGENIC		
SNP_68485B_632545	scaffold1777	NW_004516889.1	632545	GG	AA	AA	INTERGENIC		
SNP_68486B_636598	scaffold1777	NW_004516889.1	636598	TT	AA	AA	INTERGENIC		
SNP_68487B_205	scaffold1778	NW_004516890.1	205	AA	CC	CC	INTERGENIC		
SNP_68488B_414	scaffold1778	NW_004516890.1	414	GG	CC	CC	INTERGENIC		
SNP_68489B_852	scaffold1778	NW_004516890.1	852	TT	AA	AA	INTERGENIC		
SNP_68490B_915	scaffold1778	NW_004516890.1	915	AA	GG	GG	INTERGENIC		
SNP_68491B_925	scaffold1778	NW_004516890.1	925	TT	CC	CC	INTERGENIC		
SNP_68492B_982	scaffold1778	NW_004516890.1	982	GG	AA	AA	INTERGENIC		
SNP_68493B_1214	scaffold1778	NW_004516890.1	1214	CC	GG	GG	INTERGENIC		
SNP_68494B_1218	scaffold1778	NW_004516890.1	1218	AA	CC	CC	INTERGENIC		
SNP_68495B_1223	scaffold1778	NW_004516890.1	1223	TT	GG	GG	INTERGENIC		
SNP_68497B_1651	scaffold1778	NW_004516890.1	1651	CC	TT	TT	INTERGENIC		
SNP_68498B_1918	scaffold1778	NW_004516890.1	1918	AA	GG	GG	INTERGENIC		
SNP_68499B_1973	scaffold1778	NW_004516890.1	1973	TT	GG	GG	INTERGENIC		
SNP_68500B_1980	scaffold1778	NW_004516890.1	1980	CC	TT	TT	INTERGENIC		
SNP_68501B_2044	scaffold1778	NW_004516890.1	2044	TT	AA	AA	INTERGENIC		
SNP_68502B_4067	scaffold1778	NW_004516890.1	4067	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68503B_4156	scaffold1778	NW_004516890.1	4156	GG	AA	AA	INTERGENIC		
SNP_68504B_4177	scaffold1778	NW_004516890.1	4177	TT	GG	GG	INTERGENIC		
SNP_68505B_4184	scaffold1778	NW_004516890.1	4184	GG	AA	AA	INTERGENIC		
SNP_68506B_4197	scaffold1778	NW_004516890.1	4197	CC	TT	TT	INTERGENIC		
SNP_68507B_4960	scaffold1778	NW_004516890.1	4960	GG	AA	AA	INTERGENIC		
SNP_68508B_4973	scaffold1778	NW_004516890.1	4973	AA	GG	GG	INTERGENIC		
SNP_68509B_5011	scaffold1778	NW_004516890.1	5011	AA	GG	GG	INTERGENIC		
SNP_68510B_10419	scaffold1778	NW_004516890.1	10419	TT	AA	AA	INTERGENIC		
SNP_68511B_15263	scaffold1778	NW_004516890.1	15263	AA	TT	TT	INTERGENIC		
SNP_68512B_15832	scaffold1778	NW_004516890.1	15832	AA	GG	GG	INTERGENIC		
SNP_68513B_15882	scaffold1778	NW_004516890.1	15882	AA	TT	TT	INTERGENIC		
SNP_68514B_15959	scaffold1778	NW_004516890.1	15959	GG	AA	AA	INTERGENIC		
SNP_68515B_16103	scaffold1778	NW_004516890.1	16103	CC	TT	TT	INTERGENIC		
SNP_68516B_16113	scaffold1778	NW_004516890.1	16113	TT	CC	CC	INTERGENIC		
SNP_68517B_16129	scaffold1778	NW_004516890.1	16129	CC	GG	GG	INTERGENIC		
SNP_68518B_16171	scaffold1778	NW_004516890.1	16171	AA	GG	GG	INTERGENIC		
SNP_68519B_16240	scaffold1778	NW_004516890.1	16240	TT	CC	CC	INTERGENIC		
SNP_68520B_16241	scaffold1778	NW_004516890.1	16241	TT	GG	GG	INTERGENIC		
SNP_68521B_16282	scaffold1778	NW_004516890.1	16282	CC	AA	AA	INTERGENIC		
SNP_68522B_16286	scaffold1778	NW_004516890.1	16286	AA	GG	GG	INTERGENIC		
SNP_68523B_16312	scaffold1778	NW_004516890.1	16312	TT	CC	CC	INTERGENIC		
SNP_68524B_16340	scaffold1778	NW_004516890.1	16340	CC	TT	TT	INTERGENIC		
SNP_68525B_16476	scaffold1778	NW_004516890.1	16476	GG	AA	AA	INTERGENIC		
SNP_68526B_16489	scaffold1778	NW_004516890.1	16489	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68527B_16601	scaffold1778	NW_004516890.1	16601	AA	GG	GG	INTERGENIC		
SNP_68528B_16645	scaffold1778	NW_004516890.1	16645	TT	AA	AA	INTERGENIC		
SNP_68529B_16648	scaffold1778	NW_004516890.1	16648	TT	GG	GG	INTERGENIC		
SNP_68530B_16716	scaffold1778	NW_004516890.1	16716	CC	TT	TT	INTERGENIC		
SNP_68531B_16858	scaffold1778	NW_004516890.1	16858	CC	GG	GG	INTERGENIC		
SNP_68532B_16869	scaffold1778	NW_004516890.1	16869	GG	AA	AA	INTERGENIC		
SNP_68533B_16915	scaffold1778	NW_004516890.1	16915	TT	CC	CC	INTERGENIC		
SNP_68534B_16931	scaffold1778	NW_004516890.1	16931	AA	GG	GG	INTERGENIC		
SNP_68535B_16974	scaffold1778	NW_004516890.1	16974	GG	TT	TT	INTERGENIC		
SNP_68536B_8743	scaffold1779	NW_004516891.1	8743	AA	GG	GG	INTERGENIC		
SNP_68537B_9609	scaffold1779	NW_004516891.1	9609	TT	CC	CC	INTERGENIC		
SNP_68538B_11653	scaffold1779	NW_004516891.1	11653	GG	AA	AA	INTERGENIC		
SNP_68539B_11659	scaffold1779	NW_004516891.1	11659	TT	GG	GG	INTERGENIC		
SNP_68540B_119031	scaffold1779	NW_004516891.1	119031	CC	TT	TT	INTERGENIC		
SNP_68541B_119111	scaffold1779	NW_004516891.1	119111	CC	TT	TT	INTERGENIC		
SNP_68542B_119160	scaffold1779	NW_004516891.1	119160	CC	AA	AA	INTERGENIC		
SNP_68543B_119244	scaffold1779	NW_004516891.1	119244	TT	CC	CC	INTERGENIC		
SNP_68544B_119275	scaffold1779	NW_004516891.1	119275	TT	AA	AA	INTERGENIC		
SNP_68545B_119450	scaffold1779	NW_004516891.1	119450	GG	TT	TT	INTERGENIC		
SNP_68546B_119565	scaffold1779	NW_004516891.1	119565	CC	TT	TT	INTERGENIC		
SNP_68547B_122089	scaffold1779	NW_004516891.1	122089	AA	GG	GG	INTERGENIC		
SNP_68548B_129700	scaffold1779	NW_004516891.1	129700	GG	AA	AA	INTERGENIC		
SNP_68551B_132015	scaffold1779	NW_004516891.1	132015	TT	CC	CC	INTERGENIC		
SNP_68552B_132441	scaffold1779	NW_004516891.1	132441	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68553B_132965	scaffold1779	NW_004516891.1	132965	GG	AA	AA	INTERGENIC		
SNP_68554B_132999	scaffold1779	NW_004516891.1	132999	GG	AA	AA	INTERGENIC		
SNP_68555B_5693	scaffold1782	NW_004516893.1	5693	AA	GG	GG	INTERGENIC		
SNP_68556B_6072	scaffold1782	NW_004516893.1	6072	AA	TT	TT	INTERGENIC		
SNP_68557B_6121	scaffold1782	NW_004516893.1	6121	GG	AA	AA	INTERGENIC		
SNP_68558B_6171	scaffold1782	NW_004516893.1	6171	TT	GG	GG	INTERGENIC		
SNP_68559B_6208	scaffold1782	NW_004516893.1	6208	AA	GG	GG	INTERGENIC		
SNP_68560B_5042	scaffold1783	NW_004516894.1	5042	AA	GG	GG	INTERGENIC		
SNP_68561B_37671	scaffold1783	NW_004516894.1	37671	GG	AA	AA	INTERGENIC		
SNP_68562B_40203	scaffold1783	NW_004516894.1	40203	AA	TT	TT	INTERGENIC		
SNP_68563B_40251	scaffold1783	NW_004516894.1	40251	AA	CC	CC	INTERGENIC		
SNP_68564B_40269	scaffold1783	NW_004516894.1	40269	TT	GG	GG	INTERGENIC		
SNP_68565B_40291	scaffold1783	NW_004516894.1	40291	GG	AA	AA	INTERGENIC		
SNP_68566B_46057	scaffold1783	NW_004516894.1	46057	TT	CC	CC	INTERGENIC		
SNP_68567B_46060	scaffold1783	NW_004516894.1	46060	AA	GG	GG	INTERGENIC		
SNP_68569B_417	scaffold1789	NW_004516897.1	417	AA	GG	GG	INTERGENIC		
SNP_68570B_21349	scaffold1789	NW_004516897.1	21349	AA	TT	TT	INTERGENIC		
SNP_68571B_408	scaffold1793	NW_004516900.1	408	TT	AA	AA	INTERGENIC		
SNP_68573B_5762	scaffold1795	NW_004516901.1	5762	GG	AA	AA	INTERGENIC		
SNP_68574B_16773	scaffold1797	NW_004516903.1	16773	AA	CC	CC	INTERGENIC		
SNP_68575B_16777	scaffold1797	NW_004516903.1	16777	AA	TT	TT	INTERGENIC		
SNP_68577B_37300	scaffold1797	NW_004516903.1	37300	TT	AA	AA	INTERGENIC		
SNP_68578B_37844	scaffold1797	NW_004516903.1	37844	CC	AA	AA	INTERGENIC		
SNP_68579B_1579	scaffold1798	NW_004516904.1	1579	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68580B_1588	scaffold1798	NW_004516904.1	1588	TT	AA	AA	INTERGENIC		
SNP_68581B_1695	scaffold1798	NW_004516904.1	1695	TT	CC	CC	INTERGENIC		
SNP_68583B_1785	scaffold1798	NW_004516904.1	1785	TT	CC	CC	INTERGENIC		
SNP_68584B_3437	scaffold1802	NW_004516907.1	3437	CC	AA	AA	NON_SYNONYMOUS_CODING	101500099	Unknown function
SNP_68585B_3722	scaffold1802	NW_004516907.1	3722	GG	AA	AA	NON_SYNONYMOUS_CODING	101500099	Unknown function
SNP_68586B_15785	scaffold1802	NW_004516907.1	15785	GG	AA	AA	URR	101500428	uncharacterized LOC101500428
SNP_68588B_116307	scaffold1804	NW_004516909.1	116307	CC	TT	TT	DRR	101501051	expansin-B15-like
SNP_68589B_116347	scaffold1804	NW_004516909.1	116347	TT	GG	GG	DRR	101501051	expansin-B15-like
SNP_68590B_116392	scaffold1804	NW_004516909.1	116392	CC	TT	TT	DRR	101501051	expansin-B15-like
SNP_68591B_116409	scaffold1804	NW_004516909.1	116409	GG	TT	TT	DRR	101501051	expansin-B15-like
SNP_68592B_148889	scaffold1804	NW_004516909.1	148889	GG	AA	AA	INTERGENIC		
SNP_68593B_149172	scaffold1804	NW_004516909.1	149172	CC	TT	TT	INTERGENIC		
SNP_68594B_149175	scaffold1804	NW_004516909.1	149175	CC	GG	GG	INTERGENIC		
SNP_68595B_154876	scaffold1804	NW_004516909.1	154876	CC	GG	GG	INTERGENIC		
SNP_68596B_154877	scaffold1804	NW_004516909.1	154877	TT	CC	CC	INTERGENIC		
SNP_68597B_154914	scaffold1804	NW_004516909.1	154914	TT	GG	GG	INTERGENIC		
SNP_68598B_162544	scaffold1804	NW_004516909.1	162544	TT	CC	CC	INTERGENIC		
SNP_68600B_184121	scaffold1804	NW_004516909.1	184121	CC	TT	TT	INTERGENIC		
SNP_68601B_184160	scaffold1804	NW_004516909.1	184160	CC	TT	TT	INTERGENIC		
SNP_68602B_184229	scaffold1804	NW_004516909.1	184229	GG	TT	TT	INTERGENIC		
SNP_68603B_184335	scaffold1804	NW_004516909.1	184335	TT	GG	GG	INTERGENIC		
SNP_68604B_184706	scaffold1804	NW_004516909.1	184706	AA	GG	GG	INTERGENIC		
SNP_68605B_184725	scaffold1804	NW_004516909.1	184725	CC	GG	GG	INTERGENIC		
SNP_68606B_184776	scaffold1804	NW_004516909.1	184776	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68607B_188854	scaffold1804	NW_004516909.1	188854	TT	CC	CC	DRR	101502552	putative expansin-B14
SNP_68608B_191720	scaffold1804	NW_004516909.1	191720	AA	GG	GG	URR	101502552	putative expansin-B14
SNP_68609B_191771	scaffold1804	NW_004516909.1	191771	AA	CC	CC	URR	101502552	putative expansin-B14
SNP_68610B_191811	scaffold1804	NW_004516909.1	191811	GG	AA	AA	URR	101502552	putative expansin-B14
SNP_68611B_192140	scaffold1804	NW_004516909.1	192140	TT	AA	AA	URR	101502552	putative expansin-B14
SNP_68612B_192173	scaffold1804	NW_004516909.1	192173	AA	GG	GG	URR	101502552	putative expansin-B14
SNP_68613B_192247	scaffold1804	NW_004516909.1	192247	TT	AA	AA	URR	101502552	putative expansin-B14
SNP_68614B_192248	scaffold1804	NW_004516909.1	192248	AA	GG	GG	URR	101502552	putative expansin-B14
SNP_68615B_192249	scaffold1804	NW_004516909.1	192249	TT	AA	AA	URR	101502552	putative expansin-B14
SNP_68616B_219874	scaffold1804	NW_004516909.1	219874	AA	GG	GG	INTRON	101502865	expansin-B15-like
SNP_68617B_234328	scaffold1804	NW_004516909.1	234328	TT	CC	CC	INTRON	101502865	expansin-B15-like
SNP_68618B_234640	scaffold1804	NW_004516909.1	234640	CC	TT	TT	INTRON	101502865	expansin-B15-like
SNP_68619B_236960	scaffold1804	NW_004516909.1	236960	GG	AA	AA	URR	101502865	expansin-B15-like
SNP_68620B_244682	scaffold1804	NW_004516909.1	244682	CC	AA	AA	INTERGENIC		
SNP_68621B_246834	scaffold1804	NW_004516909.1	246834	GG	TT	TT	INTERGENIC		
SNP_68622B_246865	scaffold1804	NW_004516909.1	246865	AA	GG	GG	INTERGENIC		
SNP_68623B_246901	scaffold1804	NW_004516909.1	246901	GG	TT	TT	INTERGENIC		
SNP_68624B_247171	scaffold1804	NW_004516909.1	247171	CC	GG	GG	INTERGENIC		
SNP_68625B_247307	scaffold1804	NW_004516909.1	247307	AA	CC	CC	INTERGENIC		
SNP_68626B_253308	scaffold1804	NW_004516909.1	253308	AA	TT	TT	INTERGENIC		
SNP_68627B_253314	scaffold1804	NW_004516909.1	253314	TT	AA	AA	INTERGENIC		
SNP_68628B_253541	scaffold1804	NW_004516909.1	253541	AA	TT	TT	INTERGENIC		
SNP_68629B_253574	scaffold1804	NW_004516909.1	253574	TT	CC	CC	INTERGENIC		
SNP_68630B_253716	scaffold1804	NW_004516909.1	253716	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68631B_253840	scaffold1804	NW_004516909.1	253840	CC	TT	TT	INTERGENIC		
SNP_68632B_253897	scaffold1804	NW_004516909.1	253897	CC	TT	TT	INTERGENIC		
SNP_68633B_298415	scaffold1804	NW_004516909.1	298415	GG	AA	AA	INTERGENIC		
SNP_68634B_317851	scaffold1804	NW_004516909.1	317851	CC	GG	GG	DRR	101503844	expansin-B11-like
SNP_68635B_317904	scaffold1804	NW_004516909.1	317904	CC	AA	AA	DRR	101503844	expansin-B11-like
SNP_68636B_317906	scaffold1804	NW_004516909.1	317906	TT	AA	AA	DRR	101503844	expansin-B11-like
SNP_68637B_64	scaffold1806	NW_004516910.1	64	CC	AA	AA	INTERGENIC		
SNP_68638B_107	scaffold1806	NW_004516910.1	107	AA	TT	TT	INTERGENIC		
SNP_68640B_225	scaffold1806	NW_004516910.1	225	CC	TT	TT	INTERGENIC		
SNP_68641B_347	scaffold1806	NW_004516910.1	347	AA	CC	CC	INTERGENIC		
SNP_68642B_457	scaffold1806	NW_004516910.1	457	TT	AA	AA	INTERGENIC		
SNP_68643B_469	scaffold1806	NW_004516910.1	469	CC	TT	TT	INTERGENIC		
SNP_68644B_555	scaffold1806	NW_004516910.1	555	AA	GG	GG	INTERGENIC		
SNP_68645B_650	scaffold1806	NW_004516910.1	650	GG	CC	CC	INTERGENIC		
SNP_68646B_701	scaffold1806	NW_004516910.1	701	AA	GG	GG	INTERGENIC		
SNP_68647B_730	scaffold1806	NW_004516910.1	730	AA	GG	GG	INTERGENIC		
SNP_68648B_2391	scaffold1806	NW_004516910.1	2391	GG	TT	TT	INTERGENIC		
SNP_68649B_2435	scaffold1806	NW_004516910.1	2435	AA	GG	GG	INTERGENIC		
SNP_68650B_2563	scaffold1806	NW_004516910.1	2563	TT	AA	AA	INTERGENIC		
SNP_68651B_2566	scaffold1806	NW_004516910.1	2566	TT	CC	CC	INTERGENIC		
SNP_68652B_2754	scaffold1806	NW_004516910.1	2754	CC	TT	TT	INTERGENIC		
SNP_68653B_2942	scaffold1806	NW_004516910.1	2942	CC	TT	TT	INTERGENIC		
SNP_68655B_4586	scaffold1806	NW_004516910.1	4586	AA	GG	GG	INTERGENIC		
SNP_68656B_4702	scaffold1806	NW_004516910.1	4702	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68657B_4919	scaffold1806	NW_004516910.1	4919	AA	GG	GG	INTERGENIC		
SNP_68658B_4956	scaffold1806	NW_004516910.1	4956	CC	GG	GG	INTERGENIC		
SNP_68659B_4966	scaffold1806	NW_004516910.1	4966	GG	AA	AA	INTERGENIC		
SNP_68660B_5041	scaffold1806	NW_004516910.1	5041	AA	TT	TT	INTERGENIC		
SNP_68662B_7016	scaffold1806	NW_004516910.1	7016	AA	GG	GG	INTERGENIC		
SNP_68663B_7518	scaffold1806	NW_004516910.1	7518	TT	AA	AA	INTERGENIC		
SNP_68664B_7535	scaffold1806	NW_004516910.1	7535	AA	GG	GG	INTERGENIC		
SNP_68665B_7906	scaffold1806	NW_004516910.1	7906	GG	TT	TT	INTERGENIC		
SNP_68666B_7950	scaffold1806	NW_004516910.1	7950	TT	AA	AA	INTERGENIC		
SNP_68667B_8213	scaffold1806	NW_004516910.1	8213	CC	AA	AA	INTERGENIC		
SNP_68668B_8478	scaffold1806	NW_004516910.1	8478	AA	GG	GG	INTERGENIC		
SNP_68669B_8536	scaffold1806	NW_004516910.1	8536	AA	GG	GG	INTERGENIC		
SNP_68670B_8599	scaffold1806	NW_004516910.1	8599	AA	GG	GG	INTERGENIC		
SNP_68671B_8760	scaffold1806	NW_004516910.1	8760	CC	GG	GG	INTERGENIC		
SNP_68672B_8776	scaffold1806	NW_004516910.1	8776	AA	GG	GG	INTERGENIC		
SNP_68673B_23856	scaffold1806	NW_004516910.1	23856	CC	TT	TT	INTERGENIC		
SNP_68674B_23943	scaffold1806	NW_004516910.1	23943	TT	AA	AA	INTERGENIC		
SNP_68675B_24090	scaffold1806	NW_004516910.1	24090	CC	TT	TT	INTERGENIC		
SNP_68676B_24170	scaffold1806	NW_004516910.1	24170	TT	AA	AA	INTERGENIC		
SNP_68677B_24427	scaffold1806	NW_004516910.1	24427	CC	AA	AA	INTERGENIC		
SNP_68678B_24656	scaffold1806	NW_004516910.1	24656	CC	TT	TT	INTERGENIC		
SNP_68679B_24660	scaffold1806	NW_004516910.1	24660	CC	TT	TT	INTERGENIC		
SNP_68680B_24768	scaffold1806	NW_004516910.1	24768	CC	AA	AA	INTERGENIC		
SNP_68681B_25347	scaffold1806	NW_004516910.1	25347	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68682B_25986	scaffold1806	NW_004516910.1	25986	CC	TT	TT	INTERGENIC		
SNP_68683B_26757	scaffold1806	NW_004516910.1	26757	GG	AA	AA	INTERGENIC		
SNP_68684B_498	scaffold1810	NW_004516913.1	498	GG	AA	AA	INTERGENIC		
SNP_68685B_519	scaffold1810	NW_004516913.1	519	GG	AA	AA	INTERGENIC		
SNP_68686B_969	scaffold1810	NW_004516913.1	969	AA	TT	TT	INTERGENIC		
SNP_68687B_1028	scaffold1810	NW_004516913.1	1028	TT	AA	AA	INTERGENIC		
SNP_68688B_1431	scaffold1810	NW_004516913.1	1431	GG	AA	AA	INTERGENIC		
SNP_68689B_1649	scaffold1810	NW_004516913.1	1649	AA	CC	CC	INTERGENIC		
SNP_68690B_1694	scaffold1810	NW_004516913.1	1694	CC	TT	TT	INTERGENIC		
SNP_68691B_1735	scaffold1810	NW_004516913.1	1735	TT	AA	AA	INTERGENIC		
SNP_68692B_1946	scaffold1810	NW_004516913.1	1946	TT	AA	AA	INTERGENIC		
SNP_68693B_2053	scaffold1810	NW_004516913.1	2053	CC	TT	TT	INTERGENIC		
SNP_68694B_2066	scaffold1810	NW_004516913.1	2066	GG	AA	AA	INTERGENIC		
SNP_68695B_2243	scaffold1810	NW_004516913.1	2243	TT	CC	CC	INTERGENIC		
SNP_68697B_48301	scaffold1810	NW_004516913.1	48301	AA	GG	GG	URR	101504158	Unknown function
SNP_68698B_95353	scaffold1810	NW_004516913.1	95353	TT	CC	CC	INTERGENIC		
SNP_68699B_98522	scaffold1810	NW_004516913.1	98522	AA	TT	TT	INTERGENIC		
SNP_68701B_98595	scaffold1810	NW_004516913.1	98595	TT	AA	AA	INTERGENIC		
SNP_68702B_98663	scaffold1810	NW_004516913.1	98663	AA	GG	GG	INTERGENIC		
SNP_68703B_98676	scaffold1810	NW_004516913.1	98676	CC	TT	TT	INTERGENIC		
SNP_68704B_98679	scaffold1810	NW_004516913.1	98679	CC	AA	AA	INTERGENIC		
SNP_68705B_101967	scaffold1810	NW_004516913.1	101967	AA	TT	TT	INTERGENIC		
SNP_68706B_103203	scaffold1810	NW_004516913.1	103203	TT	CC	CC	INTERGENIC		
SNP_68707B_103209	scaffold1810	NW_004516913.1	103209	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68709B_103347	scaffold1810	NW_004516913.1	103347	GG	AA	AA	INTERGENIC		
SNP_68710B_103363	scaffold1810	NW_004516913.1	103363	TT	AA	AA	INTERGENIC		
SNP_68711B_103413	scaffold1810	NW_004516913.1	103413	AA	GG	GG	INTERGENIC		
SNP_68712B_103633	scaffold1810	NW_004516913.1	103633	GG	AA	AA	INTERGENIC		
SNP_68713B_103667	scaffold1810	NW_004516913.1	103667	GG	TT	TT	INTERGENIC		
SNP_68716B_103934	scaffold1810	NW_004516913.1	103934	TT	CC	CC	INTERGENIC		
SNP_68717B_105071	scaffold1810	NW_004516913.1	105071	AA	TT	TT	INTERGENIC		
SNP_68718B_46	scaffold1811	NW_004516914.1	46	CC	TT	TT	INTERGENIC		
SNP_68719B_8899	scaffold1815	NW_004516918.1	8899	GG	TT	TT	INTERGENIC		
SNP_68720B_8930	scaffold1815	NW_004516918.1	8930	TT	CC	CC	INTERGENIC		
SNP_68721B_8947	scaffold1815	NW_004516918.1	8947	GG	AA	AA	INTERGENIC		
SNP_68722B_9240	scaffold1815	NW_004516918.1	9240	AA	GG	GG	INTERGENIC		
SNP_68723B_12795	scaffold1815	NW_004516918.1	12795	AA	GG	GG	INTERGENIC		
SNP_68724B_13019	scaffold1815	NW_004516918.1	13019	AA	GG	GG	INTERGENIC		
SNP_68725B_13105	scaffold1815	NW_004516918.1	13105	GG	TT	TT	INTERGENIC		
SNP_68727B_24010	scaffold1815	NW_004516918.1	24010	AA	TT	TT	URR	101505989	uncharacterized LOC101505989
SNP_68728B_24135	scaffold1815	NW_004516918.1	24135	TT	CC	CC	URR	101505989	uncharacterized LOC101505989
SNP_68729B_34555	scaffold1815	NW_004516918.1	34555	CC	TT	TT	INTERGENIC		
SNP_68730B_15682	scaffold1816	NW_004516919.1	15682	AA	GG	GG	INTERGENIC		
SNP_68731B_26240	scaffold1816	NW_004516919.1	26240	TT	CC	CC	INTERGENIC		
SNP_68732B_26759	scaffold1816	NW_004516919.1	26759	CC	GG	GG	INTERGENIC		
SNP_68733B_27803	scaffold1816	NW_004516919.1	27803	AA	CC	CC	INTERGENIC		
SNP_68734B_27897	scaffold1816	NW_004516919.1	27897	CC	AA	AA	INTERGENIC		
SNP_68735B_27997	scaffold1816	NW_004516919.1	27997	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68736B_28316	scaffold1816	NW_004516919.1	28316	TT	GG	GG	INTERGENIC		
SNP_68737B_28707	scaffold1816	NW_004516919.1	28707	GG	AA	AA	INTERGENIC		
SNP_68738B_28719	scaffold1816	NW_004516919.1	28719	GG	CC	CC	INTERGENIC		
SNP_68739B_52952	scaffold1816	NW_004516919.1	52952	TT	CC	CC	INTERGENIC		
SNP_68740B_53083	scaffold1816	NW_004516919.1	53083	CC	GG	GG	INTERGENIC		
SNP_68741B_53110	scaffold1816	NW_004516919.1	53110	AA	GG	GG	INTERGENIC		
SNP_68742B_53115	scaffold1816	NW_004516919.1	53115	GG	AA	AA	INTERGENIC		
SNP_68743B_53141	scaffold1816	NW_004516919.1	53141	AA	GG	GG	INTERGENIC		
SNP_68744B_53347	scaffold1816	NW_004516919.1	53347	CC	GG	GG	INTERGENIC		
SNP_68745B_53367	scaffold1816	NW_004516919.1	53367	AA	GG	GG	INTERGENIC		
SNP_68746B_53386	scaffold1816	NW_004516919.1	53386	TT	AA	AA	INTERGENIC		
SNP_68747B_53496	scaffold1816	NW_004516919.1	53496	GG	CC	CC	INTERGENIC		
SNP_68748B_53552	scaffold1816	NW_004516919.1	53552	TT	CC	CC	INTERGENIC		
SNP_68749B_53582	scaffold1816	NW_004516919.1	53582	CC	TT	TT	INTERGENIC		
SNP_68751B_53686	scaffold1816	NW_004516919.1	53686	TT	CC	CC	INTERGENIC		
SNP_68752B_3079	scaffold1817	NW_004516920.1	3079	AA	GG	GG	INTERGENIC		
SNP_68753B_3298	scaffold1817	NW_004516920.1	3298	AA	GG	GG	INTERGENIC		
SNP_68754B_3336	scaffold1817	NW_004516920.1	3336	TT	CC	CC	INTERGENIC		
SNP_68755B_3403	scaffold1817	NW_004516920.1	3403	TT	CC	CC	INTERGENIC		
SNP_68756B_3432	scaffold1817	NW_004516920.1	3432	TT	CC	CC	INTERGENIC		
SNP_68757B_3679	scaffold1817	NW_004516920.1	3679	CC	GG	GG	INTERGENIC		
SNP_68758B_18995	scaffold1818	NW_004516921.1	18995	GG	TT	TT	INTERGENIC		
SNP_68759B_19595	scaffold1818	NW_004516921.1	19595	CC	GG	GG	INTERGENIC		
SNP_68760B_28531	scaffold1818	NW_004516921.1	28531	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68761B_28576	scaffold1818	NW_004516921.1	28576	AA	GG	GG	INTERGENIC		
SNP_68762B_28593	scaffold1818	NW_004516921.1	28593	AA	GG	GG	INTERGENIC		
SNP_68763B_28603	scaffold1818	NW_004516921.1	28603	AA	TT	TT	INTERGENIC		
SNP_68764B_28630	scaffold1818	NW_004516921.1	28630	GG	AA	AA	INTERGENIC		
SNP_68766B_17423	scaffold1822	NW_004516924.1	17423	TT	AA	AA	INTERGENIC		
SNP_68767B_17507	scaffold1822	NW_004516924.1	17507	TT	AA	AA	INTERGENIC		
SNP_68768B_17846	scaffold1822	NW_004516924.1	17846	CC	TT	TT	INTERGENIC		
SNP_68769B_18282	scaffold1822	NW_004516924.1	18282	AA	GG	GG	INTERGENIC		
SNP_68770B_18329	scaffold1822	NW_004516924.1	18329	CC	AA	AA	INTERGENIC		
SNP_68771B_18332	scaffold1822	NW_004516924.1	18332	GG	AA	AA	INTERGENIC		
SNP_68772B_38842	scaffold1822	NW_004516924.1	38842	CC	GG	GG	INTERGENIC		
SNP_68773B_46900	scaffold1822	NW_004516924.1	46900	GG	AA	AA	INTERGENIC		
SNP_68775B_26276	scaffold1825	NW_004516926.1	26276	CC	TT	TT	INTERGENIC		
SNP_68777B_63766	scaffold1825	NW_004516926.1	63766	TT	CC	CC	INTERGENIC		
SNP_68778B_63787	scaffold1825	NW_004516926.1	63787	GG	CC	CC	INTERGENIC		
SNP_68779B_64269	scaffold1825	NW_004516926.1	64269	GG	AA	AA	INTERGENIC		
SNP_68780B_71297	scaffold1825	NW_004516926.1	71297	AA	CC	CC	INTERGENIC		
SNP_68781B_71341	scaffold1825	NW_004516926.1	71341	CC	TT	TT	INTERGENIC		
SNP_68782B_71566	scaffold1825	NW_004516926.1	71566	GG	AA	AA	INTERGENIC		
SNP_68783B_71567	scaffold1825	NW_004516926.1	71567	AA	GG	GG	INTERGENIC		
SNP_68784B_112049	scaffold1825	NW_004516926.1	112049	AA	TT	TT	INTERGENIC		
SNP_68785B_112050	scaffold1825	NW_004516926.1	112050	TT	AA	AA	INTERGENIC		
SNP_68786B_131572	scaffold1825	NW_004516926.1	131572	GG	AA	AA	INTERGENIC		
SNP_68787B_132222	scaffold1825	NW_004516926.1	132222	CC	TT	TT	DRR	101507589	40S ribosomal protein S8-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68788B_133693	scaffold1825	NW_004516926.1	133693	CC	TT	TT	SYNONYMOUS_CODING	101507589	40S ribosomal protein S8-like
SNP_68789B_135705	scaffold1825	NW_004516926.1	135705	GG	CC	CC	INTRON	101507589	40S ribosomal protein S8-like
SNP_68790B_144112	scaffold1825	NW_004516926.1	144112	CC	TT	TT	INTERGENIC		
SNP_68791B_147754	scaffold1825	NW_004516926.1	147754	GG	CC	CC	INTERGENIC		
SNP_68792B_147783	scaffold1825	NW_004516926.1	147783	GG	CC	CC	INTERGENIC		
SNP_68793B_149764	scaffold1825	NW_004516926.1	149764	CC	TT	TT	INTERGENIC		
SNP_68794B_149857	scaffold1825	NW_004516926.1	149857	CC	TT	TT	INTERGENIC		
SNP_68795B_150217	scaffold1825	NW_004516926.1	150217	CC	TT	TT	INTERGENIC		
SNP_68796B_156503	scaffold1825	NW_004516926.1	156503	AA	GG	GG	INTERGENIC		
SNP_68797B_21518	scaffold1829	NW_004516928.1	21518	TT	CC	CC	INTERGENIC		
SNP_68799B_29458	scaffold1830	NW_004516929.1	29458	CC	TT	TT	INTERGENIC		
SNP_68800B_29802	scaffold1830	NW_004516929.1	29802	AA	TT	TT	INTERGENIC		
SNP_68801B_33494	scaffold1830	NW_004516929.1	33494	CC	AA	AA	INTERGENIC		
SNP_68802B_1506	scaffold1832	NW_004516930.1	1506	CC	TT	TT	INTERGENIC		
SNP_68803B_64	scaffold1835	NW_004516931.1	64	CC	GG	GG	INTERGENIC		
SNP_68804B_104	scaffold1835	NW_004516931.1	104	AA	TT	TT	INTERGENIC		
SNP_68805B_558	scaffold1835	NW_004516931.1	558	GG	AA	AA	INTERGENIC		
SNP_68806B_666	scaffold1835	NW_004516931.1	666	TT	GG	GG	INTERGENIC		
SNP_68807B_712	scaffold1835	NW_004516931.1	712	AA	GG	GG	INTERGENIC		
SNP_68808B_1448	scaffold1835	NW_004516931.1	1448	TT	CC	CC	INTERGENIC		
SNP_68809B_1683	scaffold1835	NW_004516931.1	1683	AA	GG	GG	INTERGENIC		
SNP_68810B_1774	scaffold1835	NW_004516931.1	1774	TT	CC	CC	INTERGENIC		
SNP_68811B_2068	scaffold1835	NW_004516931.1	2068	CC	TT	TT	INTERGENIC		
SNP_68812B_2161	scaffold1835	NW_004516931.1	2161	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68813B_5325	scaffold1835	NW_004516931.1	5325	TT	CC	CC	INTERGENIC		
SNP_68814B_5364	scaffold1835	NW_004516931.1	5364	CC	AA	AA	INTERGENIC		
SNP_68815B_5430	scaffold1835	NW_004516931.1	5430	TT	CC	CC	INTERGENIC		
SNP_68816B_5916	scaffold1835	NW_004516931.1	5916	TT	AA	AA	INTERGENIC		
SNP_68817B_6732	scaffold1835	NW_004516931.1	6732	TT	GG	GG	INTERGENIC		
SNP_68818B_6783	scaffold1835	NW_004516931.1	6783	GG	CC	CC	INTERGENIC		
SNP_68819B_6785	scaffold1835	NW_004516931.1	6785	GG	CC	CC	INTERGENIC		
SNP_68820B_6805	scaffold1835	NW_004516931.1	6805	CC	GG	GG	INTERGENIC		
SNP_68821B_6812	scaffold1835	NW_004516931.1	6812	TT	CC	CC	INTERGENIC		
SNP_68822B_6814	scaffold1835	NW_004516931.1	6814	GG	AA	AA	INTERGENIC		
SNP_68823B_6823	scaffold1835	NW_004516931.1	6823	GG	CC	CC	INTERGENIC		
SNP_68825B_6855	scaffold1835	NW_004516931.1	6855	GG	TT	TT	INTERGENIC		
SNP_68826B_6860	scaffold1835	NW_004516931.1	6860	CC	GG	GG	INTERGENIC		
SNP_68827B_6863	scaffold1835	NW_004516931.1	6863	GG	CC	CC	INTERGENIC		
SNP_68828B_7559	scaffold1835	NW_004516931.1	7559	CC	TT	TT	INTERGENIC		
SNP_68829B_7710	scaffold1835	NW_004516931.1	7710	GG	CC	CC	INTERGENIC		
SNP_68830B_7829	scaffold1835	NW_004516931.1	7829	AA	GG	GG	INTERGENIC		
SNP_68831B_8026	scaffold1835	NW_004516931.1	8026	AA	GG	GG	INTERGENIC		
SNP_68834B_8207	scaffold1835	NW_004516931.1	8207	GG	AA	AA	INTERGENIC		
SNP_68835B_8208	scaffold1835	NW_004516931.1	8208	CC	TT	TT	INTERGENIC		
SNP_68836B_8339	scaffold1835	NW_004516931.1	8339	CC	GG	GG	INTERGENIC		
SNP_68837B_8341	scaffold1835	NW_004516931.1	8341	GG	TT	TT	INTERGENIC		
SNP_68838B_8404	scaffold1835	NW_004516931.1	8404	TT	GG	GG	INTERGENIC		
SNP_68839B_8438	scaffold1835	NW_004516931.1	8438	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68840B_8456	scaffold1835	NW_004516931.1	8456	AA	GG	GG	INTERGENIC		
SNP_68842B_8515	scaffold1835	NW_004516931.1	8515	GG	AA	AA	INTERGENIC		
SNP_68843B_8762	scaffold1835	NW_004516931.1	8762	GG	TT	TT	INTERGENIC		
SNP_68844B_8831	scaffold1835	NW_004516931.1	8831	CC	AA	AA	INTERGENIC		
SNP_68846B_10541	scaffold1835	NW_004516931.1	10541	CC	GG	GG	INTERGENIC		
SNP_68847B_10563	scaffold1835	NW_004516931.1	10563	TT	CC	CC	INTERGENIC		
SNP_68848B_11356	scaffold1835	NW_004516931.1	11356	CC	TT	TT	INTERGENIC		
SNP_68849B_25690	scaffold1835	NW_004516931.1	25690	CC	TT	TT	INTERGENIC		
SNP_68850B_25790	scaffold1835	NW_004516931.1	25790	GG	AA	AA	INTERGENIC		
SNP_68851B_25836	scaffold1835	NW_004516931.1	25836	CC	TT	TT	INTERGENIC		
SNP_68852B_26198	scaffold1835	NW_004516931.1	26198	AA	GG	GG	INTERGENIC		
SNP_68854B_2227	scaffold1838	NW_004516932.1	2227	AA	GG	GG	INTERGENIC		
SNP_68855B_410	scaffold1839	NW_004516933.1	410	AA	TT	TT	INTERGENIC		
SNP_68856B_668	scaffold1839	NW_004516933.1	668	GG	TT	TT	INTERGENIC		
SNP_68857B_7615	scaffold1840	NW_004516934.1	7615	CC	GG	GG	INTERGENIC		
SNP_68859B_913	scaffold1843	NW_004516936.1	913	CC	GG	GG	INTERGENIC		
SNP_68860B_615	scaffold1844	NW_004516937.1	615	AA	TT	TT	INTERGENIC		
SNP_68861B_665	scaffold1844	NW_004516937.1	665	AA	GG	GG	INTERGENIC		
SNP_68862B_679	scaffold1844	NW_004516937.1	679	GG	AA	AA	INTERGENIC		
SNP_68863B_734	scaffold1844	NW_004516937.1	734	AA	GG	GG	INTERGENIC		
SNP_68864B_837	scaffold1844	NW_004516937.1	837	AA	GG	GG	INTERGENIC		
SNP_68865B_847	scaffold1844	NW_004516937.1	847	CC	AA	AA	INTERGENIC		
SNP_68866B_886	scaffold1844	NW_004516937.1	886	CC	TT	TT	INTERGENIC		
SNP_68867B_917	scaffold1844	NW_004516937.1	917	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68868B_957	scaffold1844	NW_004516937.1	957	TT	CC	CC	INTERGENIC		
SNP_68869B_967	scaffold1844	NW_004516937.1	967	TT	CC	CC	INTERGENIC		
SNP_68870B_990	scaffold1844	NW_004516937.1	990	TT	CC	CC	INTERGENIC		
SNP_68871B_1035	scaffold1844	NW_004516937.1	1035	AA	CC	CC	INTERGENIC		
SNP_68872B_1686	scaffold1844	NW_004516937.1	1686	GG	TT	TT	INTERGENIC		
SNP_68873B_1701	scaffold1844	NW_004516937.1	1701	CC	TT	TT	INTERGENIC		
SNP_68874B_1777	scaffold1844	NW_004516937.1	1777	GG	AA	AA	INTERGENIC		
SNP_68875B_1881	scaffold1844	NW_004516937.1	1881	TT	CC	CC	INTERGENIC		
SNP_68876B_1932	scaffold1844	NW_004516937.1	1932	AA	TT	TT	INTERGENIC		
SNP_68879B_2126	scaffold1844	NW_004516937.1	2126	AA	CC	CC	INTERGENIC		
SNP_68880B_2154	scaffold1844	NW_004516937.1	2154	TT	GG	GG	INTERGENIC		
SNP_68882B_2240	scaffold1844	NW_004516937.1	2240	TT	AA	AA	INTERGENIC		
SNP_68883B_2309	scaffold1844	NW_004516937.1	2309	CC	AA	AA	INTERGENIC		
SNP_68884B_2327	scaffold1844	NW_004516937.1	2327	CC	AA	AA	INTERGENIC		
SNP_68885B_2403	scaffold1844	NW_004516937.1	2403	TT	GG	GG	INTERGENIC		
SNP_68886B_2464	scaffold1844	NW_004516937.1	2464	GG	TT	TT	INTERGENIC		
SNP_68888B_2631	scaffold1844	NW_004516937.1	2631	CC	AA	AA	INTERGENIC		
SNP_68889B_2673	scaffold1844	NW_004516937.1	2673	AA	TT	TT	INTERGENIC		
SNP_68890B_2797	scaffold1844	NW_004516937.1	2797	CC	TT	TT	INTERGENIC		
SNP_68891B_6270	scaffold1844	NW_004516937.1	6270	CC	TT	TT	INTERGENIC		
SNP_68892B_6271	scaffold1844	NW_004516937.1	6271	AA	GG	GG	INTERGENIC		
SNP_68893B_10710	scaffold1844	NW_004516937.1	10710	GG	CC	CC	INTERGENIC		
SNP_68894B_10977	scaffold1844	NW_004516937.1	10977	AA	CC	CC	INTERGENIC		
SNP_68895B_12434	scaffold1844	NW_004516937.1	12434	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68896B_12452	scaffold1844	NW_004516937.1	12452	CC	GG	GG	INTERGENIC		
SNP_68897B_12728	scaffold1844	NW_004516937.1	12728	CC	TT	TT	INTERGENIC		
SNP_68898B_12745	scaffold1844	NW_004516937.1	12745	AA	GG	GG	INTERGENIC		
SNP_68899B_12816	scaffold1844	NW_004516937.1	12816	AA	TT	TT	INTERGENIC		
SNP_68900B_12819	scaffold1844	NW_004516937.1	12819	AA	GG	GG	INTERGENIC		
SNP_68901B_46627	scaffold1844	NW_004516937.1	46627	TT	CC	CC	URR	101509718	VHS domain-containing protein At3g16270
SNP_68902B_89549	scaffold1844	NW_004516937.1	89549	TT	CC	CC	NON_SYNONYMOUS_CODING	101513153	serine/threonine-protein phosphatase 7 long form homolog
SNP_68903B_89577	scaffold1844	NW_004516937.1	89577	CC	GG	GG	NON_SYNONYMOUS_CODING	101513153	serine/threonine-protein phosphatase 7 long form homolog
SNP_68904B_120998	scaffold1844	NW_004516937.1	120998	AA	GG	GG	INTERGENIC		
SNP_68905B_121126	scaffold1844	NW_004516937.1	121126	GG	TT	TT	INTERGENIC		
SNP_68906B_121128	scaffold1844	NW_004516937.1	121128	TT	GG	GG	INTERGENIC		
SNP_68907B_121176	scaffold1844	NW_004516937.1	121176	CC	AA	AA	INTERGENIC		
SNP_68908B_121191	scaffold1844	NW_004516937.1	121191	CC	GG	GG	INTERGENIC		
SNP_68909B_134053	scaffold1844	NW_004516937.1	134053	GG	TT	TT	INTERGENIC		
SNP_68910B_134285	scaffold1844	NW_004516937.1	134285	AA	GG	GG	INTERGENIC		
SNP_68911B_134351	scaffold1844	NW_004516937.1	134351	TT	AA	AA	INTERGENIC		
SNP_68912B_134376	scaffold1844	NW_004516937.1	134376	AA	TT	TT	INTERGENIC		
SNP_68913B_157438	scaffold1844	NW_004516937.1	157438	TT	CC	CC	INTERGENIC		
SNP_68914B_157447	scaffold1844	NW_004516937.1	157447	CC	TT	TT	INTERGENIC		
SNP_68915B_157464	scaffold1844	NW_004516937.1	157464	TT	GG	GG	INTERGENIC		
SNP_68916B_157534	scaffold1844	NW_004516937.1	157534	TT	CC	CC	INTERGENIC		
SNP_68917B_157540	scaffold1844	NW_004516937.1	157540	CC	AA	AA	INTERGENIC		
SNP_68918B_157821	scaffold1844	NW_004516937.1	157821	TT	AA	AA	INTERGENIC		
SNP_68920B_166906	scaffold1844	NW_004516937.1	166906	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68921B_167034	scaffold1844	NW_004516937.1	167034	TT	GG	GG	INTERGENIC		
SNP_68922B_167045	scaffold1844	NW_004516937.1	167045	TT	CC	CC	INTERGENIC		
SNP_68923B_167090	scaffold1844	NW_004516937.1	167090	AA	GG	GG	INTERGENIC		
SNP_68924B_167103	scaffold1844	NW_004516937.1	167103	AA	GG	GG	INTERGENIC		
SNP_68925B_167132	scaffold1844	NW_004516937.1	167132	CC	TT	TT	INTERGENIC		
SNP_68926B_167141	scaffold1844	NW_004516937.1	167141	CC	TT	TT	INTERGENIC		
SNP_68927B_167163	scaffold1844	NW_004516937.1	167163	AA	TT	TT	INTERGENIC		
SNP_68928B_167164	scaffold1844	NW_004516937.1	167164	AA	TT	TT	INTERGENIC		
SNP_68930B_167266	scaffold1844	NW_004516937.1	167266	TT	AA	AA	INTERGENIC		
SNP_68931B_167317	scaffold1844	NW_004516937.1	167317	GG	TT	TT	INTERGENIC		
SNP_68932B_167318	scaffold1844	NW_004516937.1	167318	TT	GG	GG	INTERGENIC		
SNP_68933B_167549	scaffold1844	NW_004516937.1	167549	GG	TT	TT	INTERGENIC		
SNP_68934B_167554	scaffold1844	NW_004516937.1	167554	AA	GG	GG	INTERGENIC		
SNP_68935B_167602	scaffold1844	NW_004516937.1	167602	CC	TT	TT	INTERGENIC		
SNP_68936B_167639	scaffold1844	NW_004516937.1	167639	GG	TT	TT	INTERGENIC		
SNP_68937B_523	scaffold1845	NW_004516938.1	523	CC	TT	TT	INTERGENIC		
SNP_68938B_15470	scaffold1845	NW_004516938.1	15470	TT	CC	CC	INTERGENIC		
SNP_68939B_15483	scaffold1845	NW_004516938.1	15483	AA	GG	GG	INTERGENIC		
SNP_68940B_15525	scaffold1845	NW_004516938.1	15525	AA	CC	CC	INTERGENIC		
SNP_68941B_15584	scaffold1845	NW_004516938.1	15584	TT	CC	CC	INTERGENIC		
SNP_68942B_28566	scaffold1845	NW_004516938.1	28566	AA	GG	GG	INTERGENIC		
SNP_68943B_28580	scaffold1845	NW_004516938.1	28580	TT	CC	CC	INTERGENIC		
SNP_68944B_28787	scaffold1845	NW_004516938.1	28787	CC	AA	AA	INTERGENIC		
SNP_68945B_28790	scaffold1845	NW_004516938.1	28790	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68946B_28820	scaffold1845	NW_004516938.1	28820	AA	CC	CC	INTERGENIC		
SNP_68947B_28842	scaffold1845	NW_004516938.1	28842	CC	GG	GG	INTERGENIC		
SNP_68948B_28850	scaffold1845	NW_004516938.1	28850	TT	CC	CC	INTERGENIC		
SNP_68949B_28860	scaffold1845	NW_004516938.1	28860	GG	AA	AA	INTERGENIC		
SNP_68950B_40182	scaffold1845	NW_004516938.1	40182	GG	CC	CC	INTERGENIC		
SNP_68951B_63028	scaffold1845	NW_004516938.1	63028	GG	AA	AA	INTERGENIC		
SNP_68952B_70616	scaffold1845	NW_004516938.1	70616	AA	GG	GG	INTERGENIC		
SNP_68954B_81179	scaffold1845	NW_004516938.1	81179	TT	CC	CC	URR	101515331	Unknown function
SNP_68955B_107344	scaffold1845	NW_004516938.1	107344	AA	GG	GG	INTRON	101515655	phosphoenolpyruvate carboxylase 4-like
SNP_68956B_116906	scaffold1845	NW_004516938.1	116906	GG	AA	AA	INTRON	101515655	phosphoenolpyruvate carboxylase 4-like
SNP_68957B_126546	scaffold1845	NW_004516938.1	126546	AA	GG	GG	INTRON	101515655	phosphoenolpyruvate carboxylase 4-like
SNP_68958B_127213	scaffold1845	NW_004516938.1	127213	CC	GG	GG	INTRON	101515655	phosphoenolpyruvate carboxylase 4-like
SNP_68959B_127476	scaffold1845	NW_004516938.1	127476	TT	GG	GG	INTRON	101515655	phosphoenolpyruvate carboxylase 4-like
SNP_68960B_127525	scaffold1845	NW_004516938.1	127525	TT	CC	CC	INTRON	101515655	phosphoenolpyruvate carboxylase 4-like
SNP_68961B_127560	scaffold1845	NW_004516938.1	127560	CC	TT	TT	INTRON	101515655	phosphoenolpyruvate carboxylase 4-like
SNP_68962B_127576	scaffold1845	NW_004516938.1	127576	CC	TT	TT	INTRON	101515655	phosphoenolpyruvate carboxylase 4-like
SNP_68963B_127584	scaffold1845	NW_004516938.1	127584	AA	GG	GG	INTRON	101515655	phosphoenolpyruvate carboxylase 4-like
SNP_68964B_1023	scaffold1847	NW_004516940.1	1023	AA	CC	CC	INTERGENIC		
SNP_68965B_932	scaffold1848	NW_004516941.1	932	CC	TT	TT	INTERGENIC		
SNP_68966B_3470	scaffold1848	NW_004516941.1	3470	AA	TT	TT	INTERGENIC		
SNP_68967B_3503	scaffold1848	NW_004516941.1	3503	CC	AA	AA	INTERGENIC		
SNP_68968B_3507	scaffold1848	NW_004516941.1	3507	AA	GG	GG	INTERGENIC		
SNP_68969B_10934	scaffold1848	NW_004516941.1	10934	GG	CC	CC	INTERGENIC		
SNP_68970B_10951	scaffold1848	NW_004516941.1	10951	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68971B_11354	scaffold1848	NW_004516941.1	11354	TT	CC	CC	INTERGENIC		
SNP_68972B_12161	scaffold1848	NW_004516941.1	12161	AA	GG	GG	DRR	101488410	60S acidic ribosomal protein P1-like
SNP_68973B_12166	scaffold1848	NW_004516941.1	12166	TT	CC	CC	DRR	101488410	60S acidic ribosomal protein P1-like
SNP_68974B_12207	scaffold1848	NW_004516941.1	12207	AA	GG	GG	DRR	101488410	60S acidic ribosomal protein P1-like
SNP_68975B_12213	scaffold1848	NW_004516941.1	12213	CC	TT	TT	DRR	101488410	60S acidic ribosomal protein P1-like
SNP_68976B_12434	scaffold1848	NW_004516941.1	12434	GG	AA	AA	DRR	101488410	60S acidic ribosomal protein P1-like
SNP_68977B_12436	scaffold1848	NW_004516941.1	12436	CC	GG	GG	DRR	101488410	60S acidic ribosomal protein P1-like
SNP_68978B_64	scaffold1851	NW_004516943.1	64	AA	CC	CC	INTERGENIC		
SNP_68979B_385	scaffold1851	NW_004516943.1	385	TT	CC	CC	INTERGENIC		
SNP_68980B_539	scaffold1851	NW_004516943.1	539	GG	CC	CC	INTERGENIC		
SNP_68981B_43156	scaffold1852	NW_004516944.1	43156	CC	TT	TT	INTERGENIC		
SNP_68982B_43157	scaffold1852	NW_004516944.1	43157	GG	TT	TT	INTERGENIC		
SNP_68983B_43161	scaffold1852	NW_004516944.1	43161	GG	CC	CC	INTERGENIC		
SNP_68984B_43162	scaffold1852	NW_004516944.1	43162	GG	AA	AA	INTERGENIC		
SNP_68985B_43192	scaffold1852	NW_004516944.1	43192	TT	GG	GG	INTERGENIC		
SNP_68986B_43209	scaffold1852	NW_004516944.1	43209	TT	CC	CC	INTERGENIC		
SNP_68987B_43307	scaffold1852	NW_004516944.1	43307	AA	GG	GG	INTERGENIC		
SNP_68988B_57735	scaffold1852	NW_004516944.1	57735	GG	AA	AA	INTERGENIC		
SNP_68989B_93824	scaffold1852	NW_004516944.1	93824	GG	TT	TT	INTERGENIC		
SNP_68990B_93832	scaffold1852	NW_004516944.1	93832	AA	GG	GG	INTERGENIC		
SNP_68991B_93835	scaffold1852	NW_004516944.1	93835	AA	GG	GG	INTERGENIC		
SNP_68992B_93988	scaffold1852	NW_004516944.1	93988	TT	GG	GG	INTERGENIC		
SNP_68993B_94239	scaffold1852	NW_004516944.1	94239	TT	CC	CC	INTERGENIC		
SNP_68994B_94271	scaffold1852	NW_004516944.1	94271	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_68995B_94277	scaffold1852	NW_004516944.1	94277	AA	GG	GG	INTERGENIC		
SNP_68996B_94281	scaffold1852	NW_004516944.1	94281	TT	CC	CC	INTERGENIC		
SNP_68997B_94296	scaffold1852	NW_004516944.1	94296	CC	TT	TT	INTERGENIC		
SNP_68998B_94298	scaffold1852	NW_004516944.1	94298	GG	CC	CC	INTERGENIC		
SNP_68999B_94303	scaffold1852	NW_004516944.1	94303	CC	TT	TT	INTERGENIC		
SNP_69000B_94307	scaffold1852	NW_004516944.1	94307	TT	CC	CC	INTERGENIC		
SNP_69001B_94340	scaffold1852	NW_004516944.1	94340	TT	CC	CC	INTERGENIC		
SNP_69002B_94420	scaffold1852	NW_004516944.1	94420	CC	TT	TT	INTERGENIC		
SNP_69003B_94454	scaffold1852	NW_004516944.1	94454	AA	GG	GG	INTERGENIC		
SNP_69005B_94670	scaffold1852	NW_004516944.1	94670	AA	GG	GG	INTERGENIC		
SNP_69006B_94685	scaffold1852	NW_004516944.1	94685	AA	GG	GG	INTERGENIC		
SNP_69007B_94707	scaffold1852	NW_004516944.1	94707	GG	AA	AA	INTERGENIC		
SNP_69008B_94739	scaffold1852	NW_004516944.1	94739	CC	TT	TT	INTERGENIC		
SNP_69010B_94799	scaffold1852	NW_004516944.1	94799	GG	AA	AA	INTERGENIC		
SNP_69012B_95104	scaffold1852	NW_004516944.1	95104	AA	TT	TT	INTERGENIC		
SNP_69013B_95109	scaffold1852	NW_004516944.1	95109	GG	AA	AA	INTERGENIC		
SNP_69014B_95122	scaffold1852	NW_004516944.1	95122	CC	TT	TT	INTERGENIC		
SNP_69015B_95147	scaffold1852	NW_004516944.1	95147	AA	TT	TT	INTERGENIC		
SNP_69016B_95167	scaffold1852	NW_004516944.1	95167	TT	GG	GG	INTERGENIC		
SNP_69017B_95191	scaffold1852	NW_004516944.1	95191	TT	CC	CC	INTERGENIC		
SNP_69018B_95249	scaffold1852	NW_004516944.1	95249	GG	TT	TT	INTERGENIC		
SNP_69019B_95335	scaffold1852	NW_004516944.1	95335	TT	GG	GG	INTERGENIC		
SNP_69020B_95380	scaffold1852	NW_004516944.1	95380	TT	GG	GG	INTERGENIC		
SNP_69021B_101421	scaffold1852	NW_004516944.1	101421	TT	CC	CC	URR	101489941	non-specific lipid-transfer protein A-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_69022B_101606	scaffold1852	NW_004516944.1	101606	CC	AA	AA	URR	101489941	non-specific lipid-transfer protein A-like
SNP_69023B_101615	scaffold1852	NW_004516944.1	101615	GG	AA	AA	URR	101489941	non-specific lipid-transfer protein A-like
SNP_69024B_101855	scaffold1852	NW_004516944.1	101855	AA	GG	GG	URR	101489941	non-specific lipid-transfer protein A-like
SNP_69025B_101858	scaffold1852	NW_004516944.1	101858	GG	AA	AA	URR	101489941	non-specific lipid-transfer protein A-like
SNP_69026B_101859	scaffold1852	NW_004516944.1	101859	TT	CC	CC	URR	101489941	non-specific lipid-transfer protein A-like
SNP_69027B_101955	scaffold1852	NW_004516944.1	101955	TT	AA	AA	URR	101489941	non-specific lipid-transfer protein A-like
SNP_69028B_101979	scaffold1852	NW_004516944.1	101979	GG	AA	AA	URR	101489941	non-specific lipid-transfer protein A-like
SNP_69029B_102172	scaffold1852	NW_004516944.1	102172	TT	CC	CC	URR	101489941	non-specific lipid-transfer protein A-like
SNP_69030B_102199	scaffold1852	NW_004516944.1	102199	GG	AA	AA	URR	101489941	non-specific lipid-transfer protein A-like
SNP_69031B_102907	scaffold1852	NW_004516944.1	102907	TT	CC	CC	URR	101489941	non-specific lipid-transfer protein A-like
SNP_69032B_102936	scaffold1852	NW_004516944.1	102936	GG	AA	AA	URR	101489941	non-specific lipid-transfer protein A-like
SNP_69034B_103011	scaffold1852	NW_004516944.1	103011	TT	AA	AA	INTERGENIC		
SNP_69035B_103023	scaffold1852	NW_004516944.1	103023	CC	TT	TT	INTERGENIC		
SNP_69036B_103101	scaffold1852	NW_004516944.1	103101	CC	AA	AA	INTERGENIC		
SNP_69037B_103133	scaffold1852	NW_004516944.1	103133	AA	TT	TT	INTERGENIC		
SNP_69038B_103134	scaffold1852	NW_004516944.1	103134	TT	AA	AA	INTERGENIC		
SNP_69039B_103192	scaffold1852	NW_004516944.1	103192	TT	AA	AA	INTERGENIC		
SNP_69040B_103483	scaffold1852	NW_004516944.1	103483	AA	TT	TT	INTERGENIC		
SNP_69041B_103499	scaffold1852	NW_004516944.1	103499	TT	CC	CC	INTERGENIC		
SNP_69043B_103552	scaffold1852	NW_004516944.1	103552	CC	TT	TT	INTERGENIC		
SNP_69044B_103561	scaffold1852	NW_004516944.1	103561	TT	CC	CC	INTERGENIC		
SNP_69045B_103577	scaffold1852	NW_004516944.1	103577	GG	AA	AA	INTERGENIC		
SNP_69046B_103630	scaffold1852	NW_004516944.1	103630	AA	GG	GG	INTERGENIC		
SNP_69047B_10528	scaffold1854	NW_004516945.1	10528	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_69048B_35464	scaffold1854	NW_004516945.1	35464	AA	GG	GG	INTERGENIC		
SNP_69049B_39813	scaffold1854	NW_004516945.1	39813	AA	TT	TT	INTERGENIC		
SNP_69050B_49964	scaffold1854	NW_004516945.1	49964	AA	GG	GG	INTERGENIC		
SNP_69051B_50045	scaffold1854	NW_004516945.1	50045	GG	AA	AA	INTERGENIC		
SNP_69052B_6543	scaffold1856	NW_004516947.1	6543	CC	TT	TT	INTERGENIC		
SNP_69053B_6790	scaffold1856	NW_004516947.1	6790	GG	AA	AA	INTERGENIC		
SNP_69054B_12318	scaffold1861	NW_004516951.1	12318	AA	CC	CC	INTERGENIC		
SNP_69055B_12407	scaffold1861	NW_004516951.1	12407	CC	AA	AA	INTERGENIC		
SNP_69056B_12439	scaffold1861	NW_004516951.1	12439	AA	GG	GG	INTERGENIC		
SNP_69057B_12478	scaffold1861	NW_004516951.1	12478	TT	CC	CC	INTERGENIC		
SNP_69058B_12688	scaffold1861	NW_004516951.1	12688	TT	CC	CC	INTERGENIC		
SNP_69059B_12707	scaffold1861	NW_004516951.1	12707	TT	CC	CC	INTERGENIC		
SNP_69060B_12778	scaffold1861	NW_004516951.1	12778	TT	CC	CC	INTERGENIC		
SNP_69061B_12793	scaffold1861	NW_004516951.1	12793	AA	GG	GG	INTERGENIC		
SNP_69062B_12821	scaffold1861	NW_004516951.1	12821	TT	CC	CC	INTERGENIC		
SNP_69063B_1011	scaffold1862	NW_004516952.1	1011	TT	AA	AA	INTERGENIC		
SNP_69065B_3585	scaffold1864	NW_004516953.1	3585	GG	AA	AA	INTERGENIC		
SNP_69067B_3785	scaffold1864	NW_004516953.1	3785	CC	TT	TT	INTERGENIC		
SNP_69068B_3789	scaffold1864	NW_004516953.1	3789	TT	CC	CC	INTERGENIC		
SNP_69069B_3790	scaffold1864	NW_004516953.1	3790	GG	AA	AA	INTERGENIC		
SNP_69070B_3808	scaffold1864	NW_004516953.1	3808	AA	GG	GG	INTERGENIC		
SNP_69071B_3970	scaffold1864	NW_004516953.1	3970	TT	CC	CC	INTERGENIC		
SNP_69072B_4138	scaffold1864	NW_004516953.1	4138	GG	TT	TT	INTERGENIC		
SNP_69074B_4337	scaffold1864	NW_004516953.1	4337	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_69075B_4362	scaffold1864	NW_004516953.1	4362	AA	GG	GG	INTERGENIC		
SNP_69077B_4619	scaffold1864	NW_004516953.1	4619	CC	TT	TT	INTERGENIC		
SNP_69079B_4764	scaffold1864	NW_004516953.1	4764	TT	CC	CC	INTERGENIC		
SNP_69080B_4791	scaffold1864	NW_004516953.1	4791	CC	GG	GG	INTERGENIC		
SNP_69081B_4893	scaffold1864	NW_004516953.1	4893	CC	TT	TT	INTERGENIC		
SNP_69082B_4901	scaffold1864	NW_004516953.1	4901	CC	TT	TT	INTERGENIC		
SNP_69083B_4973	scaffold1864	NW_004516953.1	4973	GG	AA	AA	INTERGENIC		
SNP_69084B_4984	scaffold1864	NW_004516953.1	4984	GG	AA	AA	INTERGENIC		
SNP_69085B_5028	scaffold1864	NW_004516953.1	5028	GG	TT	TT	INTERGENIC		
SNP_69087B_5292	scaffold1864	NW_004516953.1	5292	GG	AA	AA	INTERGENIC		
SNP_69088B_5300	scaffold1864	NW_004516953.1	5300	TT	AA	AA	INTERGENIC		
SNP_69089B_5382	scaffold1864	NW_004516953.1	5382	TT	CC	CC	INTERGENIC		
SNP_69090B_5523	scaffold1864	NW_004516953.1	5523	TT	AA	AA	INTERGENIC		
SNP_69092B_5603	scaffold1864	NW_004516953.1	5603	CC	TT	TT	INTERGENIC		
SNP_69093B_5613	scaffold1864	NW_004516953.1	5613	CC	TT	TT	INTERGENIC		
SNP_69094B_5673	scaffold1864	NW_004516953.1	5673	CC	AA	AA	INTERGENIC		
SNP_69095B_5700	scaffold1864	NW_004516953.1	5700	CC	TT	TT	INTERGENIC		
SNP_69096B_5715	scaffold1864	NW_004516953.1	5715	TT	CC	CC	INTERGENIC		
SNP_69097B_5716	scaffold1864	NW_004516953.1	5716	TT	CC	CC	INTERGENIC		
SNP_69098B_5753	scaffold1864	NW_004516953.1	5753	AA	GG	GG	INTERGENIC		
SNP_69099B_5754	scaffold1864	NW_004516953.1	5754	CC	TT	TT	INTERGENIC		
SNP_69100B_5758	scaffold1864	NW_004516953.1	5758	TT	CC	CC	INTERGENIC		
SNP_69101B_5762	scaffold1864	NW_004516953.1	5762	AA	GG	GG	INTERGENIC		
SNP_69102B_5789	scaffold1864	NW_004516953.1	5789	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_69103B_5848	scaffold1864	NW_004516953.1	5848	CC	TT	TT	INTERGENIC		
SNP_69104B_5875	scaffold1864	NW_004516953.1	5875	TT	GG	GG	INTERGENIC		
SNP_69108B_6035	scaffold1864	NW_004516953.1	6035	CC	AA	AA	INTERGENIC		
SNP_69109B_6058	scaffold1864	NW_004516953.1	6058	CC	AA	AA	INTERGENIC		
SNP_69110B_6163	scaffold1864	NW_004516953.1	6163	AA	GG	GG	INTERGENIC		
SNP_69111B_6194	scaffold1864	NW_004516953.1	6194	AA	CC	CC	INTERGENIC		
SNP_69112B_6220	scaffold1864	NW_004516953.1	6220	GG	AA	AA	INTERGENIC		
SNP_69114B_6306	scaffold1864	NW_004516953.1	6306	GG	TT	TT	INTERGENIC		
SNP_69115B_6401	scaffold1864	NW_004516953.1	6401	TT	GG	GG	INTERGENIC		
SNP_69116B_6452	scaffold1864	NW_004516953.1	6452	GG	AA	AA	INTERGENIC		
SNP_69117B_10268	scaffold1864	NW_004516953.1	10268	CC	TT	TT	INTERGENIC		
SNP_69118B_10269	scaffold1864	NW_004516953.1	10269	TT	AA	AA	INTERGENIC		
SNP_69119B_10359	scaffold1864	NW_004516953.1	10359	CC	TT	TT	INTERGENIC		
SNP_69120B_10477	scaffold1864	NW_004516953.1	10477	CC	AA	AA	INTERGENIC		
SNP_69121B_10555	scaffold1864	NW_004516953.1	10555	AA	GG	GG	INTERGENIC		
SNP_69122B_10600	scaffold1864	NW_004516953.1	10600	TT	GG	GG	INTERGENIC		
SNP_69123B_10736	scaffold1864	NW_004516953.1	10736	CC	TT	TT	INTERGENIC		
SNP_69124B_10746	scaffold1864	NW_004516953.1	10746	CC	TT	TT	INTERGENIC		
SNP_69125B_10776	scaffold1864	NW_004516953.1	10776	CC	TT	TT	INTERGENIC		
SNP_69126B_10841	scaffold1864	NW_004516953.1	10841	TT	CC	CC	INTERGENIC		
SNP_69127B_10856	scaffold1864	NW_004516953.1	10856	AA	TT	TT	INTERGENIC		
SNP_69128B_10858	scaffold1864	NW_004516953.1	10858	TT	CC	CC	INTERGENIC		
SNP_69129B_11038	scaffold1864	NW_004516953.1	11038	CC	TT	TT	INTERGENIC		
SNP_69130B_11080	scaffold1864	NW_004516953.1	11080	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_69131B_11104	scaffold1864	NW_004516953.1	11104	TT	AA	AA	INTERGENIC		
SNP_69132B_11176	scaffold1864	NW_004516953.1	11176	TT	AA	AA	INTERGENIC		
SNP_69133B_11180	scaffold1864	NW_004516953.1	11180	AA	CC	CC	INTERGENIC		
SNP_69134B_11218	scaffold1864	NW_004516953.1	11218	TT	AA	AA	INTERGENIC		
SNP_69135B_11473	scaffold1864	NW_004516953.1	11473	CC	TT	TT	INTERGENIC		
SNP_69136B_11585	scaffold1864	NW_004516953.1	11585	AA	GG	GG	INTERGENIC		
SNP_69137B_11696	scaffold1864	NW_004516953.1	11696	CC	TT	TT	INTERGENIC		
SNP_69138B_11825	scaffold1864	NW_004516953.1	11825	CC	TT	TT	INTERGENIC		
SNP_69139B_11904	scaffold1864	NW_004516953.1	11904	AA	GG	GG	INTERGENIC		
SNP_69141B_14875	scaffold1864	NW_004516953.1	14875	AA	GG	GG	INTERGENIC		
SNP_69142B_14907	scaffold1864	NW_004516953.1	14907	CC	TT	TT	INTERGENIC		
SNP_69144B_15100	scaffold1864	NW_004516953.1	15100	TT	GG	GG	INTERGENIC		
SNP_69145B_15112	scaffold1864	NW_004516953.1	15112	GG	AA	AA	INTERGENIC		
SNP_69146B_15257	scaffold1864	NW_004516953.1	15257	TT	GG	GG	INTERGENIC		
SNP_69147B_19613	scaffold1864	NW_004516953.1	19613	CC	TT	TT	INTERGENIC		
SNP_69148B_19788	scaffold1864	NW_004516953.1	19788	TT	AA	AA	INTERGENIC		
SNP_69149B_19823	scaffold1864	NW_004516953.1	19823	GG	AA	AA	INTERGENIC		
SNP_69150B_19862	scaffold1864	NW_004516953.1	19862	AA	CC	CC	INTERGENIC		
SNP_69151B_20019	scaffold1864	NW_004516953.1	20019	AA	TT	TT	INTERGENIC		
SNP_69152B_20371	scaffold1864	NW_004516953.1	20371	GG	AA	AA	INTERGENIC		
SNP_69153B_4320	scaffold1866	NW_004516955.1	4320	CC	TT	TT	INTERGENIC		
SNP_69154B_4341	scaffold1866	NW_004516955.1	4341	CC	TT	TT	INTERGENIC		
SNP_69155B_4475	scaffold1866	NW_004516955.1	4475	GG	AA	AA	INTERGENIC		
SNP_69156B_4480	scaffold1866	NW_004516955.1	4480	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_69157B_4510	scaffold1866	NW_004516955.1	4510	AA	GG	GG	INTERGENIC		
SNP_69158B_4520	scaffold1866	NW_004516955.1	4520	AA	GG	GG	INTERGENIC		
SNP_69159B_4523	scaffold1866	NW_004516955.1	4523	AA	GG	GG	INTERGENIC		
SNP_69160B_4660	scaffold1866	NW_004516955.1	4660	GG	TT	TT	INTERGENIC		
SNP_69161B_35242	scaffold1866	NW_004516955.1	35242	TT	CC	CC	INTERGENIC		
SNP_69163B_44369	scaffold1866	NW_004516955.1	44369	TT	CC	CC	INTERGENIC		
SNP_69164B_50333	scaffold1866	NW_004516955.1	50333	AA	GG	GG	DRR	101491861	putative F-box protein At3g16210
SNP_69165B_62679	scaffold1866	NW_004516955.1	62679	TT	CC	CC	INTERGENIC		
SNP_69166B_62718	scaffold1866	NW_004516955.1	62718	GG	AA	AA	INTERGENIC		
SNP_69167B_62759	scaffold1866	NW_004516955.1	62759	TT	GG	GG	INTERGENIC		
SNP_69169B_62850	scaffold1866	NW_004516955.1	62850	TT	CC	CC	INTERGENIC		
SNP_69170B_62883	scaffold1866	NW_004516955.1	62883	CC	TT	TT	INTERGENIC		
SNP_69171B_62916	scaffold1866	NW_004516955.1	62916	CC	AA	AA	INTERGENIC		
SNP_69172B_62962	scaffold1866	NW_004516955.1	62962	AA	CC	CC	INTERGENIC		
SNP_69173B_63070	scaffold1866	NW_004516955.1	63070	TT	AA	AA	INTERGENIC		
SNP_69174B_100443	scaffold1866	NW_004516955.1	100443	TT	CC	CC	INTERGENIC		
SNP_69175B_115706	scaffold1866	NW_004516955.1	115706	TT	AA	AA	INTERGENIC		
SNP_69176B_135305	scaffold1866	NW_004516955.1	135305	CC	TT	TT	INTERGENIC		
SNP_69178B_70977	scaffold1867	NW_004516956.1	70977	TT	CC	CC	INTERGENIC		
SNP_69179B_70991	scaffold1867	NW_004516956.1	70991	CC	TT	TT	INTERGENIC		
SNP_69180B_71006	scaffold1867	NW_004516956.1	71006	GG	AA	AA	INTERGENIC		
SNP_69182B_71018	scaffold1867	NW_004516956.1	71018	TT	CC	CC	INTERGENIC		
SNP_69183B_71037	scaffold1867	NW_004516956.1	71037	AA	CC	CC	INTERGENIC		
SNP_69184B_71038	scaffold1867	NW_004516956.1	71038	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_69185B_90503	scaffold1867	NW_004516956.1	90503	CC	GG	GG	INTERGENIC		
SNP_69186B_95410	scaffold1867	NW_004516956.1	95410	TT	AA	AA	INTERGENIC		
SNP_69188B_95443	scaffold1867	NW_004516956.1	95443	CC	TT	TT	INTERGENIC		
SNP_69189B_96083	scaffold1867	NW_004516956.1	96083	TT	AA	AA	INTERGENIC		
SNP_69190B_96424	scaffold1867	NW_004516956.1	96424	AA	GG	GG	INTERGENIC		
SNP_69191B_96746	scaffold1867	NW_004516956.1	96746	CC	TT	TT	INTERGENIC		
SNP_69192B_96774	scaffold1867	NW_004516956.1	96774	GG	AA	AA	INTERGENIC		
SNP_69193B_111323	scaffold1867	NW_004516956.1	111323	GG	TT	TT	INTERGENIC		
SNP_69194B_163285	scaffold1867	NW_004516956.1	163285	AA	CC	CC	INTERGENIC		
SNP_69195B_163455	scaffold1867	NW_004516956.1	163455	TT	CC	CC	INTERGENIC		
SNP_69196B_163467	scaffold1867	NW_004516956.1	163467	AA	GG	GG	INTERGENIC		
SNP_69197B_164369	scaffold1867	NW_004516956.1	164369	CC	TT	TT	INTERGENIC		
SNP_69198B_164390	scaffold1867	NW_004516956.1	164390	CC	AA	AA	INTERGENIC		
SNP_69199B_172188	scaffold1867	NW_004516956.1	172188	AA	CC	TT	INTERGENIC		
SNP_69200B_214970	scaffold1867	NW_004516956.1	214970	AA	CC	CC	INTERGENIC		
SNP_69201B_226666	scaffold1867	NW_004516956.1	226666	AA	GG	GG	INTRON	101494999	diacylglycerol kinase 4-like
SNP_69203B_229447	scaffold1867	NW_004516956.1	229447	CC	TT	TT	INTRON	101494999	diacylglycerol kinase 4-like
SNP_69204B_237465	scaffold1867	NW_004516956.1	237465	GG	AA	AA	INTRON	101494999	diacylglycerol kinase 4-like
SNP_69205B_237506	scaffold1867	NW_004516956.1	237506	AA	CC	CC	INTRON	101494999	diacylglycerol kinase 4-like
SNP_69206B_237539	scaffold1867	NW_004516956.1	237539	TT	CC	CC	INTRON	101494999	diacylglycerol kinase 4-like
SNP_69207B_237566	scaffold1867	NW_004516956.1	237566	CC	TT	TT	INTRON	101494999	diacylglycerol kinase 4-like
SNP_69208B_237578	scaffold1867	NW_004516956.1	237578	AA	CC	CC	INTRON	101494999	diacylglycerol kinase 4-like
SNP_69209B_237592	scaffold1867	NW_004516956.1	237592	TT	CC	CC	INTRON	101494999	diacylglycerol kinase 4-like
SNP_69210B_237644	scaffold1867	NW_004516956.1	237644	AA	GG	GG	INTRON	101494999	diacylglycerol kinase 4-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_69211B_237650	scaffold1867	NW_004516956.1	237650	TT	CC	CC	INTRON	101494999	diacylglycerol kinase 4-like
SNP_69212B_237661	scaffold1867	NW_004516956.1	237661	AA	GG	GG	INTRON	101494999	diacylglycerol kinase 4-like
SNP_69213B_237713	scaffold1867	NW_004516956.1	237713	TT	CC	CC	INTRON	101494999	diacylglycerol kinase 4-like
SNP_69214B_237715	scaffold1867	NW_004516956.1	237715	AA	CC	CC	INTRON	101494999	diacylglycerol kinase 4-like
SNP_69215B_314805	scaffold1867	NW_004516956.1	314805	AA	GG	GG	INTERGENIC		
SNP_69216B_64	scaffold1869	NW_004516958.1	64	AA	GG	GG	INTERGENIC		
SNP_69217B_419	scaffold1869	NW_004516958.1	419	TT	GG	GG	INTERGENIC		
SNP_69218B_569	scaffold1869	NW_004516958.1	569	TT	AA	AA	INTERGENIC		
SNP_69219B_840	scaffold1869	NW_004516958.1	840	AA	GG	GG	INTERGENIC		
SNP_69220B_1497	scaffold1869	NW_004516958.1	1497	TT	CC	CC	INTERGENIC		
SNP_69221B_2083	scaffold1869	NW_004516958.1	2083	AA	GG	GG	INTERGENIC		
SNP_69222B_8198	scaffold1869	NW_004516958.1	8198	CC	TT	TT	INTERGENIC		
SNP_69223B_12686	scaffold1869	NW_004516958.1	12686	CC	AA	AA	INTERGENIC		
SNP_69224B_13099	scaffold1869	NW_004516958.1	13099	AA	GG	GG	INTERGENIC		
SNP_69225B_14200	scaffold1869	NW_004516958.1	14200	GG	AA	AA	INTERGENIC		
SNP_69226B_14222	scaffold1869	NW_004516958.1	14222	TT	CC	CC	INTERGENIC		
SNP_69227B_14315	scaffold1869	NW_004516958.1	14315	CC	AA	AA	INTERGENIC		
SNP_69228B_15938	scaffold1869	NW_004516958.1	15938	CC	GG	GG	INTERGENIC		
SNP_69229B_15953	scaffold1869	NW_004516958.1	15953	TT	CC	CC	INTERGENIC		
SNP_69231B_16097	scaffold1869	NW_004516958.1	16097	TT	CC	CC	INTERGENIC		
SNP_69232B_16245	scaffold1869	NW_004516958.1	16245	TT	CC	CC	INTERGENIC		
SNP_69233B_16263	scaffold1869	NW_004516958.1	16263	CC	TT	TT	INTERGENIC		
SNP_69234B_16288	scaffold1869	NW_004516958.1	16288	AA	TT	TT	INTERGENIC		
SNP_69235B_16642	scaffold1869	NW_004516958.1	16642	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_69236B_16690	scaffold1869	NW_004516958.1	16690	AA	GG	GG	INTERGENIC		
SNP_69237B_16756	scaffold1869	NW_004516958.1	16756	AA	GG	GG	INTERGENIC		
SNP_69238B_16786	scaffold1869	NW_004516958.1	16786	CC	TT	TT	INTERGENIC		
SNP_69239B_16803	scaffold1869	NW_004516958.1	16803	CC	TT	TT	INTERGENIC		
SNP_69240B_16851	scaffold1869	NW_004516958.1	16851	GG	AA	AA	INTERGENIC		
SNP_69241B_17012	scaffold1869	NW_004516958.1	17012	CC	TT	TT	INTERGENIC		
SNP_69242B_18810	scaffold1869	NW_004516958.1	18810	CC	GG	GG	INTERGENIC		
SNP_69243B_18929	scaffold1869	NW_004516958.1	18929	AA	CC	CC	INTERGENIC		
SNP_69244B_18973	scaffold1869	NW_004516958.1	18973	CC	TT	TT	INTERGENIC		
SNP_69245B_19057	scaffold1869	NW_004516958.1	19057	CC	AA	AA	INTERGENIC		
SNP_69246B_19154	scaffold1869	NW_004516958.1	19154	GG	AA	AA	INTERGENIC		
SNP_69247B_19167	scaffold1869	NW_004516958.1	19167	TT	CC	CC	INTERGENIC		
SNP_69248B_19278	scaffold1869	NW_004516958.1	19278	GG	AA	AA	INTERGENIC		
SNP_69249B_19380	scaffold1869	NW_004516958.1	19380	CC	TT	TT	INTERGENIC		
SNP_69250B_19515	scaffold1869	NW_004516958.1	19515	TT	GG	GG	INTERGENIC		
SNP_69252B_19603	scaffold1869	NW_004516958.1	19603	CC	TT	TT	INTERGENIC		
SNP_69253B_19609	scaffold1869	NW_004516958.1	19609	TT	CC	CC	INTERGENIC		
SNP_69254B_19757	scaffold1869	NW_004516958.1	19757	CC	AA	AA	INTERGENIC		
SNP_69255B_19847	scaffold1869	NW_004516958.1	19847	CC	AA	AA	INTERGENIC		
SNP_69256B_19950	scaffold1869	NW_004516958.1	19950	CC	AA	AA	INTERGENIC		
SNP_69257B_19962	scaffold1869	NW_004516958.1	19962	AA	TT	TT	INTERGENIC		
SNP_69259B_20064	scaffold1869	NW_004516958.1	20064	TT	GG	GG	INTERGENIC		
SNP_69260B_20108	scaffold1869	NW_004516958.1	20108	TT	AA	AA	INTERGENIC		
SNP_69261B_20228	scaffold1869	NW_004516958.1	20228	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_69262B_20356	scaffold1869	NW_004516958.1	20356	AA	GG	GG	INTERGENIC		
SNP_69263B_24480	scaffold1869	NW_004516958.1	24480	AA	GG	GG	INTERGENIC		
SNP_69264B_24564	scaffold1869	NW_004516958.1	24564	TT	CC	CC	INTERGENIC		
SNP_69265B_634	scaffold1870	NW_004516959.1	634	TT	AA	AA	INTERGENIC		
SNP_69266B_21982	scaffold1872	NW_004516960.1	21982	GG	TT	TT	INTERGENIC		
SNP_69267B_2518	scaffold1874	NW_004516961.1	2518	GG	TT	TT	INTERGENIC		
SNP_69268B_6242	scaffold1878	NW_004516962.1	6242	TT	AA	AA	INTERGENIC		
SNP_69270B_8924	scaffold1878	NW_004516962.1	8924	TT	CC	CC	INTERGENIC		
SNP_69271B_14782	scaffold1878	NW_004516962.1	14782	TT	CC	CC	INTERGENIC		
SNP_69273B_26582	scaffold1878	NW_004516962.1	26582	AA	GG	GG	INTERGENIC		
SNP_69274B_28978	scaffold1878	NW_004516962.1	28978	GG	AA	AA	INTERGENIC		
SNP_69275B_32839	scaffold1878	NW_004516962.1	32839	CC	TT	TT	INTERGENIC		
SNP_69276B_40201	scaffold1878	NW_004516962.1	40201	TT	CC	CC	INTERGENIC		
SNP_69277B_40520	scaffold1878	NW_004516962.1	40520	TT	CC	CC	INTERGENIC		
SNP_69278B_40549	scaffold1878	NW_004516962.1	40549	CC	GG	GG	INTERGENIC		
SNP_69279B_40558	scaffold1878	NW_004516962.1	40558	AA	CC	CC	INTERGENIC		
SNP_69280B_40603	scaffold1878	NW_004516962.1	40603	CC	TT	TT	INTERGENIC		
SNP_69281B_40607	scaffold1878	NW_004516962.1	40607	GG	AA	AA	INTERGENIC		
SNP_69282B_40614	scaffold1878	NW_004516962.1	40614	TT	CC	CC	INTERGENIC		
SNP_69283B_40624	scaffold1878	NW_004516962.1	40624	AA	GG	GG	INTERGENIC		
SNP_69284B_40645	scaffold1878	NW_004516962.1	40645	AA	GG	GG	INTERGENIC		
SNP_69286B_40677	scaffold1878	NW_004516962.1	40677	GG	AA	AA	INTERGENIC		
SNP_69287B_40686	scaffold1878	NW_004516962.1	40686	AA	GG	GG	INTERGENIC		
SNP_69288B_40768	scaffold1878	NW_004516962.1	40768	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_69290B_69347	scaffold1878	NW_004516962.1	69347	GG	TT	TT	INTERGENIC		
SNP_69291B_70595	scaffold1878	NW_004516962.1	70595	TT	AA	AA	INTERGENIC		
SNP_69292B_75389	scaffold1878	NW_004516962.1	75389	AA	CC	CC	INTERGENIC		
SNP_69293B_75390	scaffold1878	NW_004516962.1	75390	AA	GG	GG	INTERGENIC		
SNP_69294B_1398	scaffold1883	NW_004516965.1	1398	AA	GG	GG	INTERGENIC		
SNP_69295B_500	scaffold1885	NW_004516967.1	500	AA	TT	TT	INTERGENIC		
SNP_69296B_501	scaffold1885	NW_004516967.1	501	TT	AA	AA	INTERGENIC		
SNP_69297B_521	scaffold1885	NW_004516967.1	521	TT	CC	CC	INTERGENIC		
SNP_69298B_538	scaffold1885	NW_004516967.1	538	GG	TT	TT	INTERGENIC		
SNP_69299B_559	scaffold1885	NW_004516967.1	559	AA	CC	CC	INTERGENIC		
SNP_69300B_965	scaffold1885	NW_004516967.1	965	TT	CC	CC	INTERGENIC		
SNP_69301B_2065	scaffold1885	NW_004516967.1	2065	TT	AA	AA	INTERGENIC		
SNP_69302B_2067	scaffold1885	NW_004516967.1	2067	GG	AA	AA	INTERGENIC		
SNP_69303B_2093	scaffold1885	NW_004516967.1	2093	CC	AA	AA	INTERGENIC		
SNP_69304B_2107	scaffold1885	NW_004516967.1	2107	AA	TT	TT	INTERGENIC		
SNP_69305B_2267	scaffold1885	NW_004516967.1	2267	CC	GG	GG	INTERGENIC		
SNP_69306B_2319	scaffold1885	NW_004516967.1	2319	AA	CC	CC	INTERGENIC		
SNP_69307B_2325	scaffold1885	NW_004516967.1	2325	TT	GG	GG	INTERGENIC		
SNP_69308B_2683	scaffold1885	NW_004516967.1	2683	AA	GG	GG	INTERGENIC		
SNP_69309B_2695	scaffold1885	NW_004516967.1	2695	TT	AA	AA	INTERGENIC		
SNP_69310B_2763	scaffold1885	NW_004516967.1	2763	GG	TT	TT	INTERGENIC		
SNP_69311B_3086	scaffold1885	NW_004516967.1	3086	CC	TT	TT	INTERGENIC		
SNP_69312B_5279	scaffold1885	NW_004516967.1	5279	TT	AA	AA	INTERGENIC		
SNP_69313B_12764	scaffold1885	NW_004516967.1	12764	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_69314B_39311	scaffold1885	NW_004516967.1	39311	TT	CC	CC	INTERGENIC		
SNP_69315B_39606	scaffold1885	NW_004516967.1	39606	AA	CC	CC	INTERGENIC		
SNP_69316B_39783	scaffold1885	NW_004516967.1	39783	AA	CC	CC	INTERGENIC		
SNP_69317B_40085	scaffold1885	NW_004516967.1	40085	CC	GG	GG	INTERGENIC		
SNP_69318B_40089	scaffold1885	NW_004516967.1	40089	CC	TT	TT	INTERGENIC		
SNP_69320B_42661	scaffold1885	NW_004516967.1	42661	CC	AA	AA	INTERGENIC		
SNP_69321B_42833	scaffold1885	NW_004516967.1	42833	TT	CC	CC	INTERGENIC		
SNP_69322B_42986	scaffold1885	NW_004516967.1	42986	GG	AA	AA	INTERGENIC		
SNP_69323B_43818	scaffold1885	NW_004516967.1	43818	AA	GG	GG	INTERGENIC		
SNP_69324B_43822	scaffold1885	NW_004516967.1	43822	TT	AA	AA	INTERGENIC		
SNP_69325B_45434	scaffold1885	NW_004516967.1	45434	TT	GG	GG	INTERGENIC		
SNP_69326B_46787	scaffold1885	NW_004516967.1	46787	AA	TT	TT	INTERGENIC		
SNP_69327B_47090	scaffold1885	NW_004516967.1	47090	TT	CC	CC	INTERGENIC		
SNP_69328B_47458	scaffold1885	NW_004516967.1	47458	CC	GG	GG	INTERGENIC		
SNP_69331B_18289	scaffold1886	NW_004516968.1	18289	CC	TT	TT	INTERGENIC		
SNP_69332B_19108	scaffold1886	NW_004516968.1	19108	TT	GG	GG	INTERGENIC		
SNP_69333B_94	scaffold1888	NW_004516969.1	94	CC	AA	AA	INTERGENIC		
SNP_69335B_533	scaffold1888	NW_004516969.1	533	AA	CC	CC	INTERGENIC		
SNP_69336B_547	scaffold1888	NW_004516969.1	547	AA	GG	GG	INTERGENIC		
SNP_69337B_588	scaffold1888	NW_004516969.1	588	AA	GG	GG	INTERGENIC		
SNP_69339B_130	scaffold1893	NW_004516972.1	130	CC	GG	GG	INTERGENIC		
SNP_69340B_151	scaffold1893	NW_004516972.1	151	CC	GG	GG	INTERGENIC		
SNP_69341B_183	scaffold1893	NW_004516972.1	183	CC	TT	TT	INTERGENIC		
SNP_69342B_506	scaffold1893	NW_004516972.1	506	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_69343B_2233	scaffold1893	NW_004516972.1	2233	CC	TT	TT	INTERGENIC		
SNP_69344B_15793	scaffold1893	NW_004516972.1	15793	TT	GG	GG	INTERGENIC		
SNP_69345B_15796	scaffold1893	NW_004516972.1	15796	TT	AA	AA	INTERGENIC		
SNP_69346B_15812	scaffold1893	NW_004516972.1	15812	GG	AA	AA	INTERGENIC		
SNP_69347B_17354	scaffold1893	NW_004516972.1	17354	AA	CC	CC	INTERGENIC		
SNP_69348B_17454	scaffold1893	NW_004516972.1	17454	TT	AA	AA	INTERGENIC		
SNP_69349B_1439	scaffold1894	NW_004516973.1	1439	GG	CC	CC	INTERGENIC		
SNP_69350B_1530	scaffold1894	NW_004516973.1	1530	AA	CC	CC	INTERGENIC		
SNP_69351B_6761	scaffold1896	NW_004516974.1	6761	AA	CC	CC	INTERGENIC		
SNP_69352B_14329	scaffold1896	NW_004516974.1	14329	CC	GG	GG	INTERGENIC		
SNP_69353B_18633	scaffold1896	NW_004516974.1	18633	GG	CC	CC	INTERGENIC		
SNP_69354B_2987	scaffold1897	NW_004516975.1	2987	TT	CC	CC	INTERGENIC		
SNP_69355B_11738	scaffold1897	NW_004516975.1	11738	TT	GG	GG	INTERGENIC		
SNP_69356B_11899	scaffold1897	NW_004516975.1	11899	CC	TT	TT	INTERGENIC		
SNP_69357B_33568	scaffold1899	NW_004516977.1	33568	AA	GG	GG	INTERGENIC		
SNP_69358B_33735	scaffold1899	NW_004516977.1	33735	TT	CC	CC	INTERGENIC		
SNP_69359B_33816	scaffold1899	NW_004516977.1	33816	TT	CC	CC	INTERGENIC		
SNP_69360B_64	scaffold1903	NW_004516981.1	64	AA	GG	GG	INTERGENIC		
SNP_69361B_128	scaffold1903	NW_004516981.1	128	GG	CC	CC	INTERGENIC		
SNP_69362B_1739	scaffold1903	NW_004516981.1	1739	GG	AA	AA	INTERGENIC		
SNP_69363B_2071	scaffold1903	NW_004516981.1	2071	GG	CC	CC	INTERGENIC		
SNP_69364B_2188	scaffold1903	NW_004516981.1	2188	AA	GG	GG	INTERGENIC		
SNP_69365B_2206	scaffold1903	NW_004516981.1	2206	AA	TT	TT	INTERGENIC		
SNP_69366B_2221	scaffold1903	NW_004516981.1	2221	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_69367B_2222	scaffold1903	NW_004516981.1	2222	GG	AA	AA	INTERGENIC		
SNP_69368B_2252	scaffold1903	NW_004516981.1	2252	TT	AA	AA	INTERGENIC		
SNP_69369B_1107	scaffold1904	NW_004516982.1	1107	TT	CC	CC	INTERGENIC		
SNP_69370B_1134	scaffold1904	NW_004516982.1	1134	CC	TT	TT	INTERGENIC		
SNP_69371B_1149	scaffold1904	NW_004516982.1	1149	AA	TT	TT	INTERGENIC		
SNP_69372B_1173	scaffold1904	NW_004516982.1	1173	AA	GG	GG	INTERGENIC		
SNP_69373B_1215	scaffold1904	NW_004516982.1	1215	AA	TT	TT	INTERGENIC		
SNP_69374B_1273	scaffold1904	NW_004516982.1	1273	TT	AA	AA	INTERGENIC		
SNP_69375B_1335	scaffold1904	NW_004516982.1	1335	AA	GG	GG	INTERGENIC		
SNP_69376B_1487	scaffold1904	NW_004516982.1	1487	CC	GG	GG	INTERGENIC		
SNP_69377B_1527	scaffold1904	NW_004516982.1	1527	GG	AA	AA	INTERGENIC		
SNP_69378B_1575	scaffold1904	NW_004516982.1	1575	TT	CC	CC	INTERGENIC		
SNP_69379B_1581	scaffold1904	NW_004516982.1	1581	TT	GG	GG	INTERGENIC		
SNP_69380B_338	scaffold1905	NW_004516983.1	338	AA	GG	GG	INTERGENIC		
SNP_69382B_1763	scaffold1905	NW_004516983.1	1763	CC	GG	GG	INTERGENIC		
SNP_69383B_1803	scaffold1905	NW_004516983.1	1803	CC	TT	TT	INTERGENIC		
SNP_69384B_1889	scaffold1905	NW_004516983.1	1889	GG	AA	AA	INTERGENIC		
SNP_69385B_1988	scaffold1905	NW_004516983.1	1988	TT	GG	GG	INTERGENIC		
SNP_69387B_2103	scaffold1905	NW_004516983.1	2103	GG	AA	AA	INTERGENIC		
SNP_69388B_2125	scaffold1905	NW_004516983.1	2125	AA	TT	TT	INTERGENIC		
SNP_69389B_2134	scaffold1905	NW_004516983.1	2134	TT	CC	CC	INTERGENIC		
SNP_69390B_2217	scaffold1905	NW_004516983.1	2217	TT	AA	AA	INTERGENIC		
SNP_69391B_16504	scaffold1905	NW_004516983.1	16504	TT	GG	GG	INTERGENIC		
SNP_69392B_16560	scaffold1905	NW_004516983.1	16560	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_69393B_16756	scaffold1905	NW_004516983.1	16756	AA	CC	CC	INTERGENIC		
SNP_69394B_16816	scaffold1905	NW_004516983.1	16816	TT	AA	AA	INTERGENIC		
SNP_69395B_16880	scaffold1905	NW_004516983.1	16880	AA	GG	GG	INTERGENIC		
SNP_69396B_16886	scaffold1905	NW_004516983.1	16886	TT	CC	CC	INTERGENIC		
SNP_69397B_16927	scaffold1905	NW_004516983.1	16927	TT	CC	CC	INTERGENIC		
SNP_69398B_16946	scaffold1905	NW_004516983.1	16946	TT	CC	CC	INTERGENIC		
SNP_69399B_16966	scaffold1905	NW_004516983.1	16966	CC	AA	AA	INTERGENIC		
SNP_69400B_31672	scaffold1905	NW_004516983.1	31672	GG	AA	AA	INTERGENIC		
SNP_69401B_31971	scaffold1905	NW_004516983.1	31971	TT	GG	GG	INTERGENIC		
SNP_69402B_32057	scaffold1905	NW_004516983.1	32057	CC	GG	GG	INTERGENIC		
SNP_69403B_32295	scaffold1905	NW_004516983.1	32295	GG	CC	CC	INTERGENIC		
SNP_69404B_1760	scaffold1907	NW_004516984.1	1760	CC	TT	TT	INTERGENIC		
SNP_69405B_18664	scaffold1907	NW_004516984.1	18664	CC	TT	TT	INTERGENIC		
SNP_69406B_18778	scaffold1907	NW_004516984.1	18778	GG	CC	CC	INTERGENIC		
SNP_69407B_23722	scaffold1907	NW_004516984.1	23722	TT	GG	GG	INTERGENIC		
SNP_69408B_23733	scaffold1907	NW_004516984.1	23733	TT	GG	GG	INTERGENIC		
SNP_69409B_24075	scaffold1907	NW_004516984.1	24075	TT	GG	GG	INTERGENIC		
SNP_69410B_37524	scaffold1907	NW_004516984.1	37524	AA	TT	TT	INTERGENIC		
SNP_69411B_62877	scaffold1907	NW_004516984.1	62877	AA	GG	GG	INTERGENIC		
SNP_69412B_62925	scaffold1907	NW_004516984.1	62925	GG	TT	TT	INTERGENIC		
SNP_69413B_63214	scaffold1907	NW_004516984.1	63214	CC	AA	AA	INTERGENIC		
SNP_69414B_72042	scaffold1907	NW_004516984.1	72042	TT	CC	CC	INTERGENIC		
SNP_69415B_72043	scaffold1907	NW_004516984.1	72043	AA	GG	GG	INTERGENIC		
SNP_69416B_264	scaffold1910	NW_004516987.1	264	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_69417B_303	scaffold1910	NW_004516987.1	303	AA	GG	GG	INTERGENIC		
SNP_69418B_306	scaffold1910	NW_004516987.1	306	CC	TT	TT	INTERGENIC		
SNP_69419B_6619	scaffold1910	NW_004516987.1	6619	CC	TT	TT	INTERGENIC		
SNP_69420B_6620	scaffold1910	NW_004516987.1	6620	CC	TT	TT	INTERGENIC		
SNP_69421B_6621	scaffold1910	NW_004516987.1	6621	AA	TT	TT	INTERGENIC		
SNP_69422B_6622	scaffold1910	NW_004516987.1	6622	TT	GG	GG	INTERGENIC		
SNP_69423B_6680	scaffold1910	NW_004516987.1	6680	GG	CC	CC	INTERGENIC		
SNP_69424B_6681	scaffold1910	NW_004516987.1	6681	AA	TT	TT	INTERGENIC		
SNP_69425B_6686	scaffold1910	NW_004516987.1	6686	CC	TT	TT	INTERGENIC		
SNP_69426B_6688	scaffold1910	NW_004516987.1	6688	TT	AA	AA	INTERGENIC		
SNP_69427B_6712	scaffold1910	NW_004516987.1	6712	GG	AA	AA	INTERGENIC		
SNP_69428B_6781	scaffold1910	NW_004516987.1	6781	GG	TT	TT	INTERGENIC		
SNP_69429B_6935	scaffold1910	NW_004516987.1	6935	GG	CC	CC	INTERGENIC		
SNP_69430B_6998	scaffold1910	NW_004516987.1	6998	AA	TT	TT	INTERGENIC		
SNP_69431B_7009	scaffold1910	NW_004516987.1	7009	TT	GG	GG	INTERGENIC		
SNP_69432B_7010	scaffold1910	NW_004516987.1	7010	GG	CC	CC	INTERGENIC		
SNP_69433B_7081	scaffold1910	NW_004516987.1	7081	AA	GG	GG	INTERGENIC		
SNP_69434B_7105	scaffold1910	NW_004516987.1	7105	TT	CC	CC	INTERGENIC		
SNP_69435B_7142	scaffold1910	NW_004516987.1	7142	CC	GG	GG	INTERGENIC		
SNP_69436B_7597	scaffold1910	NW_004516987.1	7597	CC	TT	TT	INTERGENIC		
SNP_69437B_13477	scaffold1910	NW_004516987.1	13477	GG	AA	AA	INTERGENIC		
SNP_69438B_13549	scaffold1910	NW_004516987.1	13549	AA	TT	TT	INTERGENIC		
SNP_69439B_13695	scaffold1910	NW_004516987.1	13695	GG	AA	AA	INTERGENIC		
SNP_69440B_13957	scaffold1910	NW_004516987.1	13957	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_69441B_17795	scaffold1910	NW_004516987.1	17795	TT	CC	CC	INTERGENIC		
SNP_69442B_18151	scaffold1910	NW_004516987.1	18151	GG	CC	CC	INTERGENIC		
SNP_69443B_18229	scaffold1910	NW_004516987.1	18229	TT	GG	GG	INTERGENIC		
SNP_69444B_30228	scaffold1910	NW_004516987.1	30228	CC	GG	GG	INTERGENIC		
SNP_69445B_36679	scaffold1910	NW_004516987.1	36679	GG	TT	TT	INTERGENIC		
SNP_69446B_36680	scaffold1910	NW_004516987.1	36680	TT	CC	CC	INTERGENIC		
SNP_69447B_36710	scaffold1910	NW_004516987.1	36710	CC	TT	TT	INTERGENIC		
SNP_69448B_36746	scaffold1910	NW_004516987.1	36746	GG	AA	AA	INTERGENIC		
SNP_69449B_36788	scaffold1910	NW_004516987.1	36788	TT	CC	CC	INTERGENIC		
SNP_69450B_36797	scaffold1910	NW_004516987.1	36797	GG	AA	AA	INTERGENIC		
SNP_69452B_37079	scaffold1910	NW_004516987.1	37079	TT	CC	CC	INTERGENIC		
SNP_69453B_37089	scaffold1910	NW_004516987.1	37089	AA	GG	GG	INTERGENIC		
SNP_69454B_37111	scaffold1910	NW_004516987.1	37111	AA	CC	CC	INTERGENIC		
SNP_69455B_37137	scaffold1910	NW_004516987.1	37137	TT	CC	CC	INTERGENIC		
SNP_69456B_46547	scaffold1910	NW_004516987.1	46547	CC	GG	GG	INTERGENIC		
SNP_69457B_46549	scaffold1910	NW_004516987.1	46549	TT	AA	AA	INTERGENIC		
SNP_69458B_2708	scaffold1911	NW_004516988.1	2708	CC	AA	AA	INTERGENIC		
SNP_69459B_2726	scaffold1911	NW_004516988.1	2726	AA	TT	TT	INTERGENIC		
SNP_69460B_2743	scaffold1911	NW_004516988.1	2743	AA	TT	TT	INTERGENIC		
SNP_69461B_2815	scaffold1911	NW_004516988.1	2815	TT	AA	AA	INTERGENIC		
SNP_69462B_2843	scaffold1911	NW_004516988.1	2843	GG	TT	TT	INTERGENIC		
SNP_69463B_2905	scaffold1911	NW_004516988.1	2905	TT	GG	GG	INTERGENIC		
SNP_69464B_2943	scaffold1911	NW_004516988.1	2943	CC	AA	AA	INTERGENIC		
SNP_69465B_3010	scaffold1911	NW_004516988.1	3010	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_69466B_3017	scaffold1911	NW_004516988.1	3017	CC	TT	TT	INTERGENIC		
SNP_69467B_3146	scaffold1911	NW_004516988.1	3146	TT	CC	CC	INTERGENIC		
SNP_69468B_3210	scaffold1911	NW_004516988.1	3210	GG	CC	CC	INTERGENIC		
SNP_69469B_3275	scaffold1911	NW_004516988.1	3275	CC	TT	TT	INTERGENIC		
SNP_69470B_12254	scaffold1911	NW_004516988.1	12254	GG	AA	AA	INTERGENIC		
SNP_69471B_12266	scaffold1911	NW_004516988.1	12266	CC	TT	TT	INTERGENIC		
SNP_69472B_12329	scaffold1911	NW_004516988.1	12329	GG	AA	AA	INTERGENIC		
SNP_69473B_12368	scaffold1911	NW_004516988.1	12368	TT	AA	AA	INTERGENIC		
SNP_69474B_12650	scaffold1911	NW_004516988.1	12650	AA	TT	TT	INTERGENIC		
SNP_69475B_12755	scaffold1911	NW_004516988.1	12755	TT	CC	CC	INTERGENIC		
SNP_69476B_13202	scaffold1911	NW_004516988.1	13202	GG	AA	AA	INTERGENIC		
SNP_69477B_13218	scaffold1911	NW_004516988.1	13218	AA	GG	GG	INTERGENIC		
SNP_69478B_13224	scaffold1911	NW_004516988.1	13224	AA	GG	GG	INTERGENIC		
SNP_69479B_13256	scaffold1911	NW_004516988.1	13256	AA	GG	GG	INTERGENIC		
SNP_69480B_13322	scaffold1911	NW_004516988.1	13322	TT	CC	CC	INTERGENIC		
SNP_69481B_14941	scaffold1911	NW_004516988.1	14941	AA	CC	CC	INTERGENIC		
SNP_69482B_15252	scaffold1911	NW_004516988.1	15252	AA	GG	GG	INTERGENIC		
SNP_69483B_16689	scaffold1911	NW_004516988.1	16689	TT	CC	CC	INTERGENIC		
SNP_69484B_16781	scaffold1911	NW_004516988.1	16781	TT	CC	CC	INTERGENIC		
SNP_69485B_16842	scaffold1911	NW_004516988.1	16842	GG	TT	TT	INTERGENIC		
SNP_69486B_16954	scaffold1911	NW_004516988.1	16954	AA	TT	TT	INTERGENIC		
SNP_69487B_16955	scaffold1911	NW_004516988.1	16955	GG	AA	AA	INTERGENIC		
SNP_69488B_16958	scaffold1911	NW_004516988.1	16958	AA	TT	TT	INTERGENIC		
SNP_69489B_16959	scaffold1911	NW_004516988.1	16959	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_69490B_17143	scaffold1911	NW_004516988.1	17143	AA	CC	CC	INTERGENIC		
SNP_69492B_17218	scaffold1911	NW_004516988.1	17218	AA	TT	TT	INTERGENIC		
SNP_69493B_17224	scaffold1911	NW_004516988.1	17224	AA	GG	GG	INTERGENIC		
SNP_69494B_17305	scaffold1911	NW_004516988.1	17305	GG	AA	AA	INTERGENIC		
SNP_69495B_5908	scaffold1912	NW_004516989.1	5908	CC	GG	GG	INTERGENIC		
SNP_69496B_8024	scaffold1912	NW_004516989.1	8024	AA	GG	GG	INTERGENIC		
SNP_69497B_8200	scaffold1912	NW_004516989.1	8200	AA	CC	CC	INTERGENIC		
SNP_69498B_16266	scaffold1912	NW_004516989.1	16266	GG	AA	AA	INTERGENIC		
SNP_69499B_16482	scaffold1912	NW_004516989.1	16482	TT	AA	AA	INTERGENIC		
SNP_69500B_59752	scaffold1918	NW_004516994.1	59752	CC	TT	TT	INTERGENIC		
SNP_69501B_59885	scaffold1918	NW_004516994.1	59885	GG	AA	AA	INTERGENIC		
SNP_69502B_93818	scaffold1918	NW_004516994.1	93818	TT	GG	GG	INTERGENIC		
SNP_69503B_94157	scaffold1918	NW_004516994.1	94157	AA	GG	GG	INTERGENIC		
SNP_69504B_94203	scaffold1918	NW_004516994.1	94203	AA	GG	GG	INTERGENIC		
SNP_69505B_116102	scaffold1918	NW_004516994.1	116102	AA	GG	GG	URR	101507590	Unknown function
SNP_69506B_123277	scaffold1918	NW_004516994.1	123277	GG	AA	AA	URR	101502553	pentatricopeptide repeat-containing protein At1g12775, mitochondrial-like
SNP_69507B_126159	scaffold1918	NW_004516994.1	126159	TT	CC	CC	INTERGENIC		
SNP_69508B_172317	scaffold1918	NW_004516994.1	172317	CC	TT	TT	INTERGENIC		
SNP_69509B_173058	scaffold1918	NW_004516994.1	173058	CC	GG	GG	INTERGENIC		
SNP_69510B_185947	scaffold1918	NW_004516994.1	185947	TT	AA	AA	URR	101504364	RNA-binding protein pno1-like
SNP_69511B_205722	scaffold1918	NW_004516994.1	205722	CC	TT	TT	URR	101504908	putative pentatricopeptide repeat-containing protein At1g12700, mitochondrial
SNP_69513B_213693	scaffold1918	NW_004516994.1	213693	TT	CC	CC	INTERGENIC		
SNP_69514B_235975	scaffold1918	NW_004516994.1	235975	TT	CC	CC	SYNONYMOUS_CODING	id215733	Unknown function
SNP_69515B_235978	scaffold1918	NW_004516994.1	235978	GG	AA	AA	SYNONYMOUS_CODING	id215733	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_69516B_236028	scaffold1918	NW_004516994.1	236028	TT	CC	CC	NON_SYNONYMOUS_CODING	id215733	Unknown function
SNP_69517B_236376	scaffold1918	NW_004516994.1	236376	GG	AA	AA	NON_SYNONYMOUS_CODING	id215733	Unknown function
SNP_69518B_236429	scaffold1918	NW_004516994.1	236429	GG	AA	AA	NON_SYNONYMOUS_CODING	id215733	Unknown function
SNP_69519B_239534	scaffold1918	NW_004516994.1	239534	TT	CC	CC	INTRON	id215733	Unknown function
SNP_69520B_239537	scaffold1918	NW_004516994.1	239537	TT	AA	AA	INTRON	id215733	Unknown function
SNP_69521B_2463	scaffold1919	NW_004516995.1	2463	AA	CC	CC	INTERGENIC		
SNP_69522B_4470	scaffold1919	NW_004516995.1	4470	CC	TT	TT	INTERGENIC		
SNP_69523B_4918	scaffold1919	NW_004516995.1	4918	AA	GG	GG	INTERGENIC		
SNP_69524B_8573	scaffold1920	NW_004516996.1	8573	CC	AA	AA	INTERGENIC		
SNP_69525B_8574	scaffold1920	NW_004516996.1	8574	CC	AA	AA	INTERGENIC		
SNP_69527B_8751	scaffold1920	NW_004516996.1	8751	AA	TT	TT	INTERGENIC		
SNP_69528B_8859	scaffold1920	NW_004516996.1	8859	AA	TT	TT	INTERGENIC		
SNP_69529B_10063	scaffold1920	NW_004516996.1	10063	CC	AA	AA	INTERGENIC		
SNP_69530B_10102	scaffold1920	NW_004516996.1	10102	TT	CC	CC	INTERGENIC		
SNP_69531B_10232	scaffold1920	NW_004516996.1	10232	TT	AA	AA	INTERGENIC		
SNP_69532B_10407	scaffold1920	NW_004516996.1	10407	CC	TT	TT	INTERGENIC		
SNP_69533B_10477	scaffold1920	NW_004516996.1	10477	CC	TT	TT	INTERGENIC		
SNP_69534B_10478	scaffold1920	NW_004516996.1	10478	TT	CC	CC	INTERGENIC		
SNP_69535B_14638	scaffold1920	NW_004516996.1	14638	GG	AA	AA	INTERGENIC		
SNP_69536B_16196	scaffold1920	NW_004516996.1	16196	TT	GG	GG	INTERGENIC		
SNP_69537B_25458	scaffold1920	NW_004516996.1	25458	CC	TT	TT	INTERGENIC		
SNP_69538B_1815	scaffold1923	NW_004516998.1	1815	CC	TT	TT	INTERGENIC		
SNP_69539B_3772	scaffold1923	NW_004516998.1	3772	GG	AA	AA	INTERGENIC		
SNP_69540B_10394	scaffold1923	NW_004516998.1	10394	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_69541B_10669	scaffold1923	NW_004516998.1	10669	GG	AA	AA	INTERGENIC		
SNP_69543B_2421	scaffold1928	NW_004517001.1	2421	GG	CC	CC	INTERGENIC		
SNP_69544B_3661	scaffold1928	NW_004517001.1	3661	CC	GG	GG	INTERGENIC		
SNP_69546B_3916	scaffold1928	NW_004517001.1	3916	CC	TT	TT	INTERGENIC		
SNP_69547B_3932	scaffold1928	NW_004517001.1	3932	CC	TT	TT	INTERGENIC		
SNP_69548B_3995	scaffold1928	NW_004517001.1	3995	AA	CC	CC	INTERGENIC		
SNP_69549B_15924	scaffold1928	NW_004517001.1	15924	GG	TT	TT	INTERGENIC		
SNP_69551B_15975	scaffold1928	NW_004517001.1	15975	AA	GG	GG	INTERGENIC		
SNP_69552B_16313	scaffold1928	NW_004517001.1	16313	GG	AA	AA	INTERGENIC		
SNP_69553B_68102	scaffold1928	NW_004517001.1	68102	AA	GG	GG	INTERGENIC		
SNP_69554B_68445	scaffold1928	NW_004517001.1	68445	TT	CC	CC	INTERGENIC		
SNP_69555B_78296	scaffold1928	NW_004517001.1	78296	GG	AA	AA	INTERGENIC		
SNP_69556B_78429	scaffold1928	NW_004517001.1	78429	TT	AA	AA	INTERGENIC		
SNP_69557B_78673	scaffold1928	NW_004517001.1	78673	TT	CC	CC	INTERGENIC		
SNP_69558B_1644	scaffold1930	NW_004517003.1	1644	AA	CC	CC	INTERGENIC		
SNP_69559B_1664	scaffold1930	NW_004517003.1	1664	CC	GG	GG	INTERGENIC		
SNP_69560B_1693	scaffold1930	NW_004517003.1	1693	CC	TT	TT	INTERGENIC		
SNP_69561B_1705	scaffold1930	NW_004517003.1	1705	GG	AA	AA	INTERGENIC		
SNP_69562B_1713	scaffold1930	NW_004517003.1	1713	CC	TT	TT	INTERGENIC		
SNP_69563B_23982	scaffold1930	NW_004517003.1	23982	AA	GG	GG	INTERGENIC		
SNP_69564B_31695	scaffold1930	NW_004517003.1	31695	AA	GG	GG	INTERGENIC		
SNP_69565B_32450	scaffold1930	NW_004517003.1	32450	AA	TT	TT	INTERGENIC		
SNP_69566B_32696	scaffold1930	NW_004517003.1	32696	GG	TT	TT	INTERGENIC		
SNP_69568B_37276	scaffold1930	NW_004517003.1	37276	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_69569B_37319	scaffold1930	NW_004517003.1	37319	CC	AA	AA	INTERGENIC		
SNP_69570B_37332	scaffold1930	NW_004517003.1	37332	GG	TT	TT	INTERGENIC		
SNP_69571B_37374	scaffold1930	NW_004517003.1	37374	CC	TT	TT	INTERGENIC		
SNP_69572B_37421	scaffold1930	NW_004517003.1	37421	TT	CC	CC	INTERGENIC		
SNP_69573B_37508	scaffold1930	NW_004517003.1	37508	TT	AA	AA	INTERGENIC		
SNP_69574B_37509	scaffold1930	NW_004517003.1	37509	AA	GG	GG	INTERGENIC		
SNP_69575B_37596	scaffold1930	NW_004517003.1	37596	TT	CC	CC	INTERGENIC		
SNP_69576B_37623	scaffold1930	NW_004517003.1	37623	TT	AA	AA	INTERGENIC		
SNP_69577B_37738	scaffold1930	NW_004517003.1	37738	AA	TT	TT	INTERGENIC		
SNP_69578B_37811	scaffold1930	NW_004517003.1	37811	TT	GG	GG	INTERGENIC		
SNP_69579B_37822	scaffold1930	NW_004517003.1	37822	TT	CC	CC	INTERGENIC		
SNP_69580B_37824	scaffold1930	NW_004517003.1	37824	AA	GG	GG	INTERGENIC		
SNP_69581B_37898	scaffold1930	NW_004517003.1	37898	GG	AA	AA	INTERGENIC		
SNP_69582B_38481	scaffold1930	NW_004517003.1	38481	GG	TT	TT	INTERGENIC		
SNP_69583B_38552	scaffold1930	NW_004517003.1	38552	GG	CC	CC	INTERGENIC		
SNP_69584B_39297	scaffold1930	NW_004517003.1	39297	GG	AA	AA	INTERGENIC		
SNP_69585B_40169	scaffold1930	NW_004517003.1	40169	CC	TT	TT	INTERGENIC		
SNP_69586B_40246	scaffold1930	NW_004517003.1	40246	CC	TT	TT	INTERGENIC		
SNP_69587B_40381	scaffold1930	NW_004517003.1	40381	TT	GG	GG	INTERGENIC		
SNP_69588B_40407	scaffold1930	NW_004517003.1	40407	GG	TT	TT	INTERGENIC		
SNP_69589B_40485	scaffold1930	NW_004517003.1	40485	CC	GG	GG	INTERGENIC		
SNP_69590B_40493	scaffold1930	NW_004517003.1	40493	GG	TT	TT	INTERGENIC		
SNP_69591B_41515	scaffold1930	NW_004517003.1	41515	TT	AA	AA	INTERGENIC		
SNP_69592B_41531	scaffold1930	NW_004517003.1	41531	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_69593B_41833	scaffold1930	NW_004517003.1	41833	GG	CC	CC	INTERGENIC		
SNP_69594B_41846	scaffold1930	NW_004517003.1	41846	TT	CC	CC	INTERGENIC		
SNP_69595B_42087	scaffold1930	NW_004517003.1	42087	TT	GG	GG	INTERGENIC		
SNP_69596B_42360	scaffold1930	NW_004517003.1	42360	AA	TT	TT	INTERGENIC		
SNP_69597B_45012	scaffold1930	NW_004517003.1	45012	AA	GG	GG	INTERGENIC		
SNP_69598B_45365	scaffold1930	NW_004517003.1	45365	AA	CC	CC	INTERGENIC		
SNP_69599B_77587	scaffold1932	NW_004517005.1	77587	TT	CC	CC	INTERGENIC		
SNP_69600B_77595	scaffold1932	NW_004517005.1	77595	AA	CC	CC	INTERGENIC		
SNP_69601B_77656	scaffold1932	NW_004517005.1	77656	TT	AA	AA	INTERGENIC		
SNP_69602B_77658	scaffold1932	NW_004517005.1	77658	TT	CC	CC	INTERGENIC		
SNP_69603B_77659	scaffold1932	NW_004517005.1	77659	TT	GG	GG	INTERGENIC		
SNP_69604B_77711	scaffold1932	NW_004517005.1	77711	GG	AA	AA	INTERGENIC		
SNP_69605B_82769	scaffold1932	NW_004517005.1	82769	AA	GG	GG	INTERGENIC		
SNP_69606B_82774	scaffold1932	NW_004517005.1	82774	CC	TT	TT	INTERGENIC		
SNP_69607B_83183	scaffold1932	NW_004517005.1	83183	AA	GG	GG	INTERGENIC		
SNP_69608B_83209	scaffold1932	NW_004517005.1	83209	CC	AA	AA	INTERGENIC		
SNP_69609B_83220	scaffold1932	NW_004517005.1	83220	CC	AA	AA	INTERGENIC		
SNP_69610B_347	scaffold1933	NW_004517006.1	347	GG	AA	AA	INTERGENIC		
SNP_69611B_7206	scaffold1937	NW_004517010.1	7206	CC	AA	AA	INTERGENIC		
SNP_69612B_546	scaffold1940	NW_004517013.1	546	AA	GG	GG	INTERGENIC		
SNP_69613B_121	scaffold1943	NW_004517016.1	121	CC	TT	TT	INTERGENIC		
SNP_69614B_218	scaffold1943	NW_004517016.1	218	GG	CC	CC	INTERGENIC		
SNP_69615B_278	scaffold1943	NW_004517016.1	278	AA	GG	GG	INTERGENIC		
SNP_69616B_2329	scaffold1943	NW_004517016.1	2329	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_69617B_2350	scaffold1943	NW_004517016.1	2350	AA	CC	CC	INTERGENIC		
SNP_69618B_2417	scaffold1943	NW_004517016.1	2417	TT	GG	GG	INTERGENIC		
SNP_69619B_2421	scaffold1943	NW_004517016.1	2421	TT	CC	CC	INTERGENIC		
SNP_69620B_2450	scaffold1943	NW_004517016.1	2450	TT	CC	CC	INTERGENIC		
SNP_69621B_2451	scaffold1943	NW_004517016.1	2451	CC	TT	TT	INTERGENIC		
SNP_69622B_2457	scaffold1943	NW_004517016.1	2457	TT	AA	AA	INTERGENIC		
SNP_69623B_2497	scaffold1943	NW_004517016.1	2497	CC	TT	TT	INTERGENIC		
SNP_69625B_2555	scaffold1943	NW_004517016.1	2555	TT	GG	GG	INTERGENIC		
SNP_69626B_2556	scaffold1943	NW_004517016.1	2556	TT	CC	CC	INTERGENIC		
SNP_69627B_2942	scaffold1943	NW_004517016.1	2942	CC	TT	TT	INTERGENIC		
SNP_69629B_3008	scaffold1943	NW_004517016.1	3008	CC	AA	AA	INTERGENIC		
SNP_69630B_94603	scaffold1943	NW_004517016.1	94603	TT	CC	CC	URR	101514897	uncharacterized LOC101514897
SNP_69631B_110617	scaffold1943	NW_004517016.1	110617	AA	TT	TT	INTERGENIC		
SNP_69632B_121178	scaffold1943	NW_004517016.1	121178	GG	AA	AA	INTERGENIC		
SNP_69633B_121193	scaffold1943	NW_004517016.1	121193	CC	TT	TT	INTERGENIC		
SNP_69634B_121195	scaffold1943	NW_004517016.1	121195	GG	TT	TT	INTERGENIC		
SNP_69635B_121198	scaffold1943	NW_004517016.1	121198	TT	GG	GG	INTERGENIC		
SNP_69636B_121228	scaffold1943	NW_004517016.1	121228	CC	AA	AA	INTERGENIC		
SNP_69637B_121231	scaffold1943	NW_004517016.1	121231	TT	CC	CC	INTERGENIC		
SNP_69638B_121482	scaffold1943	NW_004517016.1	121482	TT	CC	CC	INTERGENIC		
SNP_69639B_121587	scaffold1943	NW_004517016.1	121587	AA	GG	GG	INTERGENIC		
SNP_69640B_121633	scaffold1943	NW_004517016.1	121633	TT	CC	CC	INTERGENIC		
SNP_69641B_123259	scaffold1943	NW_004517016.1	123259	TT	GG	GG	INTERGENIC		
SNP_69642B_123439	scaffold1943	NW_004517016.1	123439	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_69643B_123495	scaffold1943	NW_004517016.1	123495	AA	GG	GG	INTERGENIC		
SNP_69644B_123496	scaffold1943	NW_004517016.1	123496	GG	AA	AA	INTERGENIC		
SNP_69645B_123524	scaffold1943	NW_004517016.1	123524	TT	CC	CC	INTERGENIC		
SNP_69646B_123532	scaffold1943	NW_004517016.1	123532	TT	AA	AA	INTERGENIC		
SNP_69647B_123535	scaffold1943	NW_004517016.1	123535	AA	GG	GG	INTERGENIC		
SNP_69648B_123538	scaffold1943	NW_004517016.1	123538	GG	AA	AA	INTERGENIC		
SNP_69649B_123778	scaffold1943	NW_004517016.1	123778	CC	TT	TT	INTERGENIC		
SNP_69650B_127048	scaffold1943	NW_004517016.1	127048	GG	AA	AA	INTERGENIC		
SNP_69651B_127056	scaffold1943	NW_004517016.1	127056	CC	TT	TT	INTERGENIC		
SNP_69652B_127385	scaffold1943	NW_004517016.1	127385	CC	TT	TT	INTERGENIC		
SNP_69653B_127508	scaffold1943	NW_004517016.1	127508	CC	TT	TT	INTERGENIC		
SNP_69654B_127523	scaffold1943	NW_004517016.1	127523	TT	CC	CC	INTERGENIC		
SNP_69655B_127541	scaffold1943	NW_004517016.1	127541	CC	AA	AA	INTERGENIC		
SNP_69656B_128136	scaffold1943	NW_004517016.1	128136	TT	CC	CC	INTERGENIC		
SNP_69657B_132236	scaffold1943	NW_004517016.1	132236	GG	AA	AA	INTERGENIC		
SNP_69658B_151027	scaffold1943	NW_004517016.1	151027	AA	TT	TT	INTERGENIC		
SNP_69659B_163701	scaffold1943	NW_004517016.1	163701	AA	GG	GG	INTERGENIC		
SNP_69660B_163876	scaffold1943	NW_004517016.1	163876	TT	AA	AA	INTERGENIC		
SNP_69661B_171758	scaffold1943	NW_004517016.1	171758	GG	TT	TT	STOP_GAINED	101488624	uncharacterized LOC101488624
SNP_69662B_171930	scaffold1943	NW_004517016.1	171930	GG	AA	AA	NON_SYNONYMOUS_CODING	101488624	uncharacterized LOC101488624
SNP_69663B_171934	scaffold1943	NW_004517016.1	171934	AA	GG	GG	SYNONYMOUS_CODING	101488624	uncharacterized LOC101488624
SNP_69664B_171946	scaffold1943	NW_004517016.1	171946	AA	GG	GG	SYNONYMOUS_STOP	101488624	uncharacterized LOC101488624
SNP_69665B_179455	scaffold1943	NW_004517016.1	179455	CC	TT	TT	URR	101488624	uncharacterized LOC101488624
SNP_69666B_179569	scaffold1943	NW_004517016.1	179569	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_69667B_179580	scaffold1943	NW_004517016.1	179580	CC	AA	AA	INTERGENIC		
SNP_69668B_223181	scaffold1943	NW_004517016.1	223181	TT	AA	AA	INTERGENIC		
SNP_69669B_234895	scaffold1943	NW_004517016.1	234895	GG	AA	AA	INTERGENIC		
SNP_69671B_254153	scaffold1943	NW_004517016.1	254153	GG	AA	AA	INTERGENIC		
SNP_69672B_281222	scaffold1943	NW_004517016.1	281222	CC	TT	TT	INTERGENIC		
SNP_69673B_281550	scaffold1943	NW_004517016.1	281550	AA	GG	GG	INTERGENIC		
SNP_69674B_281594	scaffold1943	NW_004517016.1	281594	AA	GG	GG	INTERGENIC		
SNP_69675B_281629	scaffold1943	NW_004517016.1	281629	GG	TT	TT	INTERGENIC		
SNP_69676B_281684	scaffold1943	NW_004517016.1	281684	GG	AA	AA	INTERGENIC		
SNP_69677B_281687	scaffold1943	NW_004517016.1	281687	TT	GG	GG	INTERGENIC		
SNP_69678B_281925	scaffold1943	NW_004517016.1	281925	GG	AA	AA	INTERGENIC		
SNP_69680B_282676	scaffold1943	NW_004517016.1	282676	AA	GG	GG	INTERGENIC		
SNP_69681B_359575	scaffold1943	NW_004517016.1	359575	CC	AA	AA	INTERGENIC		
SNP_69682B_376590	scaffold1943	NW_004517016.1	376590	AA	TT	TT	INTERGENIC		
SNP_69683B_377184	scaffold1943	NW_004517016.1	377184	TT	CC	CC	INTERGENIC		
SNP_69684B_390657	scaffold1943	NW_004517016.1	390657	GG	AA	AA	URR	101514574	probable calcium-binding protein CML49
SNP_69685B_392407	scaffold1943	NW_004517016.1	392407	GG	AA	AA	INTERGENIC		
SNP_69686B_392555	scaffold1943	NW_004517016.1	392555	AA	GG	GG	INTERGENIC		
SNP_69687B_392578	scaffold1943	NW_004517016.1	392578	TT	CC	CC	INTERGENIC		
SNP_69688B_392606	scaffold1943	NW_004517016.1	392606	AA	GG	GG	INTERGENIC		
SNP_69689B_392609	scaffold1943	NW_004517016.1	392609	TT	AA	AA	INTERGENIC		
SNP_69690B_393161	scaffold1943	NW_004517016.1	393161	TT	GG	GG	INTERGENIC		
SNP_69691B_393163	scaffold1943	NW_004517016.1	393163	TT	AA	AA	INTERGENIC		
SNP_69692B_393343	scaffold1943	NW_004517016.1	393343	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_69693B_393359	scaffold1943	NW_004517016.1	393359	CC	TT	TT	INTERGENIC		
SNP_69695B_394099	scaffold1943	NW_004517016.1	394099	AA	CC	CC	INTERGENIC		
SNP_69696B_394196	scaffold1943	NW_004517016.1	394196	TT	CC	CC	INTERGENIC		
SNP_69697B_394299	scaffold1943	NW_004517016.1	394299	CC	TT	TT	INTERGENIC		
SNP_69698B_394392	scaffold1943	NW_004517016.1	394392	CC	TT	TT	INTERGENIC		
SNP_69699B_394450	scaffold1943	NW_004517016.1	394450	TT	AA	AA	INTERGENIC		
SNP_69700B_394748	scaffold1943	NW_004517016.1	394748	CC	AA	AA	INTERGENIC		
SNP_69701B_394887	scaffold1943	NW_004517016.1	394887	AA	TT	TT	INTERGENIC		
SNP_69702B_395066	scaffold1943	NW_004517016.1	395066	AA	GG	GG	INTERGENIC		
SNP_69703B_395254	scaffold1943	NW_004517016.1	395254	TT	CC	CC	INTERGENIC		
SNP_69704B_395385	scaffold1943	NW_004517016.1	395385	AA	TT	TT	INTERGENIC		
SNP_69705B_395401	scaffold1943	NW_004517016.1	395401	AA	GG	GG	INTERGENIC		
SNP_69706B_395493	scaffold1943	NW_004517016.1	395493	TT	CC	CC	INTERGENIC		
SNP_69707B_395531	scaffold1943	NW_004517016.1	395531	AA	TT	TT	INTERGENIC		
SNP_69708B_395540	scaffold1943	NW_004517016.1	395540	GG	AA	AA	INTERGENIC		
SNP_69709B_395627	scaffold1943	NW_004517016.1	395627	GG	AA	AA	INTERGENIC		
SNP_69710B_395654	scaffold1943	NW_004517016.1	395654	CC	TT	TT	INTERGENIC		
SNP_69711B_396042	scaffold1943	NW_004517016.1	396042	AA	CC	CC	INTERGENIC		
SNP_69712B_396043	scaffold1943	NW_004517016.1	396043	CC	AA	AA	INTERGENIC		
SNP_69716B_11645	scaffold1945	NW_004517018.1	11645	CC	TT	TT	INTERGENIC		
SNP_69717B_11719	scaffold1945	NW_004517018.1	11719	CC	TT	TT	INTERGENIC		
SNP_69718B_11725	scaffold1945	NW_004517018.1	11725	AA	GG	GG	INTERGENIC		
SNP_69719B_11900	scaffold1945	NW_004517018.1	11900	GG	AA	AA	INTERGENIC		
SNP_69720B_11915	scaffold1945	NW_004517018.1	11915	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_69722B_128801	scaffold1945	NW_004517018.1	128801	CC	TT	TT	INTERGENIC		
SNP_69723B_138213	scaffold1945	NW_004517018.1	138213	GG	AA	AA	INTERGENIC		
SNP_69724B_159286	scaffold1945	NW_004517018.1	159286	TT	CC	CC	INTERGENIC		
SNP_69725B_164109	scaffold1945	NW_004517018.1	164109	AA	CC	CC	INTERGENIC		
SNP_69726B_166917	scaffold1945	NW_004517018.1	166917	AA	TT	TT	INTERGENIC		
SNP_69728B_1314	scaffold1946	NW_004517019.1	1314	TT	AA	AA	INTERGENIC		
SNP_69729B_1400	scaffold1946	NW_004517019.1	1400	TT	CC	CC	INTERGENIC		
SNP_69730B_1649	scaffold1946	NW_004517019.1	1649	TT	CC	CC	INTERGENIC		
SNP_69731B_5513	scaffold1946	NW_004517019.1	5513	CC	TT	TT	INTERGENIC		
SNP_69732B_6511	scaffold1946	NW_004517019.1	6511	AA	TT	TT	INTERGENIC		
SNP_69733B_6550	scaffold1946	NW_004517019.1	6550	GG	TT	TT	INTERGENIC		
SNP_69734B_9783	scaffold1946	NW_004517019.1	9783	AA	TT	TT	INTERGENIC		
SNP_69735B_15479	scaffold1946	NW_004517019.1	15479	AA	CC	CC	INTERGENIC		
SNP_69736B_20239	scaffold1946	NW_004517019.1	20239	TT	CC	CC	INTERGENIC		
SNP_69737B_43802	scaffold1946	NW_004517019.1	43802	AA	GG	GG	INTRON	101490588	subtilisin-like protease SBT4.14
SNP_69738B_1465	scaffold1949	NW_004517021.1	1465	TT	AA	AA	INTERGENIC		
SNP_69739B_1466	scaffold1949	NW_004517021.1	1466	AA	TT	TT	INTERGENIC		
SNP_69740B_2027	scaffold1949	NW_004517021.1	2027	TT	AA	AA	INTERGENIC		
SNP_69741B_5999	scaffold1949	NW_004517021.1	5999	TT	CC	CC	INTERGENIC		
SNP_69742B_6002	scaffold1949	NW_004517021.1	6002	AA	GG	GG	INTERGENIC		
SNP_69743B_22388	scaffold1950	NW_004517022.1	22388	TT	AA	AA	INTERGENIC		
SNP_69744B_22393	scaffold1950	NW_004517022.1	22393	AA	TT	TT	INTERGENIC		
SNP_69745B_22437	scaffold1950	NW_004517022.1	22437	AA	CC	TT	INTERGENIC		
SNP_69746B_22438	scaffold1950	NW_004517022.1	22438	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_69747B_784	scaffold1954	NW_004517026.1	784	CC	GG	GG	INTERGENIC		
SNP_69748B_799	scaffold1954	NW_004517026.1	799	CC	TT	TT	INTERGENIC		
SNP_69749B_863	scaffold1954	NW_004517026.1	863	CC	TT	TT	INTERGENIC		
SNP_69750B_908	scaffold1954	NW_004517026.1	908	GG	AA	AA	INTERGENIC		
SNP_69751B_931	scaffold1954	NW_004517026.1	931	AA	CC	CC	INTERGENIC		
SNP_69752B_1062	scaffold1954	NW_004517026.1	1062	TT	CC	CC	INTERGENIC		
SNP_69753B_1155	scaffold1954	NW_004517026.1	1155	TT	CC	CC	INTERGENIC		
SNP_69754B_1164	scaffold1954	NW_004517026.1	1164	AA	TT	TT	INTERGENIC		
SNP_69755B_1293	scaffold1954	NW_004517026.1	1293	AA	TT	TT	INTERGENIC		
SNP_69756B_1351	scaffold1954	NW_004517026.1	1351	TT	GG	GG	INTERGENIC		
SNP_69757B_1442	scaffold1954	NW_004517026.1	1442	TT	AA	AA	INTERGENIC		
SNP_69758B_1448	scaffold1954	NW_004517026.1	1448	TT	AA	AA	INTERGENIC		
SNP_69759B_1461	scaffold1954	NW_004517026.1	1461	TT	CC	CC	INTERGENIC		
SNP_69760B_1503	scaffold1954	NW_004517026.1	1503	AA	TT	TT	INTERGENIC		
SNP_69761B_1524	scaffold1954	NW_004517026.1	1524	AA	GG	GG	INTERGENIC		
SNP_69762B_1525	scaffold1954	NW_004517026.1	1525	CC	TT	TT	INTERGENIC		
SNP_69763B_2307	scaffold1954	NW_004517026.1	2307	AA	GG	GG	INTERGENIC		
SNP_69764B_2332	scaffold1954	NW_004517026.1	2332	GG	AA	AA	INTERGENIC		
SNP_69766B_2544	scaffold1954	NW_004517026.1	2544	AA	GG	GG	INTERGENIC		
SNP_69767B_2569	scaffold1954	NW_004517026.1	2569	TT	AA	AA	INTERGENIC		
SNP_69768B_2581	scaffold1954	NW_004517026.1	2581	AA	CC	CC	INTERGENIC		
SNP_69769B_4837	scaffold1954	NW_004517026.1	4837	TT	AA	AA	INTERGENIC		
SNP_69770B_4852	scaffold1954	NW_004517026.1	4852	TT	CC	CC	INTERGENIC		
SNP_69771B_4860	scaffold1954	NW_004517026.1	4860	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_69772B_4879	scaffold1954	NW_004517026.1	4879	AA	GG	GG	INTERGENIC		
SNP_69773B_4933	scaffold1954	NW_004517026.1	4933	CC	TT	TT	INTERGENIC		
SNP_69774B_5093	scaffold1954	NW_004517026.1	5093	GG	AA	AA	INTERGENIC		
SNP_69775B_9910	scaffold1956	NW_004517028.1	9910	GG	AA	AA	INTERGENIC		
SNP_69776B_9935	scaffold1956	NW_004517028.1	9935	AA	GG	GG	INTERGENIC		
SNP_69777B_9976	scaffold1956	NW_004517028.1	9976	TT	GG	GG	INTERGENIC		
SNP_69778B_10021	scaffold1956	NW_004517028.1	10021	GG	TT	TT	INTERGENIC		
SNP_69779B_10129	scaffold1956	NW_004517028.1	10129	AA	GG	GG	INTERGENIC		
SNP_69780B_14129	scaffold1956	NW_004517028.1	14129	TT	GG	GG	INTERGENIC		
SNP_69781B_14186	scaffold1956	NW_004517028.1	14186	TT	AA	AA	INTERGENIC		
SNP_69782B_14271	scaffold1956	NW_004517028.1	14271	TT	GG	GG	INTERGENIC		
SNP_69783B_14276	scaffold1956	NW_004517028.1	14276	AA	GG	GG	INTERGENIC		
SNP_69784B_14296	scaffold1956	NW_004517028.1	14296	GG	AA	AA	INTERGENIC		
SNP_69785B_16866	scaffold1956	NW_004517028.1	16866	GG	CC	CC	INTERGENIC		
SNP_69786B_17018	scaffold1956	NW_004517028.1	17018	TT	CC	CC	INTERGENIC		
SNP_69787B_17064	scaffold1956	NW_004517028.1	17064	CC	TT	TT	INTERGENIC		
SNP_69788B_17112	scaffold1956	NW_004517028.1	17112	AA	TT	TT	INTERGENIC		
SNP_69789B_17605	scaffold1956	NW_004517028.1	17605	TT	GG	GG	INTERGENIC		
SNP_69790B_22730	scaffold1956	NW_004517028.1	22730	GG	AA	AA	INTERGENIC		
SNP_69791B_27556	scaffold1956	NW_004517028.1	27556	TT	GG	GG	INTERGENIC		
SNP_69792B_27557	scaffold1956	NW_004517028.1	27557	GG	TT	TT	INTERGENIC		
SNP_69793B_27791	scaffold1956	NW_004517028.1	27791	AA	GG	GG	INTERGENIC		
SNP_69794B_27974	scaffold1956	NW_004517028.1	27974	GG	AA	AA	INTERGENIC		
SNP_69795B_28043	scaffold1956	NW_004517028.1	28043	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_69796B_30833	scaffold1956	NW_004517028.1	30833	AA	CC	CC	INTERGENIC		
SNP_69797B_30858	scaffold1956	NW_004517028.1	30858	TT	GG	GG	INTERGENIC		
SNP_69799B_40746	scaffold1956	NW_004517028.1	40746	GG	AA	AA	INTERGENIC		
SNP_69800B_46654	scaffold1956	NW_004517028.1	46654	TT	CC	CC	INTERGENIC		
SNP_69801B_52702	scaffold1956	NW_004517028.1	52702	AA	TT	TT	INTERGENIC		
SNP_69802B_54171	scaffold1956	NW_004517028.1	54171	AA	TT	TT	INTERGENIC		
SNP_69803B_63443	scaffold1956	NW_004517028.1	63443	TT	CC	CC	INTERGENIC		
SNP_69805B_72186	scaffold1956	NW_004517028.1	72186	AA	TT	TT	INTERGENIC		
SNP_69806B_72526	scaffold1956	NW_004517028.1	72526	GG	TT	TT	INTERGENIC		
SNP_69807B_72593	scaffold1956	NW_004517028.1	72593	AA	CC	CC	INTERGENIC		
SNP_69808B_85717	scaffold1956	NW_004517028.1	85717	CC	TT	TT	INTERGENIC		
SNP_69809B_85880	scaffold1956	NW_004517028.1	85880	AA	TT	TT	INTERGENIC		
SNP_69810B_86053	scaffold1956	NW_004517028.1	86053	AA	CC	CC	INTERGENIC		
SNP_69811B_86241	scaffold1956	NW_004517028.1	86241	AA	GG	GG	INTERGENIC		
SNP_69812B_88025	scaffold1956	NW_004517028.1	88025	GG	AA	AA	INTERGENIC		
SNP_69813B_88040	scaffold1956	NW_004517028.1	88040	AA	CC	CC	INTERGENIC		
SNP_69814B_88263	scaffold1956	NW_004517028.1	88263	GG	TT	TT	INTERGENIC		
SNP_69815B_88432	scaffold1956	NW_004517028.1	88432	AA	GG	GG	INTERGENIC		
SNP_69816B_88531	scaffold1956	NW_004517028.1	88531	CC	AA	AA	INTERGENIC		
SNP_69817B_93193	scaffold1956	NW_004517028.1	93193	AA	GG	GG	INTERGENIC		
SNP_69818B_93295	scaffold1956	NW_004517028.1	93295	AA	GG	GG	INTERGENIC		
SNP_69819B_93403	scaffold1956	NW_004517028.1	93403	TT	CC	CC	INTERGENIC		
SNP_69820B_93497	scaffold1956	NW_004517028.1	93497	GG	AA	AA	INTERGENIC		
SNP_69821B_93498	scaffold1956	NW_004517028.1	93498	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_69822B_93539	scaffold1956	NW_004517028.1	93539	AA	GG	GG	INTERGENIC		
SNP_69823B_93685	scaffold1956	NW_004517028.1	93685	GG	TT	TT	INTERGENIC		
SNP_69824B_96638	scaffold1956	NW_004517028.1	96638	TT	AA	AA	INTERGENIC		
SNP_69825B_96881	scaffold1956	NW_004517028.1	96881	AA	GG	GG	INTERGENIC		
SNP_69826B_96918	scaffold1956	NW_004517028.1	96918	GG	AA	AA	INTERGENIC		
SNP_69827B_97227	scaffold1956	NW_004517028.1	97227	TT	GG	GG	INTERGENIC		
SNP_69828B_120035	scaffold1956	NW_004517028.1	120035	CC	GG	GG	INTERGENIC		
SNP_69829B_120038	scaffold1956	NW_004517028.1	120038	CC	TT	TT	INTERGENIC		
SNP_69830B_32620	scaffold1959	NW_004517029.1	32620	GG	CC	CC	INTERGENIC		
SNP_69831B_32628	scaffold1959	NW_004517029.1	32628	GG	TT	TT	INTERGENIC		
SNP_69832B_45265	scaffold1959	NW_004517029.1	45265	AA	TT	TT	NON_SYNONYMOUS_CODING	101491975	two-component response regulator ARR10-like
SNP_69833B_45333	scaffold1959	NW_004517029.1	45333	CC	TT	TT	SYNONYMOUS_CODING	101491975	two-component response regulator ARR10-like
SNP_69834B_45433	scaffold1959	NW_004517029.1	45433	CC	TT	TT	NON_SYNONYMOUS_CODING	101491975	two-component response regulator ARR10-like
SNP_69835B_46647	scaffold1959	NW_004517029.1	46647	GG	TT	TT	URR	101491975	two-component response regulator ARR10-like
SNP_69836B_46691	scaffold1959	NW_004517029.1	46691	AA	GG	GG	URR	101491975	two-component response regulator ARR10-like
SNP_69837B_46694	scaffold1959	NW_004517029.1	46694	AA	CC	CC	URR	101491975	two-component response regulator ARR10-like
SNP_69838B_46936	scaffold1959	NW_004517029.1	46936	CC	AA	AA	URR	101491975	two-component response regulator ARR10-like
SNP_69839B_47215	scaffold1959	NW_004517029.1	47215	TT	CC	CC	URR	101491975	two-component response regulator ARR10-like
SNP_69841B_47298	scaffold1959	NW_004517029.1	47298	CC	TT	TT	URR	101491975	two-component response regulator ARR10-like
SNP_69842B_47522	scaffold1959	NW_004517029.1	47522	TT	GG	GG	URR	101491975	two-component response regulator ARR10-like
SNP_69843B_47525	scaffold1959	NW_004517029.1	47525	GG	CC	CC	URR	101491975	two-component response regulator ARR10-like
SNP_69844B_47589	scaffold1959	NW_004517029.1	47589	AA	GG	GG	URR	101491975	two-component response regulator ARR10-like
SNP_69845B_47654	scaffold1959	NW_004517029.1	47654	TT	CC	GG	INTERGENIC		
SNP_69846B_59120	scaffold1959	NW_004517029.1	59120	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_69847B_59376	scaffold1959	NW_004517029.1	59376	AA	CC	CC	DRR	101492309	Unknown function
SNP_69848B_59387	scaffold1959	NW_004517029.1	59387	TT	AA	AA	DRR	101492309	Unknown function
SNP_69849B_64335	scaffold1959	NW_004517029.1	64335	AA	GG	GG	URR	101492309	Unknown function
SNP_69850B_64342	scaffold1959	NW_004517029.1	64342	CC	TT	TT	URR	101492309	Unknown function
SNP_69851B_67709	scaffold1959	NW_004517029.1	67709	CC	AA	AA	INTERGENIC		
SNP_69853B_84677	scaffold1959	NW_004517029.1	84677	GG	CC	CC	INTERGENIC		
SNP_69854B_120749	scaffold1959	NW_004517029.1	120749	CC	AA	AA	URR	101492974	Unknown function
SNP_69856B_8805	scaffold1962	NW_004517032.1	8805	AA	CC	CC	INTERGENIC		
SNP_69857B_19739	scaffold1962	NW_004517032.1	19739	TT	GG	GG	INTRON	101493946	uncharacterized LOC101493946
SNP_69858B_44482	scaffold1962	NW_004517032.1	44482	TT	GG	GG	INTERGENIC		
SNP_69859B_44490	scaffold1962	NW_004517032.1	44490	GG	AA	AA	INTERGENIC		
SNP_69860B_72393	scaffold1962	NW_004517032.1	72393	GG	AA	AA	INTERGENIC		
SNP_69861B_119045	scaffold1962	NW_004517032.1	119045	TT	CC	CC	INTERGENIC		
SNP_69863B_170086	scaffold1962	NW_004517032.1	170086	GG	AA	AA	INTERGENIC		
SNP_69864B_170553	scaffold1962	NW_004517032.1	170553	CC	TT	TT	INTERGENIC		
SNP_69865B_170687	scaffold1962	NW_004517032.1	170687	CC	TT	TT	INTERGENIC		
SNP_69867B_170743	scaffold1962	NW_004517032.1	170743	TT	CC	CC	INTERGENIC		
SNP_69868B_170953	scaffold1962	NW_004517032.1	170953	GG	AA	AA	INTERGENIC		
SNP_69869B_171050	scaffold1962	NW_004517032.1	171050	TT	CC	CC	INTERGENIC		
SNP_69870B_171057	scaffold1962	NW_004517032.1	171057	AA	TT	TT	INTERGENIC		
SNP_69871B_3106	scaffold1963	NW_004517033.1	3106	AA	GG	GG	INTERGENIC		
SNP_69873B_7258	scaffold1964	NW_004517034.1	7258	AA	GG	GG	INTERGENIC		
SNP_69874B_7550	scaffold1964	NW_004517034.1	7550	TT	CC	CC	INTERGENIC		
SNP_69875B_7736	scaffold1964	NW_004517034.1	7736	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_69876B_7839	scaffold1964	NW_004517034.1	7839	GG	AA	AA	INTERGENIC		
SNP_69877B_8291	scaffold1964	NW_004517034.1	8291	CC	TT	TT	INTERGENIC		
SNP_69878B_8405	scaffold1964	NW_004517034.1	8405	CC	TT	TT	INTERGENIC		
SNP_69879B_8463	scaffold1964	NW_004517034.1	8463	GG	AA	AA	INTERGENIC		
SNP_69880B_8908	scaffold1964	NW_004517034.1	8908	AA	GG	GG	INTERGENIC		
SNP_69882B_9086	scaffold1964	NW_004517034.1	9086	CC	GG	GG	INTERGENIC		
SNP_69883B_9087	scaffold1964	NW_004517034.1	9087	TT	GG	GG	INTERGENIC		
SNP_69884B_9088	scaffold1964	NW_004517034.1	9088	CC	AA	AA	INTERGENIC		
SNP_69885B_9089	scaffold1964	NW_004517034.1	9089	CC	GG	GG	INTERGENIC		
SNP_69886B_9348	scaffold1964	NW_004517034.1	9348	TT	AA	AA	INTERGENIC		
SNP_69887B_9550	scaffold1964	NW_004517034.1	9550	CC	GG	GG	INTERGENIC		
SNP_69888B_10009	scaffold1964	NW_004517034.1	10009	GG	AA	AA	INTERGENIC		
SNP_69889B_10272	scaffold1964	NW_004517034.1	10272	TT	CC	CC	DRR	101496202	uncharacterized LOC101496202
SNP_69890B_10279	scaffold1964	NW_004517034.1	10279	GG	AA	AA	DRR	101496202	uncharacterized LOC101496202
SNP_69891B_10442	scaffold1964	NW_004517034.1	10442	GG	AA	AA	DRR	101496202	uncharacterized LOC101496202
SNP_69892B_10529	scaffold1964	NW_004517034.1	10529	AA	GG	GG	DRR	101496202	uncharacterized LOC101496202
SNP_69893B_10764	scaffold1964	NW_004517034.1	10764	TT	CC	CC	DRR	101496202	uncharacterized LOC101496202
SNP_69894B_10821	scaffold1964	NW_004517034.1	10821	AA	GG	GG	DRR	101496202	uncharacterized LOC101496202
SNP_69895B_10842	scaffold1964	NW_004517034.1	10842	TT	GG	GG	DRR	101496202	uncharacterized LOC101496202
SNP_69897B_11016	scaffold1964	NW_004517034.1	11016	GG	AA	AA	DRR	101496202	uncharacterized LOC101496202
SNP_69899B_20246	scaffold1964	NW_004517034.1	20246	CC	TT	TT	INTERGENIC		
SNP_69900B_20248	scaffold1964	NW_004517034.1	20248	CC	TT	TT	INTERGENIC		
SNP_69901B_20257	scaffold1964	NW_004517034.1	20257	CC	AA	AA	INTERGENIC		
SNP_69902B_20394	scaffold1964	NW_004517034.1	20394	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_69903B_20422	scaffold1964	NW_004517034.1	20422	GG	AA	AA	INTERGENIC		
SNP_69904B_20442	scaffold1964	NW_004517034.1	20442	CC	TT	TT	INTERGENIC		
SNP_69905B_20601	scaffold1964	NW_004517034.1	20601	AA	CC	CC	INTERGENIC		
SNP_69906B_20811	scaffold1964	NW_004517034.1	20811	TT	CC	CC	INTERGENIC		
SNP_69907B_20884	scaffold1964	NW_004517034.1	20884	GG	AA	AA	INTERGENIC		
SNP_69908B_20885	scaffold1964	NW_004517034.1	20885	CC	TT	TT	INTERGENIC		
SNP_69909B_20940	scaffold1964	NW_004517034.1	20940	CC	AA	AA	INTERGENIC		
SNP_69910B_21130	scaffold1964	NW_004517034.1	21130	TT	CC	CC	INTERGENIC		
SNP_69911B_21191	scaffold1964	NW_004517034.1	21191	AA	GG	GG	INTERGENIC		
SNP_69913B_22615	scaffold1964	NW_004517034.1	22615	GG	CC	CC	INTERGENIC		
SNP_69914B_113158	scaffold1964	NW_004517034.1	113158	GG	AA	AA	INTERGENIC		
SNP_69915B_171915	scaffold1964	NW_004517034.1	171915	TT	CC	CC	INTERGENIC		
SNP_69916B_172096	scaffold1964	NW_004517034.1	172096	TT	CC	CC	INTERGENIC		
SNP_69918B_172293	scaffold1964	NW_004517034.1	172293	AA	GG	GG	INTERGENIC		
SNP_69919B_4056	scaffold1971	NW_004517040.1	4056	TT	CC	CC	INTERGENIC		
SNP_69920B_4292	scaffold1971	NW_004517040.1	4292	TT	CC	CC	INTERGENIC		
SNP_69921B_4317	scaffold1971	NW_004517040.1	4317	CC	AA	AA	INTERGENIC		
SNP_69922B_4445	scaffold1971	NW_004517040.1	4445	TT	CC	CC	INTERGENIC		
SNP_69923B_1180	scaffold1974	NW_004517042.1	1180	AA	TT	TT	INTERGENIC		
SNP_69924B_1206	scaffold1974	NW_004517042.1	1206	GG	AA	AA	INTERGENIC		
SNP_69925B_1231	scaffold1974	NW_004517042.1	1231	AA	CC	CC	INTERGENIC		
SNP_69926B_5395	scaffold1976	NW_004517044.1	5395	CC	TT	TT	INTERGENIC		
SNP_69927B_9479	scaffold1976	NW_004517044.1	9479	TT	CC	CC	INTERGENIC		
SNP_69928B_9511	scaffold1976	NW_004517044.1	9511	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_69929B_9663	scaffold1976	NW_004517044.1	9663	AA	TT	TT	INTERGENIC		
SNP_69930B_10608	scaffold1976	NW_004517044.1	10608	TT	AA	AA	INTERGENIC		
SNP_69931B_10738	scaffold1976	NW_004517044.1	10738	CC	TT	TT	INTERGENIC		
SNP_69932B_10858	scaffold1976	NW_004517044.1	10858	CC	AA	AA	INTERGENIC		
SNP_69933B_10866	scaffold1976	NW_004517044.1	10866	GG	AA	AA	INTERGENIC		
SNP_69934B_10886	scaffold1976	NW_004517044.1	10886	TT	CC	CC	INTERGENIC		
SNP_69935B_17145	scaffold1976	NW_004517044.1	17145	AA	TT	TT	INTERGENIC		
SNP_69936B_17607	scaffold1976	NW_004517044.1	17607	GG	AA	AA	INTERGENIC		
SNP_69937B_17636	scaffold1976	NW_004517044.1	17636	TT	CC	CC	INTERGENIC		
SNP_69938B_26420	scaffold1976	NW_004517044.1	26420	CC	TT	TT	INTERGENIC		
SNP_69939B_27109	scaffold1976	NW_004517044.1	27109	AA	GG	GG	INTERGENIC		
SNP_69940B_27139	scaffold1976	NW_004517044.1	27139	GG	AA	AA	INTERGENIC		
SNP_69941B_27175	scaffold1976	NW_004517044.1	27175	TT	CC	CC	INTERGENIC		
SNP_69942B_27433	scaffold1976	NW_004517044.1	27433	AA	TT	TT	INTERGENIC		
SNP_69943B_27451	scaffold1976	NW_004517044.1	27451	AA	GG	GG	INTERGENIC		
SNP_69944B_28209	scaffold1976	NW_004517044.1	28209	GG	AA	AA	INTERGENIC		
SNP_69945B_28618	scaffold1976	NW_004517044.1	28618	AA	GG	GG	INTERGENIC		
SNP_69946B_31214	scaffold1976	NW_004517044.1	31214	AA	GG	GG	INTERGENIC		
SNP_69947B_31270	scaffold1976	NW_004517044.1	31270	TT	GG	GG	INTERGENIC		
SNP_69948B_31612	scaffold1976	NW_004517044.1	31612	GG	AA	AA	INTERGENIC		
SNP_69949B_500	scaffold1981	NW_004517046.1	500	GG	AA	AA	INTERGENIC		
SNP_69950B_30730	scaffold1981	NW_004517046.1	30730	TT	GG	GG	URR	101500211	uncharacterized protein At5g05190-like
SNP_69951B_30737	scaffold1981	NW_004517046.1	30737	TT	GG	GG	URR	101500211	uncharacterized protein At5g05190-like
SNP_69952B_50679	scaffold1981	NW_004517046.1	50679	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_69953B_82412	scaffold1981	NW_004517046.1	82412	CC	GG	GG	INTERGENIC		
SNP_69954B_82481	scaffold1981	NW_004517046.1	82481	AA	GG	GG	INTERGENIC		
SNP_69955B_82519	scaffold1981	NW_004517046.1	82519	GG	AA	AA	INTERGENIC		
SNP_69956B_82774	scaffold1981	NW_004517046.1	82774	AA	TT	TT	INTERGENIC		
SNP_69957B_82906	scaffold1981	NW_004517046.1	82906	CC	GG	AA	INTERGENIC		
SNP_69958B_91284	scaffold1981	NW_004517046.1	91284	AA	GG	GG	INTERGENIC		
SNP_69959B_100200	scaffold1981	NW_004517046.1	100200	GG	AA	AA	INTERGENIC		
SNP_69960B_100560	scaffold1981	NW_004517046.1	100560	CC	TT	TT	INTERGENIC		
SNP_69961B_100621	scaffold1981	NW_004517046.1	100621	GG	AA	AA	INTERGENIC		
SNP_69964B_131491	scaffold1981	NW_004517046.1	131491	AA	TT	TT	INTERGENIC		
SNP_69965B_149229	scaffold1981	NW_004517046.1	149229	GG	TT	TT	INTERGENIC		
SNP_69970B_240669	scaffold1981	NW_004517046.1	240669	AA	TT	TT	DRR	101502333	uncharacterized LOC101502333
SNP_69971B_240890	scaffold1981	NW_004517046.1	240890	TT	AA	AA	NON_SYNONYMOUS_CODING	id216115	Unknown function
SNP_69972B_242067	scaffold1981	NW_004517046.1	242067	TT	CC	CC	NON_SYNONYMOUS_CODING	id216115	Unknown function
SNP_69973B_243116	scaffold1981	NW_004517046.1	243116	TT	AA	AA	INTRON	id216115	Unknown function
SNP_69974B_243491	scaffold1981	NW_004517046.1	243491	GG	AA	AA	INTRON	id216115	Unknown function
SNP_69975B_243578	scaffold1981	NW_004517046.1	243578	CC	TT	TT	INTRON	id216115	Unknown function
SNP_69976B_255286	scaffold1981	NW_004517046.1	255286	CC	TT	TT	INTERGENIC		
SNP_69977B_264343	scaffold1981	NW_004517046.1	264343	AA	GG	GG	INTERGENIC		
SNP_69978B_276788	scaffold1981	NW_004517046.1	276788	AA	CC	CC	INTERGENIC		
SNP_69979B_277055	scaffold1981	NW_004517046.1	277055	GG	AA	AA	INTERGENIC		
SNP_69980B_277065	scaffold1981	NW_004517046.1	277065	TT	CC	CC	INTERGENIC		
SNP_69981B_277095	scaffold1981	NW_004517046.1	277095	TT	CC	CC	INTERGENIC		
SNP_69982B_277133	scaffold1981	NW_004517046.1	277133	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_69983B_278323	scaffold1981	NW_004517046.1	278323	GG	AA	AA	INTERGENIC		
SNP_69984B_278347	scaffold1981	NW_004517046.1	278347	GG	AA	AA	INTERGENIC		
SNP_69985B_278361	scaffold1981	NW_004517046.1	278361	AA	GG	GG	INTERGENIC		
SNP_69986B_304137	scaffold1981	NW_004517046.1	304137	GG	AA	AA	INTRON	101503391	histone H3-like centromeric protein HTR12-like
SNP_69987B_310315	scaffold1981	NW_004517046.1	310315	GG	AA	AA	INTERGENIC		
SNP_69988B_313094	scaffold1981	NW_004517046.1	313094	CC	TT	TT	INTERGENIC		
SNP_69990B_320635	scaffold1981	NW_004517046.1	320635	CC	TT	TT	DRR	101507909	uncharacterized LOC101507909
SNP_69991B_320667	scaffold1981	NW_004517046.1	320667	TT	CC	CC	DRR	101507909	uncharacterized LOC101507909
SNP_69992B_320672	scaffold1981	NW_004517046.1	320672	TT	CC	CC	DRR	101507909	uncharacterized LOC101507909
SNP_69993B_320688	scaffold1981	NW_004517046.1	320688	AA	GG	GG	DRR	101507909	uncharacterized LOC101507909
SNP_69994B_320705	scaffold1981	NW_004517046.1	320705	AA	GG	GG	DRR	101507909	uncharacterized LOC101507909
SNP_69995B_320734	scaffold1981	NW_004517046.1	320734	TT	GG	GG	DRR	101507909	uncharacterized LOC101507909
SNP_69996B_320741	scaffold1981	NW_004517046.1	320741	GG	AA	AA	DRR	101507909	uncharacterized LOC101507909
SNP_69997B_320831	scaffold1981	NW_004517046.1	320831	AA	GG	GG	SYNONYMOUS_CODING	101507909	uncharacterized LOC101507909
SNP_69998B_320942	scaffold1981	NW_004517046.1	320942	AA	GG	GG	INTERGENIC		
SNP_69999B_320958	scaffold1981	NW_004517046.1	320958	CC	TT	TT	INTERGENIC		
SNP_70000B_321180	scaffold1981	NW_004517046.1	321180	TT	GG	GG	INTERGENIC		
SNP_70001B_335682	scaffold1981	NW_004517046.1	335682	GG	AA	AA	URR	101504054	uncharacterized LOC101504054
SNP_70002B_335948	scaffold1981	NW_004517046.1	335948	GG	AA	AA	URR	101504054	uncharacterized LOC101504054
SNP_70003B_336033	scaffold1981	NW_004517046.1	336033	AA	TT	TT	URR	101504054	uncharacterized LOC101504054
SNP_70004B_336220	scaffold1981	NW_004517046.1	336220	TT	CC	CC	DRR	101504909	pentatricopeptide repeat-containing protein At4g01030, mitochondrial
SNP_70005B_336259	scaffold1981	NW_004517046.1	336259	GG	CC	CC	DRR	101504909	pentatricopeptide repeat-containing protein At4g01030, mitochondrial
SNP_70006B_336490	scaffold1981	NW_004517046.1	336490	AA	GG	GG	DRR	101504909	pentatricopeptide repeat-containing protein At4g01030, mitochondrial
SNP_70007B_336500	scaffold1981	NW_004517046.1	336500	AA	GG	GG	DRR	101504909	pentatricopeptide repeat-containing protein At4g01030, mitochondrial

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70008B_336546	scaffold1981	NW_004517046.1	336546	GG	AA	AA	DRR	101504909	pentatricopeptide repeat-containing protein At4g01030, mitochondrial
SNP_70009B_336547	scaffold1981	NW_004517046.1	336547	TT	CC	CC	DRR	101504909	pentatricopeptide repeat-containing protein At4g01030, mitochondrial
SNP_70010B_336565	scaffold1981	NW_004517046.1	336565	TT	CC	CC	DRR	101504909	pentatricopeptide repeat-containing protein At4g01030, mitochondrial
SNP_70011B_336862	scaffold1981	NW_004517046.1	336862	GG	AA	AA	DRR	101504909	pentatricopeptide repeat-containing protein At4g01030, mitochondrial
SNP_70012B_336873	scaffold1981	NW_004517046.1	336873	CC	GG	GG	DRR	101504909	pentatricopeptide repeat-containing protein At4g01030, mitochondrial
SNP_70013B_336875	scaffold1981	NW_004517046.1	336875	AA	GG	GG	DRR	101504909	pentatricopeptide repeat-containing protein At4g01030, mitochondrial
SNP_70015B_341662	scaffold1981	NW_004517046.1	341662	CC	GG	GG	URR	101504909	pentatricopeptide repeat-containing protein At4g01030, mitochondrial
SNP_70016B_341678	scaffold1981	NW_004517046.1	341678	GG	AA	AA	URR	101504909	pentatricopeptide repeat-containing protein At4g01030, mitochondrial
SNP_70017B_341692	scaffold1981	NW_004517046.1	341692	CC	AA	AA	URR	101504909	pentatricopeptide repeat-containing protein At4g01030, mitochondrial
SNP_70018B_341703	scaffold1981	NW_004517046.1	341703	AA	GG	GG	URR	101504909	pentatricopeptide repeat-containing protein At4g01030, mitochondrial
SNP_70019B_343597	scaffold1981	NW_004517046.1	343597	TT	CC	CC	INTERGENIC		
SNP_70020B_343612	scaffold1981	NW_004517046.1	343612	TT	CC	CC	INTERGENIC		
SNP_70021B_348024	scaffold1981	NW_004517046.1	348024	CC	TT	TT	INTERGENIC		
SNP_70022B_348203	scaffold1981	NW_004517046.1	348203	AA	CC	CC	INTERGENIC		
SNP_70023B_349213	scaffold1981	NW_004517046.1	349213	TT	CC	CC	INTERGENIC		
SNP_70024B_349229	scaffold1981	NW_004517046.1	349229	TT	AA	AA	INTERGENIC		
SNP_70025B_349626	scaffold1981	NW_004517046.1	349626	GG	TT	TT	INTERGENIC		
SNP_70026B_351935	scaffold1981	NW_004517046.1	351935	AA	GG	GG	INTERGENIC		
SNP_70027B_355139	scaffold1981	NW_004517046.1	355139	TT	GG	GG	INTERGENIC		
SNP_70028B_355336	scaffold1981	NW_004517046.1	355336	GG	AA	AA	INTERGENIC		
SNP_70030B_355612	scaffold1981	NW_004517046.1	355612	GG	AA	AA	INTERGENIC		
SNP_70031B_357128	scaffold1981	NW_004517046.1	357128	AA	TT	TT	INTERGENIC		
SNP_70032B_361514	scaffold1981	NW_004517046.1	361514	TT	AA	AA	INTERGENIC		
SNP_70033B_364589	scaffold1981	NW_004517046.1	364589	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70034B_364601	scaffold1981	NW_004517046.1	364601	TT	AA	AA	INTERGENIC		
SNP_70035B_366508	scaffold1981	NW_004517046.1	366508	CC	GG	GG	INTERGENIC		
SNP_70036B_366526	scaffold1981	NW_004517046.1	366526	AA	CC	CC	INTERGENIC		
SNP_70037B_371685	scaffold1981	NW_004517046.1	371685	CC	TT	TT	INTERGENIC		
SNP_70038B_375404	scaffold1981	NW_004517046.1	375404	AA	GG	GG	INTERGENIC		
SNP_70039B_375414	scaffold1981	NW_004517046.1	375414	TT	GG	GG	INTERGENIC		
SNP_70040B_387273	scaffold1981	NW_004517046.1	387273	CC	TT	TT	INTERGENIC		
SNP_70041B_395241	scaffold1981	NW_004517046.1	395241	AA	GG	GG	INTRON	101505990	DEAD-box ATP-dependent RNA helicase 31-like
SNP_70042B_405398	scaffold1981	NW_004517046.1	405398	GG	TT	TT	INTERGENIC		
SNP_70043B_417015	scaffold1981	NW_004517046.1	417015	CC	TT	TT	INTERGENIC		
SNP_70044B_417618	scaffold1981	NW_004517046.1	417618	GG	CC	CC	INTERGENIC		
SNP_70045B_420019	scaffold1981	NW_004517046.1	420019	AA	GG	GG	INTERGENIC		
SNP_70046B_420029	scaffold1981	NW_004517046.1	420029	AA	TT	TT	INTERGENIC		
SNP_70047B_430770	scaffold1981	NW_004517046.1	430770	GG	TT	TT	INTERGENIC		
SNP_70050B_30066	scaffold1983	NW_004517048.1	30066	AA	GG	GG	INTERGENIC		
SNP_70051B_34126	scaffold1983	NW_004517048.1	34126	AA	GG	GG	INTERGENIC		
SNP_70053B_34337	scaffold1983	NW_004517048.1	34337	AA	TT	TT	INTERGENIC		
SNP_70054B_34553	scaffold1983	NW_004517048.1	34553	TT	CC	CC	INTERGENIC		
SNP_70055B_34712	scaffold1983	NW_004517048.1	34712	TT	CC	CC	INTERGENIC		
SNP_70056B_34737	scaffold1983	NW_004517048.1	34737	AA	CC	CC	INTERGENIC		
SNP_70057B_37635	scaffold1983	NW_004517048.1	37635	GG	AA	AA	INTERGENIC		
SNP_70058B_37637	scaffold1983	NW_004517048.1	37637	TT	AA	AA	INTERGENIC		
SNP_70059B_37652	scaffold1983	NW_004517048.1	37652	TT	GG	GG	INTERGENIC		
SNP_70060B_47980	scaffold1983	NW_004517048.1	47980	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70061B_47987	scaffold1983	NW_004517048.1	47987	AA	GG	GG	INTERGENIC		
SNP_70062B_48027	scaffold1983	NW_004517048.1	48027	AA	GG	GG	INTERGENIC		
SNP_70063B_48293	scaffold1983	NW_004517048.1	48293	AA	GG	GG	INTERGENIC		
SNP_70064B_62796	scaffold1983	NW_004517048.1	62796	AA	CC	CC	INTERGENIC		
SNP_70065B_62806	scaffold1983	NW_004517048.1	62806	AA	GG	GG	INTERGENIC		
SNP_70066B_62815	scaffold1983	NW_004517048.1	62815	TT	AA	AA	INTERGENIC		
SNP_70067B_63409	scaffold1983	NW_004517048.1	63409	TT	AA	AA	INTERGENIC		
SNP_70068B_62914	scaffold1984	NW_004517049.1	62914	CC	TT	TT	INTERGENIC		
SNP_70069B_63840	scaffold1984	NW_004517049.1	63840	CC	TT	TT	INTERGENIC		
SNP_70070B_134176	scaffold1984	NW_004517049.1	134176	GG	AA	AA	INTERGENIC		
SNP_70071B_136048	scaffold1984	NW_004517049.1	136048	GG	AA	AA	INTERGENIC		
SNP_70072B_171935	scaffold1984	NW_004517049.1	171935	GG	AA	AA	INTERGENIC		
SNP_70073B_244125	scaffold1984	NW_004517049.1	244125	TT	AA	AA	NON_SYNONYMOUS_CODING	101510042	uncharacterized LOC101510042
SNP_70074B_244290	scaffold1984	NW_004517049.1	244290	AA	CC	CC	NON_SYNONYMOUS_CODING	101510042	uncharacterized LOC101510042
SNP_70075B_244461	scaffold1984	NW_004517049.1	244461	AA	GG	GG	NON_SYNONYMOUS_CODING	101510042	uncharacterized LOC101510042
SNP_70076B_244511	scaffold1984	NW_004517049.1	244511	AA	GG	GG	NON_SYNONYMOUS_CODING	101510042	uncharacterized LOC101510042
SNP_70077B_244513	scaffold1984	NW_004517049.1	244513	AA	GG	GG	SYNONYMOUS_CODING	101510042	uncharacterized LOC101510042
SNP_70078B_251607	scaffold1984	NW_004517049.1	251607	TT	CC	CC	INTRON	101510369	uncharacterized LOC101510369
SNP_70079B_251618	scaffold1984	NW_004517049.1	251618	CC	GG	GG	INTRON	101510369	uncharacterized LOC101510369
SNP_70080B_251622	scaffold1984	NW_004517049.1	251622	TT	CC	CC	INTRON	101510369	uncharacterized LOC101510369
SNP_70081B_251651	scaffold1984	NW_004517049.1	251651	TT	CC	CC	INTRON	101510369	uncharacterized LOC101510369
SNP_70082B_251801	scaffold1984	NW_004517049.1	251801	CC	TT	TT	INTRON	101510369	uncharacterized LOC101510369
SNP_70083B_253206	scaffold1984	NW_004517049.1	253206	TT	GG	GG	INTRON	101510369	uncharacterized LOC101510369
SNP_70084B_253317	scaffold1984	NW_004517049.1	253317	AA	GG	GG	INTRON	101510369	uncharacterized LOC101510369

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70085B_253667	scaffold1984	NW_004517049.1	253667	CC	TT	TT	NON_SYNONYMOUS_CODING	101510369	uncharacterized LOC101510369
SNP_70086B_253748	scaffold1984	NW_004517049.1	253748	TT	AA	AA	NON_SYNONYMOUS_CODING	101510369	uncharacterized LOC101510369
SNP_70087B_255868	scaffold1984	NW_004517049.1	255868	AA	CC	CC	NON_SYNONYMOUS_CODING	101510369	uncharacterized LOC101510369
SNP_70088B_323144	scaffold1984	NW_004517049.1	323144	TT	AA	AA	INTERGENIC		
SNP_70090B_323575	scaffold1984	NW_004517049.1	323575	CC	TT	TT	INTERGENIC		
SNP_70091B_323593	scaffold1984	NW_004517049.1	323593	TT	CC	CC	INTERGENIC		
SNP_70092B_323802	scaffold1984	NW_004517049.1	323802	TT	CC	CC	INTERGENIC		
SNP_70093B_323847	scaffold1984	NW_004517049.1	323847	AA	GG	GG	INTERGENIC		
SNP_70094B_325206	scaffold1984	NW_004517049.1	325206	GG	AA	AA	INTERGENIC		
SNP_70095B_325320	scaffold1984	NW_004517049.1	325320	AA	GG	GG	INTERGENIC		
SNP_70096B_325346	scaffold1984	NW_004517049.1	325346	AA	GG	GG	INTERGENIC		
SNP_70097B_325392	scaffold1984	NW_004517049.1	325392	TT	CC	CC	INTERGENIC		
SNP_70098B_325550	scaffold1984	NW_004517049.1	325550	TT	CC	CC	INTERGENIC		
SNP_70099B_325559	scaffold1984	NW_004517049.1	325559	TT	CC	CC	INTERGENIC		
SNP_70100B_325586	scaffold1984	NW_004517049.1	325586	GG	AA	AA	INTERGENIC		
SNP_70101B_325685	scaffold1984	NW_004517049.1	325685	GG	AA	AA	INTERGENIC		
SNP_70102B_325713	scaffold1984	NW_004517049.1	325713	GG	AA	AA	INTERGENIC		
SNP_70104B_325754	scaffold1984	NW_004517049.1	325754	AA	GG	GG	INTERGENIC		
SNP_70105B_325761	scaffold1984	NW_004517049.1	325761	AA	CC	CC	INTERGENIC		
SNP_70106B_325779	scaffold1984	NW_004517049.1	325779	TT	CC	CC	INTERGENIC		
SNP_70107B_325784	scaffold1984	NW_004517049.1	325784	GG	AA	AA	INTERGENIC		
SNP_70108B_325790	scaffold1984	NW_004517049.1	325790	GG	AA	AA	INTERGENIC		
SNP_70109B_342970	scaffold1984	NW_004517049.1	342970	TT	GG	GG	INTERGENIC		
SNP_70110B_343354	scaffold1984	NW_004517049.1	343354	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70111B_343367	scaffold1984	NW_004517049.1	343367	TT	GG	GG	INTERGENIC		
SNP_70112B_343399	scaffold1984	NW_004517049.1	343399	TT	CC	CC	INTERGENIC		
SNP_70113B_343416	scaffold1984	NW_004517049.1	343416	TT	CC	CC	INTERGENIC		
SNP_70114B_343449	scaffold1984	NW_004517049.1	343449	AA	GG	GG	INTERGENIC		
SNP_70115B_345913	scaffold1984	NW_004517049.1	345913	TT	CC	CC	INTERGENIC		
SNP_70116B_359978	scaffold1984	NW_004517049.1	359978	AA	GG	GG	INTERGENIC		
SNP_70117B_360007	scaffold1984	NW_004517049.1	360007	AA	GG	GG	INTERGENIC		
SNP_70118B_360122	scaffold1984	NW_004517049.1	360122	CC	AA	AA	INTERGENIC		
SNP_70119B_360316	scaffold1984	NW_004517049.1	360316	AA	GG	GG	INTERGENIC		
SNP_70120B_362646	scaffold1984	NW_004517049.1	362646	AA	CC	CC	INTERGENIC		
SNP_70121B_363077	scaffold1984	NW_004517049.1	363077	CC	TT	TT	INTERGENIC		
SNP_70122B_384349	scaffold1984	NW_004517049.1	384349	TT	AA	AA	INTERGENIC		
SNP_70123B_384350	scaffold1984	NW_004517049.1	384350	CC	AA	AA	INTERGENIC		
SNP_70124B_384351	scaffold1984	NW_004517049.1	384351	AA	TT	TT	INTERGENIC		
SNP_70125B_384352	scaffold1984	NW_004517049.1	384352	AA	TT	TT	INTERGENIC		
SNP_70126B_384353	scaffold1984	NW_004517049.1	384353	AA	TT	TT	INTERGENIC		
SNP_70127B_384356	scaffold1984	NW_004517049.1	384356	CC	AA	AA	INTERGENIC		
SNP_70128B_384358	scaffold1984	NW_004517049.1	384358	CC	AA	AA	INTERGENIC		
SNP_70129B_384374	scaffold1984	NW_004517049.1	384374	CC	AA	AA	INTERGENIC		
SNP_70130B_384375	scaffold1984	NW_004517049.1	384375	AA	TT	TT	INTERGENIC		
SNP_70131B_384744	scaffold1984	NW_004517049.1	384744	TT	GG	GG	INTERGENIC		
SNP_70132B_386604	scaffold1984	NW_004517049.1	386604	AA	TT	TT	INTERGENIC		
SNP_70133B_386835	scaffold1984	NW_004517049.1	386835	AA	GG	GG	INTERGENIC		
SNP_70134B_386943	scaffold1984	NW_004517049.1	386943	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70135B_386963	scaffold1984	NW_004517049.1	386963	CC	TT	TT	INTERGENIC		
SNP_70136B_387057	scaffold1984	NW_004517049.1	387057	GG	AA	AA	INTERGENIC		
SNP_70137B_387139	scaffold1984	NW_004517049.1	387139	TT	CC	CC	INTERGENIC		
SNP_70138B_109641	scaffold1985	NW_004517050.1	109641	GG	AA	AA	INTERGENIC		
SNP_70139B_135426	scaffold1985	NW_004517050.1	135426	TT	CC	CC	INTERGENIC		
SNP_70140B_141811	scaffold1985	NW_004517050.1	141811	TT	CC	CC	INTERGENIC		
SNP_70141B_3744	scaffold1987	NW_004517052.1	3744	TT	CC	CC	INTERGENIC		
SNP_70142B_3745	scaffold1987	NW_004517052.1	3745	TT	AA	AA	INTERGENIC		
SNP_70144B_4590	scaffold1988	NW_004517053.1	4590	CC	TT	TT	INTERGENIC		
SNP_70145B_4737	scaffold1988	NW_004517053.1	4737	TT	CC	CC	INTERGENIC		
SNP_70146B_4794	scaffold1988	NW_004517053.1	4794	AA	GG	GG	INTERGENIC		
SNP_70147B_4798	scaffold1988	NW_004517053.1	4798	GG	CC	CC	INTERGENIC		
SNP_70148B_4965	scaffold1988	NW_004517053.1	4965	CC	GG	GG	INTERGENIC		
SNP_70149B_4988	scaffold1988	NW_004517053.1	4988	GG	AA	AA	INTERGENIC		
SNP_70150B_5207	scaffold1988	NW_004517053.1	5207	CC	TT	TT	INTERGENIC		
SNP_70151B_7447	scaffold1988	NW_004517053.1	7447	GG	TT	TT	INTERGENIC		
SNP_70152B_7515	scaffold1988	NW_004517053.1	7515	TT	AA	AA	INTERGENIC		
SNP_70153B_7756	scaffold1988	NW_004517053.1	7756	TT	GG	GG	INTERGENIC		
SNP_70155B_14100	scaffold1988	NW_004517053.1	14100	CC	TT	TT	INTERGENIC		
SNP_70156B_4319	scaffold1990	NW_004517055.1	4319	GG	TT	TT	INTERGENIC		
SNP_70157B_4399	scaffold1990	NW_004517055.1	4399	AA	GG	GG	INTERGENIC		
SNP_70158B_4406	scaffold1990	NW_004517055.1	4406	TT	CC	CC	INTERGENIC		
SNP_70159B_100123	scaffold1991	NW_004517056.1	100123	TT	CC	CC	INTERGENIC		
SNP_70160B_113487	scaffold1991	NW_004517056.1	113487	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70161B_113518	scaffold1991	NW_004517056.1	113518	AA	GG	GG	INTERGENIC		
SNP_70162B_113612	scaffold1991	NW_004517056.1	113612	GG	CC	CC	INTERGENIC		
SNP_70163B_113915	scaffold1991	NW_004517056.1	113915	TT	CC	CC	INTERGENIC		
SNP_70164B_113975	scaffold1991	NW_004517056.1	113975	GG	AA	AA	INTERGENIC		
SNP_70165B_113988	scaffold1991	NW_004517056.1	113988	AA	GG	GG	INTERGENIC		
SNP_70166B_113998	scaffold1991	NW_004517056.1	113998	GG	AA	AA	INTERGENIC		
SNP_70167B_114003	scaffold1991	NW_004517056.1	114003	CC	TT	TT	INTERGENIC		
SNP_70168B_114007	scaffold1991	NW_004517056.1	114007	TT	CC	CC	INTERGENIC		
SNP_70169B_114008	scaffold1991	NW_004517056.1	114008	CC	TT	TT	INTERGENIC		
SNP_70170B_744	scaffold1996	NW_004517061.1	744	GG	AA	AA	INTERGENIC		
SNP_70171B_1036	scaffold1996	NW_004517061.1	1036	CC	TT	TT	INTERGENIC		
SNP_70172B_1039	scaffold1996	NW_004517061.1	1039	CC	TT	TT	INTERGENIC		
SNP_70173B_1041	scaffold1996	NW_004517061.1	1041	GG	AA	AA	INTERGENIC		
SNP_70174B_1057	scaffold1996	NW_004517061.1	1057	GG	AA	AA	INTERGENIC		
SNP_70175B_1084	scaffold1996	NW_004517061.1	1084	CC	TT	TT	INTERGENIC		
SNP_70176B_1099	scaffold1996	NW_004517061.1	1099	CC	AA	AA	INTERGENIC		
SNP_70178B_5502	scaffold1996	NW_004517061.1	5502	GG	AA	AA	INTERGENIC		
SNP_70179B_5518	scaffold1996	NW_004517061.1	5518	GG	TT	TT	INTERGENIC		
SNP_70180B_5563	scaffold1996	NW_004517061.1	5563	AA	GG	GG	INTERGENIC		
SNP_70181B_5631	scaffold1996	NW_004517061.1	5631	CC	TT	TT	INTERGENIC		
SNP_70183B_5745	scaffold1996	NW_004517061.1	5745	CC	AA	AA	INTERGENIC		
SNP_70184B_5863	scaffold1996	NW_004517061.1	5863	GG	AA	AA	INTERGENIC		
SNP_70185B_5866	scaffold1996	NW_004517061.1	5866	TT	CC	CC	INTERGENIC		
SNP_70186B_5902	scaffold1996	NW_004517061.1	5902	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70187B_5947	scaffold1996	NW_004517061.1	5947	CC	TT	TT	INTERGENIC		
SNP_70189B_6048	scaffold1996	NW_004517061.1	6048	GG	AA	AA	INTERGENIC		
SNP_70190B_6074	scaffold1996	NW_004517061.1	6074	AA	GG	GG	INTERGENIC		
SNP_70191B_6160	scaffold1996	NW_004517061.1	6160	AA	GG	GG	INTERGENIC		
SNP_70192B_6221	scaffold1996	NW_004517061.1	6221	TT	CC	CC	INTERGENIC		
SNP_70193B_420	scaffold1997	NW_004517062.1	420	AA	CC	CC	INTERGENIC		
SNP_70194B_2958	scaffold1999	NW_004517063.1	2958	AA	GG	GG	INTERGENIC		
SNP_70195B_3035	scaffold1999	NW_004517063.1	3035	GG	AA	AA	INTERGENIC		
SNP_70196B_3092	scaffold1999	NW_004517063.1	3092	TT	CC	CC	INTERGENIC		
SNP_70197B_4458	scaffold1999	NW_004517063.1	4458	GG	AA	AA	INTERGENIC		
SNP_70198B_7576	scaffold1999	NW_004517063.1	7576	TT	GG	GG	INTERGENIC		
SNP_70199B_7913	scaffold1999	NW_004517063.1	7913	AA	TT	TT	INTERGENIC		
SNP_70200B_24873	scaffold1999	NW_004517063.1	24873	CC	AA	AA	INTERGENIC		
SNP_70201B_25728	scaffold1999	NW_004517063.1	25728	AA	TT	TT	INTERGENIC		
SNP_70202B_25931	scaffold1999	NW_004517063.1	25931	GG	TT	TT	INTERGENIC		
SNP_70203B_26052	scaffold1999	NW_004517063.1	26052	TT	AA	AA	INTERGENIC		
SNP_70204B_28005	scaffold1999	NW_004517063.1	28005	TT	CC	CC	INTERGENIC		
SNP_70205B_28859	scaffold1999	NW_004517063.1	28859	CC	GG	GG	INTERGENIC		
SNP_70207B_29821	scaffold1999	NW_004517063.1	29821	GG	AA	AA	INTERGENIC		
SNP_70209B_29969	scaffold1999	NW_004517063.1	29969	AA	GG	GG	INTERGENIC		
SNP_70210B_30248	scaffold1999	NW_004517063.1	30248	GG	CC	CC	INTERGENIC		
SNP_70211B_30249	scaffold1999	NW_004517063.1	30249	GG	AA	AA	INTERGENIC		
SNP_70212B_30319	scaffold1999	NW_004517063.1	30319	TT	AA	AA	INTERGENIC		
SNP_70213B_30490	scaffold1999	NW_004517063.1	30490	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70214B_30604	scaffold1999	NW_004517063.1	30604	AA	GG	GG	INTERGENIC		
SNP_70215B_30698	scaffold1999	NW_004517063.1	30698	TT	AA	AA	INTERGENIC		
SNP_70216B_30719	scaffold1999	NW_004517063.1	30719	AA	GG	GG	INTERGENIC		
SNP_70217B_30741	scaffold1999	NW_004517063.1	30741	CC	TT	TT	INTERGENIC		
SNP_70218B_30799	scaffold1999	NW_004517063.1	30799	CC	TT	TT	INTERGENIC		
SNP_70219B_31258	scaffold1999	NW_004517063.1	31258	GG	AA	AA	INTERGENIC		
SNP_70220B_31963	scaffold1999	NW_004517063.1	31963	CC	TT	TT	INTERGENIC		
SNP_70221B_31975	scaffold1999	NW_004517063.1	31975	CC	AA	AA	INTERGENIC		
SNP_70222B_32111	scaffold1999	NW_004517063.1	32111	TT	AA	AA	INTERGENIC		
SNP_70223B_32312	scaffold1999	NW_004517063.1	32312	TT	CC	CC	INTERGENIC		
SNP_70224B_32326	scaffold1999	NW_004517063.1	32326	CC	GG	GG	INTERGENIC		
SNP_70225B_32374	scaffold1999	NW_004517063.1	32374	GG	AA	AA	INTERGENIC		
SNP_70226B_32503	scaffold1999	NW_004517063.1	32503	TT	GG	GG	INTERGENIC		
SNP_70227B_32524	scaffold1999	NW_004517063.1	32524	TT	AA	AA	INTERGENIC		
SNP_70228B_32602	scaffold1999	NW_004517063.1	32602	GG	TT	TT	INTERGENIC		
SNP_70229B_1088	scaffold2000	NW_004517064.1	1088	TT	AA	AA	INTERGENIC		
SNP_70230B_1100	scaffold2000	NW_004517064.1	1100	AA	CC	CC	INTERGENIC		
SNP_70231B_1115	scaffold2000	NW_004517064.1	1115	AA	TT	TT	INTERGENIC		
SNP_70232B_1127	scaffold2000	NW_004517064.1	1127	CC	TT	TT	INTERGENIC		
SNP_70233B_1140	scaffold2000	NW_004517064.1	1140	TT	CC	CC	INTERGENIC		
SNP_70234B_1164	scaffold2000	NW_004517064.1	1164	GG	AA	AA	INTERGENIC		
SNP_70235B_1245	scaffold2000	NW_004517064.1	1245	AA	GG	GG	INTERGENIC		
SNP_70236B_1258	scaffold2000	NW_004517064.1	1258	AA	CC	CC	INTERGENIC		
SNP_70237B_1376	scaffold2000	NW_004517064.1	1376	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70238B_1444	scaffold2000	NW_004517064.1	1444	GG	AA	AA	INTERGENIC		
SNP_70239B_1523	scaffold2000	NW_004517064.1	1523	CC	GG	GG	INTERGENIC		
SNP_70241B_1565	scaffold2000	NW_004517064.1	1565	AA	GG	GG	INTERGENIC		
SNP_70242B_1606	scaffold2000	NW_004517064.1	1606	AA	CC	CC	INTERGENIC		
SNP_70243B_1613	scaffold2000	NW_004517064.1	1613	TT	GG	GG	INTERGENIC		
SNP_70244B_1625	scaffold2000	NW_004517064.1	1625	CC	AA	AA	INTERGENIC		
SNP_70245B_1627	scaffold2000	NW_004517064.1	1627	AA	TT	TT	INTERGENIC		
SNP_70246B_1671	scaffold2000	NW_004517064.1	1671	TT	GG	GG	INTERGENIC		
SNP_70247B_1686	scaffold2000	NW_004517064.1	1686	GG	CC	CC	INTERGENIC		
SNP_70248B_1709	scaffold2000	NW_004517064.1	1709	GG	AA	AA	INTERGENIC		
SNP_70249B_1746	scaffold2000	NW_004517064.1	1746	TT	CC	CC	INTERGENIC		
SNP_70250B_1750	scaffold2000	NW_004517064.1	1750	TT	AA	AA	INTERGENIC		
SNP_70251B_1754	scaffold2000	NW_004517064.1	1754	TT	AA	AA	INTERGENIC		
SNP_70252B_1765	scaffold2000	NW_004517064.1	1765	TT	CC	CC	INTERGENIC		
SNP_70253B_2158	scaffold2000	NW_004517064.1	2158	GG	TT	TT	INTERGENIC		
SNP_70254B_2163	scaffold2000	NW_004517064.1	2163	CC	AA	AA	INTERGENIC		
SNP_70255B_2251	scaffold2000	NW_004517064.1	2251	TT	AA	AA	INTERGENIC		
SNP_70256B_2351	scaffold2000	NW_004517064.1	2351	TT	AA	AA	INTERGENIC		
SNP_70257B_2382	scaffold2000	NW_004517064.1	2382	CC	AA	AA	INTERGENIC		
SNP_70258B_2396	scaffold2000	NW_004517064.1	2396	AA	GG	GG	INTERGENIC		
SNP_70259B_2418	scaffold2000	NW_004517064.1	2418	GG	TT	TT	INTERGENIC		
SNP_70260B_2530	scaffold2000	NW_004517064.1	2530	AA	CC	CC	INTERGENIC		
SNP_70261B_2557	scaffold2000	NW_004517064.1	2557	AA	GG	GG	INTERGENIC		
SNP_70262B_2560	scaffold2000	NW_004517064.1	2560	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70263B_2577	scaffold2000	NW_004517064.1	2577	GG	TT	TT	INTERGENIC		
SNP_70264B_2580	scaffold2000	NW_004517064.1	2580	AA	TT	TT	INTERGENIC		
SNP_70265B_2641	scaffold2000	NW_004517064.1	2641	GG	CC	CC	INTERGENIC		
SNP_70266B_2678	scaffold2000	NW_004517064.1	2678	CC	AA	AA	INTERGENIC		
SNP_70267B_2730	scaffold2000	NW_004517064.1	2730	AA	TT	TT	INTERGENIC		
SNP_70268B_2811	scaffold2000	NW_004517064.1	2811	AA	CC	CC	INTERGENIC		
SNP_70269B_2818	scaffold2000	NW_004517064.1	2818	GG	TT	TT	INTERGENIC		
SNP_70270B_2852	scaffold2000	NW_004517064.1	2852	GG	AA	AA	INTERGENIC		
SNP_70271B_2917	scaffold2000	NW_004517064.1	2917	AA	GG	GG	INTERGENIC		
SNP_70272B_2944	scaffold2000	NW_004517064.1	2944	TT	AA	AA	INTERGENIC		
SNP_70273B_2965	scaffold2000	NW_004517064.1	2965	CC	AA	AA	INTERGENIC		
SNP_70274B_2971	scaffold2000	NW_004517064.1	2971	CC	AA	AA	INTERGENIC		
SNP_70275B_3027	scaffold2000	NW_004517064.1	3027	GG	CC	CC	INTERGENIC		
SNP_70276B_3039	scaffold2000	NW_004517064.1	3039	AA	GG	GG	INTERGENIC		
SNP_70277B_10741	scaffold2000	NW_004517064.1	10741	AA	GG	GG	INTERGENIC		
SNP_70278B_10811	scaffold2000	NW_004517064.1	10811	GG	AA	AA	INTERGENIC		
SNP_70280B_10890	scaffold2000	NW_004517064.1	10890	TT	CC	CC	INTERGENIC		
SNP_70281B_11238	scaffold2000	NW_004517064.1	11238	GG	CC	CC	INTERGENIC		
SNP_70282B_11259	scaffold2000	NW_004517064.1	11259	CC	GG	GG	INTERGENIC		
SNP_70283B_11276	scaffold2000	NW_004517064.1	11276	GG	AA	AA	INTERGENIC		
SNP_70284B_11302	scaffold2000	NW_004517064.1	11302	CC	TT	TT	INTERGENIC		
SNP_70285B_11341	scaffold2000	NW_004517064.1	11341	AA	GG	GG	INTERGENIC		
SNP_70286B_11365	scaffold2000	NW_004517064.1	11365	CC	TT	TT	INTERGENIC		
SNP_70287B_11411	scaffold2000	NW_004517064.1	11411	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70288B_11420	scaffold2000	NW_004517064.1	11420	GG	TT	TT	INTERGENIC		
SNP_70289B_11425	scaffold2000	NW_004517064.1	11425	TT	GG	GG	INTERGENIC		
SNP_70290B_11544	scaffold2000	NW_004517064.1	11544	AA	GG	GG	INTERGENIC		
SNP_70291B_11569	scaffold2000	NW_004517064.1	11569	CC	GG	GG	INTERGENIC		
SNP_70292B_11735	scaffold2000	NW_004517064.1	11735	CC	GG	GG	INTERGENIC		
SNP_70293B_13866	scaffold2000	NW_004517064.1	13866	AA	GG	GG	INTERGENIC		
SNP_70294B_13887	scaffold2000	NW_004517064.1	13887	TT	AA	AA	INTERGENIC		
SNP_70295B_13894	scaffold2000	NW_004517064.1	13894	TT	GG	GG	INTERGENIC		
SNP_70296B_14156	scaffold2000	NW_004517064.1	14156	AA	CC	CC	INTERGENIC		
SNP_70297B_14241	scaffold2000	NW_004517064.1	14241	CC	TT	TT	INTERGENIC		
SNP_70298B_18454	scaffold2000	NW_004517064.1	18454	AA	CC	CC	INTERGENIC		
SNP_70299B_18504	scaffold2000	NW_004517064.1	18504	TT	CC	CC	INTERGENIC		
SNP_70300B_18818	scaffold2000	NW_004517064.1	18818	TT	GG	GG	INTERGENIC		
SNP_70301B_20109	scaffold2000	NW_004517064.1	20109	GG	AA	AA	INTERGENIC		
SNP_70302B_20285	scaffold2000	NW_004517064.1	20285	CC	AA	AA	INTERGENIC		
SNP_70303B_20469	scaffold2000	NW_004517064.1	20469	TT	AA	AA	INTERGENIC		
SNP_70304B_20635	scaffold2000	NW_004517064.1	20635	AA	GG	GG	INTERGENIC		
SNP_70305B_20663	scaffold2000	NW_004517064.1	20663	TT	GG	GG	INTERGENIC		
SNP_70306B_21435	scaffold2000	NW_004517064.1	21435	GG	AA	AA	INTERGENIC		
SNP_70307B_21443	scaffold2000	NW_004517064.1	21443	CC	TT	TT	INTERGENIC		
SNP_70308B_22479	scaffold2000	NW_004517064.1	22479	CC	AA	AA	INTERGENIC		
SNP_70309B_22495	scaffold2000	NW_004517064.1	22495	GG	CC	CC	INTERGENIC		
SNP_70310B_22517	scaffold2000	NW_004517064.1	22517	AA	GG	GG	INTERGENIC		
SNP_70311B_26646	scaffold2000	NW_004517064.1	26646	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70312B_3651	scaffold2003	NW_004517066.1	3651	TT	CC	CC	INTERGENIC		
SNP_70313B_3727	scaffold2003	NW_004517066.1	3727	CC	TT	TT	INTERGENIC		
SNP_70314B_3740	scaffold2003	NW_004517066.1	3740	CC	AA	AA	INTERGENIC		
SNP_70315B_3778	scaffold2003	NW_004517066.1	3778	CC	TT	TT	INTERGENIC		
SNP_70316B_3789	scaffold2003	NW_004517066.1	3789	AA	GG	GG	INTERGENIC		
SNP_70317B_5293	scaffold2003	NW_004517066.1	5293	TT	CC	CC	INTERGENIC		
SNP_70318B_7505	scaffold2003	NW_004517066.1	7505	GG	TT	TT	INTERGENIC		
SNP_70319B_7903	scaffold2003	NW_004517066.1	7903	TT	CC	CC	INTERGENIC		
SNP_70320B_8219	scaffold2003	NW_004517066.1	8219	AA	GG	GG	INTERGENIC		
SNP_70321B_12521	scaffold2003	NW_004517066.1	12521	GG	AA	AA	INTERGENIC		
SNP_70322B_14644	scaffold2003	NW_004517066.1	14644	AA	TT	TT	INTERGENIC		
SNP_70323B_19133	scaffold2003	NW_004517066.1	19133	AA	GG	GG	INTERGENIC		
SNP_70324B_19795	scaffold2003	NW_004517066.1	19795	AA	GG	GG	INTERGENIC		
SNP_70325B_19894	scaffold2003	NW_004517066.1	19894	TT	CC	CC	INTERGENIC		
SNP_70326B_19909	scaffold2003	NW_004517066.1	19909	CC	AA	AA	INTERGENIC		
SNP_70327B_22637	scaffold2003	NW_004517066.1	22637	CC	AA	AA	INTERGENIC		
SNP_70328B_23205	scaffold2003	NW_004517066.1	23205	CC	AA	AA	INTERGENIC		
SNP_70329B_23263	scaffold2003	NW_004517066.1	23263	CC	TT	TT	INTERGENIC		
SNP_70330B_23376	scaffold2003	NW_004517066.1	23376	AA	TT	TT	INTERGENIC		
SNP_70331B_23554	scaffold2003	NW_004517066.1	23554	CC	AA	AA	INTERGENIC		
SNP_70332B_23555	scaffold2003	NW_004517066.1	23555	CC	TT	TT	INTERGENIC		
SNP_70333B_23621	scaffold2003	NW_004517066.1	23621	CC	TT	TT	INTERGENIC		
SNP_70334B_32868	scaffold2003	NW_004517066.1	32868	AA	TT	TT	INTERGENIC		
SNP_70335B_8826	scaffold2005	NW_004517068.1	8826	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70336B_8855	scaffold2005	NW_004517068.1	8855	TT	GG	GG	INTERGENIC		
SNP_70337B_9010	scaffold2005	NW_004517068.1	9010	AA	TT	TT	INTERGENIC		
SNP_70338B_9013	scaffold2005	NW_004517068.1	9013	CC	TT	TT	INTERGENIC		
SNP_70339B_9146	scaffold2005	NW_004517068.1	9146	CC	TT	TT	INTERGENIC		
SNP_70340B_9185	scaffold2005	NW_004517068.1	9185	TT	CC	CC	INTERGENIC		
SNP_70341B_9228	scaffold2005	NW_004517068.1	9228	GG	AA	AA	INTERGENIC		
SNP_70342B_12947	scaffold2005	NW_004517068.1	12947	TT	CC	CC	INTERGENIC		
SNP_70343B_24923	scaffold2005	NW_004517068.1	24923	GG	AA	AA	INTERGENIC		
SNP_70344B_25260	scaffold2005	NW_004517068.1	25260	TT	GG	GG	INTERGENIC		
SNP_70346B_32384	scaffold2005	NW_004517068.1	32384	TT	CC	CC	INTERGENIC		
SNP_70347B_1194	scaffold2006	NW_004517069.1	1194	AA	TT	TT	INTERGENIC		
SNP_70348B_1201	scaffold2006	NW_004517069.1	1201	CC	TT	TT	INTERGENIC		
SNP_70349B_1219	scaffold2006	NW_004517069.1	1219	TT	CC	CC	INTERGENIC		
SNP_70350B_1295	scaffold2006	NW_004517069.1	1295	CC	TT	TT	INTERGENIC		
SNP_70351B_3505	scaffold2010	NW_004517072.1	3505	AA	GG	GG	INTERGENIC		
SNP_70352B_3525	scaffold2010	NW_004517072.1	3525	CC	TT	TT	INTERGENIC		
SNP_70354B_3696	scaffold2010	NW_004517072.1	3696	TT	GG	GG	INTERGENIC		
SNP_70355B_3711	scaffold2010	NW_004517072.1	3711	AA	TT	TT	INTERGENIC		
SNP_70356B_3748	scaffold2010	NW_004517072.1	3748	TT	AA	AA	INTERGENIC		
SNP_70357B_3755	scaffold2010	NW_004517072.1	3755	GG	AA	AA	INTERGENIC		
SNP_70358B_3765	scaffold2010	NW_004517072.1	3765	CC	TT	TT	INTERGENIC		
SNP_70359B_3766	scaffold2010	NW_004517072.1	3766	TT	AA	AA	INTERGENIC		
SNP_70360B_3768	scaffold2010	NW_004517072.1	3768	TT	CC	CC	INTERGENIC		
SNP_70361B_3769	scaffold2010	NW_004517072.1	3769	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70362B_3771	scaffold2010	NW_004517072.1	3771	AA	CC	CC	INTERGENIC		
SNP_70363B_3772	scaffold2010	NW_004517072.1	3772	CC	TT	TT	INTERGENIC		
SNP_70364B_3776	scaffold2010	NW_004517072.1	3776	AA	GG	GG	INTERGENIC		
SNP_70365B_3798	scaffold2010	NW_004517072.1	3798	TT	AA	AA	INTERGENIC		
SNP_70366B_3803	scaffold2010	NW_004517072.1	3803	GG	AA	AA	INTERGENIC		
SNP_70367B_5493	scaffold2010	NW_004517072.1	5493	GG	TT	TT	INTERGENIC		
SNP_70368B_6079	scaffold2010	NW_004517072.1	6079	AA	GG	GG	INTERGENIC		
SNP_70369B_6403	scaffold2010	NW_004517072.1	6403	GG	AA	AA	INTERGENIC		
SNP_70370B_6507	scaffold2010	NW_004517072.1	6507	AA	CC	CC	INTERGENIC		
SNP_70371B_6544	scaffold2010	NW_004517072.1	6544	GG	AA	AA	INTERGENIC		
SNP_70373B_6879	scaffold2010	NW_004517072.1	6879	CC	AA	AA	INTERGENIC		
SNP_70374B_6917	scaffold2010	NW_004517072.1	6917	CC	TT	TT	INTERGENIC		
SNP_70375B_7016	scaffold2010	NW_004517072.1	7016	TT	GG	GG	INTERGENIC		
SNP_70376B_7254	scaffold2010	NW_004517072.1	7254	TT	CC	CC	INTERGENIC		
SNP_70377B_7484	scaffold2010	NW_004517072.1	7484	GG	AA	AA	INTERGENIC		
SNP_70378B_7532	scaffold2010	NW_004517072.1	7532	CC	AA	AA	INTERGENIC		
SNP_70380B_8235	scaffold2010	NW_004517072.1	8235	TT	CC	CC	INTERGENIC		
SNP_70381B_1589	scaffold2017	NW_004517078.1	1589	AA	GG	GG	INTERGENIC		
SNP_70382B_1708	scaffold2017	NW_004517078.1	1708	GG	TT	TT	INTERGENIC		
SNP_70383B_1719	scaffold2017	NW_004517078.1	1719	TT	GG	GG	INTERGENIC		
SNP_70384B_1895	scaffold2017	NW_004517078.1	1895	CC	TT	TT	INTERGENIC		
SNP_70385B_1156	scaffold2018	NW_004517079.1	1156	CC	AA	AA	INTRON	101488518	Unknown function
SNP_70386B_2520	scaffold2018	NW_004517079.1	2520	AA	GG	GG	URR	101488518	Unknown function
SNP_70387B_4172	scaffold2018	NW_004517079.1	4172	AA	GG	GG	URR	101488518	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70389B_5396	scaffold2018	NW_004517079.1	5396	CC	TT	TT	INTERGENIC		
SNP_70390B_5538	scaffold2018	NW_004517079.1	5538	TT	AA	AA	INTERGENIC		
SNP_70391B_13979	scaffold2018	NW_004517079.1	13979	TT	AA	AA	INTERGENIC		
SNP_70393B_18262	scaffold2018	NW_004517079.1	18262	TT	CC	CC	INTERGENIC		
SNP_70394B_18723	scaffold2018	NW_004517079.1	18723	AA	TT	TT	INTERGENIC		
SNP_70395B_19823	scaffold2018	NW_004517079.1	19823	AA	GG	GG	INTERGENIC		
SNP_70396B_20572	scaffold2018	NW_004517079.1	20572	CC	TT	TT	INTERGENIC		
SNP_70397B_21454	scaffold2018	NW_004517079.1	21454	CC	AA	AA	INTERGENIC		
SNP_70398B_21455	scaffold2018	NW_004517079.1	21455	TT	CC	CC	INTERGENIC		
SNP_70399B_21997	scaffold2018	NW_004517079.1	21997	AA	TT	TT	INTERGENIC		
SNP_70400B_23357	scaffold2018	NW_004517079.1	23357	CC	AA	AA	DRR	101488299	uncharacterized LOC101488299
SNP_70401B_25652	scaffold2018	NW_004517079.1	25652	CC	TT	TT	URR	101488299	uncharacterized LOC101488299
SNP_70402B_27539	scaffold2018	NW_004517079.1	27539	CC	TT	TT	INTERGENIC		
SNP_70403B_27551	scaffold2018	NW_004517079.1	27551	GG	AA	AA	INTERGENIC		
SNP_70404B_27584	scaffold2018	NW_004517079.1	27584	CC	GG	GG	INTERGENIC		
SNP_70405B_27587	scaffold2018	NW_004517079.1	27587	AA	GG	GG	INTERGENIC		
SNP_70406B_27749	scaffold2018	NW_004517079.1	27749	TT	CC	CC	INTERGENIC		
SNP_70407B_27752	scaffold2018	NW_004517079.1	27752	GG	CC	CC	INTERGENIC		
SNP_70408B_27816	scaffold2018	NW_004517079.1	27816	TT	CC	CC	INTERGENIC		
SNP_70410B_28388	scaffold2018	NW_004517079.1	28388	GG	TT	TT	INTERGENIC		
SNP_70411B_28488	scaffold2018	NW_004517079.1	28488	AA	TT	TT	INTERGENIC		
SNP_70412B_28571	scaffold2018	NW_004517079.1	28571	GG	TT	TT	INTERGENIC		
SNP_70413B_6383	scaffold2020	NW_004517080.1	6383	AA	TT	TT	INTERGENIC		
SNP_70414B_6913	scaffold2020	NW_004517080.1	6913	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70415B_7073	scaffold2020	NW_004517080.1	7073	TT	CC	CC	INTERGENIC		
SNP_70416B_7347	scaffold2020	NW_004517080.1	7347	CC	TT	TT	INTERGENIC		
SNP_70417B_7375	scaffold2020	NW_004517080.1	7375	GG	AA	AA	INTERGENIC		
SNP_70418B_7383	scaffold2020	NW_004517080.1	7383	TT	AA	AA	INTERGENIC		
SNP_70419B_7409	scaffold2020	NW_004517080.1	7409	TT	CC	CC	INTERGENIC		
SNP_70420B_7459	scaffold2020	NW_004517080.1	7459	CC	AA	AA	INTERGENIC		
SNP_70421B_7495	scaffold2020	NW_004517080.1	7495	GG	TT	TT	INTERGENIC		
SNP_70422B_7507	scaffold2020	NW_004517080.1	7507	CC	GG	GG	INTERGENIC		
SNP_70423B_7565	scaffold2020	NW_004517080.1	7565	AA	CC	CC	INTERGENIC		
SNP_70424B_7579	scaffold2020	NW_004517080.1	7579	CC	TT	TT	INTERGENIC		
SNP_70425B_7582	scaffold2020	NW_004517080.1	7582	TT	GG	AA	INTERGENIC		
SNP_70426B_7616	scaffold2020	NW_004517080.1	7616	TT	GG	GG	INTERGENIC		
SNP_70427B_7668	scaffold2020	NW_004517080.1	7668	TT	CC	CC	INTERGENIC		
SNP_70428B_7687	scaffold2020	NW_004517080.1	7687	AA	GG	GG	INTERGENIC		
SNP_70429B_7839	scaffold2020	NW_004517080.1	7839	AA	CC	CC	INTERGENIC		
SNP_70430B_13265	scaffold2020	NW_004517080.1	13265	AA	CC	CC	INTERGENIC		
SNP_70431B_13266	scaffold2020	NW_004517080.1	13266	AA	GG	GG	INTERGENIC		
SNP_70432B_13584	scaffold2020	NW_004517080.1	13584	TT	AA	AA	INTERGENIC		
SNP_70433B_1399	scaffold2022	NW_004517082.1	1399	CC	GG	GG	INTERGENIC		
SNP_70434B_1719	scaffold2022	NW_004517082.1	1719	CC	TT	TT	INTERGENIC		
SNP_70435B_8447	scaffold2022	NW_004517082.1	8447	TT	CC	CC	INTERGENIC		
SNP_70437B_83040	scaffold2022	NW_004517082.1	83040	AA	GG	GG	INTERGENIC		
SNP_70438B_83111	scaffold2022	NW_004517082.1	83111	TT	CC	CC	INTERGENIC		
SNP_70439B_110161	scaffold2022	NW_004517082.1	110161	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70440B_110529	scaffold2022	NW_004517082.1	110529	TT	CC	CC	INTERGENIC		
SNP_70441B_110790	scaffold2022	NW_004517082.1	110790	AA	GG	GG	INTERGENIC		
SNP_70442B_110823	scaffold2022	NW_004517082.1	110823	TT	CC	CC	INTERGENIC		
SNP_70443B_115189	scaffold2022	NW_004517082.1	115189	TT	CC	CC	INTERGENIC		
SNP_70444B_115206	scaffold2022	NW_004517082.1	115206	AA	GG	GG	INTERGENIC		
SNP_70445B_115840	scaffold2022	NW_004517082.1	115840	TT	AA	AA	INTERGENIC		
SNP_70446B_116269	scaffold2022	NW_004517082.1	116269	AA	CC	CC	INTERGENIC		
SNP_70447B_132693	scaffold2022	NW_004517082.1	132693	CC	TT	TT	INTERGENIC		
SNP_70448B_136212	scaffold2022	NW_004517082.1	136212	GG	AA	AA	INTERGENIC		
SNP_70449B_136215	scaffold2022	NW_004517082.1	136215	CC	TT	TT	INTERGENIC		
SNP_70450B_136221	scaffold2022	NW_004517082.1	136221	CC	AA	AA	INTERGENIC		
SNP_70451B_136299	scaffold2022	NW_004517082.1	136299	GG	AA	AA	INTERGENIC		
SNP_70452B_136522	scaffold2022	NW_004517082.1	136522	TT	CC	CC	INTERGENIC		
SNP_70453B_136540	scaffold2022	NW_004517082.1	136540	AA	GG	GG	INTERGENIC		
SNP_70454B_136640	scaffold2022	NW_004517082.1	136640	AA	GG	GG	INTERGENIC		
SNP_70455B_136756	scaffold2022	NW_004517082.1	136756	CC	TT	TT	INTERGENIC		
SNP_70456B_136765	scaffold2022	NW_004517082.1	136765	TT	GG	GG	INTERGENIC		
SNP_70457B_136772	scaffold2022	NW_004517082.1	136772	TT	CC	CC	INTERGENIC		
SNP_70458B_136798	scaffold2022	NW_004517082.1	136798	CC	TT	TT	INTERGENIC		
SNP_70459B_136873	scaffold2022	NW_004517082.1	136873	CC	TT	TT	INTERGENIC		
SNP_70460B_136888	scaffold2022	NW_004517082.1	136888	TT	CC	CC	INTERGENIC		
SNP_70461B_139308	scaffold2022	NW_004517082.1	139308	CC	AA	AA	INTERGENIC		
SNP_70462B_140763	scaffold2022	NW_004517082.1	140763	AA	TT	TT	INTERGENIC		
SNP_70463B_155561	scaffold2022	NW_004517082.1	155561	CC	TT	AA	SYNONYMOUS_CODING	101489517	uncharacterized LOC101489517

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70464B_155636	scaffold2022	NW_004517082.1	155636	TT	AA	AA	INTRON	101489517	uncharacterized LOC101489517
SNP_70465B_155873	scaffold2022	NW_004517082.1	155873	TT	CC	CC	NON_SYNONYMOUS_CODING	101489517	uncharacterized LOC101489517
SNP_70467B_9988	scaffold2023	NW_004517083.1	9988	CC	TT	TT	INTERGENIC		
SNP_70468B_1623	scaffold2024	NW_004517084.1	1623	GG	AA	AA	INTERGENIC		
SNP_70469B_1669	scaffold2024	NW_004517084.1	1669	AA	GG	GG	INTERGENIC		
SNP_70470B_1908	scaffold2024	NW_004517084.1	1908	TT	CC	CC	INTERGENIC		
SNP_70472B_1987	scaffold2024	NW_004517084.1	1987	TT	CC	CC	INTERGENIC		
SNP_70473B_2050	scaffold2024	NW_004517084.1	2050	GG	TT	TT	INTERGENIC		
SNP_70474B_2070	scaffold2024	NW_004517084.1	2070	AA	CC	CC	INTERGENIC		
SNP_70475B_2246	scaffold2024	NW_004517084.1	2246	TT	GG	GG	INTERGENIC		
SNP_70476B_2285	scaffold2024	NW_004517084.1	2285	AA	TT	TT	INTERGENIC		
SNP_70477B_2301	scaffold2024	NW_004517084.1	2301	TT	CC	CC	INTERGENIC		
SNP_70478B_4000	scaffold2024	NW_004517084.1	4000	CC	TT	TT	INTERGENIC		
SNP_70479B_4213	scaffold2024	NW_004517084.1	4213	TT	GG	GG	INTERGENIC		
SNP_70480B_4757	scaffold2024	NW_004517084.1	4757	CC	AA	AA	INTERGENIC		
SNP_70481B_4431	scaffold2026	NW_004517086.1	4431	TT	CC	CC	INTERGENIC		
SNP_70482B_4432	scaffold2026	NW_004517086.1	4432	TT	AA	AA	INTERGENIC		
SNP_70483B_4463	scaffold2026	NW_004517086.1	4463	GG	AA	AA	INTERGENIC		
SNP_70484B_4466	scaffold2026	NW_004517086.1	4466	TT	CC	CC	INTERGENIC		
SNP_70485B_4485	scaffold2026	NW_004517086.1	4485	AA	GG	GG	INTERGENIC		
SNP_70486B_5188	scaffold2026	NW_004517086.1	5188	AA	CC	CC	INTERGENIC		
SNP_70487B_452	scaffold2027	NW_004517087.1	452	GG	TT	TT	INTERGENIC		
SNP_70488B_711	scaffold2027	NW_004517087.1	711	TT	AA	AA	INTERGENIC		
SNP_70490B_2854	scaffold2027	NW_004517087.1	2854	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70491B_3025	scaffold2027	NW_004517087.1	3025	GG	AA	AA	INTERGENIC		
SNP_70492B_54117	scaffold2027	NW_004517087.1	54117	GG	TT	TT	INTERGENIC		
SNP_70493B_54597	scaffold2027	NW_004517087.1	54597	CC	GG	GG	INTERGENIC		
SNP_70494B_55625	scaffold2027	NW_004517087.1	55625	AA	GG	GG	INTERGENIC		
SNP_70495B_56181	scaffold2027	NW_004517087.1	56181	AA	GG	GG	INTERGENIC		
SNP_70496B_56186	scaffold2027	NW_004517087.1	56186	AA	GG	GG	INTERGENIC		
SNP_70497B_119641	scaffold2027	NW_004517087.1	119641	AA	TT	TT	INTERGENIC		
SNP_70498B_160211	scaffold2027	NW_004517087.1	160211	TT	CC	CC	INTERGENIC		
SNP_70499B_85	scaffold2030	NW_004517090.1	85	TT	GG	GG	INTERGENIC		
SNP_70500B_468	scaffold2030	NW_004517090.1	468	AA	GG	GG	INTERGENIC		
SNP_70501B_470	scaffold2030	NW_004517090.1	470	GG	TT	TT	INTERGENIC		
SNP_70502B_3425	scaffold2030	NW_004517090.1	3425	TT	CC	CC	INTERGENIC		
SNP_70503B_3572	scaffold2030	NW_004517090.1	3572	AA	TT	TT	INTERGENIC		
SNP_70504B_4233	scaffold2030	NW_004517090.1	4233	TT	GG	GG	INTERGENIC		
SNP_70505B_4574	scaffold2030	NW_004517090.1	4574	GG	CC	CC	INTERGENIC		
SNP_70507B_4609	scaffold2030	NW_004517090.1	4609	AA	GG	GG	INTERGENIC		
SNP_70508B_8884	scaffold2030	NW_004517090.1	8884	GG	AA	AA	INTERGENIC		
SNP_70509B_21063	scaffold2033	NW_004517092.1	21063	TT	CC	CC	INTERGENIC		
SNP_70511B_66311	scaffold2033	NW_004517092.1	66311	GG	AA	AA	INTERGENIC		
SNP_70512B_66315	scaffold2033	NW_004517092.1	66315	AA	GG	GG	INTERGENIC		
SNP_70513B_66321	scaffold2033	NW_004517092.1	66321	GG	AA	AA	INTERGENIC		
SNP_70514B_66352	scaffold2033	NW_004517092.1	66352	AA	GG	GG	INTERGENIC		
SNP_70515B_66380	scaffold2033	NW_004517092.1	66380	CC	TT	TT	INTERGENIC		
SNP_70516B_66629	scaffold2033	NW_004517092.1	66629	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70517B_89482	scaffold2033	NW_004517092.1	89482	AA	CC	CC	INTERGENIC		
SNP_70518B_165382	scaffold2033	NW_004517092.1	165382	CC	GG	GG	INTERGENIC		
SNP_70519B_165495	scaffold2033	NW_004517092.1	165495	GG	TT	TT	INTERGENIC		
SNP_70520B_170625	scaffold2033	NW_004517092.1	170625	GG	TT	TT	INTERGENIC		
SNP_70521B_182501	scaffold2033	NW_004517092.1	182501	TT	CC	CC	SYNONYMOUS_CODING	101495114	GDSL esterase/lipase At5g45910-like
SNP_70523B_183921	scaffold2033	NW_004517092.1	183921	GG	AA	AA	URR	101495114	GDSL esterase/lipase At5g45910-like
SNP_70524B_183963	scaffold2033	NW_004517092.1	183963	GG	TT	TT	URR	101495114	GDSL esterase/lipase At5g45910-like
SNP_70525B_184007	scaffold2033	NW_004517092.1	184007	GG	AA	AA	URR	101495114	GDSL esterase/lipase At5g45910-like
SNP_70526B_184160	scaffold2033	NW_004517092.1	184160	AA	TT	TT	URR	101495114	GDSL esterase/lipase At5g45910-like
SNP_70527B_184231	scaffold2033	NW_004517092.1	184231	AA	GG	GG	URR	101495114	GDSL esterase/lipase At5g45910-like
SNP_70528B_184279	scaffold2033	NW_004517092.1	184279	AA	GG	GG	URR	101495114	GDSL esterase/lipase At5g45910-like
SNP_70529B_184280	scaffold2033	NW_004517092.1	184280	AA	GG	GG	URR	101495114	GDSL esterase/lipase At5g45910-like
SNP_70530B_184338	scaffold2033	NW_004517092.1	184338	TT	GG	GG	URR	101495114	GDSL esterase/lipase At5g45910-like
SNP_70531B_184376	scaffold2033	NW_004517092.1	184376	AA	TT	TT	URR	101495114	GDSL esterase/lipase At5g45910-like
SNP_70532B_8947	scaffold2036	NW_004517095.1	8947	GG	AA	AA	INTERGENIC		
SNP_70533B_9168	scaffold2036	NW_004517095.1	9168	CC	AA	AA	INTERGENIC		
SNP_70534B_14826	scaffold2036	NW_004517095.1	14826	GG	AA	AA	INTERGENIC		
SNP_70535B_15087	scaffold2036	NW_004517095.1	15087	CC	GG	GG	INTERGENIC		
SNP_70536B_15095	scaffold2036	NW_004517095.1	15095	CC	TT	TT	INTERGENIC		
SNP_70537B_35514	scaffold2036	NW_004517095.1	35514	CC	TT	TT	INTERGENIC		
SNP_70538B_48006	scaffold2036	NW_004517095.1	48006	AA	GG	GG	INTERGENIC		
SNP_70539B_48018	scaffold2036	NW_004517095.1	48018	AA	GG	GG	INTERGENIC		
SNP_70540B_48047	scaffold2036	NW_004517095.1	48047	TT	CC	CC	INTERGENIC		
SNP_70541B_48057	scaffold2036	NW_004517095.1	48057	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70542B_48069	scaffold2036	NW_004517095.1	48069	GG	AA	AA	INTERGENIC		
SNP_70543B_48090	scaffold2036	NW_004517095.1	48090	GG	AA	AA	INTERGENIC		
SNP_70544B_48113	scaffold2036	NW_004517095.1	48113	GG	AA	AA	INTERGENIC		
SNP_70545B_57639	scaffold2036	NW_004517095.1	57639	AA	GG	GG	INTERGENIC		
SNP_70546B_73024	scaffold2036	NW_004517095.1	73024	CC	GG	GG	INTERGENIC		
SNP_70547B_73197	scaffold2036	NW_004517095.1	73197	AA	GG	GG	INTERGENIC		
SNP_70548B_73380	scaffold2036	NW_004517095.1	73380	TT	AA	AA	INTERGENIC		
SNP_70550B_73453	scaffold2036	NW_004517095.1	73453	TT	GG	GG	INTERGENIC		
SNP_70551B_73476	scaffold2036	NW_004517095.1	73476	TT	CC	CC	INTERGENIC		
SNP_70552B_73486	scaffold2036	NW_004517095.1	73486	GG	AA	AA	INTERGENIC		
SNP_70553B_157689	scaffold2036	NW_004517095.1	157689	CC	TT	TT	INTERGENIC		
SNP_70554B_157971	scaffold2036	NW_004517095.1	157971	CC	TT	TT	INTERGENIC		
SNP_70555B_158079	scaffold2036	NW_004517095.1	158079	AA	CC	CC	INTERGENIC		
SNP_70556B_158112	scaffold2036	NW_004517095.1	158112	TT	CC	CC	INTERGENIC		
SNP_70557B_241090	scaffold2036	NW_004517095.1	241090	CC	TT	TT	DRR	101497732	phosphoglycerate kinase, cytosolic-like
SNP_70558B_8288	scaffold2037	NW_004517096.1	8288	TT	CC	CC	INTERGENIC		
SNP_70559B_8319	scaffold2037	NW_004517096.1	8319	TT	GG	GG	INTERGENIC		
SNP_70560B_43744	scaffold2037	NW_004517096.1	43744	CC	TT	TT	INTERGENIC		
SNP_70561B_43745	scaffold2037	NW_004517096.1	43745	CC	TT	TT	INTERGENIC		
SNP_70562B_20670	scaffold2039	NW_004517097.1	20670	AA	GG	GG	INTERGENIC		
SNP_70563B_20692	scaffold2039	NW_004517097.1	20692	AA	GG	GG	INTERGENIC		
SNP_70564B_84466	scaffold2039	NW_004517097.1	84466	GG	AA	AA	INTERGENIC		
SNP_70565B_182537	scaffold2039	NW_004517097.1	182537	CC	TT	TT	INTERGENIC		
SNP_70566B_14467	scaffold2040	NW_004517098.1	14467	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70567B_14504	scaffold2040	NW_004517098.1	14504	GG	AA	AA	INTERGENIC		
SNP_70568B_14515	scaffold2040	NW_004517098.1	14515	AA	GG	GG	INTERGENIC		
SNP_70569B_14906	scaffold2040	NW_004517098.1	14906	AA	GG	GG	INTERGENIC		
SNP_70570B_20717	scaffold2040	NW_004517098.1	20717	AA	GG	GG	INTERGENIC		
SNP_70571B_20819	scaffold2040	NW_004517098.1	20819	CC	TT	TT	INTERGENIC		
SNP_70572B_35255	scaffold2040	NW_004517098.1	35255	GG	TT	TT	INTERGENIC		
SNP_70573B_35681	scaffold2040	NW_004517098.1	35681	AA	GG	GG	INTERGENIC		
SNP_70574B_35723	scaffold2040	NW_004517098.1	35723	AA	GG	GG	INTERGENIC		
SNP_70575B_58973	scaffold2040	NW_004517098.1	58973	TT	CC	CC	INTERGENIC		
SNP_70576B_58974	scaffold2040	NW_004517098.1	58974	TT	GG	GG	INTERGENIC		
SNP_70577B_71437	scaffold2040	NW_004517098.1	71437	AA	GG	GG	INTERGENIC		
SNP_70578B_71481	scaffold2040	NW_004517098.1	71481	AA	GG	GG	INTERGENIC		
SNP_70579B_75581	scaffold2040	NW_004517098.1	75581	CC	AA	AA	INTERGENIC		
SNP_70580B_80205	scaffold2040	NW_004517098.1	80205	AA	GG	GG	INTERGENIC		
SNP_70581B_115916	scaffold2040	NW_004517098.1	115916	TT	CC	CC	INTERGENIC		
SNP_70582B_115950	scaffold2040	NW_004517098.1	115950	CC	TT	TT	INTERGENIC		
SNP_70583B_138283	scaffold2040	NW_004517098.1	138283	GG	AA	AA	INTERGENIC		
SNP_70584B_139776	scaffold2040	NW_004517098.1	139776	AA	GG	GG	INTERGENIC		
SNP_70585B_139897	scaffold2040	NW_004517098.1	139897	GG	AA	AA	INTERGENIC		
SNP_70586B_139902	scaffold2040	NW_004517098.1	139902	AA	GG	GG	INTERGENIC		
SNP_70587B_139927	scaffold2040	NW_004517098.1	139927	CC	TT	TT	INTERGENIC		
SNP_70588B_139945	scaffold2040	NW_004517098.1	139945	TT	GG	GG	INTERGENIC		
SNP_70589B_140004	scaffold2040	NW_004517098.1	140004	AA	GG	GG	INTERGENIC		
SNP_70590B_157681	scaffold2040	NW_004517098.1	157681	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70591B_158157	scaffold2040	NW_004517098.1	158157	TT	CC	CC	INTERGENIC		
SNP_70592B_158180	scaffold2040	NW_004517098.1	158180	GG	CC	CC	INTERGENIC		
SNP_70594B_160013	scaffold2040	NW_004517098.1	160013	TT	CC	CC	INTERGENIC		
SNP_70596B_163896	scaffold2040	NW_004517098.1	163896	AA	GG	GG	INTERGENIC		
SNP_70597B_181076	scaffold2040	NW_004517098.1	181076	CC	AA	AA	URR	101502234	protein RESTRICTED TEV MOVEMENT 2-like
SNP_70598B_181087	scaffold2040	NW_004517098.1	181087	AA	TT	TT	URR	101502234	protein RESTRICTED TEV MOVEMENT 2-like
SNP_70599B_200649	scaffold2040	NW_004517098.1	200649	AA	GG	GG	INTERGENIC		
SNP_70600B_212452	scaffold2040	NW_004517098.1	212452	GG	AA	AA	INTERGENIC		
SNP_70601B_212548	scaffold2040	NW_004517098.1	212548	GG	CC	CC	INTERGENIC		
SNP_70602B_212581	scaffold2040	NW_004517098.1	212581	AA	CC	CC	INTERGENIC		
SNP_70604B_212883	scaffold2040	NW_004517098.1	212883	TT	CC	CC	INTERGENIC		
SNP_70605B_212905	scaffold2040	NW_004517098.1	212905	TT	GG	GG	INTERGENIC		
SNP_70606B_212953	scaffold2040	NW_004517098.1	212953	TT	AA	AA	INTERGENIC		
SNP_70607B_243953	scaffold2040	NW_004517098.1	243953	AA	TT	TT	INTERGENIC		
SNP_70608B_244228	scaffold2040	NW_004517098.1	244228	GG	AA	AA	INTERGENIC		
SNP_70609B_413	scaffold2050	NW_004517104.1	413	GG	CC	CC	INTERGENIC		
SNP_70610B_481	scaffold2050	NW_004517104.1	481	TT	CC	CC	INTERGENIC		
SNP_70611B_10754	scaffold2050	NW_004517104.1	10754	AA	GG	GG	INTERGENIC		
SNP_70612B_11946	scaffold2051	NW_004517105.1	11946	TT	GG	GG	NON_SYNONYMOUS_CODING	101505113	sugar transport protein 10-like
SNP_70613B_12032	scaffold2051	NW_004517105.1	12032	AA	TT	TT	SYNONYMOUS_CODING	101505113	sugar transport protein 10-like
SNP_70614B_12041	scaffold2051	NW_004517105.1	12041	TT	CC	CC	SYNONYMOUS_CODING	101505113	sugar transport protein 10-like
SNP_70615B_12244	scaffold2051	NW_004517105.1	12244	GG	AA	AA	NON_SYNONYMOUS_CODING	101505113	sugar transport protein 10-like
SNP_70616B_12420	scaffold2051	NW_004517105.1	12420	TT	CC	CC	NON_SYNONYMOUS_CODING	101505113	sugar transport protein 10-like
SNP_70617B_14969	scaffold2051	NW_004517105.1	14969	AA	TT	TT	URR	101505113	sugar transport protein 10-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70618B_24811	scaffold2051	NW_004517105.1	24811	AA	GG	GG	INTERGENIC		
SNP_70619B_24843	scaffold2051	NW_004517105.1	24843	GG	TT	TT	INTERGENIC		
SNP_70620B_25121	scaffold2051	NW_004517105.1	25121	TT	CC	CC	INTERGENIC		
SNP_70621B_25122	scaffold2051	NW_004517105.1	25122	AA	GG	GG	INTERGENIC		
SNP_70622B_32165	scaffold2051	NW_004517105.1	32165	TT	CC	CC	INTERGENIC		
SNP_70623B_32531	scaffold2051	NW_004517105.1	32531	AA	TT	TT	INTERGENIC		
SNP_70624B_40590	scaffold2051	NW_004517105.1	40590	TT	CC	CC	INTERGENIC		
SNP_70626B_40629	scaffold2051	NW_004517105.1	40629	CC	GG	GG	INTERGENIC		
SNP_70627B_40645	scaffold2051	NW_004517105.1	40645	TT	CC	CC	INTERGENIC		
SNP_70628B_40679	scaffold2051	NW_004517105.1	40679	GG	AA	AA	INTERGENIC		
SNP_70629B_40759	scaffold2051	NW_004517105.1	40759	TT	CC	CC	INTERGENIC		
SNP_70630B_40787	scaffold2051	NW_004517105.1	40787	AA	GG	GG	INTERGENIC		
SNP_70631B_40789	scaffold2051	NW_004517105.1	40789	TT	CC	CC	INTERGENIC		
SNP_70632B_40800	scaffold2051	NW_004517105.1	40800	AA	GG	GG	INTERGENIC		
SNP_70633B_41062	scaffold2051	NW_004517105.1	41062	TT	CC	CC	INTERGENIC		
SNP_70634B_41103	scaffold2051	NW_004517105.1	41103	AA	GG	GG	INTERGENIC		
SNP_70635B_93408	scaffold2051	NW_004517105.1	93408	TT	AA	AA	INTERGENIC		
SNP_70636B_93485	scaffold2051	NW_004517105.1	93485	TT	CC	CC	INTERGENIC		
SNP_70637B_141730	scaffold2051	NW_004517105.1	141730	CC	GG	GG	INTERGENIC		
SNP_70638B_184229	scaffold2051	NW_004517105.1	184229	TT	AA	AA	INTERGENIC		
SNP_70639B_189079	scaffold2051	NW_004517105.1	189079	AA	GG	GG	INTERGENIC		
SNP_70640B_1860	scaffold2055	NW_004517108.1	1860	AA	CC	CC	INTERGENIC		
SNP_70641B_1939	scaffold2056	NW_004517109.1	1939	AA	TT	TT	INTERGENIC		
SNP_70642B_3457	scaffold2056	NW_004517109.1	3457	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70643B_3472	scaffold2056	NW_004517109.1	3472	CC	TT	TT	INTERGENIC		
SNP_70644B_3479	scaffold2056	NW_004517109.1	3479	TT	GG	GG	INTERGENIC		
SNP_70645B_3729	scaffold2056	NW_004517109.1	3729	AA	TT	TT	INTERGENIC		
SNP_70646B_3730	scaffold2056	NW_004517109.1	3730	CC	TT	TT	INTERGENIC		
SNP_70647B_3757	scaffold2056	NW_004517109.1	3757	TT	GG	GG	INTERGENIC		
SNP_70648B_3779	scaffold2056	NW_004517109.1	3779	AA	CC	CC	INTERGENIC		
SNP_70649B_7975	scaffold2056	NW_004517109.1	7975	TT	CC	CC	INTERGENIC		
SNP_70650B_5050	scaffold2062	NW_004517111.1	5050	GG	TT	TT	INTERGENIC		
SNP_70651B_1344	scaffold2064	NW_004517113.1	1344	TT	CC	CC	INTERGENIC		
SNP_70652B_1488	scaffold2064	NW_004517113.1	1488	GG	AA	AA	INTERGENIC		
SNP_70653B_7287	scaffold2064	NW_004517113.1	7287	AA	GG	GG	INTERGENIC		
SNP_70654B_7298	scaffold2064	NW_004517113.1	7298	GG	AA	AA	INTERGENIC		
SNP_70655B_7302	scaffold2064	NW_004517113.1	7302	AA	CC	CC	INTERGENIC		
SNP_70656B_7303	scaffold2064	NW_004517113.1	7303	GG	AA	AA	INTERGENIC		
SNP_70657B_7321	scaffold2064	NW_004517113.1	7321	TT	CC	CC	INTERGENIC		
SNP_70658B_9114	scaffold2064	NW_004517113.1	9114	CC	TT	TT	INTERGENIC		
SNP_70659B_9146	scaffold2064	NW_004517113.1	9146	AA	GG	GG	INTERGENIC		
SNP_70660B_2703	scaffold2066	NW_004517115.1	2703	TT	CC	CC	INTERGENIC		
SNP_70661B_3236	scaffold2072	NW_004517118.1	3236	GG	AA	AA	INTERGENIC		
SNP_70662B_3239	scaffold2072	NW_004517118.1	3239	AA	GG	GG	INTERGENIC		
SNP_70663B_5006	scaffold2072	NW_004517118.1	5006	TT	AA	AA	INTERGENIC		
SNP_70664B_5071	scaffold2072	NW_004517118.1	5071	AA	GG	GG	INTERGENIC		
SNP_70665B_5303	scaffold2072	NW_004517118.1	5303	GG	AA	AA	INTERGENIC		
SNP_70666B_33534	scaffold2072	NW_004517118.1	33534	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70667B_38151	scaffold2072	NW_004517118.1	38151	AA	TT	TT	INTERGENIC		
SNP_70668B_38241	scaffold2072	NW_004517118.1	38241	CC	GG	GG	INTERGENIC		
SNP_70669B_39139	scaffold2072	NW_004517118.1	39139	AA	GG	GG	INTERGENIC		
SNP_70670B_16990	scaffold2074	NW_004517119.1	16990	GG	TT	TT	INTERGENIC		
SNP_70671B_16997	scaffold2074	NW_004517119.1	16997	AA	TT	TT	INTERGENIC		
SNP_70672B_17276	scaffold2074	NW_004517119.1	17276	GG	AA	AA	INTERGENIC		
SNP_70673B_17282	scaffold2074	NW_004517119.1	17282	AA	GG	GG	INTERGENIC		
SNP_70674B_4183	scaffold2075	NW_004517120.1	4183	GG	TT	TT	INTERGENIC		
SNP_70675B_1012	scaffold2076	NW_004517121.1	1012	AA	GG	GG	INTERGENIC		
SNP_70676B_1382	scaffold2076	NW_004517121.1	1382	TT	CC	CC	INTERGENIC		
SNP_70677B_1482	scaffold2076	NW_004517121.1	1482	AA	GG	GG	INTERGENIC		
SNP_70678B_3325	scaffold2076	NW_004517121.1	3325	TT	GG	GG	INTERGENIC		
SNP_70679B_3363	scaffold2076	NW_004517121.1	3363	CC	TT	TT	INTERGENIC		
SNP_70680B_9964	scaffold2076	NW_004517121.1	9964	GG	AA	AA	INTERGENIC		
SNP_70681B_11626	scaffold2076	NW_004517121.1	11626	TT	GG	GG	INTERGENIC		
SNP_70682B_11662	scaffold2076	NW_004517121.1	11662	TT	GG	GG	INTERGENIC		
SNP_70683B_12219	scaffold2076	NW_004517121.1	12219	TT	AA	AA	INTERGENIC		
SNP_70684B_21251	scaffold2076	NW_004517121.1	21251	TT	CC	CC	INTERGENIC		
SNP_70685B_21465	scaffold2076	NW_004517121.1	21465	GG	TT	TT	INTERGENIC		
SNP_70686B_21467	scaffold2076	NW_004517121.1	21467	GG	TT	TT	INTERGENIC		
SNP_70687B_21744	scaffold2076	NW_004517121.1	21744	AA	GG	GG	INTERGENIC		
SNP_70688B_21766	scaffold2076	NW_004517121.1	21766	AA	TT	TT	INTERGENIC		
SNP_70689B_21782	scaffold2076	NW_004517121.1	21782	CC	TT	TT	INTERGENIC		
SNP_70690B_21909	scaffold2076	NW_004517121.1	21909	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70691B_2903	scaffold2081	NW_004517124.1	2903	AA	TT	TT	INTERGENIC		
SNP_70692B_2923	scaffold2081	NW_004517124.1	2923	TT	AA	AA	INTERGENIC		
SNP_70693B_12977	scaffold2082	NW_004517125.1	12977	GG	TT	TT	INTERGENIC		
SNP_70694B_12992	scaffold2082	NW_004517125.1	12992	TT	CC	CC	INTERGENIC		
SNP_70695B_13001	scaffold2082	NW_004517125.1	13001	AA	GG	GG	INTERGENIC		
SNP_70696B_13003	scaffold2082	NW_004517125.1	13003	AA	GG	GG	INTERGENIC		
SNP_70697B_29292	scaffold2082	NW_004517125.1	29292	AA	GG	GG	INTERGENIC		
SNP_70698B_29606	scaffold2082	NW_004517125.1	29606	GG	AA	AA	INTERGENIC		
SNP_70699B_29622	scaffold2082	NW_004517125.1	29622	AA	TT	TT	INTERGENIC		
SNP_70700B_29684	scaffold2082	NW_004517125.1	29684	GG	AA	AA	INTERGENIC		
SNP_70701B_44659	scaffold2082	NW_004517125.1	44659	AA	TT	TT	INTERGENIC		
SNP_70702B_44765	scaffold2082	NW_004517125.1	44765	AA	CC	CC	INTERGENIC		
SNP_70703B_44766	scaffold2082	NW_004517125.1	44766	AA	GG	GG	INTERGENIC		
SNP_70704B_44767	scaffold2082	NW_004517125.1	44767	AA	CC	CC	INTERGENIC		
SNP_70705B_58402	scaffold2082	NW_004517125.1	58402	TT	CC	CC	INTERGENIC		
SNP_70706B_5238	scaffold2083	NW_004517126.1	5238	TT	CC	CC	INTERGENIC		
SNP_70707B_1739	scaffold2087	NW_004517129.1	1739	AA	GG	GG	INTERGENIC		
SNP_70708B_2091	scaffold2087	NW_004517129.1	2091	GG	TT	TT	INTERGENIC		
SNP_70709B_3317	scaffold2087	NW_004517129.1	3317	TT	CC	CC	INTERGENIC		
SNP_70710B_3448	scaffold2087	NW_004517129.1	3448	GG	AA	AA	INTERGENIC		
SNP_70711B_3560	scaffold2087	NW_004517129.1	3560	AA	GG	GG	INTERGENIC		
SNP_70712B_3565	scaffold2087	NW_004517129.1	3565	AA	TT	TT	INTERGENIC		
SNP_70713B_3585	scaffold2087	NW_004517129.1	3585	AA	GG	GG	INTERGENIC		
SNP_70714B_3652	scaffold2087	NW_004517129.1	3652	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70715B_3768	scaffold2087	NW_004517129.1	3768	TT	CC	CC	INTERGENIC		
SNP_70716B_444	scaffold2089	NW_004517131.1	444	AA	CC	CC	INTERGENIC		
SNP_70717B_526	scaffold2089	NW_004517131.1	526	TT	GG	GG	INTERGENIC		
SNP_70718B_736	scaffold2089	NW_004517131.1	736	AA	GG	GG	INTERGENIC		
SNP_70719B_899	scaffold2089	NW_004517131.1	899	AA	GG	GG	INTERGENIC		
SNP_70720B_920	scaffold2089	NW_004517131.1	920	AA	TT	TT	INTERGENIC		
SNP_70721B_947	scaffold2089	NW_004517131.1	947	GG	TT	TT	INTERGENIC		
SNP_70722B_953	scaffold2089	NW_004517131.1	953	CC	GG	GG	INTERGENIC		
SNP_70723B_958	scaffold2089	NW_004517131.1	958	GG	AA	AA	INTERGENIC		
SNP_70724B_1077	scaffold2089	NW_004517131.1	1077	TT	GG	GG	INTERGENIC		
SNP_70726B_5545	scaffold2089	NW_004517131.1	5545	TT	CC	CC	INTERGENIC		
SNP_70727B_5547	scaffold2089	NW_004517131.1	5547	AA	TT	TT	INTERGENIC		
SNP_70728B_6467	scaffold2089	NW_004517131.1	6467	AA	TT	TT	INTERGENIC		
SNP_70729B_6474	scaffold2089	NW_004517131.1	6474	AA	CC	CC	INTERGENIC		
SNP_70730B_6535	scaffold2089	NW_004517131.1	6535	GG	TT	TT	INTERGENIC		
SNP_70731B_7439	scaffold2095	NW_004517134.1	7439	TT	CC	CC	INTRON	101507075	Unknown function
SNP_70732B_7596	scaffold2095	NW_004517134.1	7596	AA	TT	TT	INTRON	101507075	Unknown function
SNP_70733B_2011	scaffold2096	NW_004517135.1	2011	CC	TT	TT	INTERGENIC		
SNP_70734B_2077	scaffold2096	NW_004517135.1	2077	TT	CC	CC	INTERGENIC		
SNP_70735B_4554	scaffold2097	NW_004517136.1	4554	CC	AA	AA	INTERGENIC		
SNP_70737B_5025	scaffold2097	NW_004517136.1	5025	TT	CC	CC	INTERGENIC		
SNP_70738B_6563	scaffold2097	NW_004517136.1	6563	TT	CC	CC	INTERGENIC		
SNP_70739B_20767	scaffold2097	NW_004517136.1	20767	AA	CC	CC	INTERGENIC		
SNP_70740B_29520	scaffold2097	NW_004517136.1	29520	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70741B_31601	scaffold2097	NW_004517136.1	31601	TT	CC	CC	INTERGENIC		
SNP_70742B_31731	scaffold2097	NW_004517136.1	31731	CC	TT	TT	INTERGENIC		
SNP_70743B_31751	scaffold2097	NW_004517136.1	31751	AA	GG	GG	INTERGENIC		
SNP_70744B_31784	scaffold2097	NW_004517136.1	31784	TT	GG	GG	INTERGENIC		
SNP_70745B_4769	scaffold2103	NW_004517140.1	4769	GG	CC	CC	INTERGENIC		
SNP_70746B_42697	scaffold2103	NW_004517140.1	42697	TT	CC	CC	INTERGENIC		
SNP_70747B_52448	scaffold2103	NW_004517140.1	52448	CC	GG	GG	INTERGENIC		
SNP_70748B_118766	scaffold2103	NW_004517140.1	118766	TT	CC	CC	INTERGENIC		
SNP_70749B_118774	scaffold2103	NW_004517140.1	118774	TT	CC	CC	INTERGENIC		
SNP_70750B_118810	scaffold2103	NW_004517140.1	118810	TT	GG	GG	INTERGENIC		
SNP_70751B_119363	scaffold2103	NW_004517140.1	119363	GG	AA	AA	INTERGENIC		
SNP_70752B_119364	scaffold2103	NW_004517140.1	119364	CC	AA	AA	INTERGENIC		
SNP_70753B_119375	scaffold2103	NW_004517140.1	119375	TT	GG	GG	INTERGENIC		
SNP_70754B_119388	scaffold2103	NW_004517140.1	119388	GG	AA	AA	INTERGENIC		
SNP_70755B_119390	scaffold2103	NW_004517140.1	119390	TT	CC	CC	INTERGENIC		
SNP_70756B_119399	scaffold2103	NW_004517140.1	119399	TT	AA	AA	INTERGENIC		
SNP_70757B_119417	scaffold2103	NW_004517140.1	119417	AA	GG	GG	INTERGENIC		
SNP_70758B_119424	scaffold2103	NW_004517140.1	119424	AA	GG	GG	INTERGENIC		
SNP_70759B_123875	scaffold2103	NW_004517140.1	123875	CC	GG	GG	INTERGENIC		
SNP_70760B_123948	scaffold2103	NW_004517140.1	123948	GG	AA	AA	INTERGENIC		
SNP_70761B_124005	scaffold2103	NW_004517140.1	124005	AA	GG	GG	INTERGENIC		
SNP_70762B_124013	scaffold2103	NW_004517140.1	124013	GG	AA	AA	INTERGENIC		
SNP_70763B_124049	scaffold2103	NW_004517140.1	124049	GG	TT	TT	INTERGENIC		
SNP_70765B_124064	scaffold2103	NW_004517140.1	124064	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70766B_124074	scaffold2103	NW_004517140.1	124074	GG	AA	AA	INTERGENIC		
SNP_70768B_124165	scaffold2103	NW_004517140.1	124165	TT	CC	CC	INTERGENIC		
SNP_70769B_134269	scaffold2103	NW_004517140.1	134269	CC	TT	TT	INTERGENIC		
SNP_70770B_135627	scaffold2103	NW_004517140.1	135627	GG	TT	TT	INTERGENIC		
SNP_70771B_135804	scaffold2103	NW_004517140.1	135804	GG	AA	AA	INTERGENIC		
SNP_70772B_135816	scaffold2103	NW_004517140.1	135816	GG	TT	TT	INTERGENIC		
SNP_70773B_135826	scaffold2103	NW_004517140.1	135826	TT	CC	CC	INTERGENIC		
SNP_70774B_135837	scaffold2103	NW_004517140.1	135837	AA	GG	GG	INTERGENIC		
SNP_70776B_4568	scaffold2104	NW_004517141.1	4568	GG	AA	AA	URR	101510256	uncharacterized LOC101510256
SNP_70777B_5479	scaffold2104	NW_004517141.1	5479	TT	GG	GG	URR	101510256	uncharacterized LOC101510256
SNP_70778B_5637	scaffold2104	NW_004517141.1	5637	CC	GG	GG	INTERGENIC		
SNP_70779B_5719	scaffold2104	NW_004517141.1	5719	CC	GG	GG	INTERGENIC		
SNP_70780B_6003	scaffold2104	NW_004517141.1	6003	CC	TT	TT	INTERGENIC		
SNP_70781B_6404	scaffold2104	NW_004517141.1	6404	GG	TT	TT	INTERGENIC		
SNP_70782B_9443	scaffold2104	NW_004517141.1	9443	CC	TT	TT	INTERGENIC		
SNP_70783B_9444	scaffold2104	NW_004517141.1	9444	CC	AA	AA	INTERGENIC		
SNP_70784B_17230	scaffold2104	NW_004517141.1	17230	TT	CC	CC	INTERGENIC		
SNP_70785B_18009	scaffold2104	NW_004517141.1	18009	AA	GG	GG	INTERGENIC		
SNP_70786B_18267	scaffold2104	NW_004517141.1	18267	AA	GG	GG	INTERGENIC		
SNP_70787B_18407	scaffold2104	NW_004517141.1	18407	CC	TT	TT	INTERGENIC		
SNP_70788B_25388	scaffold2104	NW_004517141.1	25388	CC	TT	AA	INTERGENIC		
SNP_70789B_35716	scaffold2104	NW_004517141.1	35716	TT	GG	GG	INTERGENIC		
SNP_70790B_60568	scaffold2104	NW_004517141.1	60568	AA	GG	GG	INTERGENIC		
SNP_70791B_60899	scaffold2104	NW_004517141.1	60899	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70792B_61003	scaffold2104	NW_004517141.1	61003	AA	GG	GG	INTERGENIC		
SNP_70793B_278	scaffold2106	NW_004517143.1	278	TT	CC	CC	INTERGENIC		
SNP_70794B_286	scaffold2106	NW_004517143.1	286	AA	GG	GG	INTERGENIC		
SNP_70795B_586	scaffold2106	NW_004517143.1	586	TT	AA	AA	INTERGENIC		
SNP_70796B_689	scaffold2106	NW_004517143.1	689	AA	GG	GG	INTERGENIC		
SNP_70797B_1465	scaffold2108	NW_004517144.1	1465	CC	TT	TT	INTERGENIC		
SNP_70798B_1880	scaffold2108	NW_004517144.1	1880	CC	TT	TT	INTERGENIC		
SNP_70799B_1902	scaffold2108	NW_004517144.1	1902	CC	AA	AA	INTERGENIC		
SNP_70800B_3001	scaffold2108	NW_004517144.1	3001	AA	CC	CC	INTERGENIC		
SNP_70801B_4024	scaffold2113	NW_004517146.1	4024	AA	CC	CC	INTERGENIC		
SNP_70802B_4270	scaffold2113	NW_004517146.1	4270	TT	AA	AA	INTERGENIC		
SNP_70803B_5296	scaffold2124	NW_004517153.1	5296	TT	AA	AA	INTERGENIC		
SNP_70804B_11246	scaffold2124	NW_004517153.1	11246	AA	TT	TT	INTERGENIC		
SNP_70805B_35226	scaffold2124	NW_004517153.1	35226	AA	GG	GG	INTERGENIC		
SNP_70806B_14739	scaffold2125	NW_004517154.1	14739	AA	GG	GG	INTERGENIC		
SNP_70807B_14809	scaffold2125	NW_004517154.1	14809	TT	AA	AA	INTERGENIC		
SNP_70810B_5425	scaffold2126	NW_004517155.1	5425	AA	GG	GG	INTERGENIC		
SNP_70811B_5429	scaffold2126	NW_004517155.1	5429	GG	AA	AA	INTERGENIC		
SNP_70812B_5433	scaffold2126	NW_004517155.1	5433	AA	TT	TT	INTERGENIC		
SNP_70813B_5474	scaffold2126	NW_004517155.1	5474	TT	AA	AA	INTERGENIC		
SNP_70814B_6069	scaffold2126	NW_004517155.1	6069	AA	GG	GG	INTERGENIC		
SNP_70815B_8903	scaffold2126	NW_004517155.1	8903	TT	CC	CC	INTERGENIC		
SNP_70816B_9498	scaffold2126	NW_004517155.1	9498	GG	AA	AA	INTERGENIC		
SNP_70817B_11000	scaffold2126	NW_004517155.1	11000	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70818B_13808	scaffold2126	NW_004517155.1	13808	AA	GG	GG	INTERGENIC		
SNP_70819B_14168	scaffold2126	NW_004517155.1	14168	TT	AA	AA	INTERGENIC		
SNP_70820B_14180	scaffold2126	NW_004517155.1	14180	GG	CC	CC	INTERGENIC		
SNP_70821B_14185	scaffold2126	NW_004517155.1	14185	AA	TT	TT	INTERGENIC		
SNP_70823B_9925	scaffold2127	NW_004517156.1	9925	AA	GG	GG	INTERGENIC		
SNP_70825B_14289	scaffold2128	NW_004517157.1	14289	CC	TT	TT	INTERGENIC		
SNP_70826B_14311	scaffold2128	NW_004517157.1	14311	TT	CC	CC	INTERGENIC		
SNP_70827B_14879	scaffold2128	NW_004517157.1	14879	CC	TT	TT	INTERGENIC		
SNP_70828B_15025	scaffold2128	NW_004517157.1	15025	GG	AA	AA	INTERGENIC		
SNP_70829B_779	scaffold2131	NW_004517159.1	779	GG	AA	AA	INTERGENIC		
SNP_70831B_1037	scaffold2132	NW_004517160.1	1037	TT	GG	GG	INTERGENIC		
SNP_70832B_1042	scaffold2132	NW_004517160.1	1042	TT	AA	AA	INTERGENIC		
SNP_70833B_1342	scaffold2132	NW_004517160.1	1342	TT	AA	AA	INTERGENIC		
SNP_70834B_3812	scaffold2134	NW_004517162.1	3812	AA	CC	CC	INTERGENIC		
SNP_70835B_3877	scaffold2134	NW_004517162.1	3877	AA	CC	CC	INTERGENIC		
SNP_70836B_3880	scaffold2134	NW_004517162.1	3880	TT	AA	AA	INTERGENIC		
SNP_70837B_3881	scaffold2134	NW_004517162.1	3881	AA	TT	TT	INTERGENIC		
SNP_70838B_4134	scaffold2134	NW_004517162.1	4134	TT	CC	CC	INTERGENIC		
SNP_70839B_4195	scaffold2134	NW_004517162.1	4195	AA	CC	CC	INTERGENIC		
SNP_70840B_5294	scaffold2134	NW_004517162.1	5294	CC	GG	GG	INTERGENIC		
SNP_70841B_5364	scaffold2134	NW_004517162.1	5364	TT	CC	CC	INTERGENIC		
SNP_70843B_5541	scaffold2134	NW_004517162.1	5541	GG	AA	AA	INTERGENIC		
SNP_70844B_5686	scaffold2134	NW_004517162.1	5686	CC	TT	TT	INTERGENIC		
SNP_70845B_5764	scaffold2134	NW_004517162.1	5764	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70846B_5783	scaffold2134	NW_004517162.1	5783	TT	CC	CC	INTERGENIC		
SNP_70847B_5802	scaffold2134	NW_004517162.1	5802	CC	TT	TT	INTERGENIC		
SNP_70848B_5821	scaffold2134	NW_004517162.1	5821	CC	TT	TT	INTERGENIC		
SNP_70849B_5830	scaffold2134	NW_004517162.1	5830	TT	CC	CC	INTERGENIC		
SNP_70850B_7275	scaffold2135	NW_004517163.1	7275	TT	CC	CC	INTERGENIC		
SNP_70851B_7279	scaffold2135	NW_004517163.1	7279	TT	CC	CC	INTERGENIC		
SNP_70852B_7305	scaffold2135	NW_004517163.1	7305	CC	AA	AA	INTERGENIC		
SNP_70853B_7337	scaffold2135	NW_004517163.1	7337	TT	CC	CC	INTERGENIC		
SNP_70854B_148	scaffold2138	NW_004517164.1	148	AA	GG	GG	INTERGENIC		
SNP_70855B_375	scaffold2138	NW_004517164.1	375	AA	CC	CC	INTERGENIC		
SNP_70856B_359	scaffold2140	NW_004517166.1	359	AA	GG	GG	INTERGENIC		
SNP_70857B_550	scaffold2140	NW_004517166.1	550	TT	CC	CC	INTERGENIC		
SNP_70858B_563	scaffold2140	NW_004517166.1	563	AA	TT	TT	INTERGENIC		
SNP_70859B_724	scaffold2140	NW_004517166.1	724	TT	GG	GG	INTERGENIC		
SNP_70860B_910	scaffold2140	NW_004517166.1	910	AA	GG	GG	INTERGENIC		
SNP_70861B_14963	scaffold2141	NW_004517167.1	14963	CC	GG	GG	URR	101511546	Unknown function
SNP_70862B_15238	scaffold2141	NW_004517167.1	15238	TT	CC	CC	URR	101511546	Unknown function
SNP_70863B_15416	scaffold2141	NW_004517167.1	15416	GG	AA	AA	URR	101511546	Unknown function
SNP_70864B_16705	scaffold2141	NW_004517167.1	16705	GG	TT	TT	INTERGENIC		
SNP_70865B_17926	scaffold2141	NW_004517167.1	17926	GG	AA	AA	INTERGENIC		
SNP_70867B_19662	scaffold2141	NW_004517167.1	19662	GG	AA	AA	INTERGENIC		
SNP_70868B_558	scaffold2142	NW_004517168.1	558	TT	CC	CC	INTERGENIC		
SNP_70869B_588	scaffold2142	NW_004517168.1	588	GG	AA	AA	INTERGENIC		
SNP_70870B_699	scaffold2142	NW_004517168.1	699	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70871B_504	scaffold2146	NW_004517170.1	504	TT	AA	AA	INTERGENIC		
SNP_70872B_1167	scaffold2146	NW_004517170.1	1167	CC	TT	TT	INTERGENIC		
SNP_70873B_908	scaffold2147	NW_004517171.1	908	TT	AA	AA	INTERGENIC		
SNP_70874B_960	scaffold2147	NW_004517171.1	960	TT	CC	CC	INTERGENIC		
SNP_70875B_961	scaffold2147	NW_004517171.1	961	GG	TT	TT	INTERGENIC		
SNP_70876B_965	scaffold2147	NW_004517171.1	965	AA	GG	GG	INTERGENIC		
SNP_70877B_982	scaffold2147	NW_004517171.1	982	AA	GG	GG	INTERGENIC		
SNP_70878B_1062	scaffold2147	NW_004517171.1	1062	GG	TT	TT	INTERGENIC		
SNP_70879B_5252	scaffold2147	NW_004517171.1	5252	TT	CC	CC	INTERGENIC		
SNP_70880B_5353	scaffold2147	NW_004517171.1	5353	TT	GG	GG	INTERGENIC		
SNP_70881B_6113	scaffold2147	NW_004517171.1	6113	AA	CC	CC	INTERGENIC		
SNP_70882B_21438	scaffold2147	NW_004517171.1	21438	GG	AA	AA	INTERGENIC		
SNP_70883B_21489	scaffold2147	NW_004517171.1	21489	GG	AA	AA	INTERGENIC		
SNP_70884B_22514	scaffold2147	NW_004517171.1	22514	CC	AA	AA	INTERGENIC		
SNP_70885B_22689	scaffold2147	NW_004517171.1	22689	GG	TT	TT	INTERGENIC		
SNP_70886B_22692	scaffold2147	NW_004517171.1	22692	GG	AA	AA	INTERGENIC		
SNP_70887B_22914	scaffold2147	NW_004517171.1	22914	AA	CC	CC	INTERGENIC		
SNP_70888B_22931	scaffold2147	NW_004517171.1	22931	CC	GG	GG	INTERGENIC		
SNP_70889B_23471	scaffold2147	NW_004517171.1	23471	AA	TT	TT	INTERGENIC		
SNP_70890B_23625	scaffold2147	NW_004517171.1	23625	AA	TT	TT	INTERGENIC		
SNP_70892B_24520	scaffold2147	NW_004517171.1	24520	TT	GG	GG	INTERGENIC		
SNP_70893B_24783	scaffold2147	NW_004517171.1	24783	TT	CC	CC	INTERGENIC		
SNP_70894B_24907	scaffold2147	NW_004517171.1	24907	AA	TT	TT	INTERGENIC		
SNP_70895B_25005	scaffold2147	NW_004517171.1	25005	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70896B_856	scaffold2151	NW_004517174.1	856	TT	CC	CC	INTERGENIC		
SNP_70897B_1219	scaffold2151	NW_004517174.1	1219	AA	GG	GG	INTERGENIC		
SNP_70898B_20987	scaffold2152	NW_004517175.1	20987	GG	CC	CC	URR	101514899	DNA damage-binding protein 1-like
SNP_70899B_21213	scaffold2152	NW_004517175.1	21213	CC	TT	TT	URR	101514899	DNA damage-binding protein 1-like
SNP_70900B_21274	scaffold2152	NW_004517175.1	21274	GG	CC	CC	URR	101514899	DNA damage-binding protein 1-like
SNP_70901B_21432	scaffold2152	NW_004517175.1	21432	GG	AA	AA	URR	101514899	DNA damage-binding protein 1-like
SNP_70902B_21460	scaffold2152	NW_004517175.1	21460	AA	CC	CC	URR	101514899	DNA damage-binding protein 1-like
SNP_70903B_22146	scaffold2152	NW_004517175.1	22146	GG	TT	TT	URR	101514899	DNA damage-binding protein 1-like
SNP_70904B_34119	scaffold2152	NW_004517175.1	34119	AA	CC	CC	INTERGENIC		
SNP_70905B_41828	scaffold2152	NW_004517175.1	41828	GG	AA	AA	INTERGENIC		
SNP_70906B_41854	scaffold2152	NW_004517175.1	41854	AA	TT	TT	INTERGENIC		
SNP_70907B_41855	scaffold2152	NW_004517175.1	41855	CC	TT	TT	INTERGENIC		
SNP_70908B_41863	scaffold2152	NW_004517175.1	41863	AA	GG	GG	INTERGENIC		
SNP_70909B_41875	scaffold2152	NW_004517175.1	41875	TT	AA	AA	INTERGENIC		
SNP_70910B_41876	scaffold2152	NW_004517175.1	41876	AA	TT	TT	INTERGENIC		
SNP_70911B_41880	scaffold2152	NW_004517175.1	41880	AA	CC	CC	INTERGENIC		
SNP_70912B_41883	scaffold2152	NW_004517175.1	41883	TT	AA	AA	INTERGENIC		
SNP_70913B_41919	scaffold2152	NW_004517175.1	41919	AA	TT	TT	INTERGENIC		
SNP_70914B_41941	scaffold2152	NW_004517175.1	41941	GG	AA	AA	INTERGENIC		
SNP_70915B_42202	scaffold2152	NW_004517175.1	42202	GG	AA	AA	INTERGENIC		
SNP_70916B_42219	scaffold2152	NW_004517175.1	42219	CC	AA	AA	INTERGENIC		
SNP_70917B_42702	scaffold2152	NW_004517175.1	42702	CC	TT	TT	INTERGENIC		
SNP_70918B_43090	scaffold2152	NW_004517175.1	43090	AA	GG	GG	INTERGENIC		
SNP_70919B_51122	scaffold2152	NW_004517175.1	51122	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70920B_51126	scaffold2152	NW_004517175.1	51126	TT	GG	GG	INTERGENIC		
SNP_70921B_67746	scaffold2152	NW_004517175.1	67746	TT	GG	GG	INTERGENIC		
SNP_70922B_67775	scaffold2152	NW_004517175.1	67775	TT	CC	CC	INTERGENIC		
SNP_70923B_67781	scaffold2152	NW_004517175.1	67781	CC	TT	TT	INTERGENIC		
SNP_70924B_67786	scaffold2152	NW_004517175.1	67786	AA	GG	GG	INTERGENIC		
SNP_70927B_88697	scaffold2152	NW_004517175.1	88697	TT	CC	CC	DRR	101488626	Unknown function
SNP_70928B_88722	scaffold2152	NW_004517175.1	88722	CC	AA	AA	DRR	101488626	Unknown function
SNP_70929B_88890	scaffold2152	NW_004517175.1	88890	CC	AA	AA	DRR	101488626	Unknown function
SNP_70930B_91306	scaffold2152	NW_004517175.1	91306	AA	CC	CC	INTRON	101488626	Unknown function
SNP_70931B_95660	scaffold2152	NW_004517175.1	95660	AA	GG	GG	INTRON	101488626	Unknown function
SNP_70933B_108713	scaffold2152	NW_004517175.1	108713	GG	AA	AA	INTERGENIC		
SNP_70934B_108807	scaffold2152	NW_004517175.1	108807	CC	TT	TT	INTERGENIC		
SNP_70935B_162877	scaffold2152	NW_004517175.1	162877	TT	CC	CC	URR	101489943	Unknown function
SNP_70936B_210422	scaffold2152	NW_004517175.1	210422	AA	GG	GG	DRR	101491555	uncharacterized LOC101491555
SNP_70937B_213190	scaffold2152	NW_004517175.1	213190	CC	TT	TT	SYNONYMOUS_CODING	101491555	uncharacterized LOC101491555
SNP_70938B_281158	scaffold2152	NW_004517175.1	281158	GG	AA	AA	INTERGENIC		
SNP_70939B_283134	scaffold2152	NW_004517175.1	283134	AA	TT	TT	INTERGENIC		
SNP_70940B_283136	scaffold2152	NW_004517175.1	283136	AA	CC	CC	INTERGENIC		
SNP_70941B_283302	scaffold2152	NW_004517175.1	283302	AA	GG	GG	INTERGENIC		
SNP_70943B_283310	scaffold2152	NW_004517175.1	283310	GG	TT	TT	INTERGENIC		
SNP_70944B_283314	scaffold2152	NW_004517175.1	283314	TT	CC	CC	INTERGENIC		
SNP_70945B_324352	scaffold2152	NW_004517175.1	324352	AA	GG	GG	INTERGENIC		
SNP_70946B_324654	scaffold2152	NW_004517175.1	324654	AA	TT	TT	INTERGENIC		
SNP_70947B_324667	scaffold2152	NW_004517175.1	324667	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70948B_333266	scaffold2152	NW_004517175.1	333266	GG	AA	AA	INTERGENIC		
SNP_70949B_336657	scaffold2152	NW_004517175.1	336657	TT	CC	CC	INTERGENIC		
SNP_70951B_379695	scaffold2152	NW_004517175.1	379695	TT	CC	CC	INTERGENIC		
SNP_70952B_379932	scaffold2152	NW_004517175.1	379932	TT	GG	GG	INTERGENIC		
SNP_70953B_380096	scaffold2152	NW_004517175.1	380096	AA	GG	GG	INTERGENIC		
SNP_70956B_8210	scaffold2153	NW_004517176.1	8210	AA	GG	GG	INTERGENIC		
SNP_70957B_8250	scaffold2153	NW_004517176.1	8250	CC	TT	TT	INTERGENIC		
SNP_70958B_8570	scaffold2153	NW_004517176.1	8570	CC	TT	TT	INTERGENIC		
SNP_70959B_32554	scaffold2153	NW_004517176.1	32554	AA	GG	GG	INTERGENIC		
SNP_70960B_32879	scaffold2153	NW_004517176.1	32879	GG	AA	AA	INTERGENIC		
SNP_70961B_32901	scaffold2153	NW_004517176.1	32901	TT	CC	CC	INTERGENIC		
SNP_70962B_49828	scaffold2153	NW_004517176.1	49828	GG	TT	TT	INTERGENIC		
SNP_70963B_64	scaffold2155	NW_004517177.1	64	AA	CC	CC	INTERGENIC		
SNP_70964B_70	scaffold2155	NW_004517177.1	70	AA	CC	CC	INTERGENIC		
SNP_70965B_120	scaffold2155	NW_004517177.1	120	CC	TT	TT	INTERGENIC		
SNP_70966B_595	scaffold2155	NW_004517177.1	595	AA	TT	TT	INTERGENIC		
SNP_70967B_25725	scaffold2155	NW_004517177.1	25725	AA	TT	TT	INTERGENIC		
SNP_70968B_25904	scaffold2155	NW_004517177.1	25904	TT	CC	CC	INTERGENIC		
SNP_70969B_39384	scaffold2155	NW_004517177.1	39384	AA	TT	TT	INTERGENIC		
SNP_70970B_39508	scaffold2155	NW_004517177.1	39508	CC	AA	AA	INTERGENIC		
SNP_70971B_40388	scaffold2155	NW_004517177.1	40388	CC	AA	AA	INTERGENIC		
SNP_70972B_40408	scaffold2155	NW_004517177.1	40408	GG	AA	AA	INTERGENIC		
SNP_70973B_252	scaffold2158	NW_004517179.1	252	AA	GG	GG	INTERGENIC		
SNP_70974B_312	scaffold2158	NW_004517179.1	312	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_70975B_316	scaffold2158	NW_004517179.1	316	AA	TT	TT	INTERGENIC		
SNP_70976B_335	scaffold2158	NW_004517179.1	335	TT	CC	CC	INTERGENIC		
SNP_70977B_577	scaffold2158	NW_004517179.1	577	CC	TT	TT	INTERGENIC		
SNP_70978B_619	scaffold2158	NW_004517179.1	619	GG	TT	TT	INTERGENIC		
SNP_70979B_64441	scaffold2158	NW_004517179.1	64441	AA	GG	GG	INTERGENIC		
SNP_70980B_64514	scaffold2158	NW_004517179.1	64514	AA	GG	GG	INTERGENIC		
SNP_70981B_64623	scaffold2158	NW_004517179.1	64623	GG	TT	TT	INTERGENIC		
SNP_70982B_64624	scaffold2158	NW_004517179.1	64624	TT	GG	GG	INTERGENIC		
SNP_70983B_64691	scaffold2158	NW_004517179.1	64691	GG	TT	TT	INTERGENIC		
SNP_70984B_64776	scaffold2158	NW_004517179.1	64776	GG	AA	AA	INTERGENIC		
SNP_70985B_64810	scaffold2158	NW_004517179.1	64810	TT	CC	CC	INTERGENIC		
SNP_70986B_64848	scaffold2158	NW_004517179.1	64848	AA	CC	CC	INTERGENIC		
SNP_70989B_102692	scaffold2158	NW_004517179.1	102692	CC	GG	GG	INTERGENIC		
SNP_70990B_102695	scaffold2158	NW_004517179.1	102695	AA	GG	GG	INTERGENIC		
SNP_70991B_103757	scaffold2158	NW_004517179.1	103757	AA	GG	GG	INTERGENIC		
SNP_70992B_106105	scaffold2158	NW_004517179.1	106105	TT	GG	GG	INTERGENIC		
SNP_70993B_117066	scaffold2158	NW_004517179.1	117066	AA	GG	GG	INTERGENIC		
SNP_70994B_125131	scaffold2158	NW_004517179.1	125131	AA	GG	GG	INTERGENIC		
SNP_70995B_125403	scaffold2158	NW_004517179.1	125403	TT	AA	AA	INTERGENIC		
SNP_70996B_125726	scaffold2158	NW_004517179.1	125726	AA	GG	GG	INTERGENIC		
SNP_70997B_127238	scaffold2158	NW_004517179.1	127238	TT	GG	GG	INTERGENIC		
SNP_70998B_127266	scaffold2158	NW_004517179.1	127266	AA	CC	CC	INTERGENIC		
SNP_70999B_151694	scaffold2158	NW_004517179.1	151694	CC	AA	AA	INTERGENIC		
SNP_71000B_151701	scaffold2158	NW_004517179.1	151701	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71001B_151732	scaffold2158	NW_004517179.1	151732	AA	GG	GG	INTERGENIC		
SNP_71002B_219358	scaffold2158	NW_004517179.1	219358	TT	CC	CC	INTERGENIC		
SNP_71003B_12971	scaffold2160	NW_004517180.1	12971	GG	CC	CC	INTERGENIC		
SNP_71004B_23082	scaffold2160	NW_004517180.1	23082	TT	AA	AA	INTERGENIC		
SNP_71005B_31527	scaffold2160	NW_004517180.1	31527	GG	AA	AA	INTERGENIC		
SNP_71006B_33827	scaffold2160	NW_004517180.1	33827	GG	CC	CC	INTERGENIC		
SNP_71007B_33861	scaffold2160	NW_004517180.1	33861	AA	GG	GG	INTERGENIC		
SNP_71008B_34567	scaffold2160	NW_004517180.1	34567	AA	TT	TT	INTERGENIC		
SNP_71009B_59	scaffold2161	NW_004517181.1	59	AA	GG	GG	INTERGENIC		
SNP_71011B_64	scaffold2161	NW_004517181.1	64	AA	GG	GG	INTERGENIC		
SNP_71013B_133	scaffold2161	NW_004517181.1	133	TT	CC	CC	INTERGENIC		
SNP_71014B_7491	scaffold2161	NW_004517181.1	7491	GG	TT	TT	URR	101495329	Unknown function
SNP_71015B_8706	scaffold2161	NW_004517181.1	8706	GG	AA	AA	URR	101495329	Unknown function
SNP_71016B_14452	scaffold2161	NW_004517181.1	14452	TT	CC	CC	INTERGENIC		
SNP_71017B_58411	scaffold2161	NW_004517181.1	58411	GG	TT	TT	INTERGENIC		
SNP_71018B_58420	scaffold2161	NW_004517181.1	58420	AA	TT	TT	INTERGENIC		
SNP_71019B_58424	scaffold2161	NW_004517181.1	58424	GG	AA	AA	INTERGENIC		
SNP_71020B_58425	scaffold2161	NW_004517181.1	58425	TT	AA	AA	INTERGENIC		
SNP_71021B_58427	scaffold2161	NW_004517181.1	58427	TT	GG	GG	INTERGENIC		
SNP_71022B_104914	scaffold2161	NW_004517181.1	104914	TT	CC	CC	INTERGENIC		
SNP_71023B_106421	scaffold2161	NW_004517181.1	106421	CC	AA	AA	DRR	101495977	pectinesterase-like
SNP_71024B_106432	scaffold2161	NW_004517181.1	106432	TT	CC	CC	DRR	101495977	pectinesterase-like
SNP_71025B_106508	scaffold2161	NW_004517181.1	106508	TT	CC	CC	DRR	101495977	pectinesterase-like
SNP_71026B_106775	scaffold2161	NW_004517181.1	106775	AA	GG	GG	SYNONYMOUS_CODING	101495977	pectinesterase-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71027B_106865	scaffold2161	NW_004517181.1	106865	GG	AA	AA	SYNONYMOUS_CODING	101495977	pectinesterase-like
SNP_71028B_106882	scaffold2161	NW_004517181.1	106882	TT	CC	CC	NON_SYNONYMOUS_CODING	101495977	pectinesterase-like
SNP_71029B_107097	scaffold2161	NW_004517181.1	107097	AA	TT	TT	NON_SYNONYMOUS_CODING	101495977	pectinesterase-like
SNP_71031B_111326	scaffold2161	NW_004517181.1	111326	GG	AA	AA	INTRON	101495977	pectinesterase-like
SNP_71032B_111372	scaffold2161	NW_004517181.1	111372	AA	GG	GG	INTRON	101495977	pectinesterase-like
SNP_71033B_111673	scaffold2161	NW_004517181.1	111673	TT	CC	CC	INTRON	101495977	pectinesterase-like
SNP_71034B_128537	scaffold2161	NW_004517181.1	128537	TT	AA	AA	INTRON	101495977	pectinesterase-like
SNP_71035B_128965	scaffold2161	NW_004517181.1	128965	TT	CC	CC	NON_SYNONYMOUS_CODING	101495977	pectinesterase-like
SNP_71036B_128975	scaffold2161	NW_004517181.1	128975	AA	GG	GG	SYNONYMOUS_CODING	101495977	pectinesterase-like
SNP_71037B_196631	scaffold2161	NW_004517181.1	196631	AA	GG	GG	INTERGENIC		
SNP_71038B_197728	scaffold2161	NW_004517181.1	197728	AA	CC	CC	INTERGENIC		
SNP_71039B_224990	scaffold2161	NW_004517181.1	224990	TT	CC	CC	INTERGENIC		
SNP_71040B_249647	scaffold2161	NW_004517181.1	249647	AA	TT	TT	INTERGENIC		
SNP_71042B_281145	scaffold2161	NW_004517181.1	281145	CC	TT	TT	INTERGENIC		
SNP_71043B_8126	scaffold2163	NW_004517182.1	8126	TT	AA	AA	INTERGENIC		
SNP_71044B_51029	scaffold2163	NW_004517182.1	51029	TT	AA	AA	INTERGENIC		
SNP_71045B_57118	scaffold2163	NW_004517182.1	57118	TT	AA	AA	INTERGENIC		
SNP_71046B_58596	scaffold2163	NW_004517182.1	58596	GG	TT	TT	INTERGENIC		
SNP_71047B_69690	scaffold2163	NW_004517182.1	69690	AA	TT	TT	INTERGENIC		
SNP_71048B_69706	scaffold2163	NW_004517182.1	69706	TT	GG	GG	INTERGENIC		
SNP_71049B_71434	scaffold2163	NW_004517182.1	71434	CC	AA	AA	INTERGENIC		
SNP_71050B_71469	scaffold2163	NW_004517182.1	71469	TT	AA	AA	INTERGENIC		
SNP_71052B_71491	scaffold2163	NW_004517182.1	71491	TT	GG	GG	INTERGENIC		
SNP_71053B_71550	scaffold2163	NW_004517182.1	71550	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71054B_71570	scaffold2163	NW_004517182.1	71570	AA	TT	TT	INTERGENIC		
SNP_71055B_78165	scaffold2163	NW_004517182.1	78165	GG	AA	AA	INTERGENIC		
SNP_71056B_78336	scaffold2163	NW_004517182.1	78336	TT	AA	AA	INTERGENIC		
SNP_71057B_78497	scaffold2163	NW_004517182.1	78497	TT	CC	CC	INTERGENIC		
SNP_71058B_78498	scaffold2163	NW_004517182.1	78498	AA	GG	GG	INTERGENIC		
SNP_71059B_78546	scaffold2163	NW_004517182.1	78546	TT	GG	GG	INTERGENIC		
SNP_71060B_78589	scaffold2163	NW_004517182.1	78589	AA	TT	TT	INTERGENIC		
SNP_71061B_4847	scaffold2164	NW_004517183.1	4847	TT	CC	CC	INTERGENIC		
SNP_71062B_23427	scaffold2164	NW_004517183.1	23427	TT	AA	AA	INTERGENIC		
SNP_71063B_29503	scaffold2164	NW_004517183.1	29503	AA	GG	GG	INTERGENIC		
SNP_71064B_38915	scaffold2164	NW_004517183.1	38915	TT	CC	CC	INTERGENIC		
SNP_71065B_38962	scaffold2164	NW_004517183.1	38962	TT	GG	GG	INTERGENIC		
SNP_71066B_59047	scaffold2164	NW_004517183.1	59047	GG	AA	AA	INTERGENIC		
SNP_71067B_62887	scaffold2164	NW_004517183.1	62887	AA	CC	CC	INTERGENIC		
SNP_71068B_63018	scaffold2164	NW_004517183.1	63018	AA	GG	GG	INTERGENIC		
SNP_71069B_65796	scaffold2164	NW_004517183.1	65796	CC	TT	TT	INTERGENIC		
SNP_71070B_70312	scaffold2164	NW_004517183.1	70312	CC	TT	TT	INTERGENIC		
SNP_71071B_71575	scaffold2164	NW_004517183.1	71575	TT	AA	AA	INTERGENIC		
SNP_71072B_71609	scaffold2164	NW_004517183.1	71609	TT	AA	AA	INTERGENIC		
SNP_71073B_71752	scaffold2164	NW_004517183.1	71752	GG	AA	AA	INTERGENIC		
SNP_71074B_90497	scaffold2164	NW_004517183.1	90497	AA	CC	CC	INTERGENIC		
SNP_71075B_770	scaffold2166	NW_004517184.1	770	TT	CC	CC	INTERGENIC		
SNP_71076B_792	scaffold2166	NW_004517184.1	792	AA	GG	GG	INTERGENIC		
SNP_71077B_20017	scaffold2166	NW_004517184.1	20017	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71078B_39729	scaffold2166	NW_004517184.1	39729	GG	AA	AA	INTERGENIC		
SNP_71079B_39743	scaffold2166	NW_004517184.1	39743	TT	CC	CC	INTERGENIC		
SNP_71081B_140438	scaffold2166	NW_004517184.1	140438	CC	TT	TT	INTERGENIC		
SNP_71082B_156911	scaffold2166	NW_004517184.1	156911	GG	TT	TT	INTERGENIC		
SNP_71085B_12761	scaffold2168	NW_004517185.1	12761	AA	TT	TT	INTERGENIC		
SNP_71086B_12841	scaffold2168	NW_004517185.1	12841	CC	AA	AA	INTERGENIC		
SNP_71087B_13132	scaffold2168	NW_004517185.1	13132	AA	CC	CC	INTERGENIC		
SNP_71088B_13143	scaffold2168	NW_004517185.1	13143	AA	TT	TT	INTERGENIC		
SNP_71089B_13188	scaffold2168	NW_004517185.1	13188	GG	AA	AA	INTERGENIC		
SNP_71090B_13206	scaffold2168	NW_004517185.1	13206	AA	GG	GG	INTERGENIC		
SNP_71091B_15864	scaffold2168	NW_004517185.1	15864	CC	TT	TT	INTERGENIC		
SNP_71092B_2727	scaffold2170	NW_004517187.1	2727	TT	CC	CC	INTERGENIC		
SNP_71093B_2919	scaffold2170	NW_004517187.1	2919	CC	GG	GG	INTERGENIC		
SNP_71094B_3185	scaffold2170	NW_004517187.1	3185	CC	TT	TT	INTERGENIC		
SNP_71095B_3187	scaffold2170	NW_004517187.1	3187	CC	TT	TT	INTERGENIC		
SNP_71096B_3249	scaffold2170	NW_004517187.1	3249	GG	AA	AA	INTERGENIC		
SNP_71097B_3307	scaffold2170	NW_004517187.1	3307	GG	AA	AA	INTERGENIC		
SNP_71098B_3349	scaffold2170	NW_004517187.1	3349	AA	GG	GG	INTERGENIC		
SNP_71099B_3512	scaffold2170	NW_004517187.1	3512	AA	GG	GG	INTERGENIC		
SNP_71100B_3579	scaffold2170	NW_004517187.1	3579	GG	AA	AA	INTERGENIC		
SNP_71101B_3817	scaffold2170	NW_004517187.1	3817	GG	AA	AA	DRR	101503191	tripeptidyl-peptidase 2-like
SNP_71102B_4279	scaffold2170	NW_004517187.1	4279	CC	GG	GG	DRR	101503191	tripeptidyl-peptidase 2-like
SNP_71103B_4498	scaffold2170	NW_004517187.1	4498	GG	AA	AA	DRR	101503191	tripeptidyl-peptidase 2-like
SNP_71104B_4672	scaffold2170	NW_004517187.1	4672	GG	CC	CC	DRR	101503191	tripeptidyl-peptidase 2-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71105B_4761	scaffold2170	NW_004517187.1	4761	GG	AA	AA	INTERGENIC		
SNP_71108B_5536	scaffold2170	NW_004517187.1	5536	GG	TT	TT	INTRON	101503191	tripeptidyl-peptidase 2-like
SNP_71109B_6265	scaffold2170	NW_004517187.1	6265	TT	CC	CC	NON_SYNONYMOUS_CODING	101503191	tripeptidyl-peptidase 2-like
SNP_71110B_6409	scaffold2170	NW_004517187.1	6409	TT	GG	GG	INTRON	101503191	tripeptidyl-peptidase 2-like
SNP_71111B_6558	scaffold2170	NW_004517187.1	6558	GG	AA	AA	INTRON	101503191	tripeptidyl-peptidase 2-like
SNP_71112B_6593	scaffold2170	NW_004517187.1	6593	AA	GG	GG	INTRON	101503191	tripeptidyl-peptidase 2-like
SNP_71113B_6597	scaffold2170	NW_004517187.1	6597	GG	CC	CC	INTRON	101503191	tripeptidyl-peptidase 2-like
SNP_71114B_6599	scaffold2170	NW_004517187.1	6599	AA	GG	GG	INTRON	101503191	tripeptidyl-peptidase 2-like
SNP_71115B_6653	scaffold2170	NW_004517187.1	6653	AA	GG	GG	INTRON	101503191	tripeptidyl-peptidase 2-like
SNP_71117B_6929	scaffold2170	NW_004517187.1	6929	AA	GG	GG	INTRON	101503191	tripeptidyl-peptidase 2-like
SNP_71118B_7055	scaffold2170	NW_004517187.1	7055	GG	TT	TT	INTRON	101503191	tripeptidyl-peptidase 2-like
SNP_71119B_7161	scaffold2170	NW_004517187.1	7161	AA	GG	GG	INTRON	101503191	tripeptidyl-peptidase 2-like
SNP_71120B_7287	scaffold2170	NW_004517187.1	7287	AA	GG	GG	INTRON	101503191	tripeptidyl-peptidase 2-like
SNP_71121B_7475	scaffold2170	NW_004517187.1	7475	CC	AA	AA	INTRON	101503191	tripeptidyl-peptidase 2-like
SNP_71122B_7529	scaffold2170	NW_004517187.1	7529	CC	TT	TT	INTRON	101503191	tripeptidyl-peptidase 2-like
SNP_71123B_7691	scaffold2170	NW_004517187.1	7691	CC	TT	TT	INTRON	101503191	tripeptidyl-peptidase 2-like
SNP_71124B_9667	scaffold2170	NW_004517187.1	9667	TT	AA	AA	INTRON	101503191	tripeptidyl-peptidase 2-like
SNP_71125B_11824	scaffold2170	NW_004517187.1	11824	CC	TT	TT	INTRON	101503191	tripeptidyl-peptidase 2-like
SNP_71127B_12356	scaffold2170	NW_004517187.1	12356	AA	GG	GG	INTRON	101503191	tripeptidyl-peptidase 2-like
SNP_71128B_12433	scaffold2170	NW_004517187.1	12433	CC	TT	TT	INTRON	101503191	tripeptidyl-peptidase 2-like
SNP_71129B_12658	scaffold2170	NW_004517187.1	12658	TT	AA	AA	INTRON	101503191	tripeptidyl-peptidase 2-like
SNP_71130B_13232	scaffold2170	NW_004517187.1	13232	AA	GG	GG	INTRON	101503191	tripeptidyl-peptidase 2-like
SNP_71131B_14090	scaffold2170	NW_004517187.1	14090	CC	TT	TT	INTRON	101503191	tripeptidyl-peptidase 2-like
SNP_71133B_14545	scaffold2170	NW_004517187.1	14545	GG	AA	AA	INTRON	101503191	tripeptidyl-peptidase 2-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71134B_37914	scaffold2170	NW_004517187.1	37914	CC	TT	TT	URR	101505437	Unknown function
SNP_71135B_1847	scaffold2173	NW_004517189.1	1847	GG	TT	TT	INTERGENIC		
SNP_71136B_2257	scaffold2173	NW_004517189.1	2257	AA	GG	GG	INTERGENIC		
SNP_71137B_2298	scaffold2173	NW_004517189.1	2298	CC	AA	AA	INTERGENIC		
SNP_71138B_2301	scaffold2173	NW_004517189.1	2301	GG	AA	AA	INTERGENIC		
SNP_71139B_6787	scaffold2173	NW_004517189.1	6787	CC	TT	TT	INTERGENIC		
SNP_71140B_6924	scaffold2173	NW_004517189.1	6924	CC	GG	GG	INTERGENIC		
SNP_71141B_7008	scaffold2173	NW_004517189.1	7008	AA	TT	TT	INTERGENIC		
SNP_71142B_7024	scaffold2173	NW_004517189.1	7024	CC	TT	TT	INTERGENIC		
SNP_71143B_7077	scaffold2173	NW_004517189.1	7077	AA	TT	TT	INTERGENIC		
SNP_71144B_7116	scaffold2173	NW_004517189.1	7116	CC	GG	GG	INTERGENIC		
SNP_71145B_7157	scaffold2173	NW_004517189.1	7157	AA	CC	CC	INTERGENIC		
SNP_71146B_7290	scaffold2173	NW_004517189.1	7290	AA	TT	TT	INTERGENIC		
SNP_71147B_10663	scaffold2173	NW_004517189.1	10663	GG	CC	CC	INTERGENIC		
SNP_71148B_10670	scaffold2173	NW_004517189.1	10670	AA	GG	GG	INTERGENIC		
SNP_71149B_10716	scaffold2173	NW_004517189.1	10716	GG	CC	CC	INTERGENIC		
SNP_71150B_10765	scaffold2173	NW_004517189.1	10765	AA	TT	TT	INTERGENIC		
SNP_71151B_15863	scaffold2173	NW_004517189.1	15863	GG	TT	TT	INTERGENIC		
SNP_71152B_18368	scaffold2173	NW_004517189.1	18368	AA	GG	GG	INTERGENIC		
SNP_71153B_18377	scaffold2173	NW_004517189.1	18377	AA	GG	GG	INTERGENIC		
SNP_71154B_18383	scaffold2173	NW_004517189.1	18383	GG	AA	AA	INTERGENIC		
SNP_71155B_18397	scaffold2173	NW_004517189.1	18397	GG	TT	TT	INTERGENIC		
SNP_71156B_18406	scaffold2173	NW_004517189.1	18406	GG	AA	AA	INTERGENIC		
SNP_71157B_18460	scaffold2173	NW_004517189.1	18460	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71158B_18490	scaffold2173	NW_004517189.1	18490	CC	TT	TT	INTERGENIC		
SNP_71159B_18529	scaffold2173	NW_004517189.1	18529	GG	CC	CC	INTERGENIC		
SNP_71160B_18585	scaffold2173	NW_004517189.1	18585	GG	CC	CC	INTERGENIC		
SNP_71161B_18603	scaffold2173	NW_004517189.1	18603	CC	AA	AA	INTERGENIC		
SNP_71162B_18875	scaffold2173	NW_004517189.1	18875	TT	CC	CC	INTERGENIC		
SNP_71163B_18941	scaffold2173	NW_004517189.1	18941	CC	GG	GG	INTERGENIC		
SNP_71164B_19112	scaffold2173	NW_004517189.1	19112	CC	GG	GG	INTERGENIC		
SNP_71165B_19130	scaffold2173	NW_004517189.1	19130	AA	GG	GG	INTERGENIC		
SNP_71166B_19254	scaffold2173	NW_004517189.1	19254	AA	GG	GG	INTERGENIC		
SNP_71167B_19273	scaffold2173	NW_004517189.1	19273	GG	CC	CC	INTERGENIC		
SNP_71168B_19284	scaffold2173	NW_004517189.1	19284	TT	CC	CC	INTERGENIC		
SNP_71169B_19597	scaffold2173	NW_004517189.1	19597	GG	CC	CC	INTERGENIC		
SNP_71171B_19633	scaffold2173	NW_004517189.1	19633	TT	AA	AA	INTERGENIC		
SNP_71172B_19731	scaffold2173	NW_004517189.1	19731	AA	GG	GG	INTERGENIC		
SNP_71173B_19749	scaffold2173	NW_004517189.1	19749	AA	TT	TT	INTERGENIC		
SNP_71174B_19754	scaffold2173	NW_004517189.1	19754	AA	TT	TT	INTERGENIC		
SNP_71175B_19763	scaffold2173	NW_004517189.1	19763	AA	GG	GG	INTERGENIC		
SNP_71176B_19816	scaffold2173	NW_004517189.1	19816	TT	AA	AA	INTERGENIC		
SNP_71177B_19817	scaffold2173	NW_004517189.1	19817	TT	GG	GG	INTERGENIC		
SNP_71179B_19918	scaffold2173	NW_004517189.1	19918	AA	GG	GG	INTERGENIC		
SNP_71180B_19947	scaffold2173	NW_004517189.1	19947	CC	TT	TT	INTERGENIC		
SNP_71181B_19953	scaffold2173	NW_004517189.1	19953	AA	CC	CC	INTERGENIC		
SNP_71182B_19990	scaffold2173	NW_004517189.1	19990	AA	GG	GG	INTERGENIC		
SNP_71183B_20246	scaffold2173	NW_004517189.1	20246	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71184B_20272	scaffold2173	NW_004517189.1	20272	AA	GG	GG	INTERGENIC		
SNP_71185B_20293	scaffold2173	NW_004517189.1	20293	CC	AA	AA	INTERGENIC		
SNP_71186B_20416	scaffold2173	NW_004517189.1	20416	TT	GG	GG	INTERGENIC		
SNP_71187B_20454	scaffold2173	NW_004517189.1	20454	TT	GG	GG	INTERGENIC		
SNP_71188B_20455	scaffold2173	NW_004517189.1	20455	TT	AA	AA	INTERGENIC		
SNP_71189B_20456	scaffold2173	NW_004517189.1	20456	AA	CC	CC	INTERGENIC		
SNP_71190B_20461	scaffold2173	NW_004517189.1	20461	AA	TT	TT	INTERGENIC		
SNP_71191B_20468	scaffold2173	NW_004517189.1	20468	TT	AA	AA	INTERGENIC		
SNP_71192B_20496	scaffold2173	NW_004517189.1	20496	CC	GG	GG	INTERGENIC		
SNP_71193B_20562	scaffold2173	NW_004517189.1	20562	GG	AA	AA	INTERGENIC		
SNP_71194B_20575	scaffold2173	NW_004517189.1	20575	TT	AA	AA	INTERGENIC		
SNP_71195B_20584	scaffold2173	NW_004517189.1	20584	TT	CC	CC	INTERGENIC		
SNP_71196B_20586	scaffold2173	NW_004517189.1	20586	CC	GG	GG	INTERGENIC		
SNP_71197B_20597	scaffold2173	NW_004517189.1	20597	TT	AA	AA	INTERGENIC		
SNP_71198B_20675	scaffold2173	NW_004517189.1	20675	AA	GG	GG	INTERGENIC		
SNP_71199B_20760	scaffold2173	NW_004517189.1	20760	GG	TT	TT	INTERGENIC		
SNP_71200B_20823	scaffold2173	NW_004517189.1	20823	CC	GG	GG	INTERGENIC		
SNP_71201B_20841	scaffold2173	NW_004517189.1	20841	CC	GG	GG	INTERGENIC		
SNP_71202B_20846	scaffold2173	NW_004517189.1	20846	AA	GG	GG	INTERGENIC		
SNP_71203B_21006	scaffold2173	NW_004517189.1	21006	AA	GG	GG	INTERGENIC		
SNP_71204B_54816	scaffold2173	NW_004517189.1	54816	GG	TT	TT	INTERGENIC		
SNP_71205B_56428	scaffold2173	NW_004517189.1	56428	GG	TT	TT	INTERGENIC		
SNP_71206B_56504	scaffold2173	NW_004517189.1	56504	GG	TT	TT	INTERGENIC		
SNP_71207B_6352	scaffold2176	NW_004517192.1	6352	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71208B_6690	scaffold2176	NW_004517192.1	6690	CC	GG	GG	INTERGENIC		
SNP_71209B_6715	scaffold2176	NW_004517192.1	6715	CC	GG	GG	INTERGENIC		
SNP_71210B_6760	scaffold2176	NW_004517192.1	6760	GG	TT	TT	INTERGENIC		
SNP_71211B_10688	scaffold2176	NW_004517192.1	10688	GG	TT	TT	INTERGENIC		
SNP_71212B_18301	scaffold2176	NW_004517192.1	18301	GG	AA	AA	INTERGENIC		
SNP_71213B_18485	scaffold2176	NW_004517192.1	18485	GG	AA	AA	INTERGENIC		
SNP_71214B_23855	scaffold2176	NW_004517192.1	23855	CC	AA	AA	INTERGENIC		
SNP_71215B_24413	scaffold2176	NW_004517192.1	24413	TT	CC	CC	INTERGENIC		
SNP_71216B_27408	scaffold2176	NW_004517192.1	27408	CC	AA	AA	INTERGENIC		
SNP_71217B_2476	scaffold2177	NW_004517193.1	2476	TT	CC	CC	INTERGENIC		
SNP_71218B_2789	scaffold2177	NW_004517193.1	2789	CC	TT	TT	INTERGENIC		
SNP_71219B_2874	scaffold2177	NW_004517193.1	2874	TT	AA	AA	INTERGENIC		
SNP_71220B_2880	scaffold2177	NW_004517193.1	2880	AA	GG	GG	INTERGENIC		
SNP_71221B_10302	scaffold2177	NW_004517193.1	10302	TT	GG	GG	INTERGENIC		
SNP_71222B_79	scaffold2179	NW_004517195.1	79	TT	CC	CC	INTERGENIC		
SNP_71223B_113	scaffold2179	NW_004517195.1	113	AA	TT	TT	INTERGENIC		
SNP_71224B_121	scaffold2179	NW_004517195.1	121	GG	AA	AA	INTERGENIC		
SNP_71225B_463	scaffold2179	NW_004517195.1	463	AA	GG	GG	INTERGENIC		
SNP_71226B_513	scaffold2179	NW_004517195.1	513	CC	TT	TT	INTERGENIC		
SNP_71229B_24584	scaffold2179	NW_004517195.1	24584	TT	CC	CC	INTERGENIC		
SNP_71230B_26270	scaffold2179	NW_004517195.1	26270	AA	GG	GG	INTERGENIC		
SNP_71231B_34990	scaffold2179	NW_004517195.1	34990	CC	GG	GG	STOP_LOST	101506409	uncharacterized LOC101506409
SNP_71232B_35517	scaffold2179	NW_004517195.1	35517	TT	CC	CC	INTERGENIC		
SNP_71233B_35703	scaffold2179	NW_004517195.1	35703	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71234B_35730	scaffold2179	NW_004517195.1	35730	AA	GG	GG	INTERGENIC		
SNP_71235B_35893	scaffold2179	NW_004517195.1	35893	AA	GG	GG	INTERGENIC		
SNP_71238B_36022	scaffold2179	NW_004517195.1	36022	GG	AA	AA	INTERGENIC		
SNP_71239B_36034	scaffold2179	NW_004517195.1	36034	TT	CC	CC	INTERGENIC		
SNP_71240B_36044	scaffold2179	NW_004517195.1	36044	AA	GG	GG	INTERGENIC		
SNP_71242B_36100	scaffold2179	NW_004517195.1	36100	GG	AA	AA	INTERGENIC		
SNP_71243B_36166	scaffold2179	NW_004517195.1	36166	AA	GG	GG	INTERGENIC		
SNP_71244B_36177	scaffold2179	NW_004517195.1	36177	AA	GG	GG	INTERGENIC		
SNP_71245B_36182	scaffold2179	NW_004517195.1	36182	CC	GG	GG	INTERGENIC		
SNP_71246B_36362	scaffold2179	NW_004517195.1	36362	AA	GG	GG	INTERGENIC		
SNP_71247B_36371	scaffold2179	NW_004517195.1	36371	AA	GG	GG	INTERGENIC		
SNP_71248B_36392	scaffold2179	NW_004517195.1	36392	CC	TT	TT	INTERGENIC		
SNP_71249B_36466	scaffold2179	NW_004517195.1	36466	CC	TT	TT	INTERGENIC		
SNP_71250B_36475	scaffold2179	NW_004517195.1	36475	TT	CC	CC	INTERGENIC		
SNP_71251B_36517	scaffold2179	NW_004517195.1	36517	TT	CC	CC	INTERGENIC		
SNP_71252B_57189	scaffold2179	NW_004517195.1	57189	TT	CC	CC	URR	101505773	18.2 kDa class I heat shock protein-like
SNP_71253B_57265	scaffold2179	NW_004517195.1	57265	TT	CC	CC	URR	101505773	18.2 kDa class I heat shock protein-like
SNP_71254B_58672	scaffold2179	NW_004517195.1	58672	GG	TT	TT	INTERGENIC		
SNP_71255B_82068	scaffold2179	NW_004517195.1	82068	AA	GG	GG	INTERGENIC		
SNP_71256B_82387	scaffold2179	NW_004517195.1	82387	AA	CC	CC	INTERGENIC		
SNP_71257B_164	scaffold2183	NW_004517199.1	164	GG	AA	AA	INTERGENIC		
SNP_71258B_173	scaffold2183	NW_004517199.1	173	CC	TT	TT	INTERGENIC		
SNP_71259B_378	scaffold2183	NW_004517199.1	378	TT	GG	GG	INTERGENIC		
SNP_71260B_623	scaffold2183	NW_004517199.1	623	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71261B_650	scaffold2183	NW_004517199.1	650	AA	GG	GG	INTERGENIC		
SNP_71262B_672	scaffold2183	NW_004517199.1	672	TT	CC	CC	INTERGENIC		
SNP_71263B_830	scaffold2183	NW_004517199.1	830	TT	AA	AA	INTERGENIC		
SNP_71264B_832	scaffold2183	NW_004517199.1	832	TT	AA	AA	INTERGENIC		
SNP_71265B_4171	scaffold2183	NW_004517199.1	4171	AA	CC	CC	INTERGENIC		
SNP_71267B_4463	scaffold2183	NW_004517199.1	4463	TT	CC	CC	INTERGENIC		
SNP_71268B_4499	scaffold2183	NW_004517199.1	4499	TT	CC	CC	INTERGENIC		
SNP_71269B_4590	scaffold2183	NW_004517199.1	4590	TT	CC	CC	INTERGENIC		
SNP_71270B_6099	scaffold2183	NW_004517199.1	6099	AA	CC	CC	INTERGENIC		
SNP_71271B_6268	scaffold2183	NW_004517199.1	6268	TT	CC	CC	INTERGENIC		
SNP_71272B_6297	scaffold2183	NW_004517199.1	6297	TT	CC	CC	INTERGENIC		
SNP_71273B_6478	scaffold2183	NW_004517199.1	6478	CC	AA	AA	INTERGENIC		
SNP_71274B_7213	scaffold2183	NW_004517199.1	7213	TT	CC	CC	INTERGENIC		
SNP_71275B_16796	scaffold2183	NW_004517199.1	16796	GG	AA	AA	INTERGENIC		
SNP_71276B_18989	scaffold2183	NW_004517199.1	18989	GG	AA	AA	INTERGENIC		
SNP_71277B_19156	scaffold2183	NW_004517199.1	19156	GG	CC	CC	INTERGENIC		
SNP_71278B_19473	scaffold2183	NW_004517199.1	19473	TT	CC	CC	INTERGENIC		
SNP_71279B_19500	scaffold2183	NW_004517199.1	19500	TT	AA	AA	INTERGENIC		
SNP_71280B_19526	scaffold2183	NW_004517199.1	19526	AA	TT	TT	INTERGENIC		
SNP_71281B_19625	scaffold2183	NW_004517199.1	19625	GG	TT	TT	INTERGENIC		
SNP_71282B_19740	scaffold2183	NW_004517199.1	19740	AA	CC	CC	INTERGENIC		
SNP_71283B_19741	scaffold2183	NW_004517199.1	19741	TT	AA	AA	INTERGENIC		
SNP_71284B_19871	scaffold2183	NW_004517199.1	19871	TT	AA	AA	INTERGENIC		
SNP_71286B_19977	scaffold2183	NW_004517199.1	19977	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71287B_20103	scaffold2183	NW_004517199.1	20103	CC	TT	TT	INTERGENIC		
SNP_71288B_23730	scaffold2183	NW_004517199.1	23730	AA	CC	CC	INTERGENIC		
SNP_71289B_23757	scaffold2183	NW_004517199.1	23757	TT	CC	CC	INTERGENIC		
SNP_71290B_23760	scaffold2183	NW_004517199.1	23760	TT	AA	AA	INTERGENIC		
SNP_71291B_23907	scaffold2183	NW_004517199.1	23907	GG	TT	TT	INTERGENIC		
SNP_71292B_24253	scaffold2183	NW_004517199.1	24253	AA	GG	GG	INTERGENIC		
SNP_71293B_28476	scaffold2183	NW_004517199.1	28476	TT	CC	CC	INTERGENIC		
SNP_71294B_28514	scaffold2183	NW_004517199.1	28514	TT	AA	AA	INTERGENIC		
SNP_71295B_32935	scaffold2183	NW_004517199.1	32935	TT	CC	CC	INTERGENIC		
SNP_71296B_33266	scaffold2183	NW_004517199.1	33266	CC	AA	AA	INTERGENIC		
SNP_71297B_33873	scaffold2183	NW_004517199.1	33873	GG	TT	TT	INTERGENIC		
SNP_71298B_33888	scaffold2183	NW_004517199.1	33888	CC	GG	GG	INTERGENIC		
SNP_71299B_38226	scaffold2183	NW_004517199.1	38226	GG	AA	AA	INTERGENIC		
SNP_71300B_39057	scaffold2183	NW_004517199.1	39057	GG	AA	AA	INTERGENIC		
SNP_71301B_39186	scaffold2183	NW_004517199.1	39186	GG	AA	AA	INTERGENIC		
SNP_71302B_39407	scaffold2183	NW_004517199.1	39407	AA	CC	CC	INTERGENIC		
SNP_71303B_40099	scaffold2183	NW_004517199.1	40099	GG	TT	TT	INTERGENIC		
SNP_71304B_40680	scaffold2183	NW_004517199.1	40680	TT	CC	CC	INTERGENIC		
SNP_71305B_40993	scaffold2183	NW_004517199.1	40993	GG	AA	AA	INTERGENIC		
SNP_71306B_41021	scaffold2183	NW_004517199.1	41021	GG	TT	TT	INTERGENIC		
SNP_71307B_41057	scaffold2183	NW_004517199.1	41057	TT	AA	AA	INTERGENIC		
SNP_71308B_44114	scaffold2183	NW_004517199.1	44114	TT	CC	CC	INTERGENIC		
SNP_71309B_44178	scaffold2183	NW_004517199.1	44178	CC	TT	TT	INTERGENIC		
SNP_71310B_44515	scaffold2183	NW_004517199.1	44515	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71311B_46570	scaffold2183	NW_004517199.1	46570	TT	CC	CC	INTERGENIC		
SNP_71312B_47622	scaffold2183	NW_004517199.1	47622	CC	TT	TT	INTERGENIC		
SNP_71313B_47671	scaffold2183	NW_004517199.1	47671	AA	GG	GG	INTERGENIC		
SNP_71314B_47906	scaffold2183	NW_004517199.1	47906	CC	TT	TT	INTERGENIC		
SNP_71315B_48092	scaffold2183	NW_004517199.1	48092	AA	GG	GG	INTERGENIC		
SNP_71316B_48399	scaffold2183	NW_004517199.1	48399	TT	CC	CC	INTERGENIC		
SNP_71317B_48423	scaffold2183	NW_004517199.1	48423	AA	GG	GG	INTERGENIC		
SNP_71318B_48424	scaffold2183	NW_004517199.1	48424	AA	GG	GG	INTERGENIC		
SNP_71319B_48432	scaffold2183	NW_004517199.1	48432	CC	TT	TT	INTERGENIC		
SNP_71320B_59384	scaffold2183	NW_004517199.1	59384	TT	CC	CC	INTERGENIC		
SNP_71321B_59424	scaffold2183	NW_004517199.1	59424	TT	AA	AA	INTERGENIC		
SNP_71322B_65132	scaffold2183	NW_004517199.1	65132	CC	AA	AA	INTERGENIC		
SNP_71324B_65769	scaffold2183	NW_004517199.1	65769	AA	GG	GG	INTERGENIC		
SNP_71325B_65885	scaffold2183	NW_004517199.1	65885	AA	GG	GG	INTERGENIC		
SNP_71326B_66047	scaffold2183	NW_004517199.1	66047	AA	TT	TT	INTERGENIC		
SNP_71327B_66733	scaffold2183	NW_004517199.1	66733	AA	CC	CC	INTERGENIC		
SNP_71328B_66800	scaffold2183	NW_004517199.1	66800	TT	AA	AA	INTERGENIC		
SNP_71329B_67007	scaffold2183	NW_004517199.1	67007	GG	TT	TT	INTERGENIC		
SNP_71330B_67052	scaffold2183	NW_004517199.1	67052	AA	GG	GG	INTERGENIC		
SNP_71331B_67107	scaffold2183	NW_004517199.1	67107	GG	AA	AA	INTERGENIC		
SNP_71332B_67126	scaffold2183	NW_004517199.1	67126	AA	GG	GG	INTERGENIC		
SNP_71333B_67268	scaffold2183	NW_004517199.1	67268	GG	AA	AA	INTERGENIC		
SNP_71334B_67320	scaffold2183	NW_004517199.1	67320	CC	TT	TT	INTERGENIC		
SNP_71335B_67385	scaffold2183	NW_004517199.1	67385	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71337B_67662	scaffold2183	NW_004517199.1	67662	TT	AA	AA	INTERGENIC		
SNP_71338B_67677	scaffold2183	NW_004517199.1	67677	CC	AA	AA	INTERGENIC		
SNP_71339B_67684	scaffold2183	NW_004517199.1	67684	AA	TT	TT	INTERGENIC		
SNP_71340B_67699	scaffold2183	NW_004517199.1	67699	AA	GG	GG	INTERGENIC		
SNP_71341B_67769	scaffold2183	NW_004517199.1	67769	CC	GG	GG	INTERGENIC		
SNP_71343B_67902	scaffold2183	NW_004517199.1	67902	AA	GG	GG	INTERGENIC		
SNP_71344B_67938	scaffold2183	NW_004517199.1	67938	TT	AA	AA	INTERGENIC		
SNP_71345B_67962	scaffold2183	NW_004517199.1	67962	AA	TT	TT	INTERGENIC		
SNP_71346B_68000	scaffold2183	NW_004517199.1	68000	AA	TT	TT	INTERGENIC		
SNP_71347B_68053	scaffold2183	NW_004517199.1	68053	TT	CC	CC	INTERGENIC		
SNP_71348B_68095	scaffold2183	NW_004517199.1	68095	AA	GG	GG	INTERGENIC		
SNP_71349B_68238	scaffold2183	NW_004517199.1	68238	AA	GG	GG	INTERGENIC		
SNP_71350B_68271	scaffold2183	NW_004517199.1	68271	GG	AA	AA	INTERGENIC		
SNP_71351B_68276	scaffold2183	NW_004517199.1	68276	CC	TT	TT	INTERGENIC		
SNP_71352B_68288	scaffold2183	NW_004517199.1	68288	CC	TT	TT	INTERGENIC		
SNP_71353B_68350	scaffold2183	NW_004517199.1	68350	CC	GG	GG	INTERGENIC		
SNP_71354B_68357	scaffold2183	NW_004517199.1	68357	AA	GG	GG	INTERGENIC		
SNP_71355B_68384	scaffold2183	NW_004517199.1	68384	AA	TT	TT	INTERGENIC		
SNP_71356B_68510	scaffold2183	NW_004517199.1	68510	TT	AA	AA	INTERGENIC		
SNP_71357B_68512	scaffold2183	NW_004517199.1	68512	CC	TT	TT	INTERGENIC		
SNP_71358B_68521	scaffold2183	NW_004517199.1	68521	AA	GG	GG	INTERGENIC		
SNP_71359B_68535	scaffold2183	NW_004517199.1	68535	GG	AA	AA	INTERGENIC		
SNP_71360B_68599	scaffold2183	NW_004517199.1	68599	AA	GG	GG	INTERGENIC		
SNP_71361B_68618	scaffold2183	NW_004517199.1	68618	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71362B_68654	scaffold2183	NW_004517199.1	68654	AA	TT	TT	INTERGENIC		
SNP_71363B_68739	scaffold2183	NW_004517199.1	68739	AA	CC	CC	INTERGENIC		
SNP_71364B_68808	scaffold2183	NW_004517199.1	68808	CC	AA	AA	INTERGENIC		
SNP_71365B_68819	scaffold2183	NW_004517199.1	68819	AA	GG	GG	INTERGENIC		
SNP_71366B_68828	scaffold2183	NW_004517199.1	68828	TT	AA	AA	INTERGENIC		
SNP_71367B_68856	scaffold2183	NW_004517199.1	68856	CC	TT	TT	INTERGENIC		
SNP_71368B_68881	scaffold2183	NW_004517199.1	68881	CC	TT	TT	INTERGENIC		
SNP_71369B_68889	scaffold2183	NW_004517199.1	68889	AA	GG	GG	INTERGENIC		
SNP_71370B_68890	scaffold2183	NW_004517199.1	68890	AA	GG	GG	INTERGENIC		
SNP_71371B_68911	scaffold2183	NW_004517199.1	68911	TT	CC	CC	INTERGENIC		
SNP_71372B_69127	scaffold2183	NW_004517199.1	69127	TT	CC	CC	INTERGENIC		
SNP_71373B_69142	scaffold2183	NW_004517199.1	69142	CC	TT	TT	INTERGENIC		
SNP_71374B_69165	scaffold2183	NW_004517199.1	69165	GG	AA	AA	INTERGENIC		
SNP_71375B_69166	scaffold2183	NW_004517199.1	69166	CC	GG	GG	INTERGENIC		
SNP_71376B_69179	scaffold2183	NW_004517199.1	69179	AA	TT	TT	INTERGENIC		
SNP_71377B_69225	scaffold2183	NW_004517199.1	69225	TT	GG	GG	INTERGENIC		
SNP_71378B_69248	scaffold2183	NW_004517199.1	69248	TT	CC	CC	INTERGENIC		
SNP_71379B_69331	scaffold2183	NW_004517199.1	69331	GG	CC	CC	INTERGENIC		
SNP_71380B_69334	scaffold2183	NW_004517199.1	69334	AA	GG	GG	INTERGENIC		
SNP_71381B_69430	scaffold2183	NW_004517199.1	69430	CC	TT	TT	INTERGENIC		
SNP_71382B_69495	scaffold2183	NW_004517199.1	69495	CC	TT	TT	INTERGENIC		
SNP_71383B_69509	scaffold2183	NW_004517199.1	69509	TT	AA	AA	INTERGENIC		
SNP_71384B_69539	scaffold2183	NW_004517199.1	69539	TT	CC	CC	INTERGENIC		
SNP_71385B_69651	scaffold2183	NW_004517199.1	69651	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71386B_69657	scaffold2183	NW_004517199.1	69657	CC	TT	TT	INTERGENIC		
SNP_71387B_69677	scaffold2183	NW_004517199.1	69677	AA	TT	TT	INTERGENIC		
SNP_71388B_69724	scaffold2183	NW_004517199.1	69724	GG	AA	AA	INTERGENIC		
SNP_71389B_69761	scaffold2183	NW_004517199.1	69761	CC	TT	TT	INTERGENIC		
SNP_71390B_69777	scaffold2183	NW_004517199.1	69777	GG	AA	AA	INTERGENIC		
SNP_71391B_69814	scaffold2183	NW_004517199.1	69814	TT	CC	CC	INTERGENIC		
SNP_71392B_69857	scaffold2183	NW_004517199.1	69857	TT	AA	AA	INTERGENIC		
SNP_71393B_69926	scaffold2183	NW_004517199.1	69926	AA	GG	GG	INTERGENIC		
SNP_71394B_69963	scaffold2183	NW_004517199.1	69963	CC	AA	AA	INTERGENIC		
SNP_71395B_69978	scaffold2183	NW_004517199.1	69978	TT	CC	CC	INTERGENIC		
SNP_71396B_70082	scaffold2183	NW_004517199.1	70082	AA	GG	GG	INTERGENIC		
SNP_71397B_70140	scaffold2183	NW_004517199.1	70140	CC	TT	TT	INTERGENIC		
SNP_71398B_70191	scaffold2183	NW_004517199.1	70191	CC	TT	TT	INTERGENIC		
SNP_71399B_70192	scaffold2183	NW_004517199.1	70192	GG	AA	AA	INTERGENIC		
SNP_71400B_70370	scaffold2183	NW_004517199.1	70370	CC	AA	AA	INTERGENIC		
SNP_71401B_70413	scaffold2183	NW_004517199.1	70413	GG	CC	CC	INTERGENIC		
SNP_71402B_70455	scaffold2183	NW_004517199.1	70455	CC	TT	TT	INTERGENIC		
SNP_71403B_70523	scaffold2183	NW_004517199.1	70523	CC	TT	TT	INTERGENIC		
SNP_71404B_70527	scaffold2183	NW_004517199.1	70527	CC	TT	TT	INTERGENIC		
SNP_71405B_71674	scaffold2183	NW_004517199.1	71674	CC	AA	AA	INTERGENIC		
SNP_71406B_71937	scaffold2183	NW_004517199.1	71937	GG	CC	CC	INTERGENIC		
SNP_71407B_71952	scaffold2183	NW_004517199.1	71952	TT	GG	GG	INTERGENIC		
SNP_71408B_74392	scaffold2183	NW_004517199.1	74392	TT	CC	CC	INTERGENIC		
SNP_71409B_74424	scaffold2183	NW_004517199.1	74424	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71410B_74425	scaffold2183	NW_004517199.1	74425	TT	GG	GG	INTERGENIC		
SNP_71411B_74444	scaffold2183	NW_004517199.1	74444	AA	CC	CC	INTERGENIC		
SNP_71412B_74532	scaffold2183	NW_004517199.1	74532	TT	CC	CC	INTERGENIC		
SNP_71413B_74546	scaffold2183	NW_004517199.1	74546	GG	AA	AA	INTERGENIC		
SNP_71414B_75061	scaffold2183	NW_004517199.1	75061	AA	GG	GG	INTERGENIC		
SNP_71415B_75077	scaffold2183	NW_004517199.1	75077	AA	TT	TT	INTERGENIC		
SNP_71416B_75079	scaffold2183	NW_004517199.1	75079	AA	TT	TT	INTERGENIC		
SNP_71418B_47681	scaffold2192	NW_004517205.1	47681	TT	CC	CC	INTRON	101507396	protein ZINC INDUCED FACILITATOR-LIKE 1-like
SNP_71419B_55891	scaffold2192	NW_004517205.1	55891	CC	TT	TT	INTRON	101507396	protein ZINC INDUCED FACILITATOR-LIKE 1-like
SNP_71420B_70281	scaffold2192	NW_004517205.1	70281	GG	TT	TT	INTERGENIC		
SNP_71423B_107964	scaffold2192	NW_004517205.1	107964	TT	CC	CC	INTERGENIC		
SNP_71425B_108014	scaffold2192	NW_004517205.1	108014	GG	AA	AA	INTERGENIC		
SNP_71426B_108373	scaffold2192	NW_004517205.1	108373	GG	TT	TT	INTERGENIC		
SNP_71427B_108406	scaffold2192	NW_004517205.1	108406	GG	AA	AA	INTERGENIC		
SNP_71428B_108424	scaffold2192	NW_004517205.1	108424	TT	CC	CC	INTERGENIC		
SNP_71429B_108705	scaffold2192	NW_004517205.1	108705	TT	CC	CC	INTERGENIC		
SNP_71430B_108894	scaffold2192	NW_004517205.1	108894	CC	AA	AA	INTERGENIC		
SNP_71431B_108912	scaffold2192	NW_004517205.1	108912	AA	TT	TT	INTERGENIC		
SNP_71432B_108940	scaffold2192	NW_004517205.1	108940	TT	GG	GG	INTERGENIC		
SNP_71433B_108947	scaffold2192	NW_004517205.1	108947	TT	CC	CC	INTERGENIC		
SNP_71434B_108951	scaffold2192	NW_004517205.1	108951	AA	GG	GG	INTERGENIC		
SNP_71435B_109272	scaffold2192	NW_004517205.1	109272	CC	TT	TT	INTERGENIC		
SNP_71436B_119352	scaffold2192	NW_004517205.1	119352	GG	AA	AA	INTERGENIC		
SNP_71437B_135073	scaffold2192	NW_004517205.1	135073	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71438B_160825	scaffold2192	NW_004517205.1	160825	TT	CC	CC	INTERGENIC		
SNP_71440B_170726	scaffold2192	NW_004517205.1	170726	AA	GG	GG	INTERGENIC		
SNP_71441B_170748	scaffold2192	NW_004517205.1	170748	CC	TT	TT	INTERGENIC		
SNP_71442B_182729	scaffold2192	NW_004517205.1	182729	TT	AA	AA	INTRON	101508975	protein ZINC INDUCED FACILITATOR-LIKE 1-like
SNP_71443B_182740	scaffold2192	NW_004517205.1	182740	TT	AA	AA	INTRON	101508975	protein ZINC INDUCED FACILITATOR-LIKE 1-like
SNP_71444B_182757	scaffold2192	NW_004517205.1	182757	GG	AA	AA	SYNONYMOUS_CODING	101508975	protein ZINC INDUCED FACILITATOR-LIKE 1-like
SNP_71445B_182765	scaffold2192	NW_004517205.1	182765	TT	CC	CC	NON_SYNONYMOUS_CODING	101508975	protein ZINC INDUCED FACILITATOR-LIKE 1-like
SNP_71446B_182823	scaffold2192	NW_004517205.1	182823	TT	CC	CC	SPLICE_SITE_REGION	101508975	protein ZINC INDUCED FACILITATOR-LIKE 1-like
SNP_71447B_182891	scaffold2192	NW_004517205.1	182891	AA	CC	CC	INTRON	101508975	protein ZINC INDUCED FACILITATOR-LIKE 1-like
SNP_71448B_182997	scaffold2192	NW_004517205.1	182997	AA	TT	TT	INTRON	101508975	protein ZINC INDUCED FACILITATOR-LIKE 1-like
SNP_71449B_12391	scaffold2193	NW_004517206.1	12391	CC	TT	TT	INTERGENIC		
SNP_71450B_12550	scaffold2193	NW_004517206.1	12550	AA	CC	CC	INTERGENIC		
SNP_71451B_12826	scaffold2193	NW_004517206.1	12826	GG	AA	AA	INTERGENIC		
SNP_71452B_13003	scaffold2193	NW_004517206.1	13003	CC	GG	GG	INTERGENIC		
SNP_71453B_13085	scaffold2193	NW_004517206.1	13085	TT	CC	CC	INTERGENIC		
SNP_71454B_13118	scaffold2193	NW_004517206.1	13118	AA	CC	CC	INTERGENIC		
SNP_71455B_31259	scaffold2193	NW_004517206.1	31259	GG	AA	AA	INTERGENIC		
SNP_71456B_31407	scaffold2193	NW_004517206.1	31407	TT	GG	GG	INTERGENIC		
SNP_71459B_31492	scaffold2193	NW_004517206.1	31492	CC	TT	TT	INTERGENIC		
SNP_71460B_31525	scaffold2193	NW_004517206.1	31525	CC	TT	TT	INTERGENIC		
SNP_71461B_31532	scaffold2193	NW_004517206.1	31532	AA	GG	GG	INTERGENIC		
SNP_71462B_31562	scaffold2193	NW_004517206.1	31562	TT	CC	CC	INTERGENIC		
SNP_71463B_31702	scaffold2193	NW_004517206.1	31702	TT	CC	CC	INTERGENIC		
SNP_71464B_31793	scaffold2193	NW_004517206.1	31793	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71465B_31804	scaffold2193	NW_004517206.1	31804	AA	GG	GG	INTERGENIC		
SNP_71466B_51181	scaffold2193	NW_004517206.1	51181	TT	CC	CC	INTERGENIC		
SNP_71467B_51395	scaffold2193	NW_004517206.1	51395	AA	GG	GG	INTERGENIC		
SNP_71468B_55520	scaffold2193	NW_004517206.1	55520	TT	CC	CC	INTERGENIC		
SNP_71469B_58867	scaffold2193	NW_004517206.1	58867	TT	AA	AA	INTERGENIC		
SNP_71470B_59154	scaffold2193	NW_004517206.1	59154	GG	TT	TT	INTERGENIC		
SNP_71471B_123523	scaffold2193	NW_004517206.1	123523	GG	AA	AA	INTERGENIC		
SNP_71472B_123605	scaffold2193	NW_004517206.1	123605	AA	GG	GG	INTERGENIC		
SNP_71473B_123632	scaffold2193	NW_004517206.1	123632	AA	GG	GG	INTERGENIC		
SNP_71474B_123670	scaffold2193	NW_004517206.1	123670	GG	TT	TT	INTERGENIC		
SNP_71475B_123682	scaffold2193	NW_004517206.1	123682	TT	CC	CC	INTERGENIC		
SNP_71476B_123685	scaffold2193	NW_004517206.1	123685	TT	CC	CC	INTERGENIC		
SNP_71477B_128010	scaffold2193	NW_004517206.1	128010	GG	AA	AA	INTERGENIC		
SNP_71478B_4299	scaffold2194	NW_004517207.1	4299	TT	AA	AA	INTERGENIC		
SNP_71479B_9287	scaffold2194	NW_004517207.1	9287	TT	GG	GG	INTERGENIC		
SNP_71480B_19161	scaffold2194	NW_004517207.1	19161	AA	GG	GG	INTERGENIC		
SNP_71481B_23818	scaffold2194	NW_004517207.1	23818	AA	GG	GG	INTERGENIC		
SNP_71482B_23989	scaffold2194	NW_004517207.1	23989	TT	GG	GG	INTERGENIC		
SNP_71483B_24099	scaffold2194	NW_004517207.1	24099	GG	TT	TT	INTERGENIC		
SNP_71484B_24636	scaffold2194	NW_004517207.1	24636	CC	TT	TT	INTERGENIC		
SNP_71485B_24963	scaffold2194	NW_004517207.1	24963	AA	GG	GG	INTERGENIC		
SNP_71486B_736	scaffold2195	NW_004517208.1	736	TT	AA	AA	INTERGENIC		
SNP_71487B_1954	scaffold2195	NW_004517208.1	1954	TT	CC	CC	INTERGENIC		
SNP_71488B_909	scaffold2199	NW_004517210.1	909	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71489B_918	scaffold2199	NW_004517210.1	918	AA	GG	GG	INTERGENIC		
SNP_71490B_1408	scaffold2205	NW_004517215.1	1408	CC	TT	TT	INTERGENIC		
SNP_71491B_1456	scaffold2205	NW_004517215.1	1456	CC	TT	TT	INTERGENIC		
SNP_71492B_1734	scaffold2205	NW_004517215.1	1734	TT	GG	GG	INTERGENIC		
SNP_71493B_3227	scaffold2205	NW_004517215.1	3227	CC	TT	TT	INTERGENIC		
SNP_71494B_3374	scaffold2205	NW_004517215.1	3374	GG	CC	CC	INTERGENIC		
SNP_71495B_3467	scaffold2205	NW_004517215.1	3467	CC	TT	TT	INTERGENIC		
SNP_71496B_10233	scaffold2205	NW_004517215.1	10233	TT	GG	GG	INTERGENIC		
SNP_71497B_10618	scaffold2205	NW_004517215.1	10618	TT	AA	AA	INTERGENIC		
SNP_71498B_14795	scaffold2205	NW_004517215.1	14795	CC	AA	AA	INTERGENIC		
SNP_71499B_15943	scaffold2205	NW_004517215.1	15943	TT	CC	CC	INTERGENIC		
SNP_71500B_20291	scaffold2205	NW_004517215.1	20291	AA	GG	GG	INTERGENIC		
SNP_71501B_21408	scaffold2205	NW_004517215.1	21408	TT	GG	GG	INTERGENIC		
SNP_71502B_23801	scaffold2205	NW_004517215.1	23801	CC	TT	TT	INTERGENIC		
SNP_71503B_24159	scaffold2205	NW_004517215.1	24159	GG	AA	AA	INTERGENIC		
SNP_71504B_24194	scaffold2205	NW_004517215.1	24194	CC	TT	TT	INTERGENIC		
SNP_71505B_38409	scaffold2205	NW_004517215.1	38409	CC	GG	GG	INTERGENIC		
SNP_71506B_43534	scaffold2205	NW_004517215.1	43534	AA	CC	CC	INTERGENIC		
SNP_71507B_43594	scaffold2205	NW_004517215.1	43594	TT	GG	GG	INTERGENIC		
SNP_71508B_47991	scaffold2205	NW_004517215.1	47991	GG	TT	TT	INTERGENIC		
SNP_71509B_48027	scaffold2205	NW_004517215.1	48027	GG	AA	AA	INTERGENIC		
SNP_71510B_48332	scaffold2205	NW_004517215.1	48332	CC	TT	TT	INTERGENIC		
SNP_71511B_48756	scaffold2205	NW_004517215.1	48756	AA	GG	GG	INTERGENIC		
SNP_71512B_48860	scaffold2205	NW_004517215.1	48860	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71513B_49044	scaffold2205	NW_004517215.1	49044	CC	GG	GG	INTERGENIC		
SNP_71514B_49070	scaffold2205	NW_004517215.1	49070	TT	CC	CC	INTERGENIC		
SNP_71515B_49093	scaffold2205	NW_004517215.1	49093	TT	CC	CC	INTERGENIC		
SNP_71516B_49096	scaffold2205	NW_004517215.1	49096	TT	CC	CC	INTERGENIC		
SNP_71518B_49167	scaffold2205	NW_004517215.1	49167	TT	CC	CC	INTERGENIC		
SNP_71519B_49205	scaffold2205	NW_004517215.1	49205	CC	AA	AA	INTERGENIC		
SNP_71520B_669	scaffold2207	NW_004517217.1	669	CC	GG	GG	INTERGENIC		
SNP_71521B_711	scaffold2207	NW_004517217.1	711	TT	AA	AA	INTERGENIC		
SNP_71522B_715	scaffold2207	NW_004517217.1	715	TT	AA	AA	INTERGENIC		
SNP_71523B_786	scaffold2207	NW_004517217.1	786	GG	CC	CC	INTERGENIC		
SNP_71524B_824	scaffold2207	NW_004517217.1	824	AA	GG	GG	INTERGENIC		
SNP_71525B_829	scaffold2207	NW_004517217.1	829	CC	AA	AA	INTERGENIC		
SNP_71526B_830	scaffold2207	NW_004517217.1	830	GG	TT	TT	INTERGENIC		
SNP_71527B_834	scaffold2207	NW_004517217.1	834	CC	TT	TT	INTERGENIC		
SNP_71528B_835	scaffold2207	NW_004517217.1	835	AA	GG	GG	INTERGENIC		
SNP_71529B_1023	scaffold2207	NW_004517217.1	1023	CC	AA	AA	INTERGENIC		
SNP_71530B_1043	scaffold2207	NW_004517217.1	1043	TT	CC	CC	INTERGENIC		
SNP_71531B_1050	scaffold2207	NW_004517217.1	1050	GG	TT	TT	INTERGENIC		
SNP_71532B_1056	scaffold2207	NW_004517217.1	1056	TT	CC	CC	INTERGENIC		
SNP_71533B_1233	scaffold2207	NW_004517217.1	1233	GG	TT	TT	INTERGENIC		
SNP_71534B_4745	scaffold2208	NW_004517218.1	4745	TT	CC	CC	INTERGENIC		
SNP_71535B_5008	scaffold2208	NW_004517218.1	5008	TT	CC	CC	INTERGENIC		
SNP_71536B_5278	scaffold2208	NW_004517218.1	5278	CC	TT	TT	INTERGENIC		
SNP_71537B_6281	scaffold2208	NW_004517218.1	6281	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71538B_6712	scaffold2208	NW_004517218.1	6712	TT	CC	CC	INTERGENIC		
SNP_71539B_6907	scaffold2208	NW_004517218.1	6907	AA	GG	GG	INTERGENIC		
SNP_71540B_7108	scaffold2208	NW_004517218.1	7108	AA	CC	CC	INTERGENIC		
SNP_71541B_8289	scaffold2208	NW_004517218.1	8289	AA	TT	TT	INTERGENIC		
SNP_71542B_8352	scaffold2208	NW_004517218.1	8352	CC	TT	TT	INTERGENIC		
SNP_71543B_9693	scaffold2208	NW_004517218.1	9693	AA	CC	CC	INTERGENIC		
SNP_71544B_9893	scaffold2208	NW_004517218.1	9893	GG	TT	TT	INTERGENIC		
SNP_71545B_9986	scaffold2208	NW_004517218.1	9986	GG	AA	AA	INTERGENIC		
SNP_71546B_10099	scaffold2208	NW_004517218.1	10099	CC	TT	TT	INTERGENIC		
SNP_71548B_10470	scaffold2208	NW_004517218.1	10470	CC	AA	AA	INTERGENIC		
SNP_71549B_10560	scaffold2208	NW_004517218.1	10560	CC	GG	GG	INTERGENIC		
SNP_71550B_10678	scaffold2208	NW_004517218.1	10678	GG	TT	TT	INTERGENIC		
SNP_71551B_10689	scaffold2208	NW_004517218.1	10689	GG	AA	AA	INTERGENIC		
SNP_71552B_18880	scaffold2208	NW_004517218.1	18880	AA	GG	GG	INTERGENIC		
SNP_71553B_18910	scaffold2208	NW_004517218.1	18910	TT	AA	AA	INTERGENIC		
SNP_71554B_19894	scaffold2208	NW_004517218.1	19894	AA	GG	GG	INTERGENIC		
SNP_71555B_19895	scaffold2208	NW_004517218.1	19895	GG	CC	CC	INTERGENIC		
SNP_71557B_20963	scaffold2208	NW_004517218.1	20963	TT	AA	AA	INTERGENIC		
SNP_71558B_21019	scaffold2208	NW_004517218.1	21019	TT	CC	CC	INTERGENIC		
SNP_71559B_21484	scaffold2208	NW_004517218.1	21484	TT	CC	CC	INTERGENIC		
SNP_71560B_64	scaffold2210	NW_004517220.1	64	AA	TT	TT	INTERGENIC		
SNP_71561B_1236	scaffold2210	NW_004517220.1	1236	AA	GG	GG	INTERGENIC		
SNP_71562B_5860	scaffold2210	NW_004517220.1	5860	GG	AA	AA	INTERGENIC		
SNP_71563B_7551	scaffold2210	NW_004517220.1	7551	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71564B_7654	scaffold2210	NW_004517220.1	7654	AA	GG	GG	INTERGENIC		
SNP_71565B_7742	scaffold2210	NW_004517220.1	7742	GG	CC	CC	INTERGENIC		
SNP_71566B_8048	scaffold2210	NW_004517220.1	8048	TT	GG	GG	INTERGENIC		
SNP_71567B_14789	scaffold2210	NW_004517220.1	14789	TT	CC	CC	INTERGENIC		
SNP_71568B_14858	scaffold2210	NW_004517220.1	14858	TT	CC	CC	INTERGENIC		
SNP_71569B_15142	scaffold2210	NW_004517220.1	15142	AA	GG	GG	INTERGENIC		
SNP_71570B_15168	scaffold2210	NW_004517220.1	15168	GG	TT	TT	INTERGENIC		
SNP_71572B_15240	scaffold2210	NW_004517220.1	15240	AA	CC	CC	INTERGENIC		
SNP_71573B_15281	scaffold2210	NW_004517220.1	15281	AA	GG	GG	INTERGENIC		
SNP_71574B_15581	scaffold2210	NW_004517220.1	15581	CC	TT	TT	INTERGENIC		
SNP_71575B_22578	scaffold2210	NW_004517220.1	22578	AA	CC	CC	INTERGENIC		
SNP_71576B_22593	scaffold2210	NW_004517220.1	22593	CC	TT	TT	INTERGENIC		
SNP_71577B_22713	scaffold2210	NW_004517220.1	22713	CC	TT	TT	INTERGENIC		
SNP_71578B_22716	scaffold2210	NW_004517220.1	22716	TT	GG	GG	INTERGENIC		
SNP_71579B_22804	scaffold2210	NW_004517220.1	22804	CC	TT	TT	INTERGENIC		
SNP_71580B_22805	scaffold2210	NW_004517220.1	22805	GG	AA	AA	INTERGENIC		
SNP_71581B_22811	scaffold2210	NW_004517220.1	22811	CC	AA	AA	INTERGENIC		
SNP_71582B_22850	scaffold2210	NW_004517220.1	22850	CC	GG	GG	INTERGENIC		
SNP_71583B_27831	scaffold2210	NW_004517220.1	27831	TT	CC	CC	INTERGENIC		
SNP_71584B_27940	scaffold2210	NW_004517220.1	27940	CC	GG	GG	INTERGENIC		
SNP_71585B_27963	scaffold2210	NW_004517220.1	27963	TT	GG	GG	INTERGENIC		
SNP_71586B_28711	scaffold2210	NW_004517220.1	28711	AA	TT	TT	INTERGENIC		
SNP_71587B_28870	scaffold2210	NW_004517220.1	28870	CC	TT	TT	INTERGENIC		
SNP_71588B_28960	scaffold2210	NW_004517220.1	28960	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71589B_31289	scaffold2210	NW_004517220.1	31289	AA	GG	GG	INTERGENIC		
SNP_71590B_31348	scaffold2210	NW_004517220.1	31348	AA	CC	CC	INTERGENIC		
SNP_71591B_31451	scaffold2210	NW_004517220.1	31451	TT	GG	GG	INTERGENIC		
SNP_71592B_31456	scaffold2210	NW_004517220.1	31456	CC	GG	GG	INTERGENIC		
SNP_71593B_31533	scaffold2210	NW_004517220.1	31533	TT	CC	CC	INTERGENIC		
SNP_71594B_31555	scaffold2210	NW_004517220.1	31555	TT	AA	AA	INTERGENIC		
SNP_71595B_35034	scaffold2210	NW_004517220.1	35034	AA	GG	GG	INTERGENIC		
SNP_71596B_36016	scaffold2210	NW_004517220.1	36016	GG	AA	AA	INTERGENIC		
SNP_71597B_36082	scaffold2210	NW_004517220.1	36082	AA	CC	CC	INTERGENIC		
SNP_71598B_36346	scaffold2210	NW_004517220.1	36346	GG	TT	TT	INTERGENIC		
SNP_71599B_36355	scaffold2210	NW_004517220.1	36355	AA	GG	GG	INTERGENIC		
SNP_71600B_36360	scaffold2210	NW_004517220.1	36360	TT	GG	GG	INTERGENIC		
SNP_71601B_36361	scaffold2210	NW_004517220.1	36361	GG	TT	TT	INTERGENIC		
SNP_71602B_55226	scaffold2210	NW_004517220.1	55226	CC	AA	AA	INTERGENIC		
SNP_71603B_55230	scaffold2210	NW_004517220.1	55230	AA	TT	TT	INTERGENIC		
SNP_71604B_55922	scaffold2210	NW_004517220.1	55922	AA	CC	CC	INTERGENIC		
SNP_71605B_57331	scaffold2210	NW_004517220.1	57331	TT	CC	CC	INTERGENIC		
SNP_71606B_57352	scaffold2210	NW_004517220.1	57352	CC	TT	TT	INTERGENIC		
SNP_71607B_57543	scaffold2210	NW_004517220.1	57543	GG	AA	AA	INTERGENIC		
SNP_71608B_57579	scaffold2210	NW_004517220.1	57579	CC	TT	TT	INTERGENIC		
SNP_71609B_57645	scaffold2210	NW_004517220.1	57645	AA	GG	GG	INTERGENIC		
SNP_71610B_57682	scaffold2210	NW_004517220.1	57682	TT	GG	GG	INTERGENIC		
SNP_71611B_58470	scaffold2210	NW_004517220.1	58470	AA	GG	GG	INTERGENIC		
SNP_71612B_60894	scaffold2210	NW_004517220.1	60894	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71613B_60897	scaffold2210	NW_004517220.1	60897	AA	GG	GG	INTERGENIC		
SNP_71615B_62744	scaffold2210	NW_004517220.1	62744	TT	CC	CC	INTERGENIC		
SNP_71616B_62879	scaffold2210	NW_004517220.1	62879	AA	CC	CC	INTERGENIC		
SNP_71617B_63138	scaffold2210	NW_004517220.1	63138	CC	TT	TT	INTERGENIC		
SNP_71618B_63154	scaffold2210	NW_004517220.1	63154	GG	CC	CC	INTERGENIC		
SNP_71619B_63171	scaffold2210	NW_004517220.1	63171	TT	CC	CC	INTERGENIC		
SNP_71620B_63863	scaffold2210	NW_004517220.1	63863	CC	TT	TT	INTERGENIC		
SNP_71621B_65748	scaffold2210	NW_004517220.1	65748	TT	GG	GG	INTERGENIC		
SNP_71622B_65998	scaffold2210	NW_004517220.1	65998	TT	CC	CC	INTERGENIC		
SNP_71623B_66094	scaffold2210	NW_004517220.1	66094	GG	TT	TT	INTERGENIC		
SNP_71624B_66247	scaffold2210	NW_004517220.1	66247	TT	AA	AA	INTERGENIC		
SNP_71625B_66398	scaffold2210	NW_004517220.1	66398	GG	AA	AA	INTERGENIC		
SNP_71626B_70162	scaffold2210	NW_004517220.1	70162	CC	TT	TT	INTERGENIC		
SNP_71627B_71295	scaffold2210	NW_004517220.1	71295	CC	TT	TT	INTERGENIC		
SNP_71628B_71594	scaffold2210	NW_004517220.1	71594	GG	AA	AA	INTERGENIC		
SNP_71629B_71630	scaffold2210	NW_004517220.1	71630	TT	GG	GG	INTERGENIC		
SNP_71630B_72009	scaffold2210	NW_004517220.1	72009	GG	AA	AA	INTERGENIC		
SNP_71631B_72543	scaffold2210	NW_004517220.1	72543	TT	AA	AA	INTERGENIC		
SNP_71632B_10814	scaffold2214	NW_004517223.1	10814	AA	CC	CC	INTERGENIC		
SNP_71633B_9487	scaffold2216	NW_004517224.1	9487	GG	AA	AA	INTERGENIC		
SNP_71634B_9491	scaffold2216	NW_004517224.1	9491	TT	CC	CC	INTERGENIC		
SNP_71635B_9527	scaffold2216	NW_004517224.1	9527	CC	GG	GG	INTERGENIC		
SNP_71636B_9921	scaffold2216	NW_004517224.1	9921	AA	GG	GG	INTERGENIC		
SNP_71637B_32103	scaffold2216	NW_004517224.1	32103	GG	TT	TT	DRR	101511323	probable anion transporter 5

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71638B_32109	scaffold2216	NW_004517224.1	32109	AA	TT	TT	DRR	101511323	probable anion transporter 5
SNP_71639B_1354	scaffold2218	NW_004517226.1	1354	TT	AA	AA	INTERGENIC		
SNP_71640B_1608	scaffold2218	NW_004517226.1	1608	CC	TT	TT	INTERGENIC		
SNP_71641B_10536	scaffold2218	NW_004517226.1	10536	CC	AA	AA	INTERGENIC		
SNP_71642B_10571	scaffold2218	NW_004517226.1	10571	TT	CC	CC	INTERGENIC		
SNP_71643B_10606	scaffold2218	NW_004517226.1	10606	GG	AA	AA	INTERGENIC		
SNP_71644B_10834	scaffold2218	NW_004517226.1	10834	AA	TT	TT	INTERGENIC		
SNP_71645B_10934	scaffold2218	NW_004517226.1	10934	GG	AA	AA	INTERGENIC		
SNP_71646B_11163	scaffold2218	NW_004517226.1	11163	TT	CC	CC	INTERGENIC		
SNP_71647B_11925	scaffold2218	NW_004517226.1	11925	GG	AA	AA	INTERGENIC		
SNP_71648B_12575	scaffold2218	NW_004517226.1	12575	GG	AA	AA	INTERGENIC		
SNP_71649B_10398	scaffold2219	NW_004517227.1	10398	CC	AA	AA	INTERGENIC		
SNP_71650B_10451	scaffold2219	NW_004517227.1	10451	TT	GG	GG	INTERGENIC		
SNP_71651B_10456	scaffold2219	NW_004517227.1	10456	AA	GG	GG	INTERGENIC		
SNP_71652B_701	scaffold2225	NW_004517230.1	701	AA	GG	GG	INTERGENIC		
SNP_71653B_702	scaffold2225	NW_004517230.1	702	GG	AA	AA	INTERGENIC		
SNP_71654B_708	scaffold2225	NW_004517230.1	708	TT	CC	CC	INTERGENIC		
SNP_71655B_1830	scaffold2227	NW_004517232.1	1830	AA	CC	CC	INTERGENIC		
SNP_71656B_16917	scaffold2227	NW_004517232.1	16917	CC	TT	TT	INTERGENIC		
SNP_71657B_27899	scaffold2227	NW_004517232.1	27899	GG	AA	AA	INTERGENIC		
SNP_71658B_29242	scaffold2227	NW_004517232.1	29242	AA	GG	GG	INTERGENIC		
SNP_71659B_29258	scaffold2227	NW_004517232.1	29258	CC	AA	AA	INTERGENIC		
SNP_71660B_29271	scaffold2227	NW_004517232.1	29271	TT	CC	CC	INTERGENIC		
SNP_71661B_29276	scaffold2227	NW_004517232.1	29276	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71662B_29299	scaffold2227	NW_004517232.1	29299	CC	TT	TT	INTERGENIC		
SNP_71663B_29312	scaffold2227	NW_004517232.1	29312	TT	CC	CC	INTERGENIC		
SNP_71664B_29338	scaffold2227	NW_004517232.1	29338	AA	GG	GG	INTERGENIC		
SNP_71665B_29458	scaffold2227	NW_004517232.1	29458	GG	AA	AA	INTERGENIC		
SNP_71666B_29464	scaffold2227	NW_004517232.1	29464	TT	CC	CC	INTERGENIC		
SNP_71667B_29467	scaffold2227	NW_004517232.1	29467	TT	CC	CC	INTERGENIC		
SNP_71668B_29500	scaffold2227	NW_004517232.1	29500	AA	TT	TT	INTERGENIC		
SNP_71669B_29503	scaffold2227	NW_004517232.1	29503	GG	AA	AA	INTERGENIC		
SNP_71670B_29524	scaffold2227	NW_004517232.1	29524	TT	AA	AA	INTERGENIC		
SNP_71671B_29530	scaffold2227	NW_004517232.1	29530	AA	CC	CC	INTERGENIC		
SNP_71672B_29793	scaffold2227	NW_004517232.1	29793	GG	AA	AA	INTERGENIC		
SNP_71673B_53549	scaffold2227	NW_004517232.1	53549	GG	CC	CC	INTERGENIC		
SNP_71674B_581	scaffold2233	NW_004517236.1	581	TT	AA	AA	INTERGENIC		
SNP_71675B_870	scaffold2233	NW_004517236.1	870	TT	AA	AA	INTERGENIC		
SNP_71676B_1811	scaffold2235	NW_004517238.1	1811	GG	AA	AA	INTERGENIC		
SNP_71677B_1542	scaffold2238	NW_004517240.1	1542	AA	CC	CC	INTERGENIC		
SNP_71678B_720	scaffold2239	NW_004517241.1	720	AA	CC	CC	INTERGENIC		
SNP_71679B_815	scaffold2239	NW_004517241.1	815	GG	AA	AA	INTERGENIC		
SNP_71680B_972	scaffold2239	NW_004517241.1	972	AA	TT	TT	INTERGENIC		
SNP_71681B_979	scaffold2240	NW_004517242.1	979	GG	CC	CC	INTERGENIC		
SNP_71682B_5892	scaffold2241	NW_004517243.1	5892	GG	AA	AA	INTERGENIC		
SNP_71683B_5916	scaffold2241	NW_004517243.1	5916	CC	GG	GG	INTERGENIC		
SNP_71685B_6285	scaffold2241	NW_004517243.1	6285	TT	CC	CC	INTERGENIC		
SNP_71686B_6524	scaffold2241	NW_004517243.1	6524	GG	CC	CC	DRR	101512197	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71687B_24860	scaffold2241	NW_004517243.1	24860	AA	GG	GG	INTERGENIC		
SNP_71688B_378	scaffold2243	NW_004517244.1	378	GG	CC	CC	INTERGENIC		
SNP_71689B_647	scaffold2243	NW_004517244.1	647	AA	CC	CC	INTERGENIC		
SNP_71690B_648	scaffold2243	NW_004517244.1	648	TT	CC	CC	INTERGENIC		
SNP_71691B_678	scaffold2243	NW_004517244.1	678	CC	AA	AA	INTERGENIC		
SNP_71692B_797	scaffold2243	NW_004517244.1	797	CC	GG	GG	INTERGENIC		
SNP_71693B_823	scaffold2243	NW_004517244.1	823	AA	GG	GG	INTERGENIC		
SNP_71694B_6035	scaffold2244	NW_004517245.1	6035	TT	CC	CC	INTERGENIC		
SNP_71695B_6071	scaffold2244	NW_004517245.1	6071	CC	AA	AA	INTERGENIC		
SNP_71696B_6162	scaffold2244	NW_004517245.1	6162	CC	TT	TT	INTERGENIC		
SNP_71697B_6173	scaffold2244	NW_004517245.1	6173	TT	CC	CC	INTERGENIC		
SNP_71698B_6404	scaffold2244	NW_004517245.1	6404	GG	AA	AA	INTERGENIC		
SNP_71699B_334	scaffold2249	NW_004517249.1	334	AA	GG	GG	INTERGENIC		
SNP_71700B_413	scaffold2249	NW_004517249.1	413	GG	TT	TT	INTERGENIC		
SNP_71701B_436	scaffold2249	NW_004517249.1	436	GG	TT	TT	INTERGENIC		
SNP_71702B_450	scaffold2249	NW_004517249.1	450	CC	TT	TT	INTERGENIC		
SNP_71703B_567	scaffold2249	NW_004517249.1	567	CC	TT	TT	INTERGENIC		
SNP_71704B_587	scaffold2249	NW_004517249.1	587	TT	CC	CC	INTERGENIC		
SNP_71705B_609	scaffold2249	NW_004517249.1	609	CC	TT	TT	INTERGENIC		
SNP_71706B_627	scaffold2249	NW_004517249.1	627	CC	TT	TT	INTERGENIC		
SNP_71707B_776	scaffold2249	NW_004517249.1	776	TT	AA	AA	INTERGENIC		
SNP_71708B_793	scaffold2249	NW_004517249.1	793	CC	TT	TT	INTERGENIC		
SNP_71709B_930	scaffold2249	NW_004517249.1	930	CC	TT	TT	INTERGENIC		
SNP_71710B_945	scaffold2249	NW_004517249.1	945	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71712B_23911	scaffold2249	NW_004517249.1	23911	AA	GG	GG	INTERGENIC		
SNP_71713B_36210	scaffold2249	NW_004517249.1	36210	TT	CC	CC	INTERGENIC		
SNP_71714B_49072	scaffold2249	NW_004517249.1	49072	GG	TT	TT	INTERGENIC		
SNP_71715B_49091	scaffold2249	NW_004517249.1	49091	TT	GG	GG	INTERGENIC		
SNP_71716B_49358	scaffold2249	NW_004517249.1	49358	AA	TT	TT	INTERGENIC		
SNP_71717B_54266	scaffold2249	NW_004517249.1	54266	TT	GG	GG	INTERGENIC		
SNP_71718B_54494	scaffold2249	NW_004517249.1	54494	CC	TT	TT	INTERGENIC		
SNP_71719B_56871	scaffold2249	NW_004517249.1	56871	TT	GG	GG	INTERGENIC		
SNP_71720B_56882	scaffold2249	NW_004517249.1	56882	CC	AA	AA	INTERGENIC		
SNP_71721B_56900	scaffold2249	NW_004517249.1	56900	GG	CC	CC	INTERGENIC		
SNP_71722B_73871	scaffold2249	NW_004517249.1	73871	AA	GG	GG	INTERGENIC		
SNP_71723B_73872	scaffold2249	NW_004517249.1	73872	GG	TT	TT	INTERGENIC		
SNP_71724B_73889	scaffold2249	NW_004517249.1	73889	GG	AA	AA	INTERGENIC		
SNP_71725B_80858	scaffold2249	NW_004517249.1	80858	TT	GG	GG	INTERGENIC		
SNP_71726B_80879	scaffold2249	NW_004517249.1	80879	TT	GG	GG	INTERGENIC		
SNP_71727B_83478	scaffold2249	NW_004517249.1	83478	AA	GG	GG	INTERGENIC		
SNP_71728B_83501	scaffold2249	NW_004517249.1	83501	TT	CC	CC	INTERGENIC		
SNP_71729B_83539	scaffold2249	NW_004517249.1	83539	TT	GG	GG	INTERGENIC		
SNP_71730B_437	scaffold2254	NW_004517253.1	437	AA	TT	TT	INTERGENIC		
SNP_71731B_462	scaffold2254	NW_004517253.1	462	AA	TT	TT	INTERGENIC		
SNP_71732B_707	scaffold2256	NW_004517254.1	707	CC	TT	TT	INTERGENIC		
SNP_71733B_1033	scaffold2256	NW_004517254.1	1033	CC	TT	TT	INTERGENIC		
SNP_71734B_1468	scaffold2256	NW_004517254.1	1468	GG	AA	AA	INTERGENIC		
SNP_71735B_1621	scaffold2256	NW_004517254.1	1621	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71736B_1947	scaffold2256	NW_004517254.1	1947	TT	CC	CC	INTERGENIC		
SNP_71737B_2350	scaffold2256	NW_004517254.1	2350	GG	AA	AA	INTERGENIC		
SNP_71738B_3282	scaffold2256	NW_004517254.1	3282	CC	GG	GG	INTERGENIC		
SNP_71739B_2221	scaffold2258	NW_004517256.1	2221	AA	TT	TT	INTERGENIC		
SNP_71740B_2311	scaffold2258	NW_004517256.1	2311	AA	GG	GG	INTERGENIC		
SNP_71741B_1517	scaffold2263	NW_004517259.1	1517	TT	AA	AA	INTERGENIC		
SNP_71742B_1769	scaffold2263	NW_004517259.1	1769	AA	TT	TT	INTERGENIC		
SNP_71743B_1821	scaffold2263	NW_004517259.1	1821	TT	CC	CC	INTERGENIC		
SNP_71744B_1990	scaffold2263	NW_004517259.1	1990	AA	CC	CC	INTERGENIC		
SNP_71745B_2195	scaffold2263	NW_004517259.1	2195	CC	TT	TT	INTERGENIC		
SNP_71746B_1077	scaffold2268	NW_004517262.1	1077	TT	CC	CC	INTERGENIC		
SNP_71747B_7122	scaffold2268	NW_004517262.1	7122	AA	GG	GG	INTERGENIC		
SNP_71750B_9184	scaffold2268	NW_004517262.1	9184	AA	GG	GG	INTERGENIC		
SNP_71751B_18469	scaffold2269	NW_004517263.1	18469	AA	GG	GG	INTERGENIC		
SNP_71752B_20143	scaffold2269	NW_004517263.1	20143	TT	AA	AA	INTERGENIC		
SNP_71753B_43093	scaffold2269	NW_004517263.1	43093	TT	GG	GG	INTERGENIC		
SNP_71754B_43131	scaffold2269	NW_004517263.1	43131	AA	GG	GG	INTERGENIC		
SNP_71755B_43136	scaffold2269	NW_004517263.1	43136	AA	GG	GG	INTERGENIC		
SNP_71756B_43194	scaffold2269	NW_004517263.1	43194	AA	CC	CC	INTERGENIC		
SNP_71757B_43242	scaffold2269	NW_004517263.1	43242	TT	GG	GG	INTERGENIC		
SNP_71758B_43296	scaffold2269	NW_004517263.1	43296	GG	AA	AA	INTERGENIC		
SNP_71759B_43312	scaffold2269	NW_004517263.1	43312	TT	GG	GG	INTERGENIC		
SNP_71760B_43406	scaffold2269	NW_004517263.1	43406	AA	GG	GG	INTERGENIC		
SNP_71761B_138906	scaffold2269	NW_004517263.1	138906	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71762B_139660	scaffold2269	NW_004517263.1	139660	AA	GG	GG	INTERGENIC		
SNP_71763B_167161	scaffold2269	NW_004517263.1	167161	CC	TT	TT	INTERGENIC		
SNP_71764B_173448	scaffold2269	NW_004517263.1	173448	GG	CC	CC	INTERGENIC		
SNP_71765B_173462	scaffold2269	NW_004517263.1	173462	TT	CC	CC	INTERGENIC		
SNP_71766B_173755	scaffold2269	NW_004517263.1	173755	TT	CC	CC	INTERGENIC		
SNP_71767B_173770	scaffold2269	NW_004517263.1	173770	AA	GG	GG	INTERGENIC		
SNP_71768B_1589	scaffold2273	NW_004517265.1	1589	GG	AA	AA	INTERGENIC		
SNP_71769B_1592	scaffold2273	NW_004517265.1	1592	CC	GG	GG	INTERGENIC		
SNP_71770B_2665	scaffold2273	NW_004517265.1	2665	GG	TT	TT	INTERGENIC		
SNP_71771B_2951	scaffold2273	NW_004517265.1	2951	TT	CC	CC	INTERGENIC		
SNP_71772B_3143	scaffold2273	NW_004517265.1	3143	CC	TT	TT	INTERGENIC		
SNP_71773B_3203	scaffold2273	NW_004517265.1	3203	GG	AA	AA	INTERGENIC		
SNP_71774B_3216	scaffold2273	NW_004517265.1	3216	GG	AA	AA	INTERGENIC		
SNP_71775B_3234	scaffold2273	NW_004517265.1	3234	CC	TT	TT	INTERGENIC		
SNP_71776B_3261	scaffold2273	NW_004517265.1	3261	TT	GG	GG	INTERGENIC		
SNP_71777B_12285	scaffold2273	NW_004517265.1	12285	AA	GG	GG	INTERGENIC		
SNP_71778B_22795	scaffold2273	NW_004517265.1	22795	CC	GG	GG	INTERGENIC		
SNP_71779B_24428	scaffold2273	NW_004517265.1	24428	GG	TT	TT	INTERGENIC		
SNP_71780B_24444	scaffold2273	NW_004517265.1	24444	GG	AA	AA	INTERGENIC		
SNP_71781B_24808	scaffold2273	NW_004517265.1	24808	AA	GG	GG	INTERGENIC		
SNP_71782B_24962	scaffold2273	NW_004517265.1	24962	AA	TT	TT	INTERGENIC		
SNP_71783B_32935	scaffold2273	NW_004517265.1	32935	GG	TT	TT	INTERGENIC		
SNP_71784B_33128	scaffold2273	NW_004517265.1	33128	GG	TT	TT	INTERGENIC		
SNP_71785B_33158	scaffold2273	NW_004517265.1	33158	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71786B_33172	scaffold2273	NW_004517265.1	33172	CC	GG	GG	INTERGENIC		
SNP_71787B_33186	scaffold2273	NW_004517265.1	33186	TT	GG	GG	INTERGENIC		
SNP_71789B_1655	scaffold2280	NW_004517269.1	1655	TT	AA	AA	INTERGENIC		
SNP_71790B_8047	scaffold2282	NW_004517271.1	8047	TT	GG	GG	INTERGENIC		
SNP_71791B_8068	scaffold2282	NW_004517271.1	8068	CC	TT	TT	INTERGENIC		
SNP_71792B_8079	scaffold2282	NW_004517271.1	8079	TT	AA	AA	INTERGENIC		
SNP_71793B_8080	scaffold2282	NW_004517271.1	8080	GG	AA	AA	INTERGENIC		
SNP_71794B_8096	scaffold2282	NW_004517271.1	8096	TT	GG	GG	INTERGENIC		
SNP_71795B_8113	scaffold2282	NW_004517271.1	8113	TT	AA	AA	INTERGENIC		
SNP_71796B_93	scaffold2287	NW_004517274.1	93	AA	CC	CC	INTERGENIC		
SNP_71797B_123	scaffold2287	NW_004517274.1	123	GG	TT	TT	INTERGENIC		
SNP_71798B_231	scaffold2287	NW_004517274.1	231	CC	GG	GG	INTERGENIC		
SNP_71799B_326	scaffold2287	NW_004517274.1	326	AA	GG	GG	INTERGENIC		
SNP_71801B_399	scaffold2287	NW_004517274.1	399	GG	CC	CC	INTERGENIC		
SNP_71802B_436	scaffold2287	NW_004517274.1	436	GG	AA	AA	INTERGENIC		
SNP_71803B_439	scaffold2287	NW_004517274.1	439	GG	AA	AA	INTERGENIC		
SNP_71804B_506	scaffold2287	NW_004517274.1	506	GG	AA	AA	INTERGENIC		
SNP_71805B_528	scaffold2287	NW_004517274.1	528	CC	TT	TT	INTERGENIC		
SNP_71806B_591	scaffold2287	NW_004517274.1	591	TT	CC	CC	INTERGENIC		
SNP_71807B_630	scaffold2287	NW_004517274.1	630	TT	GG	GG	INTERGENIC		
SNP_71808B_659	scaffold2287	NW_004517274.1	659	GG	AA	AA	INTERGENIC		
SNP_71809B_675	scaffold2287	NW_004517274.1	675	TT	GG	GG	INTERGENIC		
SNP_71810B_885	scaffold2287	NW_004517274.1	885	CC	TT	TT	INTERGENIC		
SNP_71811B_910	scaffold2287	NW_004517274.1	910	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71812B_979	scaffold2287	NW_004517274.1	979	GG	TT	TT	INTERGENIC		
SNP_71813B_1086	scaffold2287	NW_004517274.1	1086	AA	TT	TT	INTERGENIC		
SNP_71814B_1092	scaffold2287	NW_004517274.1	1092	GG	AA	AA	INTERGENIC		
SNP_71815B_1125	scaffold2287	NW_004517274.1	1125	AA	GG	GG	INTERGENIC		
SNP_71816B_3235	scaffold2289	NW_004517275.1	3235	CC	TT	TT	INTERGENIC		
SNP_71817B_3278	scaffold2289	NW_004517275.1	3278	TT	AA	AA	INTERGENIC		
SNP_71818B_11997	scaffold2289	NW_004517275.1	11997	CC	GG	GG	INTERGENIC		
SNP_71819B_12701	scaffold2289	NW_004517275.1	12701	GG	CC	CC	INTERGENIC		
SNP_71820B_12817	scaffold2289	NW_004517275.1	12817	GG	AA	AA	INTERGENIC		
SNP_71822B_13134	scaffold2289	NW_004517275.1	13134	AA	GG	GG	INTERGENIC		
SNP_71823B_13154	scaffold2289	NW_004517275.1	13154	AA	TT	TT	INTERGENIC		
SNP_71824B_15352	scaffold2289	NW_004517275.1	15352	GG	TT	TT	INTERGENIC		
SNP_71825B_15381	scaffold2289	NW_004517275.1	15381	AA	GG	GG	INTERGENIC		
SNP_71826B_15688	scaffold2289	NW_004517275.1	15688	CC	TT	TT	INTERGENIC		
SNP_71827B_1979	scaffold2291	NW_004517277.1	1979	AA	GG	GG	INTERGENIC		
SNP_71828B_1353	scaffold2301	NW_004517285.1	1353	GG	CC	CC	INTERGENIC		
SNP_71830B_1628	scaffold2301	NW_004517285.1	1628	AA	GG	GG	INTERGENIC		
SNP_71831B_1668	scaffold2301	NW_004517285.1	1668	CC	AA	AA	INTERGENIC		
SNP_71832B_1754	scaffold2301	NW_004517285.1	1754	TT	GG	GG	INTERGENIC		
SNP_71833B_1800	scaffold2301	NW_004517285.1	1800	CC	TT	TT	INTERGENIC		
SNP_71834B_1879	scaffold2301	NW_004517285.1	1879	AA	CC	CC	INTERGENIC		
SNP_71835B_1885	scaffold2301	NW_004517285.1	1885	GG	AA	AA	INTERGENIC		
SNP_71836B_1886	scaffold2301	NW_004517285.1	1886	GG	CC	CC	INTERGENIC		
SNP_71837B_1984	scaffold2301	NW_004517285.1	1984	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71838B_1988	scaffold2301	NW_004517285.1	1988	TT	CC	CC	INTERGENIC		
SNP_71839B_1997	scaffold2301	NW_004517285.1	1997	TT	CC	CC	INTERGENIC		
SNP_71840B_2072	scaffold2301	NW_004517285.1	2072	CC	TT	TT	INTERGENIC		
SNP_71841B_2298	scaffold2301	NW_004517285.1	2298	AA	GG	GG	INTERGENIC		
SNP_71842B_2316	scaffold2301	NW_004517285.1	2316	AA	GG	GG	INTERGENIC		
SNP_71843B_2422	scaffold2301	NW_004517285.1	2422	CC	GG	GG	INTERGENIC		
SNP_71844B_2806	scaffold2301	NW_004517285.1	2806	AA	TT	TT	INTERGENIC		
SNP_71845B_6258	scaffold2301	NW_004517285.1	6258	GG	TT	TT	INTERGENIC		
SNP_71847B_6560	scaffold2301	NW_004517285.1	6560	TT	CC	CC	INTERGENIC		
SNP_71848B_7927	scaffold2301	NW_004517285.1	7927	TT	CC	CC	INTERGENIC		
SNP_71849B_8048	scaffold2301	NW_004517285.1	8048	TT	CC	CC	INTERGENIC		
SNP_71850B_8087	scaffold2301	NW_004517285.1	8087	AA	GG	GG	INTERGENIC		
SNP_71851B_8102	scaffold2301	NW_004517285.1	8102	TT	CC	CC	INTERGENIC		
SNP_71852B_8120	scaffold2301	NW_004517285.1	8120	CC	TT	TT	INTERGENIC		
SNP_71853B_8210	scaffold2301	NW_004517285.1	8210	AA	GG	GG	INTERGENIC		
SNP_71854B_8287	scaffold2301	NW_004517285.1	8287	TT	CC	CC	INTERGENIC		
SNP_71855B_8304	scaffold2301	NW_004517285.1	8304	CC	GG	GG	INTERGENIC		
SNP_71856B_8330	scaffold2301	NW_004517285.1	8330	GG	TT	TT	INTERGENIC		
SNP_71857B_8396	scaffold2301	NW_004517285.1	8396	AA	GG	GG	INTERGENIC		
SNP_71858B_8416	scaffold2301	NW_004517285.1	8416	CC	GG	GG	INTERGENIC		
SNP_71859B_8429	scaffold2301	NW_004517285.1	8429	CC	AA	AA	INTERGENIC		
SNP_71860B_8453	scaffold2301	NW_004517285.1	8453	AA	GG	GG	INTERGENIC		
SNP_71861B_8495	scaffold2301	NW_004517285.1	8495	AA	GG	GG	INTERGENIC		
SNP_71862B_15413	scaffold2301	NW_004517285.1	15413	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71863B_18125	scaffold2301	NW_004517285.1	18125	AA	CC	CC	INTERGENIC		
SNP_71864B_18154	scaffold2301	NW_004517285.1	18154	CC	TT	TT	INTERGENIC		
SNP_71865B_18175	scaffold2301	NW_004517285.1	18175	TT	CC	CC	INTERGENIC		
SNP_71866B_18192	scaffold2301	NW_004517285.1	18192	TT	AA	AA	INTERGENIC		
SNP_71867B_18265	scaffold2301	NW_004517285.1	18265	CC	TT	TT	INTERGENIC		
SNP_71868B_18330	scaffold2301	NW_004517285.1	18330	AA	TT	TT	INTERGENIC		
SNP_71869B_18491	scaffold2301	NW_004517285.1	18491	TT	GG	GG	INTERGENIC		
SNP_71870B_18515	scaffold2301	NW_004517285.1	18515	TT	GG	GG	INTERGENIC		
SNP_71871B_18552	scaffold2301	NW_004517285.1	18552	TT	CC	CC	INTERGENIC		
SNP_71872B_18609	scaffold2301	NW_004517285.1	18609	AA	GG	GG	INTERGENIC		
SNP_71873B_18663	scaffold2301	NW_004517285.1	18663	GG	AA	AA	INTERGENIC		
SNP_71874B_18687	scaffold2301	NW_004517285.1	18687	AA	GG	GG	INTERGENIC		
SNP_71875B_18693	scaffold2301	NW_004517285.1	18693	CC	TT	TT	INTERGENIC		
SNP_71877B_18732	scaffold2301	NW_004517285.1	18732	TT	AA	AA	INTERGENIC		
SNP_71878B_22439	scaffold2301	NW_004517285.1	22439	AA	TT	TT	INTERGENIC		
SNP_71879B_22500	scaffold2301	NW_004517285.1	22500	GG	TT	TT	INTERGENIC		
SNP_71880B_22522	scaffold2301	NW_004517285.1	22522	CC	GG	GG	INTERGENIC		
SNP_71881B_22532	scaffold2301	NW_004517285.1	22532	TT	AA	AA	INTERGENIC		
SNP_71882B_22613	scaffold2301	NW_004517285.1	22613	AA	CC	CC	INTERGENIC		
SNP_71883B_22670	scaffold2301	NW_004517285.1	22670	CC	TT	TT	INTERGENIC		
SNP_71884B_22715	scaffold2301	NW_004517285.1	22715	TT	GG	GG	INTERGENIC		
SNP_71886B_22891	scaffold2301	NW_004517285.1	22891	CC	TT	TT	INTERGENIC		
SNP_71887B_22998	scaffold2301	NW_004517285.1	22998	AA	GG	GG	INTERGENIC		
SNP_71888B_23016	scaffold2301	NW_004517285.1	23016	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71889B_23021	scaffold2301	NW_004517285.1	23021	CC	TT	TT	INTERGENIC		
SNP_71890B_23022	scaffold2301	NW_004517285.1	23022	AA	GG	GG	INTERGENIC		
SNP_71891B_30310	scaffold2301	NW_004517285.1	30310	GG	AA	AA	INTERGENIC		
SNP_71892B_30344	scaffold2301	NW_004517285.1	30344	AA	GG	GG	INTERGENIC		
SNP_71893B_32024	scaffold2301	NW_004517285.1	32024	GG	AA	AA	INTERGENIC		
SNP_71894B_32044	scaffold2301	NW_004517285.1	32044	GG	AA	AA	INTERGENIC		
SNP_71895B_32049	scaffold2301	NW_004517285.1	32049	GG	AA	AA	INTERGENIC		
SNP_71896B_32162	scaffold2301	NW_004517285.1	32162	CC	TT	TT	INTERGENIC		
SNP_71897B_32179	scaffold2301	NW_004517285.1	32179	CC	TT	TT	INTERGENIC		
SNP_71898B_32192	scaffold2301	NW_004517285.1	32192	AA	GG	GG	INTERGENIC		
SNP_71899B_32231	scaffold2301	NW_004517285.1	32231	TT	CC	CC	INTERGENIC		
SNP_71900B_32237	scaffold2301	NW_004517285.1	32237	TT	GG	GG	INTERGENIC		
SNP_71901B_32243	scaffold2301	NW_004517285.1	32243	CC	TT	TT	INTERGENIC		
SNP_71902B_32309	scaffold2301	NW_004517285.1	32309	TT	CC	CC	INTERGENIC		
SNP_71903B_32456	scaffold2301	NW_004517285.1	32456	CC	TT	TT	INTERGENIC		
SNP_71904B_32682	scaffold2301	NW_004517285.1	32682	GG	CC	CC	INTERGENIC		
SNP_71905B_32687	scaffold2301	NW_004517285.1	32687	GG	TT	TT	INTERGENIC		
SNP_71906B_32710	scaffold2301	NW_004517285.1	32710	AA	GG	GG	INTERGENIC		
SNP_71907B_32833	scaffold2301	NW_004517285.1	32833	TT	CC	CC	INTERGENIC		
SNP_71908B_35155	scaffold2301	NW_004517285.1	35155	GG	AA	AA	INTERGENIC		
SNP_71909B_35264	scaffold2301	NW_004517285.1	35264	AA	GG	GG	INTERGENIC		
SNP_71910B_35634	scaffold2301	NW_004517285.1	35634	AA	TT	TT	INTERGENIC		
SNP_71911B_35650	scaffold2301	NW_004517285.1	35650	CC	TT	TT	INTERGENIC		
SNP_71912B_35762	scaffold2301	NW_004517285.1	35762	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71913B_35770	scaffold2301	NW_004517285.1	35770	CC	TT	TT	INTERGENIC		
SNP_71914B_35775	scaffold2301	NW_004517285.1	35775	CC	TT	TT	INTERGENIC		
SNP_71915B_35850	scaffold2301	NW_004517285.1	35850	GG	TT	TT	INTERGENIC		
SNP_71916B_36028	scaffold2301	NW_004517285.1	36028	TT	CC	CC	INTERGENIC		
SNP_71917B_36069	scaffold2301	NW_004517285.1	36069	GG	CC	CC	INTERGENIC		
SNP_71918B_36073	scaffold2301	NW_004517285.1	36073	TT	GG	GG	INTERGENIC		
SNP_71919B_36152	scaffold2301	NW_004517285.1	36152	CC	GG	GG	INTERGENIC		
SNP_71920B_41074	scaffold2301	NW_004517285.1	41074	CC	TT	TT	INTERGENIC		
SNP_71921B_41075	scaffold2301	NW_004517285.1	41075	AA	TT	TT	INTERGENIC		
SNP_71922B_41102	scaffold2301	NW_004517285.1	41102	GG	AA	AA	INTERGENIC		
SNP_71923B_41555	scaffold2301	NW_004517285.1	41555	GG	AA	AA	INTERGENIC		
SNP_71924B_43228	scaffold2301	NW_004517285.1	43228	CC	GG	GG	INTERGENIC		
SNP_71925B_43509	scaffold2301	NW_004517285.1	43509	TT	GG	GG	INTERGENIC		
SNP_71926B_43539	scaffold2301	NW_004517285.1	43539	TT	CC	CC	INTERGENIC		
SNP_71927B_53627	scaffold2301	NW_004517285.1	53627	GG	AA	AA	INTERGENIC		
SNP_71928B_53654	scaffold2301	NW_004517285.1	53654	TT	AA	AA	INTERGENIC		
SNP_71929B_53985	scaffold2301	NW_004517285.1	53985	GG	TT	TT	INTERGENIC		
SNP_71930B_54032	scaffold2301	NW_004517285.1	54032	AA	CC	CC	INTERGENIC		
SNP_71932B_54397	scaffold2301	NW_004517285.1	54397	AA	CC	CC	INTERGENIC		
SNP_71933B_54458	scaffold2301	NW_004517285.1	54458	TT	GG	GG	INTERGENIC		
SNP_71935B_55716	scaffold2301	NW_004517285.1	55716	TT	CC	CC	INTERGENIC		
SNP_71936B_55775	scaffold2301	NW_004517285.1	55775	GG	CC	CC	INTERGENIC		
SNP_71937B_57427	scaffold2301	NW_004517285.1	57427	AA	GG	GG	INTERGENIC		
SNP_71938B_61324	scaffold2301	NW_004517285.1	61324	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71939B_61420	scaffold2301	NW_004517285.1	61420	TT	CC	CC	INTERGENIC		
SNP_71940B_61465	scaffold2301	NW_004517285.1	61465	TT	AA	AA	INTERGENIC		
SNP_71941B_61535	scaffold2301	NW_004517285.1	61535	GG	AA	AA	INTERGENIC		
SNP_71942B_61556	scaffold2301	NW_004517285.1	61556	AA	GG	GG	INTERGENIC		
SNP_71943B_61612	scaffold2301	NW_004517285.1	61612	CC	GG	GG	INTERGENIC		
SNP_71944B_61660	scaffold2301	NW_004517285.1	61660	TT	CC	CC	INTERGENIC		
SNP_71945B_64479	scaffold2301	NW_004517285.1	64479	AA	GG	GG	INTERGENIC		
SNP_71946B_64756	scaffold2301	NW_004517285.1	64756	GG	CC	CC	INTERGENIC		
SNP_71947B_64800	scaffold2301	NW_004517285.1	64800	GG	AA	AA	INTERGENIC		
SNP_71948B_65036	scaffold2301	NW_004517285.1	65036	TT	GG	GG	INTERGENIC		
SNP_71949B_65266	scaffold2301	NW_004517285.1	65266	AA	GG	GG	INTERGENIC		
SNP_71951B_65354	scaffold2301	NW_004517285.1	65354	TT	AA	AA	INTERGENIC		
SNP_71952B_69173	scaffold2301	NW_004517285.1	69173	AA	TT	TT	DRR	101489080	uncharacterized LOC101489080
SNP_71953B_483	scaffold2311	NW_004517293.1	483	AA	GG	GG	INTERGENIC		
SNP_71955B_46597	scaffold2311	NW_004517293.1	46597	TT	CC	CC	INTERGENIC		
SNP_71956B_46664	scaffold2311	NW_004517293.1	46664	CC	TT	TT	INTERGENIC		
SNP_71957B_46940	scaffold2311	NW_004517293.1	46940	CC	TT	TT	INTERGENIC		
SNP_71958B_50622	scaffold2311	NW_004517293.1	50622	AA	GG	GG	INTERGENIC		
SNP_71959B_50702	scaffold2311	NW_004517293.1	50702	AA	GG	GG	INTERGENIC		
SNP_71960B_95317	scaffold2311	NW_004517293.1	95317	AA	CC	CC	INTERGENIC		
SNP_71961B_95332	scaffold2311	NW_004517293.1	95332	CC	TT	TT	INTERGENIC		
SNP_71962B_95346	scaffold2311	NW_004517293.1	95346	AA	CC	CC	INTERGENIC		
SNP_71963B_644	scaffold2314	NW_004517295.1	644	GG	TT	TT	INTERGENIC		
SNP_71965B_427	scaffold2319	NW_004517297.1	427	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71966B_492	scaffold2319	NW_004517297.1	492	AA	CC	CC	INTERGENIC		
SNP_71967B_518	scaffold2319	NW_004517297.1	518	AA	TT	TT	INTERGENIC		
SNP_71968B_636	scaffold2319	NW_004517297.1	636	AA	TT	TT	INTERGENIC		
SNP_71969B_6488	scaffold2322	NW_004517300.1	6488	GG	AA	AA	INTERGENIC		
SNP_71970B_7166	scaffold2322	NW_004517300.1	7166	GG	AA	AA	INTERGENIC		
SNP_71971B_49083	scaffold2325	NW_004517302.1	49083	AA	GG	GG	INTERGENIC		
SNP_71972B_51337	scaffold2325	NW_004517302.1	51337	GG	AA	AA	INTERGENIC		
SNP_71973B_51667	scaffold2325	NW_004517302.1	51667	AA	GG	GG	INTERGENIC		
SNP_71974B_51867	scaffold2325	NW_004517302.1	51867	AA	GG	GG	INTERGENIC		
SNP_71975B_52091	scaffold2325	NW_004517302.1	52091	TT	GG	GG	INTERGENIC		
SNP_71976B_52098	scaffold2325	NW_004517302.1	52098	AA	GG	GG	INTERGENIC		
SNP_71977B_58431	scaffold2325	NW_004517302.1	58431	TT	AA	AA	INTERGENIC		
SNP_71978B_58791	scaffold2325	NW_004517302.1	58791	TT	CC	CC	INTERGENIC		
SNP_71979B_58793	scaffold2325	NW_004517302.1	58793	GG	CC	CC	INTERGENIC		
SNP_71980B_58908	scaffold2325	NW_004517302.1	58908	AA	CC	CC	INTERGENIC		
SNP_71982B_60057	scaffold2325	NW_004517302.1	60057	CC	TT	TT	INTERGENIC		
SNP_71983B_60095	scaffold2325	NW_004517302.1	60095	GG	CC	CC	INTERGENIC		
SNP_71984B_60508	scaffold2325	NW_004517302.1	60508	AA	TT	TT	INTERGENIC		
SNP_71985B_60620	scaffold2325	NW_004517302.1	60620	GG	AA	AA	INTERGENIC		
SNP_71986B_60788	scaffold2325	NW_004517302.1	60788	CC	TT	TT	INTERGENIC		
SNP_71987B_61071	scaffold2325	NW_004517302.1	61071	GG	AA	AA	INTERGENIC		
SNP_71988B_61081	scaffold2325	NW_004517302.1	61081	AA	TT	TT	INTERGENIC		
SNP_71989B_10989	scaffold2328	NW_004517303.1	10989	AA	CC	CC	INTERGENIC		
SNP_71990B_13454	scaffold2328	NW_004517303.1	13454	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_71991B_13458	scaffold2328	NW_004517303.1	13458	AA	CC	CC	INTERGENIC		
SNP_71992B_13459	scaffold2328	NW_004517303.1	13459	TT	CC	CC	INTERGENIC		
SNP_71993B_13573	scaffold2328	NW_004517303.1	13573	CC	TT	TT	INTERGENIC		
SNP_71994B_13782	scaffold2328	NW_004517303.1	13782	AA	GG	GG	INTERGENIC		
SNP_71995B_13939	scaffold2328	NW_004517303.1	13939	TT	GG	GG	INTERGENIC		
SNP_71996B_13956	scaffold2328	NW_004517303.1	13956	TT	CC	CC	INTERGENIC		
SNP_71997B_94925	scaffold2330	NW_004517305.1	94925	AA	TT	TT	INTERGENIC		
SNP_71998B_94933	scaffold2330	NW_004517305.1	94933	TT	AA	AA	INTERGENIC		
SNP_71999B_64	scaffold2337	NW_004517309.1	64	GG	TT	TT	INTERGENIC		
SNP_72000B_745	scaffold2342	NW_004517313.1	745	CC	TT	TT	INTERGENIC		
SNP_72001B_944	scaffold2342	NW_004517313.1	944	CC	AA	AA	INTERGENIC		
SNP_72002B_981	scaffold2342	NW_004517313.1	981	CC	TT	TT	INTERGENIC		
SNP_72003B_1020	scaffold2342	NW_004517313.1	1020	TT	AA	AA	INTERGENIC		
SNP_72004B_23194	scaffold2342	NW_004517313.1	23194	AA	TT	TT	INTERGENIC		
SNP_72006B_19833	scaffold2343	NW_004517314.1	19833	AA	GG	GG	INTERGENIC		
SNP_72007B_24252	scaffold2343	NW_004517314.1	24252	TT	CC	CC	INTERGENIC		
SNP_72008B_45823	scaffold2343	NW_004517314.1	45823	AA	GG	GG	INTERGENIC		
SNP_72009B_46826	scaffold2343	NW_004517314.1	46826	TT	CC	CC	INTERGENIC		
SNP_72010B_1507	scaffold2344	NW_004517315.1	1507	TT	CC	CC	INTERGENIC		
SNP_72011B_1509	scaffold2344	NW_004517315.1	1509	TT	AA	AA	INTERGENIC		
SNP_72012B_1521	scaffold2344	NW_004517315.1	1521	TT	CC	CC	INTERGENIC		
SNP_72013B_1533	scaffold2344	NW_004517315.1	1533	GG	AA	AA	INTERGENIC		
SNP_72014B_529	scaffold2345	NW_004517316.1	529	CC	TT	TT	INTERGENIC		
SNP_72015B_732	scaffold2345	NW_004517316.1	732	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72016B_793	scaffold2345	NW_004517316.1	793	CC	TT	TT	INTERGENIC		
SNP_72017B_796	scaffold2345	NW_004517316.1	796	AA	CC	CC	INTERGENIC		
SNP_72018B_1023	scaffold2345	NW_004517316.1	1023	GG	AA	AA	INTERGENIC		
SNP_72019B_2862	scaffold2345	NW_004517316.1	2862	TT	AA	AA	INTERGENIC		
SNP_72021B_21288	scaffold2345	NW_004517316.1	21288	TT	AA	AA	INTERGENIC		
SNP_72022B_433	scaffold2346	NW_004517317.1	433	TT	GG	GG	INTERGENIC		
SNP_72023B_501	scaffold2346	NW_004517317.1	501	CC	AA	AA	INTERGENIC		
SNP_72024B_569	scaffold2346	NW_004517317.1	569	AA	TT	TT	INTERGENIC		
SNP_72025B_870	scaffold2346	NW_004517317.1	870	CC	AA	AA	INTERGENIC		
SNP_72026B_898	scaffold2346	NW_004517317.1	898	TT	AA	AA	INTERGENIC		
SNP_72027B_917	scaffold2346	NW_004517317.1	917	AA	GG	GG	INTERGENIC		
SNP_72028B_933	scaffold2346	NW_004517317.1	933	GG	AA	AA	INTERGENIC		
SNP_72029B_952	scaffold2346	NW_004517317.1	952	AA	TT	TT	INTERGENIC		
SNP_72030B_972	scaffold2346	NW_004517317.1	972	CC	TT	TT	INTERGENIC		
SNP_72031B_974	scaffold2346	NW_004517317.1	974	AA	GG	GG	INTERGENIC		
SNP_72032B_989	scaffold2346	NW_004517317.1	989	CC	AA	AA	INTERGENIC		
SNP_72033B_1008	scaffold2346	NW_004517317.1	1008	CC	TT	TT	INTERGENIC		
SNP_72034B_1050	scaffold2346	NW_004517317.1	1050	GG	AA	AA	INTERGENIC		
SNP_72035B_1137	scaffold2346	NW_004517317.1	1137	CC	TT	TT	INTERGENIC		
SNP_72036B_1245	scaffold2346	NW_004517317.1	1245	TT	CC	CC	INTERGENIC		
SNP_72037B_1517	scaffold2346	NW_004517317.1	1517	TT	GG	GG	INTERGENIC		
SNP_72038B_1524	scaffold2346	NW_004517317.1	1524	CC	TT	TT	INTERGENIC		
SNP_72039B_7417	scaffold2346	NW_004517317.1	7417	CC	AA	AA	INTERGENIC		
SNP_72040B_7457	scaffold2346	NW_004517317.1	7457	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72041B_7676	scaffold2346	NW_004517317.1	7676	CC	AA	AA	INTERGENIC		
SNP_72042B_26329	scaffold2346	NW_004517317.1	26329	TT	CC	CC	INTERGENIC		
SNP_72043B_26555	scaffold2346	NW_004517317.1	26555	GG	AA	AA	INTERGENIC		
SNP_72044B_26591	scaffold2346	NW_004517317.1	26591	AA	CC	CC	INTERGENIC		
SNP_72045B_27826	scaffold2346	NW_004517317.1	27826	CC	TT	TT	INTERGENIC		
SNP_72046B_28056	scaffold2346	NW_004517317.1	28056	TT	AA	AA	INTERGENIC		
SNP_72047B_28067	scaffold2346	NW_004517317.1	28067	CC	TT	TT	INTERGENIC		
SNP_72048B_28160	scaffold2346	NW_004517317.1	28160	CC	TT	TT	INTERGENIC		
SNP_72049B_28354	scaffold2346	NW_004517317.1	28354	TT	CC	CC	INTERGENIC		
SNP_72050B_28378	scaffold2346	NW_004517317.1	28378	TT	GG	GG	INTERGENIC		
SNP_72052B_28564	scaffold2346	NW_004517317.1	28564	GG	AA	AA	INTERGENIC		
SNP_72053B_28574	scaffold2346	NW_004517317.1	28574	AA	GG	GG	INTERGENIC		
SNP_72054B_28656	scaffold2346	NW_004517317.1	28656	CC	GG	GG	INTERGENIC		
SNP_72055B_30637	scaffold2346	NW_004517317.1	30637	TT	AA	AA	INTERGENIC		
SNP_72056B_30749	scaffold2346	NW_004517317.1	30749	CC	GG	GG	INTERGENIC		
SNP_72057B_30788	scaffold2346	NW_004517317.1	30788	TT	GG	GG	INTERGENIC		
SNP_72058B_30811	scaffold2346	NW_004517317.1	30811	GG	TT	TT	INTERGENIC		
SNP_72059B_30815	scaffold2346	NW_004517317.1	30815	TT	CC	CC	INTERGENIC		
SNP_72060B_30816	scaffold2346	NW_004517317.1	30816	CC	TT	TT	INTERGENIC		
SNP_72061B_30834	scaffold2346	NW_004517317.1	30834	CC	TT	TT	INTERGENIC		
SNP_72062B_30880	scaffold2346	NW_004517317.1	30880	TT	CC	CC	INTERGENIC		
SNP_72063B_31206	scaffold2346	NW_004517317.1	31206	CC	TT	TT	INTERGENIC		
SNP_72064B_31236	scaffold2346	NW_004517317.1	31236	TT	GG	GG	INTERGENIC		
SNP_72065B_31281	scaffold2346	NW_004517317.1	31281	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72066B_31286	scaffold2346	NW_004517317.1	31286	AA	GG	GG	INTERGENIC		
SNP_72067B_31346	scaffold2346	NW_004517317.1	31346	CC	AA	AA	INTERGENIC		
SNP_72068B_31411	scaffold2346	NW_004517317.1	31411	GG	AA	AA	INTERGENIC		
SNP_72069B_31808	scaffold2346	NW_004517317.1	31808	CC	TT	TT	INTERGENIC		
SNP_72070B_2005	scaffold2348	NW_004517319.1	2005	TT	AA	AA	INTERGENIC		
SNP_72071B_2464	scaffold2348	NW_004517319.1	2464	GG	AA	AA	INTERGENIC		
SNP_72072B_2484	scaffold2348	NW_004517319.1	2484	GG	AA	AA	INTERGENIC		
SNP_72073B_10212	scaffold2348	NW_004517319.1	10212	TT	CC	CC	INTERGENIC		
SNP_72074B_45891	scaffold2348	NW_004517319.1	45891	TT	GG	GG	INTERGENIC		
SNP_72075B_45898	scaffold2348	NW_004517319.1	45898	AA	GG	GG	INTERGENIC		
SNP_72076B_45920	scaffold2348	NW_004517319.1	45920	CC	TT	TT	INTERGENIC		
SNP_72077B_45957	scaffold2348	NW_004517319.1	45957	TT	CC	CC	INTERGENIC		
SNP_72078B_51978	scaffold2348	NW_004517319.1	51978	TT	AA	AA	INTERGENIC		
SNP_72079B_52139	scaffold2348	NW_004517319.1	52139	CC	TT	TT	INTERGENIC		
SNP_72080B_52294	scaffold2348	NW_004517319.1	52294	TT	GG	GG	INTERGENIC		
SNP_72081B_52306	scaffold2348	NW_004517319.1	52306	GG	AA	AA	INTERGENIC		
SNP_72082B_52329	scaffold2348	NW_004517319.1	52329	GG	AA	AA	INTERGENIC		
SNP_72083B_52407	scaffold2348	NW_004517319.1	52407	TT	CC	CC	INTERGENIC		
SNP_72084B_63988	scaffold2348	NW_004517319.1	63988	AA	CC	CC	INTERGENIC		
SNP_72085B_64181	scaffold2348	NW_004517319.1	64181	TT	AA	AA	INTERGENIC		
SNP_72086B_64223	scaffold2348	NW_004517319.1	64223	AA	GG	GG	INTERGENIC		
SNP_72087B_64237	scaffold2348	NW_004517319.1	64237	GG	TT	TT	INTERGENIC		
SNP_72088B_64280	scaffold2348	NW_004517319.1	64280	TT	CC	CC	INTERGENIC		
SNP_72089B_64345	scaffold2348	NW_004517319.1	64345	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72090B_64493	scaffold2348	NW_004517319.1	64493	GG	CC	CC	INTERGENIC		
SNP_72091B_64561	scaffold2348	NW_004517319.1	64561	GG	CC	CC	INTERGENIC		
SNP_72092B_64564	scaffold2348	NW_004517319.1	64564	AA	GG	GG	INTERGENIC		
SNP_72093B_64596	scaffold2348	NW_004517319.1	64596	GG	AA	AA	INTERGENIC		
SNP_72094B_64610	scaffold2348	NW_004517319.1	64610	AA	CC	CC	INTERGENIC		
SNP_72095B_92776	scaffold2348	NW_004517319.1	92776	CC	TT	TT	INTERGENIC		
SNP_72096B_105306	scaffold2348	NW_004517319.1	105306	AA	CC	CC	INTERGENIC		
SNP_72097B_105736	scaffold2348	NW_004517319.1	105736	TT	CC	CC	INTERGENIC		
SNP_72098B_105772	scaffold2348	NW_004517319.1	105772	TT	GG	GG	INTERGENIC		
SNP_72099B_105783	scaffold2348	NW_004517319.1	105783	TT	CC	CC	INTERGENIC		
SNP_72100B_105803	scaffold2348	NW_004517319.1	105803	AA	CC	CC	INTERGENIC		
SNP_72101B_105804	scaffold2348	NW_004517319.1	105804	TT	AA	AA	INTERGENIC		
SNP_72102B_108293	scaffold2348	NW_004517319.1	108293	CC	TT	TT	INTERGENIC		
SNP_72103B_111651	scaffold2348	NW_004517319.1	111651	TT	AA	AA	INTERGENIC		
SNP_72104B_116527	scaffold2348	NW_004517319.1	116527	TT	GG	GG	INTERGENIC		
SNP_72105B_165874	scaffold2348	NW_004517319.1	165874	TT	CC	CC	INTERGENIC		
SNP_72107B_517	scaffold2349	NW_004517320.1	517	CC	GG	GG	INTERGENIC		
SNP_72108B_592	scaffold2349	NW_004517320.1	592	AA	GG	GG	INTERGENIC		
SNP_72109B_668	scaffold2349	NW_004517320.1	668	TT	AA	AA	INTERGENIC		
SNP_72110B_980	scaffold2351	NW_004517322.1	980	TT	AA	AA	INTERGENIC		
SNP_72111B_783	scaffold2352	NW_004517323.1	783	GG	CC	CC	DRR	101495978	Unknown function
SNP_72112B_830	scaffold2352	NW_004517323.1	830	TT	CC	CC	DRR	101495978	Unknown function
SNP_72113B_891	scaffold2352	NW_004517323.1	891	TT	CC	CC	DRR	101495978	Unknown function
SNP_72114B_911	scaffold2352	NW_004517323.1	911	AA	GG	GG	DRR	101495978	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72115B_955	scaffold2352	NW_004517323.1	955	AA	CC	CC	DRR	101495978	Unknown function
SNP_72116B_962	scaffold2352	NW_004517323.1	962	GG	AA	AA	DRR	101495978	Unknown function
SNP_72117B_977	scaffold2352	NW_004517323.1	977	TT	GG	GG	DRR	101495978	Unknown function
SNP_72118B_1028	scaffold2352	NW_004517323.1	1028	CC	AA	AA	DRR	101495978	Unknown function
SNP_72119B_1050	scaffold2352	NW_004517323.1	1050	AA	GG	GG	DRR	101495978	Unknown function
SNP_72120B_1076	scaffold2352	NW_004517323.1	1076	AA	GG	GG	DRR	101495978	Unknown function
SNP_72121B_1094	scaffold2352	NW_004517323.1	1094	AA	GG	GG	DRR	101495978	Unknown function
SNP_72122B_1095	scaffold2352	NW_004517323.1	1095	AA	GG	GG	DRR	101495978	Unknown function
SNP_72123B_1153	scaffold2352	NW_004517323.1	1153	CC	GG	GG	NON_SYNONYMOUS_CODING	101495978	Unknown function
SNP_72124B_1175	scaffold2352	NW_004517323.1	1175	GG	AA	AA	SYNONYMOUS_CODING	101495978	Unknown function
SNP_72125B_1201	scaffold2352	NW_004517323.1	1201	AA	GG	GG	NON_SYNONYMOUS_CODING	101495978	Unknown function
SNP_72126B_1246	scaffold2352	NW_004517323.1	1246	GG	CC	CC	NON_SYNONYMOUS_CODING	101495978	Unknown function
SNP_72127B_4199	scaffold2354	NW_004517324.1	4199	GG	AA	AA	INTERGENIC		
SNP_72128B_4202	scaffold2354	NW_004517324.1	4202	TT	AA	AA	INTERGENIC		
SNP_72129B_4220	scaffold2354	NW_004517324.1	4220	TT	AA	AA	INTERGENIC		
SNP_72130B_4349	scaffold2354	NW_004517324.1	4349	TT	AA	AA	INTERGENIC		
SNP_72131B_4350	scaffold2354	NW_004517324.1	4350	GG	AA	AA	INTERGENIC		
SNP_72132B_4361	scaffold2354	NW_004517324.1	4361	CC	AA	AA	INTERGENIC		
SNP_72133B_4424	scaffold2354	NW_004517324.1	4424	GG	CC	CC	INTERGENIC		
SNP_72134B_4427	scaffold2354	NW_004517324.1	4427	CC	TT	TT	INTERGENIC		
SNP_72135B_6663	scaffold2354	NW_004517324.1	6663	AA	TT	TT	INTERGENIC		
SNP_72136B_10653	scaffold2354	NW_004517324.1	10653	GG	AA	AA	INTERGENIC		
SNP_72137B_10926	scaffold2354	NW_004517324.1	10926	AA	TT	TT	INTERGENIC		
SNP_72138B_10958	scaffold2354	NW_004517324.1	10958	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72139B_11328	scaffold2354	NW_004517324.1	11328	GG	CC	CC	INTERGENIC		
SNP_72140B_12257	scaffold2354	NW_004517324.1	12257	GG	TT	TT	INTERGENIC		
SNP_72141B_12296	scaffold2354	NW_004517324.1	12296	AA	CC	CC	INTERGENIC		
SNP_72142B_12531	scaffold2354	NW_004517324.1	12531	CC	AA	AA	INTERGENIC		
SNP_72143B_12567	scaffold2354	NW_004517324.1	12567	AA	GG	GG	INTERGENIC		
SNP_72144B_15347	scaffold2354	NW_004517324.1	15347	AA	TT	TT	INTERGENIC		
SNP_72145B_15392	scaffold2354	NW_004517324.1	15392	GG	CC	CC	INTERGENIC		
SNP_72146B_2959	scaffold2356	NW_004517326.1	2959	CC	TT	TT	INTERGENIC		
SNP_72147B_5734	scaffold2356	NW_004517326.1	5734	GG	TT	TT	INTERGENIC		
SNP_72148B_5746	scaffold2356	NW_004517326.1	5746	CC	TT	TT	INTERGENIC		
SNP_72149B_6127	scaffold2356	NW_004517326.1	6127	TT	AA	AA	INTERGENIC		
SNP_72150B_35160	scaffold2356	NW_004517326.1	35160	CC	TT	TT	INTERGENIC		
SNP_72151B_45337	scaffold2356	NW_004517326.1	45337	TT	CC	CC	INTERGENIC		
SNP_72152B_45367	scaffold2356	NW_004517326.1	45367	TT	CC	CC	INTERGENIC		
SNP_72153B_76885	scaffold2356	NW_004517326.1	76885	CC	GG	GG	INTERGENIC		
SNP_72154B_133297	scaffold2356	NW_004517326.1	133297	AA	CC	CC	INTERGENIC		
SNP_72155B_133552	scaffold2356	NW_004517326.1	133552	TT	AA	AA	INTERGENIC		
SNP_72156B_133567	scaffold2356	NW_004517326.1	133567	AA	CC	CC	INTERGENIC		
SNP_72157B_135084	scaffold2356	NW_004517326.1	135084	TT	CC	CC	INTERGENIC		
SNP_72158B_135094	scaffold2356	NW_004517326.1	135094	CC	TT	TT	INTERGENIC		
SNP_72159B_135147	scaffold2356	NW_004517326.1	135147	TT	CC	CC	INTERGENIC		
SNP_72160B_135162	scaffold2356	NW_004517326.1	135162	CC	TT	TT	INTERGENIC		
SNP_72162B_136169	scaffold2356	NW_004517326.1	136169	CC	TT	TT	DRR	101496861	alcohol dehydrogenase-like 5
SNP_72163B_136214	scaffold2356	NW_004517326.1	136214	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72164B_136363	scaffold2356	NW_004517326.1	136363	TT	AA	AA	INTERGENIC		
SNP_72165B_136475	scaffold2356	NW_004517326.1	136475	GG	TT	TT	NON_SYNONYMOUS_CODING	101496861	alcohol dehydrogenase-like 5
SNP_72166B_136822	scaffold2356	NW_004517326.1	136822	TT	CC	CC	INTRON	101496861	alcohol dehydrogenase-like 5
SNP_72167B_136835	scaffold2356	NW_004517326.1	136835	CC	TT	TT	INTRON	101496861	alcohol dehydrogenase-like 5
SNP_72168B_136847	scaffold2356	NW_004517326.1	136847	GG	AA	AA	INTRON	101496861	alcohol dehydrogenase-like 5
SNP_72169B_137025	scaffold2356	NW_004517326.1	137025	GG	AA	AA	NON_SYNONYMOUS_CODING	101496861	alcohol dehydrogenase-like 5
SNP_72171B_138714	scaffold2356	NW_004517326.1	138714	CC	TT	TT	INTRON	101496861	alcohol dehydrogenase-like 5
SNP_72172B_138729	scaffold2356	NW_004517326.1	138729	GG	AA	AA	INTRON	101496861	alcohol dehydrogenase-like 5
SNP_72173B_189894	scaffold2356	NW_004517326.1	189894	CC	GG	GG	INTRON	101498061	Unknown function
SNP_72174B_196987	scaffold2356	NW_004517326.1	196987	AA	GG	GG	INTRON	101498398	Unknown function
SNP_72175B_196988	scaffold2356	NW_004517326.1	196988	TT	CC	CC	INTRON	101498398	Unknown function
SNP_72176B_205643	scaffold2356	NW_004517326.1	205643	AA	CC	CC	INTRON	101498398	Unknown function
SNP_72177B_205878	scaffold2356	NW_004517326.1	205878	AA	TT	CC	INTRON	101498398	Unknown function
SNP_72178B_205954	scaffold2356	NW_004517326.1	205954	AA	CC	CC	INTRON	101498398	Unknown function
SNP_72179B_206017	scaffold2356	NW_004517326.1	206017	AA	GG	GG	INTRON	101498398	Unknown function
SNP_72180B_268672	scaffold2356	NW_004517326.1	268672	CC	TT	TT	INTERGENIC		
SNP_72181B_294255	scaffold2356	NW_004517326.1	294255	AA	GG	GG	INTERGENIC		
SNP_72182B_294264	scaffold2356	NW_004517326.1	294264	AA	GG	GG	INTERGENIC		
SNP_72183B_294295	scaffold2356	NW_004517326.1	294295	CC	TT	TT	INTERGENIC		
SNP_72184B_294765	scaffold2356	NW_004517326.1	294765	AA	GG	GG	INTERGENIC		
SNP_72185B_13959	scaffold2357	NW_004517327.1	13959	CC	TT	TT	INTERGENIC		
SNP_72186B_16590	scaffold2357	NW_004517327.1	16590	TT	GG	GG	INTRON	101499676	Unknown function
SNP_72187B_215	scaffold2358	NW_004517328.1	215	TT	CC	CC	INTERGENIC		
SNP_72188B_601	scaffold2358	NW_004517328.1	601	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72189B_662	scaffold2358	NW_004517328.1	662	AA	GG	GG	INTERGENIC		
SNP_72190B_799	scaffold2358	NW_004517328.1	799	AA	GG	GG	INTERGENIC		
SNP_72191B_921	scaffold2358	NW_004517328.1	921	TT	CC	CC	INTERGENIC		
SNP_72192B_1508	scaffold2358	NW_004517328.1	1508	AA	GG	GG	INTERGENIC		
SNP_72193B_2042	scaffold2358	NW_004517328.1	2042	AA	GG	GG	INTERGENIC		
SNP_72194B_2175	scaffold2358	NW_004517328.1	2175	TT	GG	GG	INTERGENIC		
SNP_72195B_2368	scaffold2358	NW_004517328.1	2368	TT	CC	CC	INTERGENIC		
SNP_72196B_2384	scaffold2358	NW_004517328.1	2384	CC	TT	TT	INTERGENIC		
SNP_72197B_2740	scaffold2358	NW_004517328.1	2740	CC	TT	TT	INTERGENIC		
SNP_72198B_2748	scaffold2358	NW_004517328.1	2748	TT	CC	CC	INTERGENIC		
SNP_72199B_3122	scaffold2358	NW_004517328.1	3122	GG	TT	TT	INTERGENIC		
SNP_72200B_13877	scaffold2358	NW_004517328.1	13877	CC	TT	TT	INTERGENIC		
SNP_72201B_13885	scaffold2358	NW_004517328.1	13885	AA	GG	GG	INTERGENIC		
SNP_72202B_16164	scaffold2358	NW_004517328.1	16164	TT	AA	AA	INTERGENIC		
SNP_72203B_16446	scaffold2358	NW_004517328.1	16446	GG	AA	AA	INTERGENIC		
SNP_72204B_16646	scaffold2358	NW_004517328.1	16646	GG	CC	CC	INTERGENIC		
SNP_72205B_16659	scaffold2358	NW_004517328.1	16659	TT	CC	CC	INTERGENIC		
SNP_72206B_16678	scaffold2358	NW_004517328.1	16678	GG	AA	AA	INTERGENIC		
SNP_72207B_16688	scaffold2358	NW_004517328.1	16688	TT	CC	CC	INTERGENIC		
SNP_72208B_16805	scaffold2358	NW_004517328.1	16805	CC	AA	AA	INTERGENIC		
SNP_72209B_16828	scaffold2358	NW_004517328.1	16828	CC	TT	TT	INTERGENIC		
SNP_72210B_19731	scaffold2358	NW_004517328.1	19731	TT	CC	CC	INTERGENIC		
SNP_72211B_19782	scaffold2358	NW_004517328.1	19782	AA	CC	CC	INTERGENIC		
SNP_72212B_20003	scaffold2358	NW_004517328.1	20003	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72213B_20744	scaffold2358	NW_004517328.1	20744	AA	TT	TT	INTERGENIC		
SNP_72214B_21085	scaffold2358	NW_004517328.1	21085	TT	CC	CC	INTERGENIC		
SNP_72215B_36173	scaffold2358	NW_004517328.1	36173	AA	TT	TT	INTERGENIC		
SNP_72216B_36635	scaffold2358	NW_004517328.1	36635	GG	AA	AA	INTERGENIC		
SNP_72218B_2993	scaffold2361	NW_004517330.1	2993	AA	GG	GG	INTERGENIC		
SNP_72219B_17669	scaffold2361	NW_004517330.1	17669	CC	TT	TT	INTERGENIC		
SNP_72220B_25751	scaffold2361	NW_004517330.1	25751	TT	CC	CC	INTERGENIC		
SNP_72221B_25770	scaffold2361	NW_004517330.1	25770	AA	CC	CC	INTERGENIC		
SNP_72222B_25782	scaffold2361	NW_004517330.1	25782	TT	AA	AA	INTERGENIC		
SNP_72223B_29227	scaffold2361	NW_004517330.1	29227	AA	GG	GG	INTERGENIC		
SNP_72224B_40121	scaffold2361	NW_004517330.1	40121	AA	TT	TT	INTERGENIC		
SNP_72225B_45365	scaffold2361	NW_004517330.1	45365	AA	GG	GG	INTERGENIC		
SNP_72227B_45398	scaffold2361	NW_004517330.1	45398	AA	GG	GG	INTERGENIC		
SNP_72228B_45408	scaffold2361	NW_004517330.1	45408	CC	TT	TT	INTERGENIC		
SNP_72229B_45414	scaffold2361	NW_004517330.1	45414	AA	TT	TT	INTERGENIC		
SNP_72230B_45471	scaffold2361	NW_004517330.1	45471	TT	CC	CC	INTERGENIC		
SNP_72231B_45481	scaffold2361	NW_004517330.1	45481	CC	GG	GG	INTERGENIC		
SNP_72232B_19626	scaffold2366	NW_004517333.1	19626	GG	AA	AA	INTERGENIC		
SNP_72233B_19653	scaffold2366	NW_004517333.1	19653	CC	AA	AA	INTERGENIC		
SNP_72234B_19664	scaffold2366	NW_004517333.1	19664	AA	TT	TT	INTERGENIC		
SNP_72235B_19679	scaffold2366	NW_004517333.1	19679	GG	CC	CC	INTERGENIC		
SNP_72236B_19783	scaffold2366	NW_004517333.1	19783	GG	AA	AA	INTERGENIC		
SNP_72237B_19807	scaffold2366	NW_004517333.1	19807	CC	TT	TT	INTERGENIC		
SNP_72238B_19816	scaffold2366	NW_004517333.1	19816	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72239B_19832	scaffold2366	NW_004517333.1	19832	TT	CC	CC	INTERGENIC		
SNP_72240B_19848	scaffold2366	NW_004517333.1	19848	GG	AA	AA	INTERGENIC		
SNP_72241B_19852	scaffold2366	NW_004517333.1	19852	GG	AA	AA	INTERGENIC		
SNP_72242B_19870	scaffold2366	NW_004517333.1	19870	AA	GG	GG	INTERGENIC		
SNP_72243B_19885	scaffold2366	NW_004517333.1	19885	TT	CC	CC	INTERGENIC		
SNP_72244B_19893	scaffold2366	NW_004517333.1	19893	AA	CC	CC	INTERGENIC		
SNP_72245B_19981	scaffold2366	NW_004517333.1	19981	CC	AA	AA	INTERGENIC		
SNP_72246B_19983	scaffold2366	NW_004517333.1	19983	AA	GG	GG	INTERGENIC		
SNP_72247B_21251	scaffold2366	NW_004517333.1	21251	GG	TT	TT	INTERGENIC		
SNP_72248B_21252	scaffold2366	NW_004517333.1	21252	GG	AA	AA	INTERGENIC		
SNP_72249B_21258	scaffold2366	NW_004517333.1	21258	TT	CC	CC	INTERGENIC		
SNP_72250B_21332	scaffold2366	NW_004517333.1	21332	TT	GG	GG	INTERGENIC		
SNP_72251B_21370	scaffold2366	NW_004517333.1	21370	AA	GG	GG	INTERGENIC		
SNP_72252B_21383	scaffold2366	NW_004517333.1	21383	TT	CC	CC	INTERGENIC		
SNP_72253B_21431	scaffold2366	NW_004517333.1	21431	TT	CC	CC	INTERGENIC		
SNP_72254B_24368	scaffold2366	NW_004517333.1	24368	GG	CC	CC	INTERGENIC		
SNP_72255B_693	scaffold2367	NW_004517334.1	693	AA	GG	GG	INTERGENIC		
SNP_72256B_745	scaffold2367	NW_004517334.1	745	AA	CC	CC	INTERGENIC		
SNP_72257B_752	scaffold2367	NW_004517334.1	752	AA	TT	TT	INTERGENIC		
SNP_72258B_777	scaffold2367	NW_004517334.1	777	CC	GG	GG	INTERGENIC		
SNP_72259B_823	scaffold2367	NW_004517334.1	823	AA	CC	CC	INTERGENIC		
SNP_72260B_824	scaffold2367	NW_004517334.1	824	CC	TT	TT	INTERGENIC		
SNP_72261B_831	scaffold2367	NW_004517334.1	831	GG	TT	TT	INTERGENIC		
SNP_72262B_1786	scaffold2367	NW_004517334.1	1786	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72263B_1795	scaffold2367	NW_004517334.1	1795	TT	CC	CC	INTERGENIC		
SNP_72264B_6270	scaffold2367	NW_004517334.1	6270	TT	CC	CC	INTERGENIC		
SNP_72265B_6521	scaffold2367	NW_004517334.1	6521	TT	GG	GG	INTERGENIC		
SNP_72266B_7242	scaffold2367	NW_004517334.1	7242	AA	GG	GG	INTERGENIC		
SNP_72267B_2804	scaffold2368	NW_004517335.1	2804	CC	GG	GG	INTERGENIC		
SNP_72268B_25806	scaffold2368	NW_004517335.1	25806	TT	AA	AA	INTERGENIC		
SNP_72269B_25842	scaffold2368	NW_004517335.1	25842	AA	CC	CC	INTERGENIC		
SNP_72270B_25846	scaffold2368	NW_004517335.1	25846	TT	CC	CC	INTERGENIC		
SNP_72272B_25961	scaffold2368	NW_004517335.1	25961	TT	CC	CC	INTERGENIC		
SNP_72273B_26007	scaffold2368	NW_004517335.1	26007	CC	TT	TT	INTERGENIC		
SNP_72274B_26069	scaffold2368	NW_004517335.1	26069	GG	AA	AA	INTERGENIC		
SNP_72276B_26193	scaffold2368	NW_004517335.1	26193	AA	TT	TT	INTERGENIC		
SNP_72277B_26276	scaffold2368	NW_004517335.1	26276	TT	GG	GG	INTERGENIC		
SNP_72278B_26287	scaffold2368	NW_004517335.1	26287	CC	TT	TT	INTERGENIC		
SNP_72279B_26361	scaffold2368	NW_004517335.1	26361	GG	AA	AA	INTERGENIC		
SNP_72280B_26376	scaffold2368	NW_004517335.1	26376	CC	GG	GG	INTERGENIC		
SNP_72281B_26401	scaffold2368	NW_004517335.1	26401	TT	GG	GG	INTERGENIC		
SNP_72282B_26413	scaffold2368	NW_004517335.1	26413	AA	GG	GG	INTERGENIC		
SNP_72283B_26458	scaffold2368	NW_004517335.1	26458	AA	TT	TT	INTERGENIC		
SNP_72284B_26583	scaffold2368	NW_004517335.1	26583	AA	GG	GG	INTERGENIC		
SNP_72286B_53608	scaffold2368	NW_004517335.1	53608	GG	AA	AA	DRR	101500331	uncharacterized LOC101500331
SNP_72287B_53734	scaffold2368	NW_004517335.1	53734	GG	AA	AA	DRR	101500331	uncharacterized LOC101500331
SNP_72288B_53761	scaffold2368	NW_004517335.1	53761	TT	AA	AA	DRR	101500331	uncharacterized LOC101500331
SNP_72289B_53778	scaffold2368	NW_004517335.1	53778	GG	AA	AA	DRR	101500331	uncharacterized LOC101500331

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72290B_53790	scaffold2368	NW_004517335.1	53790	TT	CC	CC	DRR	101500331	uncharacterized LOC101500331
SNP_72291B_53874	scaffold2368	NW_004517335.1	53874	AA	GG	GG	DRR	101500331	uncharacterized LOC101500331
SNP_72292B_53891	scaffold2368	NW_004517335.1	53891	TT	CC	CC	DRR	101500331	uncharacterized LOC101500331
SNP_72293B_53912	scaffold2368	NW_004517335.1	53912	AA	TT	TT	DRR	101500331	uncharacterized LOC101500331
SNP_72294B_53931	scaffold2368	NW_004517335.1	53931	CC	TT	TT	DRR	101500331	uncharacterized LOC101500331
SNP_72295B_53937	scaffold2368	NW_004517335.1	53937	AA	CC	CC	DRR	101500331	uncharacterized LOC101500331
SNP_72296B_53945	scaffold2368	NW_004517335.1	53945	GG	TT	TT	DRR	101500331	uncharacterized LOC101500331
SNP_72297B_54043	scaffold2368	NW_004517335.1	54043	GG	CC	CC	DRR	101500331	uncharacterized LOC101500331
SNP_72298B_54045	scaffold2368	NW_004517335.1	54045	CC	GG	GG	DRR	101500331	uncharacterized LOC101500331
SNP_72299B_54058	scaffold2368	NW_004517335.1	54058	CC	AA	AA	DRR	101500331	uncharacterized LOC101500331
SNP_72301B_54563	scaffold2368	NW_004517335.1	54563	TT	CC	CC	INTRON	id217744	Unknown function
SNP_72304B_60039	scaffold2368	NW_004517335.1	60039	CC	AA	AA	INTERGENIC		
SNP_72305B_73060	scaffold2371	NW_004517338.1	73060	GG	AA	AA	INTERGENIC		
SNP_72307B_73172	scaffold2371	NW_004517338.1	73172	TT	CC	CC	INTERGENIC		
SNP_72308B_73258	scaffold2371	NW_004517338.1	73258	CC	TT	TT	INTERGENIC		
SNP_72309B_73264	scaffold2371	NW_004517338.1	73264	AA	GG	GG	INTERGENIC		
SNP_72310B_73277	scaffold2371	NW_004517338.1	73277	AA	GG	GG	INTERGENIC		
SNP_72311B_73289	scaffold2371	NW_004517338.1	73289	TT	CC	CC	INTERGENIC		
SNP_72312B_73300	scaffold2371	NW_004517338.1	73300	AA	GG	TT	INTERGENIC		
SNP_72313B_73320	scaffold2371	NW_004517338.1	73320	CC	TT	TT	INTERGENIC		
SNP_72315B_73388	scaffold2371	NW_004517338.1	73388	TT	GG	GG	INTERGENIC		
SNP_72316B_73517	scaffold2371	NW_004517338.1	73517	AA	CC	CC	INTERGENIC		
SNP_72317B_73646	scaffold2371	NW_004517338.1	73646	GG	AA	AA	INTERGENIC		
SNP_72318B_73724	scaffold2371	NW_004517338.1	73724	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72319B_73750	scaffold2371	NW_004517338.1	73750	GG	TT	TT	INTERGENIC		
SNP_72320B_73751	scaffold2371	NW_004517338.1	73751	GG	CC	CC	INTERGENIC		
SNP_72322B_73874	scaffold2371	NW_004517338.1	73874	TT	AA	AA	INTERGENIC		
SNP_72323B_73878	scaffold2371	NW_004517338.1	73878	CC	AA	AA	INTERGENIC		
SNP_72325B_74041	scaffold2371	NW_004517338.1	74041	TT	AA	AA	INTERGENIC		
SNP_72326B_74125	scaffold2371	NW_004517338.1	74125	AA	GG	GG	INTERGENIC		
SNP_72327B_74252	scaffold2371	NW_004517338.1	74252	AA	TT	TT	INTERGENIC		
SNP_72328B_74269	scaffold2371	NW_004517338.1	74269	CC	TT	TT	INTERGENIC		
SNP_72329B_74386	scaffold2371	NW_004517338.1	74386	AA	GG	GG	INTERGENIC		
SNP_72330B_74682	scaffold2371	NW_004517338.1	74682	GG	AA	AA	INTERGENIC		
SNP_72331B_74697	scaffold2371	NW_004517338.1	74697	AA	CC	CC	INTERGENIC		
SNP_72332B_74729	scaffold2371	NW_004517338.1	74729	TT	GG	GG	INTERGENIC		
SNP_72333B_74772	scaffold2371	NW_004517338.1	74772	GG	CC	CC	INTERGENIC		
SNP_72334B_76966	scaffold2371	NW_004517338.1	76966	AA	CC	CC	INTERGENIC		
SNP_72335B_77320	scaffold2371	NW_004517338.1	77320	AA	TT	TT	INTERGENIC		
SNP_72336B_92252	scaffold2371	NW_004517338.1	92252	GG	TT	TT	INTERGENIC		
SNP_72337B_92297	scaffold2371	NW_004517338.1	92297	TT	GG	GG	INTERGENIC		
SNP_72338B_92441	scaffold2371	NW_004517338.1	92441	CC	AA	AA	INTERGENIC		
SNP_72339B_92822	scaffold2371	NW_004517338.1	92822	GG	CC	CC	INTERGENIC		
SNP_72340B_92924	scaffold2371	NW_004517338.1	92924	CC	GG	GG	INTERGENIC		
SNP_72341B_92962	scaffold2371	NW_004517338.1	92962	CC	GG	GG	INTERGENIC		
SNP_72342B_128158	scaffold2371	NW_004517338.1	128158	GG	TT	TT	INTERGENIC		
SNP_72343B_128753	scaffold2371	NW_004517338.1	128753	AA	CC	CC	INTERGENIC		
SNP_72344B_128775	scaffold2371	NW_004517338.1	128775	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72345B_149904	scaffold2371	NW_004517338.1	149904	AA	GG	GG	INTERGENIC		
SNP_72346B_150013	scaffold2371	NW_004517338.1	150013	CC	AA	AA	INTERGENIC		
SNP_72348B_150100	scaffold2371	NW_004517338.1	150100	AA	TT	TT	INTERGENIC		
SNP_72349B_150233	scaffold2371	NW_004517338.1	150233	TT	AA	AA	INTERGENIC		
SNP_72350B_150237	scaffold2371	NW_004517338.1	150237	TT	AA	AA	INTERGENIC		
SNP_72351B_150240	scaffold2371	NW_004517338.1	150240	TT	AA	AA	INTERGENIC		
SNP_72352B_150289	scaffold2371	NW_004517338.1	150289	AA	GG	GG	INTERGENIC		
SNP_72353B_150308	scaffold2371	NW_004517338.1	150308	TT	AA	AA	INTERGENIC		
SNP_72354B_150319	scaffold2371	NW_004517338.1	150319	AA	GG	GG	INTERGENIC		
SNP_72355B_150410	scaffold2371	NW_004517338.1	150410	CC	AA	AA	INTERGENIC		
SNP_72356B_150424	scaffold2371	NW_004517338.1	150424	CC	AA	AA	INTERGENIC		
SNP_72357B_150493	scaffold2371	NW_004517338.1	150493	AA	TT	TT	INTERGENIC		
SNP_72358B_168185	scaffold2371	NW_004517338.1	168185	TT	CC	CC	INTERGENIC		
SNP_72359B_172026	scaffold2371	NW_004517338.1	172026	AA	GG	GG	INTERGENIC		
SNP_72360B_174298	scaffold2371	NW_004517338.1	174298	AA	GG	GG	INTERGENIC		
SNP_72361B_224151	scaffold2371	NW_004517338.1	224151	AA	GG	GG	INTERGENIC		
SNP_72362B_246381	scaffold2371	NW_004517338.1	246381	AA	TT	TT	INTERGENIC		
SNP_72363B_262100	scaffold2371	NW_004517338.1	262100	GG	AA	AA	INTERGENIC		
SNP_72364B_262113	scaffold2371	NW_004517338.1	262113	CC	AA	AA	INTERGENIC		
SNP_72365B_262114	scaffold2371	NW_004517338.1	262114	CC	TT	TT	INTERGENIC		
SNP_72366B_287438	scaffold2371	NW_004517338.1	287438	GG	AA	AA	INTERGENIC		
SNP_72368B_290225	scaffold2371	NW_004517338.1	290225	TT	AA	AA	INTERGENIC		
SNP_72369B_291054	scaffold2371	NW_004517338.1	291054	AA	CC	CC	INTERGENIC		
SNP_72370B_291505	scaffold2371	NW_004517338.1	291505	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72371B_292110	scaffold2371	NW_004517338.1	292110	CC	TT	TT	INTERGENIC		
SNP_72372B_292341	scaffold2371	NW_004517338.1	292341	CC	TT	TT	INTERGENIC		
SNP_72373B_292854	scaffold2371	NW_004517338.1	292854	GG	AA	AA	INTERGENIC		
SNP_72374B_294881	scaffold2371	NW_004517338.1	294881	GG	AA	AA	INTERGENIC		
SNP_72375B_340760	scaffold2371	NW_004517338.1	340760	TT	AA	AA	DRR	101503287	aspartic proteinase-like protein 2
SNP_72376B_1710	scaffold2372	NW_004517339.1	1710	GG	TT	TT	INTERGENIC		
SNP_72377B_1823	scaffold2372	NW_004517339.1	1823	CC	TT	TT	INTERGENIC		
SNP_72378B_1847	scaffold2372	NW_004517339.1	1847	TT	CC	CC	INTERGENIC		
SNP_72379B_1991	scaffold2372	NW_004517339.1	1991	AA	TT	TT	INTERGENIC		
SNP_72380B_1809	scaffold2373	NW_004517340.1	1809	AA	GG	GG	DRR	101506626	uncharacterized LOC101506626
SNP_72381B_1823	scaffold2373	NW_004517340.1	1823	TT	GG	GG	DRR	101506626	uncharacterized LOC101506626
SNP_72382B_2040	scaffold2373	NW_004517340.1	2040	TT	CC	CC	DRR	101506626	uncharacterized LOC101506626
SNP_72383B_2145	scaffold2373	NW_004517340.1	2145	AA	GG	GG	INTERGENIC		
SNP_72384B_26791	scaffold2373	NW_004517340.1	26791	GG	CC	CC	INTRON	101504482	agamous-like MADS-box protein AGL17
SNP_72385B_28746	scaffold2373	NW_004517340.1	28746	GG	AA	AA	URR	101504482	agamous-like MADS-box protein AGL17
SNP_72386B_28810	scaffold2373	NW_004517340.1	28810	CC	TT	TT	URR	101504482	agamous-like MADS-box protein AGL17
SNP_72387B_39148	scaffold2373	NW_004517340.1	39148	AA	TT	TT	INTRON	101506626	uncharacterized LOC101506626
SNP_72388B_39149	scaffold2373	NW_004517340.1	39149	AA	TT	TT	INTRON	101506626	uncharacterized LOC101506626
SNP_72389B_39153	scaffold2373	NW_004517340.1	39153	GG	AA	AA	INTRON	101506626	uncharacterized LOC101506626
SNP_72390B_39436	scaffold2373	NW_004517340.1	39436	GG	AA	AA	INTRON	101506626	uncharacterized LOC101506626
SNP_72392B_39723	scaffold2373	NW_004517340.1	39723	TT	CC	CC	INTRON	101506626	uncharacterized LOC101506626
SNP_72393B_39835	scaffold2373	NW_004517340.1	39835	TT	GG	GG	INTRON	101506626	uncharacterized LOC101506626
SNP_72394B_39849	scaffold2373	NW_004517340.1	39849	TT	GG	GG	INTRON	101506626	uncharacterized LOC101506626
SNP_72395B_39904	scaffold2373	NW_004517340.1	39904	GG	AA	AA	INTRON	101506626	uncharacterized LOC101506626

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72397B_64168	scaffold2373	NW_004517340.1	64168	GG	AA	AA	URR	101506626	uncharacterized LOC101506626
SNP_72398B_64194	scaffold2373	NW_004517340.1	64194	GG	AA	AA	URR	101506626	uncharacterized LOC101506626
SNP_72399B_64304	scaffold2373	NW_004517340.1	64304	GG	TT	TT	URR	101506626	uncharacterized LOC101506626
SNP_72400B_64320	scaffold2373	NW_004517340.1	64320	AA	CC	CC	URR	101506626	uncharacterized LOC101506626
SNP_72401B_64400	scaffold2373	NW_004517340.1	64400	AA	TT	TT	URR	101506626	uncharacterized LOC101506626
SNP_72402B_64706	scaffold2373	NW_004517340.1	64706	AA	GG	GG	URR	101506626	uncharacterized LOC101506626
SNP_72403B_69636	scaffold2373	NW_004517340.1	69636	CC	TT	TT	INTERGENIC		
SNP_72404B_69681	scaffold2373	NW_004517340.1	69681	AA	TT	TT	INTERGENIC		
SNP_72405B_69733	scaffold2373	NW_004517340.1	69733	TT	CC	CC	INTERGENIC		
SNP_72406B_81340	scaffold2373	NW_004517340.1	81340	GG	AA	AA	INTERGENIC		
SNP_72407B_84371	scaffold2373	NW_004517340.1	84371	TT	CC	CC	INTERGENIC		
SNP_72408B_106577	scaffold2373	NW_004517340.1	106577	TT	GG	GG	INTERGENIC		
SNP_72409B_115516	scaffold2373	NW_004517340.1	115516	TT	AA	AA	INTERGENIC		
SNP_72410B_115573	scaffold2373	NW_004517340.1	115573	TT	CC	CC	INTERGENIC		
SNP_72411B_122318	scaffold2373	NW_004517340.1	122318	CC	TT	TT	INTRON	101507593	uncharacterized LOC101507593
SNP_72412B_124551	scaffold2373	NW_004517340.1	124551	AA	GG	GG	INTRON	101507593	uncharacterized LOC101507593
SNP_72413B_124780	scaffold2373	NW_004517340.1	124780	CC	AA	AA	INTRON	101507593	uncharacterized LOC101507593
SNP_72414B_124788	scaffold2373	NW_004517340.1	124788	CC	AA	AA	INTRON	101507593	uncharacterized LOC101507593
SNP_72415B_124789	scaffold2373	NW_004517340.1	124789	TT	AA	AA	INTRON	101507593	uncharacterized LOC101507593
SNP_72416B_124802	scaffold2373	NW_004517340.1	124802	TT	CC	CC	INTRON	101507593	uncharacterized LOC101507593
SNP_72417B_124804	scaffold2373	NW_004517340.1	124804	CC	TT	TT	INTRON	101507593	uncharacterized LOC101507593
SNP_72418B_124841	scaffold2373	NW_004517340.1	124841	CC	TT	TT	INTRON	101507593	uncharacterized LOC101507593
SNP_72419B_124853	scaffold2373	NW_004517340.1	124853	GG	AA	AA	INTRON	101507593	uncharacterized LOC101507593
SNP_72420B_124865	scaffold2373	NW_004517340.1	124865	CC	TT	TT	INTRON	101507593	uncharacterized LOC101507593

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72421B_124930	scaffold2373	NW_004517340.1	124930	TT	CC	CC	INTRON	101507593	uncharacterized LOC101507593
SNP_72422B_149123	scaffold2373	NW_004517340.1	149123	TT	GG	GG	INTERGENIC		
SNP_72423B_149329	scaffold2373	NW_004517340.1	149329	CC	TT	TT	INTERGENIC		
SNP_72424B_149367	scaffold2373	NW_004517340.1	149367	GG	TT	TT	INTERGENIC		
SNP_72425B_149408	scaffold2373	NW_004517340.1	149408	GG	AA	AA	INTERGENIC		
SNP_72426B_149578	scaffold2373	NW_004517340.1	149578	AA	GG	GG	INTERGENIC		
SNP_72427B_149652	scaffold2373	NW_004517340.1	149652	AA	GG	GG	INTERGENIC		
SNP_72428B_149716	scaffold2373	NW_004517340.1	149716	AA	CC	CC	INTERGENIC		
SNP_72429B_149971	scaffold2373	NW_004517340.1	149971	TT	CC	CC	INTERGENIC		
SNP_72430B_150053	scaffold2373	NW_004517340.1	150053	TT	CC	CC	INTERGENIC		
SNP_72431B_150122	scaffold2373	NW_004517340.1	150122	CC	TT	TT	INTERGENIC		
SNP_72432B_150146	scaffold2373	NW_004517340.1	150146	TT	CC	CC	INTERGENIC		
SNP_72433B_150184	scaffold2373	NW_004517340.1	150184	TT	CC	CC	INTERGENIC		
SNP_72434B_151019	scaffold2373	NW_004517340.1	151019	AA	GG	GG	INTERGENIC		
SNP_72435B_151064	scaffold2373	NW_004517340.1	151064	TT	CC	CC	INTERGENIC		
SNP_72436B_151068	scaffold2373	NW_004517340.1	151068	GG	TT	TT	INTERGENIC		
SNP_72437B_151070	scaffold2373	NW_004517340.1	151070	CC	TT	TT	INTERGENIC		
SNP_72438B_151085	scaffold2373	NW_004517340.1	151085	TT	CC	CC	INTERGENIC		
SNP_72439B_151327	scaffold2373	NW_004517340.1	151327	TT	CC	CC	INTERGENIC		
SNP_72440B_151456	scaffold2373	NW_004517340.1	151456	TT	CC	CC	INTERGENIC		
SNP_72441B_151833	scaffold2373	NW_004517340.1	151833	GG	AA	AA	INTERGENIC		
SNP_72442B_152333	scaffold2373	NW_004517340.1	152333	TT	GG	GG	INTERGENIC		
SNP_72443B_152521	scaffold2373	NW_004517340.1	152521	TT	CC	CC	INTERGENIC		
SNP_72444B_152620	scaffold2373	NW_004517340.1	152620	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72445B_152704	scaffold2373	NW_004517340.1	152704	CC	GG	GG	INTERGENIC		
SNP_72446B_152772	scaffold2373	NW_004517340.1	152772	AA	CC	CC	INTERGENIC		
SNP_72447B_152870	scaffold2373	NW_004517340.1	152870	AA	CC	CC	INTERGENIC		
SNP_72448B_3377	scaffold2375	NW_004517342.1	3377	AA	GG	GG	INTERGENIC		
SNP_72449B_3690	scaffold2375	NW_004517342.1	3690	TT	CC	CC	INTERGENIC		
SNP_72450B_3733	scaffold2375	NW_004517342.1	3733	TT	CC	CC	INTERGENIC		
SNP_72451B_9343	scaffold2376	NW_004517343.1	9343	GG	CC	CC	INTERGENIC		
SNP_72452B_9425	scaffold2376	NW_004517343.1	9425	AA	TT	TT	INTERGENIC		
SNP_72453B_9426	scaffold2376	NW_004517343.1	9426	AA	CC	CC	INTERGENIC		
SNP_72454B_13698	scaffold2376	NW_004517343.1	13698	CC	GG	GG	INTERGENIC		
SNP_72455B_15773	scaffold2376	NW_004517343.1	15773	AA	TT	TT	INTERGENIC		
SNP_72456B_15889	scaffold2376	NW_004517343.1	15889	CC	GG	GG	INTERGENIC		
SNP_72457B_6343	scaffold2378	NW_004517345.1	6343	TT	CC	CC	INTERGENIC		
SNP_72458B_17197	scaffold2378	NW_004517345.1	17197	TT	CC	CC	INTERGENIC		
SNP_72459B_17477	scaffold2378	NW_004517345.1	17477	GG	AA	AA	INTERGENIC		
SNP_72460B_17524	scaffold2378	NW_004517345.1	17524	CC	TT	TT	INTERGENIC		
SNP_72461B_17550	scaffold2378	NW_004517345.1	17550	TT	CC	CC	INTERGENIC		
SNP_72462B_17689	scaffold2378	NW_004517345.1	17689	TT	CC	CC	INTERGENIC		
SNP_72463B_30241	scaffold2378	NW_004517345.1	30241	AA	TT	TT	INTERGENIC		
SNP_72464B_30350	scaffold2378	NW_004517345.1	30350	AA	CC	CC	INTERGENIC		
SNP_72465B_30396	scaffold2378	NW_004517345.1	30396	AA	GG	GG	INTERGENIC		
SNP_72466B_37149	scaffold2378	NW_004517345.1	37149	GG	CC	CC	INTERGENIC		
SNP_72469B_37354	scaffold2378	NW_004517345.1	37354	CC	AA	AA	INTERGENIC		
SNP_72470B_24261	scaffold2382	NW_004517348.1	24261	GG	TT	TT	URR	101508548	pentatricopeptide repeat-containing protein At3g62890

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72472B_28602	scaffold2382	NW_004517348.1	28602	AA	TT	TT	INTRON	101508865	probable polygalacturonase At3g15720
SNP_72473B_2259	scaffold2385	NW_004517350.1	2259	TT	GG	GG	INTERGENIC		
SNP_72474B_2274	scaffold2385	NW_004517350.1	2274	TT	CC	CC	INTERGENIC		
SNP_72475B_2298	scaffold2385	NW_004517350.1	2298	GG	AA	AA	INTERGENIC		
SNP_72476B_2312	scaffold2385	NW_004517350.1	2312	CC	TT	TT	INTERGENIC		
SNP_72477B_2418	scaffold2385	NW_004517350.1	2418	CC	TT	TT	INTERGENIC		
SNP_72478B_2724	scaffold2385	NW_004517350.1	2724	GG	AA	AA	INTERGENIC		
SNP_72479B_2987	scaffold2385	NW_004517350.1	2987	CC	TT	TT	INTERGENIC		
SNP_72480B_3476	scaffold2385	NW_004517350.1	3476	TT	AA	AA	INTERGENIC		
SNP_72481B_3588	scaffold2385	NW_004517350.1	3588	AA	GG	GG	INTERGENIC		
SNP_72482B_3696	scaffold2385	NW_004517350.1	3696	AA	CC	CC	INTERGENIC		
SNP_72485B_5885	scaffold2385	NW_004517350.1	5885	TT	CC	CC	INTERGENIC		
SNP_72486B_44499	scaffold2386	NW_004517351.1	44499	AA	GG	GG	INTERGENIC		
SNP_72487B_52813	scaffold2386	NW_004517351.1	52813	TT	CC	CC	INTERGENIC		
SNP_72488B_60038	scaffold2386	NW_004517351.1	60038	TT	AA	AA	INTERGENIC		
SNP_72489B_106175	scaffold2386	NW_004517351.1	106175	TT	CC	CC	INTERGENIC		
SNP_72490B_106234	scaffold2386	NW_004517351.1	106234	GG	AA	AA	INTERGENIC		
SNP_72491B_106485	scaffold2386	NW_004517351.1	106485	CC	TT	TT	INTERGENIC		
SNP_72492B_178774	scaffold2386	NW_004517351.1	178774	CC	GG	GG	INTERGENIC		
SNP_72493B_178796	scaffold2386	NW_004517351.1	178796	AA	GG	GG	INTERGENIC		
SNP_72494B_178805	scaffold2386	NW_004517351.1	178805	AA	GG	GG	INTERGENIC		
SNP_72495B_178811	scaffold2386	NW_004517351.1	178811	AA	TT	TT	INTERGENIC		
SNP_72496B_196740	scaffold2386	NW_004517351.1	196740	CC	TT	TT	INTRON	101510914	glucan endo-1,3-beta-glucosidase-like
SNP_72497B_196742	scaffold2386	NW_004517351.1	196742	CC	TT	TT	INTRON	101510914	glucan endo-1,3-beta-glucosidase-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72498B_213781	scaffold2386	NW_004517351.1	213781	CC	TT	TT	INTERGENIC		
SNP_72499B_214134	scaffold2386	NW_004517351.1	214134	CC	AA	AA	INTERGENIC		
SNP_72500B_214138	scaffold2386	NW_004517351.1	214138	CC	TT	TT	INTERGENIC		
SNP_72501B_6945	scaffold2388	NW_004517352.1	6945	AA	GG	GG	INTERGENIC		
SNP_72502B_7717	scaffold2388	NW_004517352.1	7717	CC	TT	TT	INTERGENIC		
SNP_72503B_7887	scaffold2388	NW_004517352.1	7887	AA	CC	CC	INTERGENIC		
SNP_72504B_27123	scaffold2388	NW_004517352.1	27123	CC	GG	GG	INTERGENIC		
SNP_72505B_1515	scaffold2392	NW_004517355.1	1515	AA	CC	CC	INTERGENIC		
SNP_72506B_1519	scaffold2392	NW_004517355.1	1519	AA	GG	GG	INTERGENIC		
SNP_72507B_1588	scaffold2392	NW_004517355.1	1588	TT	AA	AA	INTERGENIC		
SNP_72508B_1760	scaffold2392	NW_004517355.1	1760	AA	CC	CC	INTERGENIC		
SNP_72511B_10908	scaffold2392	NW_004517355.1	10908	GG	AA	AA	INTERGENIC		
SNP_72512B_11214	scaffold2392	NW_004517355.1	11214	CC	GG	GG	INTERGENIC		
SNP_72513B_11327	scaffold2392	NW_004517355.1	11327	TT	GG	GG	INTERGENIC		
SNP_72514B_17806	scaffold2392	NW_004517355.1	17806	CC	TT	TT	INTERGENIC		
SNP_72515B_17812	scaffold2392	NW_004517355.1	17812	TT	CC	CC	INTERGENIC		
SNP_72516B_17860	scaffold2392	NW_004517355.1	17860	GG	CC	CC	INTERGENIC		
SNP_72517B_17913	scaffold2392	NW_004517355.1	17913	AA	GG	GG	INTERGENIC		
SNP_72518B_17944	scaffold2392	NW_004517355.1	17944	GG	AA	AA	INTERGENIC		
SNP_72519B_18007	scaffold2392	NW_004517355.1	18007	GG	CC	CC	INTERGENIC		
SNP_72520B_18795	scaffold2392	NW_004517355.1	18795	CC	TT	TT	INTERGENIC		
SNP_72521B_18811	scaffold2392	NW_004517355.1	18811	TT	AA	AA	INTERGENIC		
SNP_72522B_18866	scaffold2392	NW_004517355.1	18866	AA	GG	GG	INTERGENIC		
SNP_72523B_18873	scaffold2392	NW_004517355.1	18873	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72524B_18900	scaffold2392	NW_004517355.1	18900	TT	CC	CC	INTERGENIC		
SNP_72525B_18950	scaffold2392	NW_004517355.1	18950	AA	GG	GG	INTERGENIC		
SNP_72526B_19080	scaffold2392	NW_004517355.1	19080	TT	AA	AA	INTERGENIC		
SNP_72527B_19455	scaffold2392	NW_004517355.1	19455	TT	AA	AA	INTERGENIC		
SNP_72528B_19543	scaffold2392	NW_004517355.1	19543	GG	TT	TT	INTERGENIC		
SNP_72529B_19592	scaffold2392	NW_004517355.1	19592	GG	AA	AA	INTERGENIC		
SNP_72530B_19629	scaffold2392	NW_004517355.1	19629	AA	TT	TT	INTERGENIC		
SNP_72531B_19702	scaffold2392	NW_004517355.1	19702	AA	TT	TT	INTERGENIC		
SNP_72532B_19733	scaffold2392	NW_004517355.1	19733	GG	CC	CC	INTERGENIC		
SNP_72533B_110686	scaffold2392	NW_004517355.1	110686	GG	AA	AA	INTERGENIC		
SNP_72534B_165876	scaffold2392	NW_004517355.1	165876	TT	CC	CC	INTERGENIC		
SNP_72535B_193345	scaffold2392	NW_004517355.1	193345	CC	TT	TT	INTERGENIC		
SNP_72536B_193348	scaffold2392	NW_004517355.1	193348	AA	GG	GG	INTERGENIC		
SNP_72538B_280516	scaffold2392	NW_004517355.1	280516	AA	TT	TT	INTERGENIC		
SNP_72539B_283586	scaffold2392	NW_004517355.1	283586	AA	GG	GG	INTERGENIC		
SNP_72540B_283651	scaffold2392	NW_004517355.1	283651	TT	CC	CC	INTERGENIC		
SNP_72541B_322850	scaffold2392	NW_004517355.1	322850	AA	GG	GG	INTERGENIC		
SNP_72542B_322865	scaffold2392	NW_004517355.1	322865	GG	AA	AA	INTERGENIC		
SNP_72543B_323193	scaffold2392	NW_004517355.1	323193	GG	CC	CC	INTERGENIC		
SNP_72544B_325998	scaffold2392	NW_004517355.1	325998	CC	AA	AA	INTERGENIC		
SNP_72545B_326165	scaffold2392	NW_004517355.1	326165	CC	AA	AA	INTERGENIC		
SNP_72547B_326235	scaffold2392	NW_004517355.1	326235	CC	GG	GG	INTERGENIC		
SNP_72548B_326260	scaffold2392	NW_004517355.1	326260	AA	CC	CC	INTERGENIC		
SNP_72549B_354133	scaffold2392	NW_004517355.1	354133	AA	GG	GG	URR	101515105	DNA repair helicase UVH6

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72550B_3755	scaffold2394	NW_004517356.1	3755	GG	TT	TT	INTERGENIC		
SNP_72551B_3807	scaffold2394	NW_004517356.1	3807	GG	AA	AA	INTERGENIC		
SNP_72552B_1452	scaffold2396	NW_004517358.1	1452	AA	GG	GG	INTERGENIC		
SNP_72553B_1791	scaffold2396	NW_004517358.1	1791	AA	GG	GG	INTERGENIC		
SNP_72554B_1796	scaffold2396	NW_004517358.1	1796	AA	GG	GG	INTERGENIC		
SNP_72555B_1843	scaffold2396	NW_004517358.1	1843	GG	AA	AA	INTERGENIC		
SNP_72556B_768	scaffold2397	NW_004517359.1	768	GG	CC	CC	INTERGENIC		
SNP_72557B_790	scaffold2397	NW_004517359.1	790	TT	AA	AA	INTERGENIC		
SNP_72559B_678	scaffold2409	NW_004517366.1	678	CC	GG	GG	INTERGENIC		
SNP_72560B_7280	scaffold2410	NW_004517367.1	7280	CC	GG	GG	INTERGENIC		
SNP_72561B_7597	scaffold2410	NW_004517367.1	7597	CC	AA	AA	INTERGENIC		
SNP_72562B_7617	scaffold2410	NW_004517367.1	7617	AA	GG	GG	INTERGENIC		
SNP_72563B_7622	scaffold2410	NW_004517367.1	7622	AA	GG	GG	INTERGENIC		
SNP_72564B_7647	scaffold2410	NW_004517367.1	7647	TT	AA	AA	INTERGENIC		
SNP_72565B_10085	scaffold2410	NW_004517367.1	10085	AA	TT	TT	INTERGENIC		
SNP_72566B_12242	scaffold2410	NW_004517367.1	12242	AA	GG	GG	INTERGENIC		
SNP_72568B_15354	scaffold2410	NW_004517367.1	15354	TT	AA	AA	INTERGENIC		
SNP_72569B_16089	scaffold2410	NW_004517367.1	16089	AA	CC	CC	INTERGENIC		
SNP_72570B_16156	scaffold2410	NW_004517367.1	16156	CC	TT	TT	INTERGENIC		
SNP_72571B_16181	scaffold2410	NW_004517367.1	16181	GG	TT	TT	INTERGENIC		
SNP_72572B_16202	scaffold2410	NW_004517367.1	16202	AA	GG	GG	INTERGENIC		
SNP_72573B_31852	scaffold2410	NW_004517367.1	31852	CC	GG	GG	INTERGENIC		
SNP_72574B_9232	scaffold2412	NW_004517369.1	9232	CC	TT	TT	INTERGENIC		
SNP_72576B_12836	scaffold2412	NW_004517369.1	12836	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72577B_12864	scaffold2412	NW_004517369.1	12864	TT	CC	CC	INTERGENIC		
SNP_72578B_12865	scaffold2412	NW_004517369.1	12865	AA	GG	GG	INTERGENIC		
SNP_72579B_12866	scaffold2412	NW_004517369.1	12866	GG	AA	AA	INTERGENIC		
SNP_72580B_13184	scaffold2412	NW_004517369.1	13184	TT	CC	CC	INTERGENIC		
SNP_72581B_29399	scaffold2412	NW_004517369.1	29399	GG	CC	CC	INTERGENIC		
SNP_72582B_46553	scaffold2412	NW_004517369.1	46553	TT	AA	AA	INTERGENIC		
SNP_72583B_48500	scaffold2412	NW_004517369.1	48500	TT	AA	AA	INTERGENIC		
SNP_72584B_64258	scaffold2412	NW_004517369.1	64258	AA	GG	GG	INTERGENIC		
SNP_72585B_64281	scaffold2412	NW_004517369.1	64281	TT	AA	AA	INTERGENIC		
SNP_72586B_12575	scaffold2413	NW_004517370.1	12575	TT	GG	GG	INTERGENIC		
SNP_72587B_12778	scaffold2413	NW_004517370.1	12778	GG	TT	TT	INTERGENIC		
SNP_72588B_12791	scaffold2413	NW_004517370.1	12791	AA	TT	TT	INTERGENIC		
SNP_72589B_12934	scaffold2413	NW_004517370.1	12934	AA	GG	GG	INTERGENIC		
SNP_72590B_627	scaffold2415	NW_004517371.1	627	TT	CC	CC	INTERGENIC		
SNP_72591B_92168	scaffold2415	NW_004517371.1	92168	CC	TT	TT	INTERGENIC		
SNP_72592B_8079	scaffold2421	NW_004517375.1	8079	AA	GG	GG	INTERGENIC		
SNP_72593B_8337	scaffold2421	NW_004517375.1	8337	CC	AA	AA	INTERGENIC		
SNP_72594B_8411	scaffold2421	NW_004517375.1	8411	AA	TT	TT	INTERGENIC		
SNP_72595B_8416	scaffold2421	NW_004517375.1	8416	GG	AA	AA	INTERGENIC		
SNP_72596B_8519	scaffold2421	NW_004517375.1	8519	TT	CC	CC	INTERGENIC		
SNP_72597B_12636	scaffold2421	NW_004517375.1	12636	AA	TT	TT	INTERGENIC		
SNP_72598B_16779	scaffold2421	NW_004517375.1	16779	CC	AA	AA	INTERGENIC		
SNP_72599B_16780	scaffold2421	NW_004517375.1	16780	AA	CC	CC	INTERGENIC		
SNP_72600B_16787	scaffold2421	NW_004517375.1	16787	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72601B_17169	scaffold2421	NW_004517375.1	17169	CC	TT	TT	INTERGENIC		
SNP_72602B_24823	scaffold2421	NW_004517375.1	24823	AA	GG	GG	INTERGENIC		
SNP_72603B_25154	scaffold2421	NW_004517375.1	25154	TT	CC	CC	INTERGENIC		
SNP_72604B_25239	scaffold2421	NW_004517375.1	25239	TT	AA	AA	INTERGENIC		
SNP_72605B_25251	scaffold2421	NW_004517375.1	25251	TT	GG	GG	INTERGENIC		
SNP_72606B_25396	scaffold2421	NW_004517375.1	25396	CC	AA	AA	INTERGENIC		
SNP_72607B_34315	scaffold2421	NW_004517375.1	34315	TT	CC	CC	INTERGENIC		
SNP_72608B_34345	scaffold2421	NW_004517375.1	34345	GG	AA	AA	INTERGENIC		
SNP_72609B_34347	scaffold2421	NW_004517375.1	34347	AA	CC	CC	INTERGENIC		
SNP_72610B_34411	scaffold2421	NW_004517375.1	34411	CC	GG	GG	INTERGENIC		
SNP_72611B_34517	scaffold2421	NW_004517375.1	34517	TT	AA	AA	INTERGENIC		
SNP_72612B_34563	scaffold2421	NW_004517375.1	34563	CC	GG	GG	INTERGENIC		
SNP_72613B_34638	scaffold2421	NW_004517375.1	34638	TT	AA	AA	INTERGENIC		
SNP_72614B_39827	scaffold2421	NW_004517375.1	39827	AA	GG	GG	INTERGENIC		
SNP_72615B_39829	scaffold2421	NW_004517375.1	39829	AA	CC	CC	INTERGENIC		
SNP_72616B_39855	scaffold2421	NW_004517375.1	39855	GG	TT	TT	INTERGENIC		
SNP_72617B_40198	scaffold2421	NW_004517375.1	40198	TT	CC	CC	INTERGENIC		
SNP_72618B_40199	scaffold2421	NW_004517375.1	40199	CC	AA	AA	INTERGENIC		
SNP_72619B_40288	scaffold2421	NW_004517375.1	40288	CC	TT	TT	INTERGENIC		
SNP_72620B_40305	scaffold2421	NW_004517375.1	40305	GG	AA	AA	INTERGENIC		
SNP_72621B_40407	scaffold2421	NW_004517375.1	40407	TT	CC	CC	INTERGENIC		
SNP_72622B_40451	scaffold2421	NW_004517375.1	40451	GG	AA	AA	INTERGENIC		
SNP_72623B_40746	scaffold2421	NW_004517375.1	40746	CC	TT	TT	INTERGENIC		
SNP_72624B_48511	scaffold2421	NW_004517375.1	48511	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72625B_48748	scaffold2421	NW_004517375.1	48748	AA	TT	TT	INTERGENIC		
SNP_72626B_48858	scaffold2421	NW_004517375.1	48858	AA	GG	GG	INTERGENIC		
SNP_72627B_48876	scaffold2421	NW_004517375.1	48876	GG	TT	TT	INTERGENIC		
SNP_72628B_48893	scaffold2421	NW_004517375.1	48893	CC	TT	TT	INTERGENIC		
SNP_72629B_49149	scaffold2421	NW_004517375.1	49149	GG	AA	AA	INTERGENIC		
SNP_72630B_49273	scaffold2421	NW_004517375.1	49273	TT	CC	CC	INTERGENIC		
SNP_72631B_50175	scaffold2421	NW_004517375.1	50175	AA	GG	GG	INTERGENIC		
SNP_72632B_50417	scaffold2421	NW_004517375.1	50417	GG	AA	AA	INTERGENIC		
SNP_72633B_60462	scaffold2421	NW_004517375.1	60462	AA	CC	CC	INTERGENIC		
SNP_72634B_60465	scaffold2421	NW_004517375.1	60465	TT	AA	AA	INTERGENIC		
SNP_72635B_60467	scaffold2421	NW_004517375.1	60467	TT	AA	AA	INTERGENIC		
SNP_72636B_60468	scaffold2421	NW_004517375.1	60468	TT	CC	CC	INTERGENIC		
SNP_72637B_60543	scaffold2421	NW_004517375.1	60543	CC	TT	TT	INTERGENIC		
SNP_72638B_60563	scaffold2421	NW_004517375.1	60563	GG	AA	AA	INTERGENIC		
SNP_72639B_60600	scaffold2421	NW_004517375.1	60600	TT	CC	CC	INTERGENIC		
SNP_72640B_60656	scaffold2421	NW_004517375.1	60656	AA	CC	CC	INTERGENIC		
SNP_72641B_60832	scaffold2421	NW_004517375.1	60832	CC	TT	TT	INTERGENIC		
SNP_72642B_61070	scaffold2421	NW_004517375.1	61070	CC	AA	AA	INTERGENIC		
SNP_72643B_61097	scaffold2421	NW_004517375.1	61097	AA	TT	TT	INTERGENIC		
SNP_72644B_61132	scaffold2421	NW_004517375.1	61132	AA	GG	GG	INTERGENIC		
SNP_72645B_61225	scaffold2421	NW_004517375.1	61225	TT	GG	GG	INTERGENIC		
SNP_72647B_2379	scaffold2433	NW_004517383.1	2379	CC	AA	AA	INTERGENIC		
SNP_72648B_2779	scaffold2433	NW_004517383.1	2779	AA	CC	CC	INTERGENIC		
SNP_72649B_3249	scaffold2433	NW_004517383.1	3249	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72650B_3309	scaffold2433	NW_004517383.1	3309	GG	AA	AA	INTERGENIC		
SNP_72651B_9755	scaffold2433	NW_004517383.1	9755	GG	TT	TT	INTERGENIC		
SNP_72652B_9831	scaffold2433	NW_004517383.1	9831	TT	CC	CC	INTERGENIC		
SNP_72653B_16673	scaffold2433	NW_004517383.1	16673	GG	AA	AA	INTERGENIC		
SNP_72654B_16686	scaffold2433	NW_004517383.1	16686	CC	AA	AA	INTERGENIC		
SNP_72655B_16701	scaffold2433	NW_004517383.1	16701	TT	CC	CC	INTERGENIC		
SNP_72656B_16706	scaffold2433	NW_004517383.1	16706	AA	GG	GG	INTERGENIC		
SNP_72657B_16761	scaffold2433	NW_004517383.1	16761	CC	TT	TT	INTERGENIC		
SNP_72658B_16830	scaffold2433	NW_004517383.1	16830	AA	GG	GG	INTERGENIC		
SNP_72659B_16878	scaffold2433	NW_004517383.1	16878	CC	TT	TT	INTERGENIC		
SNP_72660B_16922	scaffold2433	NW_004517383.1	16922	AA	GG	GG	INTERGENIC		
SNP_72661B_17050	scaffold2433	NW_004517383.1	17050	CC	TT	TT	INTERGENIC		
SNP_72662B_17079	scaffold2433	NW_004517383.1	17079	TT	GG	GG	INTERGENIC		
SNP_72663B_17111	scaffold2433	NW_004517383.1	17111	TT	GG	GG	INTERGENIC		
SNP_72664B_17112	scaffold2433	NW_004517383.1	17112	CC	TT	TT	INTERGENIC		
SNP_72665B_2667	scaffold2434	NW_004517384.1	2667	TT	AA	AA	INTERGENIC		
SNP_72666B_2939	scaffold2434	NW_004517384.1	2939	GG	AA	AA	INTERGENIC		
SNP_72667B_13054	scaffold2434	NW_004517384.1	13054	TT	CC	CC	INTERGENIC		
SNP_72668B_15973	scaffold2434	NW_004517384.1	15973	TT	GG	GG	INTERGENIC		
SNP_72670B_28291	scaffold2434	NW_004517384.1	28291	AA	TT	TT	INTERGENIC		
SNP_72671B_28794	scaffold2434	NW_004517384.1	28794	CC	TT	TT	INTERGENIC		
SNP_72672B_28811	scaffold2434	NW_004517384.1	28811	GG	TT	TT	INTERGENIC		
SNP_72673B_29472	scaffold2434	NW_004517384.1	29472	TT	GG	GG	INTERGENIC		
SNP_72674B_29490	scaffold2434	NW_004517384.1	29490	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72675B_29785	scaffold2434	NW_004517384.1	29785	CC	TT	TT	INTERGENIC		
SNP_72676B_29808	scaffold2434	NW_004517384.1	29808	TT	GG	GG	INTERGENIC		
SNP_72677B_44876	scaffold2434	NW_004517384.1	44876	GG	AA	AA	INTERGENIC		
SNP_72678B_44908	scaffold2434	NW_004517384.1	44908	TT	AA	AA	INTERGENIC		
SNP_72679B_45356	scaffold2434	NW_004517384.1	45356	TT	AA	AA	INTERGENIC		
SNP_72680B_45399	scaffold2434	NW_004517384.1	45399	AA	TT	TT	INTERGENIC		
SNP_72681B_45410	scaffold2434	NW_004517384.1	45410	TT	AA	AA	INTERGENIC		
SNP_72682B_45469	scaffold2434	NW_004517384.1	45469	GG	AA	AA	INTERGENIC		
SNP_72683B_72149	scaffold2434	NW_004517384.1	72149	CC	TT	TT	INTERGENIC		
SNP_72685B_346	scaffold2439	NW_004517387.1	346	TT	CC	CC	INTERGENIC		
SNP_72686B_348	scaffold2439	NW_004517387.1	348	TT	GG	GG	INTERGENIC		
SNP_72687B_64	scaffold2440	NW_004517388.1	64	CC	TT	TT	INTERGENIC		
SNP_72688B_1048	scaffold2440	NW_004517388.1	1048	AA	CC	CC	INTERGENIC		
SNP_72689B_1235	scaffold2440	NW_004517388.1	1235	TT	CC	CC	INTERGENIC		
SNP_72690B_10644	scaffold2445	NW_004517392.1	10644	CC	TT	TT	INTERGENIC		
SNP_72691B_10873	scaffold2445	NW_004517392.1	10873	CC	TT	TT	INTERGENIC		
SNP_72692B_10926	scaffold2445	NW_004517392.1	10926	GG	TT	TT	INTERGENIC		
SNP_72693B_10976	scaffold2445	NW_004517392.1	10976	CC	TT	TT	INTERGENIC		
SNP_72694B_10989	scaffold2445	NW_004517392.1	10989	TT	AA	AA	INTERGENIC		
SNP_72695B_19737	scaffold2445	NW_004517392.1	19737	CC	TT	TT	INTERGENIC		
SNP_72696B_20650	scaffold2445	NW_004517392.1	20650	AA	TT	TT	INTERGENIC		
SNP_72697B_354	scaffold2446	NW_004517393.1	354	CC	AA	AA	INTERGENIC		
SNP_72698B_5151	scaffold2446	NW_004517393.1	5151	AA	TT	TT	DRR	101491978	Unknown function
SNP_72699B_5989	scaffold2446	NW_004517393.1	5989	AA	TT	TT	INTRON	101491978	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72700B_6003	scaffold2446	NW_004517393.1	6003	GG	AA	AA	INTRON	101491978	Unknown function
SNP_72701B_6023	scaffold2446	NW_004517393.1	6023	TT	CC	CC	INTRON	101491978	Unknown function
SNP_72702B_6229	scaffold2446	NW_004517393.1	6229	CC	AA	AA	INTRON	101491978	Unknown function
SNP_72703B_6312	scaffold2446	NW_004517393.1	6312	TT	AA	AA	INTRON	101491978	Unknown function
SNP_72704B_6720	scaffold2446	NW_004517393.1	6720	GG	CC	CC	INTRON	101491978	Unknown function
SNP_72705B_6728	scaffold2446	NW_004517393.1	6728	TT	GG	GG	INTRON	101491978	Unknown function
SNP_72706B_6772	scaffold2446	NW_004517393.1	6772	AA	TT	TT	INTRON	101491978	Unknown function
SNP_72707B_10077	scaffold2446	NW_004517393.1	10077	TT	AA	AA	INTRON	101491978	Unknown function
SNP_72708B_13973	scaffold2446	NW_004517393.1	13973	CC	AA	AA	URR	101491978	Unknown function
SNP_72709B_1128	scaffold2458	NW_004517400.1	1128	AA	GG	GG	INTERGENIC		
SNP_72710B_20180	scaffold2459	NW_004517401.1	20180	AA	CC	CC	INTERGENIC		
SNP_72711B_21669	scaffold2459	NW_004517401.1	21669	TT	CC	CC	INTERGENIC		
SNP_72712B_38105	scaffold2459	NW_004517401.1	38105	TT	CC	CC	INTERGENIC		
SNP_72713B_42218	scaffold2459	NW_004517401.1	42218	AA	CC	CC	INTERGENIC		
SNP_72714B_42489	scaffold2459	NW_004517401.1	42489	CC	GG	GG	INTERGENIC		
SNP_72715B_65579	scaffold2459	NW_004517401.1	65579	TT	CC	CC	INTERGENIC		
SNP_72716B_66095	scaffold2459	NW_004517401.1	66095	TT	CC	CC	INTERGENIC		
SNP_72717B_66099	scaffold2459	NW_004517401.1	66099	AA	GG	GG	INTERGENIC		
SNP_72718B_66342	scaffold2459	NW_004517401.1	66342	AA	GG	GG	INTERGENIC		
SNP_72719B_66397	scaffold2459	NW_004517401.1	66397	CC	TT	TT	INTERGENIC		
SNP_72720B_72611	scaffold2459	NW_004517401.1	72611	CC	TT	TT	INTERGENIC		
SNP_72721B_80577	scaffold2459	NW_004517401.1	80577	TT	CC	CC	INTERGENIC		
SNP_72723B_10933	scaffold2470	NW_004517408.1	10933	AA	GG	GG	INTERGENIC		
SNP_72724B_10983	scaffold2470	NW_004517408.1	10983	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72725B_11297	scaffold2470	NW_004517408.1	11297	AA	TT	TT	INTERGENIC		
SNP_72726B_11325	scaffold2470	NW_004517408.1	11325	TT	CC	CC	INTERGENIC		
SNP_72727B_251	scaffold2471	NW_004517409.1	251	TT	GG	GG	INTERGENIC		
SNP_72728B_281	scaffold2471	NW_004517409.1	281	CC	AA	AA	INTERGENIC		
SNP_72729B_403	scaffold2471	NW_004517409.1	403	CC	TT	TT	INTERGENIC		
SNP_72730B_537	scaffold2471	NW_004517409.1	537	TT	GG	GG	INTERGENIC		
SNP_72731B_952	scaffold2471	NW_004517409.1	952	CC	TT	TT	INTERGENIC		
SNP_72732B_959	scaffold2471	NW_004517409.1	959	CC	TT	TT	INTERGENIC		
SNP_72733B_1516	scaffold2471	NW_004517409.1	1516	CC	AA	AA	INTERGENIC		
SNP_72734B_2731	scaffold2473	NW_004517411.1	2731	GG	CC	CC	INTERGENIC		
SNP_72735B_6417	scaffold2473	NW_004517411.1	6417	CC	TT	TT	URR	101492976	Unknown function
SNP_72736B_6439	scaffold2473	NW_004517411.1	6439	GG	AA	AA	URR	101492976	Unknown function
SNP_72737B_6471	scaffold2473	NW_004517411.1	6471	CC	TT	TT	URR	101492976	Unknown function
SNP_72738B_6734	scaffold2473	NW_004517411.1	6734	GG	AA	AA	INTERGENIC		
SNP_72739B_442	scaffold2477	NW_004517413.1	442	AA	TT	TT	INTERGENIC		
SNP_72740B_15666	scaffold2477	NW_004517413.1	15666	AA	TT	TT	INTERGENIC		
SNP_72741B_15727	scaffold2477	NW_004517413.1	15727	CC	TT	TT	INTERGENIC		
SNP_72742B_15749	scaffold2477	NW_004517413.1	15749	CC	TT	TT	INTERGENIC		
SNP_72743B_15849	scaffold2477	NW_004517413.1	15849	TT	GG	GG	INTERGENIC		
SNP_72744B_15880	scaffold2477	NW_004517413.1	15880	TT	AA	AA	INTERGENIC		
SNP_72745B_17705	scaffold2477	NW_004517413.1	17705	CC	TT	TT	INTERGENIC		
SNP_72746B_17765	scaffold2477	NW_004517413.1	17765	AA	CC	CC	INTERGENIC		
SNP_72747B_315	scaffold2482	NW_004517415.1	315	GG	AA	AA	INTERGENIC		
SNP_72749B_6192	scaffold2482	NW_004517415.1	6192	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72750B_8282	scaffold2482	NW_004517415.1	8282	CC	TT	TT	INTERGENIC		
SNP_72751B_11671	scaffold2482	NW_004517415.1	11671	AA	CC	CC	INTERGENIC		
SNP_72752B_11761	scaffold2482	NW_004517415.1	11761	TT	GG	GG	INTERGENIC		
SNP_72753B_398	scaffold2483	NW_004517416.1	398	CC	AA	AA	INTERGENIC		
SNP_72754B_755	scaffold2483	NW_004517416.1	755	TT	AA	AA	INTERGENIC		
SNP_72755B_1090	scaffold2483	NW_004517416.1	1090	GG	TT	TT	INTERGENIC		
SNP_72756B_1138	scaffold2483	NW_004517416.1	1138	AA	TT	TT	INTERGENIC		
SNP_72757B_80	scaffold2484	NW_004517417.1	80	AA	GG	GG	INTERGENIC		
SNP_72758B_308	scaffold2484	NW_004517417.1	308	CC	AA	AA	INTERGENIC		
SNP_72759B_310	scaffold2484	NW_004517417.1	310	AA	TT	TT	INTERGENIC		
SNP_72760B_311	scaffold2484	NW_004517417.1	311	TT	AA	AA	INTERGENIC		
SNP_72761B_343	scaffold2484	NW_004517417.1	343	GG	TT	TT	INTERGENIC		
SNP_72762B_344	scaffold2484	NW_004517417.1	344	AA	TT	TT	INTERGENIC		
SNP_72763B_356	scaffold2484	NW_004517417.1	356	TT	CC	CC	INTERGENIC		
SNP_72764B_362	scaffold2484	NW_004517417.1	362	GG	AA	AA	INTERGENIC		
SNP_72765B_7210	scaffold2486	NW_004517419.1	7210	TT	GG	GG	INTERGENIC		
SNP_72766B_7255	scaffold2486	NW_004517419.1	7255	AA	CC	CC	INTERGENIC		
SNP_72767B_7287	scaffold2486	NW_004517419.1	7287	GG	AA	AA	INTERGENIC		
SNP_72768B_7553	scaffold2486	NW_004517419.1	7553	GG	TT	TT	INTERGENIC		
SNP_72769B_7837	scaffold2486	NW_004517419.1	7837	AA	CC	CC	INTERGENIC		
SNP_72770B_8298	scaffold2486	NW_004517419.1	8298	GG	AA	AA	INTERGENIC		
SNP_72771B_8714	scaffold2486	NW_004517419.1	8714	CC	AA	AA	INTERGENIC		
SNP_72772B_9104	scaffold2486	NW_004517419.1	9104	GG	CC	CC	INTERGENIC		
SNP_72774B_410	scaffold2487	NW_004517420.1	410	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72775B_524	scaffold2487	NW_004517420.1	524	AA	CC	CC	INTERGENIC		
SNP_72776B_931	scaffold2487	NW_004517420.1	931	TT	CC	CC	INTERGENIC		
SNP_72777B_1881	scaffold2487	NW_004517420.1	1881	GG	AA	AA	INTERGENIC		
SNP_72778B_2000	scaffold2487	NW_004517420.1	2000	GG	AA	AA	INTERGENIC		
SNP_72779B_2008	scaffold2487	NW_004517420.1	2008	AA	GG	GG	INTERGENIC		
SNP_72780B_2027	scaffold2487	NW_004517420.1	2027	CC	TT	TT	INTERGENIC		
SNP_72781B_6023	scaffold2487	NW_004517420.1	6023	AA	TT	TT	INTERGENIC		
SNP_72782B_6071	scaffold2487	NW_004517420.1	6071	TT	CC	CC	INTERGENIC		
SNP_72783B_6117	scaffold2487	NW_004517420.1	6117	TT	CC	CC	INTERGENIC		
SNP_72784B_6256	scaffold2487	NW_004517420.1	6256	AA	CC	CC	INTERGENIC		
SNP_72785B_6422	scaffold2487	NW_004517420.1	6422	TT	CC	CC	INTERGENIC		
SNP_72786B_64	scaffold2489	NW_004517422.1	64	CC	TT	TT	INTERGENIC		
SNP_72787B_66	scaffold2489	NW_004517422.1	66	CC	GG	GG	INTERGENIC		
SNP_72788B_1772	scaffold2489	NW_004517422.1	1772	CC	AA	AA	INTERGENIC		
SNP_72791B_2123	scaffold2489	NW_004517422.1	2123	AA	GG	GG	INTERGENIC		
SNP_72792B_5795	scaffold2491	NW_004517424.1	5795	AA	GG	GG	INTERGENIC		
SNP_72793B_6132	scaffold2491	NW_004517424.1	6132	TT	CC	CC	INTERGENIC		
SNP_72795B_6363	scaffold2491	NW_004517424.1	6363	CC	TT	TT	INTERGENIC		
SNP_72796B_6586	scaffold2491	NW_004517424.1	6586	CC	TT	TT	INTERGENIC		
SNP_72797B_6606	scaffold2491	NW_004517424.1	6606	TT	CC	CC	INTERGENIC		
SNP_72798B_6937	scaffold2491	NW_004517424.1	6937	AA	TT	TT	INTERGENIC		
SNP_72799B_6939	scaffold2491	NW_004517424.1	6939	AA	CC	CC	INTERGENIC		
SNP_72800B_7182	scaffold2491	NW_004517424.1	7182	AA	GG	GG	INTERGENIC		
SNP_72801B_7221	scaffold2491	NW_004517424.1	7221	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72802B_239	scaffold2492	NW_004517425.1	239	CC	TT	TT	INTERGENIC		
SNP_72803B_590	scaffold2492	NW_004517425.1	590	TT	CC	CC	INTERGENIC		
SNP_72804B_628	scaffold2492	NW_004517425.1	628	GG	TT	TT	INTERGENIC		
SNP_72805B_665	scaffold2497	NW_004517430.1	665	CC	GG	GG	INTERGENIC		
SNP_72806B_756	scaffold2497	NW_004517430.1	756	TT	AA	AA	INTERGENIC		
SNP_72807B_765	scaffold2497	NW_004517430.1	765	AA	GG	GG	INTERGENIC		
SNP_72808B_947	scaffold2497	NW_004517430.1	947	AA	GG	GG	INTERGENIC		
SNP_72809B_963	scaffold2497	NW_004517430.1	963	TT	AA	AA	INTERGENIC		
SNP_72810B_1252	scaffold2497	NW_004517430.1	1252	GG	AA	AA	INTERGENIC		
SNP_72811B_1284	scaffold2497	NW_004517430.1	1284	AA	GG	GG	INTERGENIC		
SNP_72812B_1314	scaffold2497	NW_004517430.1	1314	AA	GG	GG	INTERGENIC		
SNP_72813B_712	scaffold2498	NW_004517431.1	712	AA	GG	GG	INTERGENIC		
SNP_72814B_1133	scaffold2498	NW_004517431.1	1133	AA	GG	GG	INTERGENIC		
SNP_72816B_748	scaffold2505	NW_004517436.1	748	CC	TT	TT	INTERGENIC		
SNP_72817B_787	scaffold2505	NW_004517436.1	787	AA	GG	GG	INTERGENIC		
SNP_72818B_794	scaffold2505	NW_004517436.1	794	TT	GG	GG	INTERGENIC		
SNP_72819B_796	scaffold2505	NW_004517436.1	796	AA	GG	GG	INTERGENIC		
SNP_72820B_839	scaffold2505	NW_004517436.1	839	CC	AA	AA	INTERGENIC		
SNP_72821B_895	scaffold2505	NW_004517436.1	895	TT	AA	AA	INTERGENIC		
SNP_72822B_1056	scaffold2505	NW_004517436.1	1056	TT	GG	GG	INTERGENIC		
SNP_72823B_1078	scaffold2505	NW_004517436.1	1078	AA	GG	GG	INTERGENIC		
SNP_72824B_1424	scaffold2505	NW_004517436.1	1424	AA	TT	TT	INTERGENIC		
SNP_72826B_1785	scaffold2505	NW_004517436.1	1785	TT	AA	AA	INTERGENIC		
SNP_72828B_1924	scaffold2505	NW_004517436.1	1924	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72829B_2133	scaffold2505	NW_004517436.1	2133	AA	CC	CC	INTERGENIC		
SNP_72830B_2314	scaffold2505	NW_004517436.1	2314	AA	GG	GG	INTERGENIC		
SNP_72831B_2368	scaffold2505	NW_004517436.1	2368	AA	GG	GG	INTERGENIC		
SNP_72832B_2426	scaffold2505	NW_004517436.1	2426	GG	TT	TT	INTERGENIC		
SNP_72833B_2489	scaffold2505	NW_004517436.1	2489	AA	TT	TT	INTERGENIC		
SNP_72834B_2499	scaffold2505	NW_004517436.1	2499	GG	CC	CC	INTERGENIC		
SNP_72835B_2501	scaffold2505	NW_004517436.1	2501	GG	AA	AA	INTERGENIC		
SNP_72836B_2540	scaffold2505	NW_004517436.1	2540	CC	AA	AA	INTERGENIC		
SNP_72837B_2542	scaffold2505	NW_004517436.1	2542	TT	CC	CC	INTERGENIC		
SNP_72838B_2787	scaffold2505	NW_004517436.1	2787	TT	AA	AA	INTERGENIC		
SNP_72839B_2798	scaffold2505	NW_004517436.1	2798	GG	CC	CC	INTERGENIC		
SNP_72840B_2841	scaffold2505	NW_004517436.1	2841	TT	GG	AA	INTERGENIC		
SNP_72841B_291	scaffold2506	NW_004517437.1	291	TT	CC	CC	INTERGENIC		
SNP_72842B_9883	scaffold2506	NW_004517437.1	9883	TT	GG	GG	INTERGENIC		
SNP_72843B_1230	scaffold2511	NW_004517439.1	1230	AA	GG	GG	INTERGENIC		
SNP_72844B_1290	scaffold2511	NW_004517439.1	1290	AA	CC	CC	INTERGENIC		
SNP_72845B_1294	scaffold2511	NW_004517439.1	1294	CC	TT	TT	INTERGENIC		
SNP_72846B_1888	scaffold2511	NW_004517439.1	1888	CC	GG	GG	INTERGENIC		
SNP_72847B_1900	scaffold2511	NW_004517439.1	1900	AA	GG	GG	INTERGENIC		
SNP_72848B_2966	scaffold2511	NW_004517439.1	2966	GG	AA	AA	INTERGENIC		
SNP_72849B_3048	scaffold2511	NW_004517439.1	3048	CC	TT	TT	INTERGENIC		
SNP_72850B_3204	scaffold2511	NW_004517439.1	3204	AA	GG	GG	INTERGENIC		
SNP_72851B_3234	scaffold2511	NW_004517439.1	3234	CC	GG	GG	INTERGENIC		
SNP_72852B_3419	scaffold2511	NW_004517439.1	3419	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72853B_3461	scaffold2511	NW_004517439.1	3461	TT	CC	CC	INTERGENIC		
SNP_72854B_3736	scaffold2511	NW_004517439.1	3736	GG	TT	TT	INTERGENIC		
SNP_72855B_3878	scaffold2511	NW_004517439.1	3878	CC	TT	TT	INTERGENIC		
SNP_72856B_4473	scaffold2511	NW_004517439.1	4473	TT	CC	CC	INTERGENIC		
SNP_72857B_4545	scaffold2511	NW_004517439.1	4545	GG	TT	TT	INTERGENIC		
SNP_72858B_4674	scaffold2511	NW_004517439.1	4674	AA	GG	GG	INTERGENIC		
SNP_72859B_4683	scaffold2511	NW_004517439.1	4683	GG	TT	TT	INTERGENIC		
SNP_72860B_4760	scaffold2511	NW_004517439.1	4760	AA	GG	GG	INTERGENIC		
SNP_72861B_4878	scaffold2511	NW_004517439.1	4878	CC	TT	TT	INTERGENIC		
SNP_72862B_4917	scaffold2511	NW_004517439.1	4917	GG	CC	CC	INTERGENIC		
SNP_72863B_4932	scaffold2511	NW_004517439.1	4932	CC	AA	AA	INTERGENIC		
SNP_72864B_5036	scaffold2511	NW_004517439.1	5036	GG	AA	AA	INTERGENIC		
SNP_72865B_5266	scaffold2511	NW_004517439.1	5266	TT	CC	CC	INTERGENIC		
SNP_72866B_5286	scaffold2511	NW_004517439.1	5286	CC	TT	TT	INTERGENIC		
SNP_72867B_5287	scaffold2511	NW_004517439.1	5287	TT	CC	CC	INTERGENIC		
SNP_72868B_6333	scaffold2511	NW_004517439.1	6333	AA	GG	GG	INTERGENIC		
SNP_72869B_6385	scaffold2511	NW_004517439.1	6385	GG	TT	TT	INTERGENIC		
SNP_72870B_6570	scaffold2511	NW_004517439.1	6570	AA	TT	TT	INTERGENIC		
SNP_72871B_6698	scaffold2511	NW_004517439.1	6698	GG	AA	AA	INTERGENIC		
SNP_72872B_7375	scaffold2511	NW_004517439.1	7375	CC	TT	TT	INTERGENIC		
SNP_72874B_24950	scaffold2511	NW_004517439.1	24950	GG	TT	TT	INTERGENIC		
SNP_72875B_24999	scaffold2511	NW_004517439.1	24999	AA	GG	GG	INTERGENIC		
SNP_72876B_25029	scaffold2511	NW_004517439.1	25029	AA	GG	GG	INTERGENIC		
SNP_72877B_59604	scaffold2511	NW_004517439.1	59604	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72878B_60505	scaffold2511	NW_004517439.1	60505	GG	AA	AA	INTERGENIC		
SNP_72879B_60654	scaffold2511	NW_004517439.1	60654	AA	GG	GG	INTERGENIC		
SNP_72880B_60845	scaffold2511	NW_004517439.1	60845	AA	TT	TT	INTERGENIC		
SNP_72881B_60890	scaffold2511	NW_004517439.1	60890	GG	AA	AA	INTERGENIC		
SNP_72882B_60978	scaffold2511	NW_004517439.1	60978	CC	GG	GG	INTERGENIC		
SNP_72883B_61145	scaffold2511	NW_004517439.1	61145	CC	TT	TT	INTERGENIC		
SNP_72884B_61875	scaffold2511	NW_004517439.1	61875	AA	CC	CC	INTERGENIC		
SNP_72885B_62086	scaffold2511	NW_004517439.1	62086	AA	GG	GG	INTERGENIC		
SNP_72886B_62163	scaffold2511	NW_004517439.1	62163	TT	AA	AA	INTERGENIC		
SNP_72887B_62276	scaffold2511	NW_004517439.1	62276	TT	AA	AA	INTERGENIC		
SNP_72888B_62523	scaffold2511	NW_004517439.1	62523	TT	CC	CC	INTERGENIC		
SNP_72889B_64315	scaffold2511	NW_004517439.1	64315	TT	AA	AA	INTERGENIC		
SNP_72890B_64503	scaffold2511	NW_004517439.1	64503	TT	CC	CC	INTERGENIC		
SNP_72891B_65629	scaffold2511	NW_004517439.1	65629	TT	AA	AA	INTERGENIC		
SNP_72892B_66183	scaffold2511	NW_004517439.1	66183	AA	TT	TT	INTERGENIC		
SNP_72893B_66384	scaffold2511	NW_004517439.1	66384	AA	CC	CC	INTERGENIC		
SNP_72894B_424	scaffold2512	NW_004517440.1	424	TT	AA	AA	INTERGENIC		
SNP_72895B_445	scaffold2512	NW_004517440.1	445	AA	TT	TT	INTERGENIC		
SNP_72896B_448	scaffold2512	NW_004517440.1	448	AA	GG	GG	INTERGENIC		
SNP_72897B_474	scaffold2512	NW_004517440.1	474	TT	AA	AA	INTERGENIC		
SNP_72898B_753	scaffold2512	NW_004517440.1	753	GG	TT	TT	INTERGENIC		
SNP_72899B_87284	scaffold2516	NW_004517442.1	87284	GG	AA	AA	INTERGENIC		
SNP_72900B_87302	scaffold2516	NW_004517442.1	87302	TT	CC	CC	INTERGENIC		
SNP_72901B_87319	scaffold2516	NW_004517442.1	87319	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72902B_87347	scaffold2516	NW_004517442.1	87347	TT	CC	CC	INTERGENIC		
SNP_72903B_87353	scaffold2516	NW_004517442.1	87353	TT	CC	CC	INTERGENIC		
SNP_72904B_87792	scaffold2516	NW_004517442.1	87792	TT	CC	CC	INTERGENIC		
SNP_72905B_98276	scaffold2516	NW_004517442.1	98276	TT	AA	AA	INTERGENIC		
SNP_72906B_31053	scaffold2521	NW_004517446.1	31053	GG	AA	AA	INTERGENIC		
SNP_72907B_56794	scaffold2521	NW_004517446.1	56794	TT	CC	CC	INTERGENIC		
SNP_72908B_22679	scaffold2522	NW_004517447.1	22679	GG	TT	TT	INTERGENIC		
SNP_72910B_5161	scaffold2528	NW_004517452.1	5161	TT	CC	CC	INTERGENIC		
SNP_72911B_13125	scaffold2528	NW_004517452.1	13125	AA	TT	TT	INTERGENIC		
SNP_72912B_13211	scaffold2528	NW_004517452.1	13211	AA	CC	CC	INTERGENIC		
SNP_72913B_13270	scaffold2528	NW_004517452.1	13270	TT	AA	AA	INTERGENIC		
SNP_72914B_19221	scaffold2528	NW_004517452.1	19221	TT	GG	GG	INTERGENIC		
SNP_72915B_19236	scaffold2528	NW_004517452.1	19236	AA	GG	GG	INTERGENIC		
SNP_72916B_19307	scaffold2528	NW_004517452.1	19307	CC	TT	TT	INTERGENIC		
SNP_72917B_19335	scaffold2528	NW_004517452.1	19335	CC	GG	GG	INTERGENIC		
SNP_72918B_19411	scaffold2528	NW_004517452.1	19411	TT	CC	CC	INTERGENIC		
SNP_72919B_19477	scaffold2528	NW_004517452.1	19477	GG	AA	AA	INTERGENIC		
SNP_72921B_19566	scaffold2528	NW_004517452.1	19566	GG	AA	AA	INTERGENIC		
SNP_72922B_19710	scaffold2528	NW_004517452.1	19710	AA	CC	CC	INTERGENIC		
SNP_72923B_19711	scaffold2528	NW_004517452.1	19711	TT	AA	AA	INTERGENIC		
SNP_72924B_19898	scaffold2528	NW_004517452.1	19898	AA	GG	GG	INTERGENIC		
SNP_72925B_19903	scaffold2528	NW_004517452.1	19903	GG	AA	AA	INTERGENIC		
SNP_72926B_19932	scaffold2528	NW_004517452.1	19932	TT	GG	GG	INTERGENIC		
SNP_72927B_19946	scaffold2528	NW_004517452.1	19946	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72928B_25409	scaffold2534	NW_004517456.1	25409	AA	GG	GG	URR	101496316	uncharacterized LOC101496316
SNP_72930B_27983	scaffold2534	NW_004517456.1	27983	TT	AA	AA	INTERGENIC		
SNP_72931B_27999	scaffold2534	NW_004517456.1	27999	AA	TT	TT	INTERGENIC		
SNP_72932B_28008	scaffold2534	NW_004517456.1	28008	TT	CC	CC	INTERGENIC		
SNP_72933B_28104	scaffold2534	NW_004517456.1	28104	TT	CC	CC	INTERGENIC		
SNP_72934B_28147	scaffold2534	NW_004517456.1	28147	CC	GG	GG	INTERGENIC		
SNP_72935B_28150	scaffold2534	NW_004517456.1	28150	AA	GG	GG	INTERGENIC		
SNP_72936B_28188	scaffold2534	NW_004517456.1	28188	TT	CC	CC	INTERGENIC		
SNP_72937B_46163	scaffold2534	NW_004517456.1	46163	CC	TT	TT	INTERGENIC		
SNP_72938B_46192	scaffold2534	NW_004517456.1	46192	CC	TT	TT	INTERGENIC		
SNP_72939B_46202	scaffold2534	NW_004517456.1	46202	AA	GG	GG	INTERGENIC		
SNP_72940B_46228	scaffold2534	NW_004517456.1	46228	TT	CC	CC	INTERGENIC		
SNP_72941B_46245	scaffold2534	NW_004517456.1	46245	AA	TT	TT	INTERGENIC		
SNP_72942B_46319	scaffold2534	NW_004517456.1	46319	CC	AA	AA	INTERGENIC		
SNP_72943B_63511	scaffold2534	NW_004517456.1	63511	CC	TT	TT	INTERGENIC		
SNP_72944B_19714	scaffold2535	NW_004517457.1	19714	AA	TT	TT	INTERGENIC		
SNP_72945B_20028	scaffold2535	NW_004517457.1	20028	AA	GG	GG	INTERGENIC		
SNP_72946B_27874	scaffold2535	NW_004517457.1	27874	AA	CC	CC	INTERGENIC		
SNP_72947B_27929	scaffold2535	NW_004517457.1	27929	GG	AA	AA	INTERGENIC		
SNP_72948B_27942	scaffold2535	NW_004517457.1	27942	TT	GG	GG	INTERGENIC		
SNP_72949B_30176	scaffold2535	NW_004517457.1	30176	AA	CC	CC	INTERGENIC		
SNP_72950B_30648	scaffold2535	NW_004517457.1	30648	TT	CC	CC	INTERGENIC		
SNP_72951B_1993	scaffold2542	NW_004517461.1	1993	AA	GG	GG	INTERGENIC		
SNP_72952B_2201	scaffold2542	NW_004517461.1	2201	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72954B_2318	scaffold2542	NW_004517461.1	2318	TT	AA	AA	INTERGENIC		
SNP_72955B_2400	scaffold2542	NW_004517461.1	2400	CC	AA	AA	INTERGENIC		
SNP_72956B_2686	scaffold2542	NW_004517461.1	2686	GG	AA	AA	INTERGENIC		
SNP_72957B_11389	scaffold2542	NW_004517461.1	11389	AA	GG	GG	INTERGENIC		
SNP_72958B_24155	scaffold2542	NW_004517461.1	24155	AA	GG	GG	INTERGENIC		
SNP_72959B_26189	scaffold2542	NW_004517461.1	26189	GG	AA	AA	INTERGENIC		
SNP_72960B_26434	scaffold2542	NW_004517461.1	26434	CC	TT	TT	INTERGENIC		
SNP_72961B_3703	scaffold2547	NW_004517464.1	3703	GG	CC	CC	INTERGENIC		
SNP_72962B_720	scaffold2548	NW_004517465.1	720	CC	GG	GG	INTERGENIC		
SNP_72963B_752	scaffold2548	NW_004517465.1	752	TT	GG	GG	INTERGENIC		
SNP_72964B_760	scaffold2548	NW_004517465.1	760	TT	CC	CC	INTERGENIC		
SNP_72965B_766	scaffold2548	NW_004517465.1	766	TT	CC	CC	INTERGENIC		
SNP_72966B_875	scaffold2548	NW_004517465.1	875	CC	TT	TT	INTERGENIC		
SNP_72967B_883	scaffold2548	NW_004517465.1	883	AA	TT	TT	INTERGENIC		
SNP_72968B_885	scaffold2548	NW_004517465.1	885	TT	GG	GG	INTERGENIC		
SNP_72969B_886	scaffold2548	NW_004517465.1	886	AA	GG	GG	INTERGENIC		
SNP_72970B_905	scaffold2548	NW_004517465.1	905	AA	GG	GG	INTERGENIC		
SNP_72971B_1063	scaffold2548	NW_004517465.1	1063	AA	TT	TT	INTERGENIC		
SNP_72972B_1172	scaffold2548	NW_004517465.1	1172	GG	TT	TT	INTERGENIC		
SNP_72973B_1349	scaffold2548	NW_004517465.1	1349	CC	TT	TT	INTERGENIC		
SNP_72974B_1357	scaffold2548	NW_004517465.1	1357	AA	TT	TT	INTERGENIC		
SNP_72975B_1396	scaffold2548	NW_004517465.1	1396	GG	AA	AA	INTERGENIC		
SNP_72976B_1401	scaffold2548	NW_004517465.1	1401	TT	AA	AA	INTERGENIC		
SNP_72977B_1402	scaffold2548	NW_004517465.1	1402	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_72978B_1431	scaffold2548	NW_004517465.1	1431	TT	AA	AA	INTERGENIC		
SNP_72979B_1434	scaffold2548	NW_004517465.1	1434	TT	CC	CC	INTERGENIC		
SNP_72980B_1442	scaffold2548	NW_004517465.1	1442	AA	TT	TT	INTERGENIC		
SNP_72981B_2515	scaffold2548	NW_004517465.1	2515	GG	TT	TT	INTERGENIC		
SNP_72982B_2521	scaffold2548	NW_004517465.1	2521	CC	TT	TT	INTERGENIC		
SNP_72983B_2526	scaffold2548	NW_004517465.1	2526	TT	CC	CC	INTERGENIC		
SNP_72985B_2550	scaffold2548	NW_004517465.1	2550	CC	TT	TT	INTERGENIC		
SNP_72986B_3435	scaffold2555	NW_004517468.1	3435	CC	AA	AA	INTERGENIC		
SNP_72987B_3437	scaffold2555	NW_004517468.1	3437	AA	GG	GG	INTERGENIC		
SNP_72988B_3462	scaffold2555	NW_004517468.1	3462	CC	AA	AA	INTERGENIC		
SNP_72989B_3477	scaffold2555	NW_004517468.1	3477	TT	GG	GG	INTERGENIC		
SNP_72990B_3510	scaffold2555	NW_004517468.1	3510	AA	TT	TT	INTERGENIC		
SNP_72991B_16239	scaffold2555	NW_004517468.1	16239	TT	AA	AA	INTERGENIC		
SNP_72992B_18818	scaffold2555	NW_004517468.1	18818	TT	CC	CC	DRR	101496960	PLASMODESMATA CALLOSE-BINDING PROTEIN 3-like
SNP_72993B_19312	scaffold2555	NW_004517468.1	19312	CC	TT	TT	DRR	101496960	PLASMODESMATA CALLOSE-BINDING PROTEIN 3-like
SNP_72994B_19397	scaffold2555	NW_004517468.1	19397	CC	TT	TT	DRR	101496960	PLASMODESMATA CALLOSE-BINDING PROTEIN 3-like
SNP_72995B_21680	scaffold2555	NW_004517468.1	21680	AA	TT	TT	URR	101496960	PLASMODESMATA CALLOSE-BINDING PROTEIN 3-like
SNP_72996B_22005	scaffold2555	NW_004517468.1	22005	GG	TT	TT	URR	101496960	PLASMODESMATA CALLOSE-BINDING PROTEIN 3-like
SNP_72997B_24097	scaffold2555	NW_004517468.1	24097	TT	CC	CC	INTERGENIC		
SNP_72998B_30439	scaffold2555	NW_004517468.1	30439	AA	GG	GG	INTERGENIC		
SNP_72999B_1006	scaffold2556	NW_004517469.1	1006	TT	AA	AA	INTERGENIC		
SNP_73000B_2286	scaffold2557	NW_004517470.1	2286	TT	AA	AA	INTERGENIC		
SNP_73001B_9130	scaffold2557	NW_004517470.1	9130	AA	CC	CC	INTERGENIC		
SNP_73002B_9152	scaffold2557	NW_004517470.1	9152	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_73003B_12348	scaffold2557	NW_004517470.1	12348	AA	GG	GG	INTERGENIC		
SNP_73004B_12797	scaffold2557	NW_004517470.1	12797	AA	CC	CC	INTERGENIC		
SNP_73005B_14726	scaffold2557	NW_004517470.1	14726	TT	AA	AA	INTERGENIC		
SNP_73006B_14998	scaffold2557	NW_004517470.1	14998	TT	CC	CC	INTERGENIC		
SNP_73007B_27299	scaffold2557	NW_004517470.1	27299	AA	CC	CC	INTERGENIC		
SNP_73008B_47643	scaffold2557	NW_004517470.1	47643	TT	GG	GG	INTERGENIC		
SNP_73009B_47656	scaffold2557	NW_004517470.1	47656	AA	CC	CC	INTERGENIC		
SNP_73010B_47682	scaffold2557	NW_004517470.1	47682	CC	AA	AA	INTERGENIC		
SNP_73011B_47752	scaffold2557	NW_004517470.1	47752	AA	TT	TT	INTERGENIC		
SNP_73013B_49995	scaffold2557	NW_004517470.1	49995	AA	GG	GG	INTERGENIC		
SNP_73014B_50037	scaffold2557	NW_004517470.1	50037	AA	CC	CC	INTERGENIC		
SNP_73015B_50047	scaffold2557	NW_004517470.1	50047	AA	GG	GG	INTERGENIC		
SNP_73016B_50060	scaffold2557	NW_004517470.1	50060	GG	AA	AA	INTERGENIC		
SNP_73017B_50074	scaffold2557	NW_004517470.1	50074	AA	GG	GG	INTERGENIC		
SNP_73018B_50086	scaffold2557	NW_004517470.1	50086	TT	CC	CC	INTERGENIC		
SNP_73019B_50305	scaffold2557	NW_004517470.1	50305	AA	TT	TT	INTERGENIC		
SNP_73020B_50326	scaffold2557	NW_004517470.1	50326	GG	AA	AA	INTERGENIC		
SNP_73021B_51731	scaffold2557	NW_004517470.1	51731	AA	GG	GG	INTERGENIC		
SNP_73022B_51753	scaffold2557	NW_004517470.1	51753	AA	TT	TT	INTERGENIC		
SNP_73023B_56380	scaffold2557	NW_004517470.1	56380	AA	CC	CC	INTERGENIC		
SNP_73024B_56406	scaffold2557	NW_004517470.1	56406	CC	TT	TT	INTERGENIC		
SNP_73025B_56728	scaffold2557	NW_004517470.1	56728	AA	GG	GG	INTERGENIC		
SNP_73026B_61484	scaffold2557	NW_004517470.1	61484	CC	TT	TT	INTERGENIC		
SNP_73027B_61494	scaffold2557	NW_004517470.1	61494	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_73028B_61504	scaffold2557	NW_004517470.1	61504	TT	AA	AA	INTERGENIC		
SNP_73029B_61506	scaffold2557	NW_004517470.1	61506	TT	CC	CC	INTERGENIC		
SNP_73030B_61569	scaffold2557	NW_004517470.1	61569	TT	CC	CC	INTERGENIC		
SNP_73031B_61570	scaffold2557	NW_004517470.1	61570	GG	AA	AA	INTERGENIC		
SNP_73032B_61585	scaffold2557	NW_004517470.1	61585	AA	GG	GG	INTERGENIC		
SNP_73033B_61612	scaffold2557	NW_004517470.1	61612	TT	GG	GG	INTERGENIC		
SNP_73034B_61632	scaffold2557	NW_004517470.1	61632	CC	TT	TT	INTERGENIC		
SNP_73035B_61833	scaffold2557	NW_004517470.1	61833	CC	GG	GG	INTERGENIC		
SNP_73036B_61882	scaffold2557	NW_004517470.1	61882	TT	CC	CC	INTERGENIC		
SNP_73038B_62962	scaffold2557	NW_004517470.1	62962	TT	GG	GG	DRR	101498495	folylpolyglutamate synthase-like
SNP_73039B_79588	scaffold2557	NW_004517470.1	79588	TT	CC	CC	DRR	101498842	pectinesterase-like
SNP_73041B_86363	scaffold2557	NW_004517470.1	86363	AA	CC	CC	INTERGENIC		
SNP_73042B_172007	scaffold2557	NW_004517470.1	172007	GG	AA	AA	INTERGENIC		
SNP_73043B_172010	scaffold2557	NW_004517470.1	172010	AA	GG	GG	INTERGENIC		
SNP_73044B_172061	scaffold2557	NW_004517470.1	172061	AA	GG	GG	INTERGENIC		
SNP_73045B_172079	scaffold2557	NW_004517470.1	172079	CC	TT	TT	INTERGENIC		
SNP_73046B_172086	scaffold2557	NW_004517470.1	172086	AA	GG	GG	INTERGENIC		
SNP_73047B_172132	scaffold2557	NW_004517470.1	172132	TT	GG	GG	INTERGENIC		
SNP_73048B_6328	scaffold2558	NW_004517471.1	6328	CC	TT	TT	INTERGENIC		
SNP_73049B_27913	scaffold2558	NW_004517471.1	27913	CC	AA	AA	INTERGENIC		
SNP_73050B_19867	scaffold2560	NW_004517473.1	19867	TT	CC	CC	INTERGENIC		
SNP_73051B_60091	scaffold2560	NW_004517473.1	60091	GG	AA	AA	INTERGENIC		
SNP_73052B_60165	scaffold2560	NW_004517473.1	60165	CC	TT	TT	INTERGENIC		
SNP_73054B_60728	scaffold2560	NW_004517473.1	60728	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_73055B_61151	scaffold2560	NW_004517473.1	61151	AA	CC	CC	INTERGENIC		
SNP_73057B_61291	scaffold2560	NW_004517473.1	61291	TT	GG	GG	INTERGENIC		
SNP_73058B_61608	scaffold2560	NW_004517473.1	61608	AA	GG	GG	INTERGENIC		
SNP_73059B_61703	scaffold2560	NW_004517473.1	61703	CC	AA	AA	INTERGENIC		
SNP_73060B_61776	scaffold2560	NW_004517473.1	61776	AA	TT	TT	INTERGENIC		
SNP_73061B_61788	scaffold2560	NW_004517473.1	61788	AA	GG	GG	INTERGENIC		
SNP_73062B_61851	scaffold2560	NW_004517473.1	61851	CC	GG	GG	INTERGENIC		
SNP_73063B_62075	scaffold2560	NW_004517473.1	62075	AA	GG	GG	INTERGENIC		
SNP_73064B_62329	scaffold2560	NW_004517473.1	62329	GG	CC	CC	INTERGENIC		
SNP_73065B_63522	scaffold2560	NW_004517473.1	63522	AA	CC	CC	INTERGENIC		
SNP_73066B_28477	scaffold2564	NW_004517476.1	28477	GG	CC	CC	INTERGENIC		
SNP_73067B_28485	scaffold2564	NW_004517476.1	28485	AA	TT	TT	INTERGENIC		
SNP_73068B_28701	scaffold2564	NW_004517476.1	28701	GG	AA	AA	INTERGENIC		
SNP_73069B_28725	scaffold2564	NW_004517476.1	28725	TT	GG	GG	INTERGENIC		
SNP_73070B_29316	scaffold2564	NW_004517476.1	29316	GG	TT	TT	INTERGENIC		
SNP_73071B_450	scaffold2568	NW_004517479.1	450	GG	AA	AA	INTERGENIC		
SNP_73072B_804	scaffold2568	NW_004517479.1	804	CC	TT	TT	INTERGENIC		
SNP_73073B_22143	scaffold2569	NW_004517480.1	22143	GG	AA	AA	INTERGENIC		
SNP_73074B_22283	scaffold2569	NW_004517480.1	22283	AA	CC	CC	INTERGENIC		
SNP_73075B_22419	scaffold2569	NW_004517480.1	22419	TT	CC	CC	INTERGENIC		
SNP_73076B_22438	scaffold2569	NW_004517480.1	22438	AA	CC	CC	INTERGENIC		
SNP_73077B_22536	scaffold2569	NW_004517480.1	22536	TT	CC	CC	INTERGENIC		
SNP_73078B_23276	scaffold2569	NW_004517480.1	23276	TT	AA	AA	INTERGENIC		
SNP_73079B_23279	scaffold2569	NW_004517480.1	23279	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_73080B_23299	scaffold2569	NW_004517480.1	23299	GG	AA	AA	INTERGENIC		
SNP_73081B_959	scaffold2571	NW_004517482.1	959	TT	AA	AA	INTERGENIC		
SNP_73082B_5042	scaffold2574	NW_004517485.1	5042	TT	CC	CC	INTERGENIC		
SNP_73083B_5414	scaffold2574	NW_004517485.1	5414	CC	TT	TT	INTERGENIC		
SNP_73084B_15397	scaffold2574	NW_004517485.1	15397	GG	CC	CC	INTERGENIC		
SNP_73085B_46333	scaffold2574	NW_004517485.1	46333	CC	TT	TT	INTERGENIC		
SNP_73086B_51355	scaffold2574	NW_004517485.1	51355	GG	AA	AA	URR	101503616	Unknown function
SNP_73087B_80439	scaffold2575	NW_004517486.1	80439	GG	AA	AA	INTERGENIC		
SNP_73088B_114526	scaffold2575	NW_004517486.1	114526	AA	TT	TT	INTERGENIC		
SNP_73089B_114530	scaffold2575	NW_004517486.1	114530	AA	CC	CC	INTERGENIC		
SNP_73090B_131882	scaffold2575	NW_004517486.1	131882	CC	GG	GG	URR	101508034	LOB domain-containing protein 41-like
SNP_73091B_193391	scaffold2575	NW_004517486.1	193391	AA	GG	GG	INTERGENIC		
SNP_73092B_193518	scaffold2575	NW_004517486.1	193518	TT	GG	GG	INTERGENIC		
SNP_73093B_193529	scaffold2575	NW_004517486.1	193529	TT	CC	CC	INTERGENIC		
SNP_73094B_193532	scaffold2575	NW_004517486.1	193532	GG	TT	TT	INTERGENIC		
SNP_73095B_193677	scaffold2575	NW_004517486.1	193677	AA	GG	GG	INTERGENIC		
SNP_73096B_195813	scaffold2575	NW_004517486.1	195813	TT	CC	CC	INTERGENIC		
SNP_73097B_195914	scaffold2575	NW_004517486.1	195914	TT	CC	CC	INTERGENIC		
SNP_73098B_195944	scaffold2575	NW_004517486.1	195944	TT	GG	GG	INTERGENIC		
SNP_73099B_195961	scaffold2575	NW_004517486.1	195961	CC	TT	TT	INTERGENIC		
SNP_73101B_196160	scaffold2575	NW_004517486.1	196160	AA	GG	GG	INTERGENIC		
SNP_73102B_197208	scaffold2575	NW_004517486.1	197208	CC	TT	TT	INTERGENIC		
SNP_73103B_197209	scaffold2575	NW_004517486.1	197209	AA	GG	GG	INTERGENIC		
SNP_73105B_208726	scaffold2575	NW_004517486.1	208726	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_73106B_208941	scaffold2575	NW_004517486.1	208941	TT	GG	GG	INTERGENIC		
SNP_73107B_219843	scaffold2575	NW_004517486.1	219843	AA	GG	GG	INTERGENIC		
SNP_73108B_231514	scaffold2575	NW_004517486.1	231514	GG	CC	CC	INTRON	101510258	O-acyltransferase WSD1-like
SNP_73109B_247722	scaffold2575	NW_004517486.1	247722	AA	TT	TT	INTERGENIC		
SNP_73111B_269310	scaffold2575	NW_004517486.1	269310	GG	TT	TT	INTERGENIC		
SNP_73112B_271195	scaffold2575	NW_004517486.1	271195	GG	AA	AA	INTERGENIC		
SNP_73113B_271206	scaffold2575	NW_004517486.1	271206	GG	AA	AA	INTERGENIC		
SNP_73114B_271237	scaffold2575	NW_004517486.1	271237	TT	CC	CC	INTERGENIC		
SNP_73116B_271276	scaffold2575	NW_004517486.1	271276	TT	CC	CC	INTERGENIC		
SNP_73117B_271390	scaffold2575	NW_004517486.1	271390	TT	GG	GG	INTERGENIC		
SNP_73118B_271464	scaffold2575	NW_004517486.1	271464	TT	GG	GG	INTERGENIC		
SNP_73119B_271682	scaffold2575	NW_004517486.1	271682	TT	CC	CC	INTERGENIC		
SNP_73120B_271709	scaffold2575	NW_004517486.1	271709	TT	CC	CC	INTERGENIC		
SNP_73121B_271724	scaffold2575	NW_004517486.1	271724	TT	AA	AA	INTERGENIC		
SNP_73122B_271727	scaffold2575	NW_004517486.1	271727	TT	CC	CC	INTERGENIC		
SNP_73123B_278436	scaffold2575	NW_004517486.1	278436	CC	TT	TT	INTERGENIC		
SNP_73124B_278441	scaffold2575	NW_004517486.1	278441	TT	CC	CC	INTERGENIC		
SNP_73125B_278551	scaffold2575	NW_004517486.1	278551	CC	AA	AA	INTERGENIC		
SNP_73126B_278561	scaffold2575	NW_004517486.1	278561	TT	CC	CC	INTERGENIC		
SNP_73127B_278565	scaffold2575	NW_004517486.1	278565	CC	AA	AA	INTERGENIC		
SNP_73128B_278590	scaffold2575	NW_004517486.1	278590	AA	TT	TT	INTERGENIC		
SNP_73129B_278605	scaffold2575	NW_004517486.1	278605	GG	AA	AA	INTERGENIC		
SNP_73130B_278673	scaffold2575	NW_004517486.1	278673	AA	TT	TT	INTERGENIC		
SNP_73131B_278685	scaffold2575	NW_004517486.1	278685	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_73132B_278725	scaffold2575	NW_004517486.1	278725	TT	AA	AA	INTERGENIC		
SNP_73133B_278783	scaffold2575	NW_004517486.1	278783	TT	CC	CC	INTERGENIC		
SNP_73134B_278787	scaffold2575	NW_004517486.1	278787	AA	CC	CC	INTERGENIC		
SNP_73135B_278827	scaffold2575	NW_004517486.1	278827	CC	TT	TT	INTERGENIC		
SNP_73136B_278869	scaffold2575	NW_004517486.1	278869	TT	CC	CC	INTERGENIC		
SNP_73137B_278916	scaffold2575	NW_004517486.1	278916	CC	AA	AA	INTERGENIC		
SNP_73138B_278945	scaffold2575	NW_004517486.1	278945	AA	TT	TT	INTERGENIC		
SNP_73139B_278962	scaffold2575	NW_004517486.1	278962	CC	AA	AA	INTERGENIC		
SNP_73140B_278966	scaffold2575	NW_004517486.1	278966	GG	AA	AA	INTERGENIC		
SNP_73141B_279026	scaffold2575	NW_004517486.1	279026	CC	AA	AA	INTERGENIC		
SNP_73142B_279029	scaffold2575	NW_004517486.1	279029	GG	TT	TT	INTERGENIC		
SNP_73143B_279043	scaffold2575	NW_004517486.1	279043	GG	AA	AA	INTERGENIC		
SNP_73144B_279110	scaffold2575	NW_004517486.1	279110	CC	TT	TT	INTERGENIC		
SNP_73145B_279130	scaffold2575	NW_004517486.1	279130	TT	CC	CC	INTERGENIC		
SNP_73146B_279153	scaffold2575	NW_004517486.1	279153	GG	TT	TT	INTERGENIC		
SNP_73147B_279191	scaffold2575	NW_004517486.1	279191	CC	TT	TT	INTERGENIC		
SNP_73148B_279240	scaffold2575	NW_004517486.1	279240	CC	AA	AA	INTERGENIC		
SNP_73149B_279281	scaffold2575	NW_004517486.1	279281	AA	GG	GG	INTERGENIC		
SNP_73151B_279374	scaffold2575	NW_004517486.1	279374	TT	GG	GG	INTERGENIC		
SNP_73152B_279381	scaffold2575	NW_004517486.1	279381	GG	AA	AA	INTERGENIC		
SNP_73153B_279388	scaffold2575	NW_004517486.1	279388	AA	GG	GG	INTERGENIC		
SNP_73154B_279409	scaffold2575	NW_004517486.1	279409	GG	AA	AA	INTERGENIC		
SNP_73155B_279483	scaffold2575	NW_004517486.1	279483	GG	CC	CC	INTERGENIC		
SNP_73156B_279710	scaffold2575	NW_004517486.1	279710	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_73157B_279731	scaffold2575	NW_004517486.1	279731	AA	CC	CC	INTERGENIC		
SNP_73158B_279836	scaffold2575	NW_004517486.1	279836	TT	AA	AA	INTERGENIC		
SNP_73160B_280089	scaffold2575	NW_004517486.1	280089	CC	TT	TT	INTERGENIC		
SNP_73161B_280120	scaffold2575	NW_004517486.1	280120	CC	TT	TT	INTERGENIC		
SNP_73162B_280143	scaffold2575	NW_004517486.1	280143	TT	CC	CC	INTERGENIC		
SNP_73163B_280165	scaffold2575	NW_004517486.1	280165	TT	CC	CC	INTERGENIC		
SNP_73164B_280166	scaffold2575	NW_004517486.1	280166	TT	CC	CC	INTERGENIC		
SNP_73165B_280167	scaffold2575	NW_004517486.1	280167	GG	AA	AA	INTERGENIC		
SNP_73166B_280221	scaffold2575	NW_004517486.1	280221	GG	CC	CC	INTERGENIC		
SNP_73167B_280224	scaffold2575	NW_004517486.1	280224	TT	CC	CC	INTERGENIC		
SNP_73168B_280284	scaffold2575	NW_004517486.1	280284	CC	TT	TT	INTERGENIC		
SNP_73169B_280317	scaffold2575	NW_004517486.1	280317	TT	CC	CC	INTERGENIC		
SNP_73170B_280358	scaffold2575	NW_004517486.1	280358	AA	CC	CC	INTERGENIC		
SNP_73171B_280413	scaffold2575	NW_004517486.1	280413	TT	CC	CC	INTERGENIC		
SNP_73172B_280425	scaffold2575	NW_004517486.1	280425	CC	AA	AA	INTERGENIC		
SNP_73173B_280432	scaffold2575	NW_004517486.1	280432	CC	TT	TT	INTERGENIC		
SNP_73174B_280467	scaffold2575	NW_004517486.1	280467	GG	AA	AA	INTERGENIC		
SNP_73175B_280562	scaffold2575	NW_004517486.1	280562	CC	GG	GG	INTERGENIC		
SNP_73176B_280587	scaffold2575	NW_004517486.1	280587	CC	TT	TT	INTERGENIC		
SNP_73177B_280626	scaffold2575	NW_004517486.1	280626	GG	AA	AA	INTERGENIC		
SNP_73178B_280639	scaffold2575	NW_004517486.1	280639	TT	CC	CC	INTERGENIC		
SNP_73179B_280646	scaffold2575	NW_004517486.1	280646	AA	TT	TT	INTERGENIC		
SNP_73180B_281667	scaffold2575	NW_004517486.1	281667	TT	AA	AA	INTERGENIC		
SNP_73181B_281679	scaffold2575	NW_004517486.1	281679	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_73182B_281978	scaffold2575	NW_004517486.1	281978	AA	TT	TT	INTERGENIC		
SNP_73183B_282275	scaffold2575	NW_004517486.1	282275	TT	GG	GG	INTERGENIC		
SNP_73184B_282294	scaffold2575	NW_004517486.1	282294	AA	CC	CC	INTERGENIC		
SNP_73185B_2784	scaffold2583	NW_004517491.1	2784	GG	CC	CC	INTERGENIC		
SNP_73187B_35124	scaffold2587	NW_004517495.1	35124	TT	CC	CC	INTERGENIC		
SNP_73188B_1662	scaffold2591	NW_004517496.1	1662	TT	AA	AA	INTERGENIC		
SNP_73189B_1883	scaffold2591	NW_004517496.1	1883	CC	GG	GG	INTERGENIC		
SNP_73190B_2091	scaffold2591	NW_004517496.1	2091	CC	TT	TT	INTERGENIC		
SNP_73191B_2105	scaffold2591	NW_004517496.1	2105	AA	GG	GG	INTERGENIC		
SNP_73192B_2194	scaffold2591	NW_004517496.1	2194	AA	CC	CC	INTERGENIC		
SNP_73193B_2462	scaffold2591	NW_004517496.1	2462	TT	AA	AA	INTERGENIC		
SNP_73195B_1937	scaffold2598	NW_004517501.1	1937	GG	TT	TT	INTERGENIC		
SNP_73196B_2226	scaffold2598	NW_004517501.1	2226	AA	GG	GG	INTERGENIC		
SNP_73197B_4724	scaffold2598	NW_004517501.1	4724	CC	TT	TT	INTERGENIC		
SNP_73198B_8681	scaffold2598	NW_004517501.1	8681	CC	TT	TT	INTERGENIC		
SNP_73199B_8826	scaffold2598	NW_004517501.1	8826	CC	GG	GG	INTERGENIC		
SNP_73200B_9208	scaffold2598	NW_004517501.1	9208	CC	AA	AA	INTERGENIC		
SNP_73201B_6316	scaffold2599	NW_004517502.1	6316	TT	CC	CC	INTERGENIC		
SNP_73202B_19033	scaffold2599	NW_004517502.1	19033	AA	TT	TT	INTERGENIC		
SNP_73203B_2217	scaffold2600	NW_004517503.1	2217	AA	GG	GG	INTERGENIC		
SNP_73204B_2218	scaffold2600	NW_004517503.1	2218	AA	TT	TT	INTERGENIC		
SNP_73205B_9478	scaffold2600	NW_004517503.1	9478	TT	CC	CC	INTERGENIC		
SNP_73206B_6254	scaffold2603	NW_004517506.1	6254	AA	TT	TT	INTERGENIC		
SNP_73207B_6269	scaffold2603	NW_004517506.1	6269	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_73210B_6607	scaffold2603	NW_004517506.1	6607	CC	TT	TT	INTERGENIC		
SNP_73211B_6855	scaffold2603	NW_004517506.1	6855	CC	AA	AA	INTERGENIC		
SNP_73212B_6909	scaffold2603	NW_004517506.1	6909	AA	TT	TT	INTERGENIC		
SNP_73213B_41131	scaffold2603	NW_004517506.1	41131	GG	AA	AA	INTERGENIC		
SNP_73214B_50793	scaffold2603	NW_004517506.1	50793	AA	TT	TT	INTERGENIC		
SNP_73215B_57803	scaffold2603	NW_004517506.1	57803	TT	AA	AA	NON_SYNONYMOUS_CODING	101515759	Unknown function
SNP_73216B_57813	scaffold2603	NW_004517506.1	57813	TT	CC	CC	NON_SYNONYMOUS_CODING	101515759	Unknown function
SNP_73217B_58179	scaffold2603	NW_004517506.1	58179	CC	TT	TT	NON_SYNONYMOUS_CODING	101515759	Unknown function
SNP_73218B_67352	scaffold2603	NW_004517506.1	67352	TT	CC	CC	INTRON	101515759	Unknown function
SNP_73220B_67475	scaffold2603	NW_004517506.1	67475	AA	TT	TT	INTRON	101515759	Unknown function
SNP_73221B_67491	scaffold2603	NW_004517506.1	67491	AA	TT	TT	INTRON	101515759	Unknown function
SNP_73222B_67573	scaffold2603	NW_004517506.1	67573	CC	TT	TT	INTRON	101515759	Unknown function
SNP_73223B_67642	scaffold2603	NW_004517506.1	67642	TT	AA	AA	SYNONYMOUS_CODING	101515759	Unknown function
SNP_73224B_67652	scaffold2603	NW_004517506.1	67652	GG	AA	AA	NON_SYNONYMOUS_CODING	101515759	Unknown function
SNP_73225B_67654	scaffold2603	NW_004517506.1	67654	CC	TT	TT	SYNONYMOUS_CODING	101515759	Unknown function
SNP_73226B_67677	scaffold2603	NW_004517506.1	67677	TT	CC	CC	NON_SYNONYMOUS_CODING	101515759	Unknown function
SNP_73227B_67716	scaffold2603	NW_004517506.1	67716	GG	CC	CC	NON_SYNONYMOUS_CODING	101515759	Unknown function
SNP_73228B_67741	scaffold2603	NW_004517506.1	67741	AA	CC	CC	NON_SYNONYMOUS_CODING	101515759	Unknown function
SNP_73229B_67793	scaffold2603	NW_004517506.1	67793	GG	AA	AA	NON_SYNONYMOUS_CODING	101515759	Unknown function
SNP_73230B_67828	scaffold2603	NW_004517506.1	67828	AA	GG	GG	URR	101515759	Unknown function
SNP_73231B_67851	scaffold2603	NW_004517506.1	67851	TT	AA	AA	URR	101515759	Unknown function
SNP_73232B_67858	scaffold2603	NW_004517506.1	67858	TT	CC	CC	URR	101515759	Unknown function
SNP_73233B_67860	scaffold2603	NW_004517506.1	67860	AA	GG	GG	URR	101515759	Unknown function
SNP_73234B_67870	scaffold2603	NW_004517506.1	67870	AA	GG	GG	URR	101515759	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_73235B_67889	scaffold2603	NW_004517506.1	67889	TT	AA	AA	URR	101515759	Unknown function
SNP_73236B_4357	scaffold2604	NW_004517507.1	4357	GG	CC	CC	INTERGENIC		
SNP_73237B_1192	scaffold2606	NW_004517509.1	1192	CC	TT	TT	INTERGENIC		
SNP_73238B_1240	scaffold2606	NW_004517509.1	1240	GG	CC	CC	INTERGENIC		
SNP_73239B_1408	scaffold2606	NW_004517509.1	1408	TT	CC	CC	INTERGENIC		
SNP_73240B_1449	scaffold2606	NW_004517509.1	1449	TT	GG	GG	INTERGENIC		
SNP_73241B_4201	scaffold2606	NW_004517509.1	4201	CC	TT	TT	INTERGENIC		
SNP_73242B_4329	scaffold2606	NW_004517509.1	4329	CC	TT	TT	INTERGENIC		
SNP_73243B_28753	scaffold2606	NW_004517509.1	28753	TT	CC	CC	INTERGENIC		
SNP_73244B_28777	scaffold2606	NW_004517509.1	28777	AA	GG	GG	INTERGENIC		
SNP_73245B_28821	scaffold2606	NW_004517509.1	28821	TT	CC	CC	INTERGENIC		
SNP_73246B_465	scaffold2607	NW_004517510.1	465	AA	GG	GG	INTERGENIC		
SNP_73247B_483	scaffold2607	NW_004517510.1	483	TT	AA	AA	INTERGENIC		
SNP_73248B_1009	scaffold2607	NW_004517510.1	1009	AA	TT	TT	INTERGENIC		
SNP_73249B_1374	scaffold2607	NW_004517510.1	1374	GG	TT	TT	INTERGENIC		
SNP_73250B_5886	scaffold2612	NW_004517514.1	5886	AA	GG	GG	NON_SYNONYMOUS_CODING	101488519	iron-regulated transcriptional activator AFT2-like
SNP_73251B_5944	scaffold2612	NW_004517514.1	5944	CC	TT	TT	NON_SYNONYMOUS_CODING	101488519	iron-regulated transcriptional activator AFT2-like
SNP_73252B_5981	scaffold2612	NW_004517514.1	5981	CC	TT	TT	SYNONYMOUS_CODING	101488519	iron-regulated transcriptional activator AFT2-like
SNP_73253B_6091	scaffold2612	NW_004517514.1	6091	TT	AA	AA	NON_SYNONYMOUS_CODING	101488519	iron-regulated transcriptional activator AFT2-like
SNP_73254B_6165	scaffold2612	NW_004517514.1	6165	TT	AA	AA	NON_SYNONYMOUS_CODING	101488519	iron-regulated transcriptional activator AFT2-like
SNP_73255B_6531	scaffold2612	NW_004517514.1	6531	CC	TT	TT	URR	101488519	iron-regulated transcriptional activator AFT2-like
SNP_73256B_15841	scaffold2617	NW_004517519.1	15841	AA	GG	GG	INTERGENIC		
SNP_73257B_29541	scaffold2617	NW_004517519.1	29541	AA	TT	TT	INTERGENIC		
SNP_73258B_29742	scaffold2617	NW_004517519.1	29742	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_73259B_29771	scaffold2617	NW_004517519.1	29771	CC	AA	AA	INTERGENIC		
SNP_73260B_29780	scaffold2617	NW_004517519.1	29780	CC	GG	GG	INTERGENIC		
SNP_73261B_30029	scaffold2617	NW_004517519.1	30029	GG	AA	AA	INTERGENIC		
SNP_73262B_30035	scaffold2617	NW_004517519.1	30035	GG	AA	AA	INTERGENIC		
SNP_73263B_31408	scaffold2617	NW_004517519.1	31408	AA	CC	CC	INTERGENIC		
SNP_73264B_31547	scaffold2617	NW_004517519.1	31547	CC	TT	TT	INTERGENIC		
SNP_73265B_31608	scaffold2617	NW_004517519.1	31608	TT	CC	CC	INTERGENIC		
SNP_73266B_31610	scaffold2617	NW_004517519.1	31610	TT	CC	CC	INTERGENIC		
SNP_73267B_31726	scaffold2617	NW_004517519.1	31726	GG	AA	AA	INTERGENIC		
SNP_73268B_37380	scaffold2617	NW_004517519.1	37380	GG	AA	AA	INTERGENIC		
SNP_73269B_83710	scaffold2617	NW_004517519.1	83710	AA	GG	GG	INTERGENIC		
SNP_73270B_110076	scaffold2617	NW_004517519.1	110076	GG	TT	TT	INTERGENIC		
SNP_73271B_110173	scaffold2617	NW_004517519.1	110173	AA	CC	CC	INTERGENIC		
SNP_73272B_110443	scaffold2617	NW_004517519.1	110443	TT	GG	GG	INTERGENIC		
SNP_73273B_110489	scaffold2617	NW_004517519.1	110489	AA	GG	GG	INTERGENIC		
SNP_73274B_110579	scaffold2617	NW_004517519.1	110579	TT	CC	CC	INTERGENIC		
SNP_73275B_111665	scaffold2617	NW_004517519.1	111665	AA	GG	GG	INTERGENIC		
SNP_73276B_111704	scaffold2617	NW_004517519.1	111704	AA	GG	GG	INTERGENIC		
SNP_73277B_111878	scaffold2617	NW_004517519.1	111878	TT	CC	CC	INTERGENIC		
SNP_73278B_111940	scaffold2617	NW_004517519.1	111940	TT	CC	CC	INTERGENIC		
SNP_73279B_112006	scaffold2617	NW_004517519.1	112006	TT	CC	CC	INTERGENIC		
SNP_73280B_112050	scaffold2617	NW_004517519.1	112050	AA	GG	GG	INTERGENIC		
SNP_73281B_112057	scaffold2617	NW_004517519.1	112057	CC	TT	TT	INTERGENIC		
SNP_73282B_112221	scaffold2617	NW_004517519.1	112221	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_73283B_112268	scaffold2617	NW_004517519.1	112268	CC	AA	AA	INTERGENIC		
SNP_73284B_112284	scaffold2617	NW_004517519.1	112284	GG	AA	TT	INTERGENIC		
SNP_73285B_112285	scaffold2617	NW_004517519.1	112285	TT	CC	CC	INTERGENIC		
SNP_73286B_112338	scaffold2617	NW_004517519.1	112338	TT	CC	CC	INTERGENIC		
SNP_73287B_112383	scaffold2617	NW_004517519.1	112383	GG	AA	AA	INTERGENIC		
SNP_73288B_277543	scaffold2617	NW_004517519.1	277543	AA	TT	TT	INTERGENIC		
SNP_73289B_320743	scaffold2617	NW_004517519.1	320743	GG	AA	AA	INTERGENIC		
SNP_73290B_320833	scaffold2617	NW_004517519.1	320833	GG	TT	TT	INTERGENIC		
SNP_73292B_321057	scaffold2617	NW_004517519.1	321057	GG	CC	CC	INTERGENIC		
SNP_73293B_321162	scaffold2617	NW_004517519.1	321162	GG	TT	TT	DRR	101497190	probable WRKY transcription factor 26
SNP_73294B_321247	scaffold2617	NW_004517519.1	321247	CC	AA	AA	DRR	101497190	probable WRKY transcription factor 26
SNP_73295B_321424	scaffold2617	NW_004517519.1	321424	TT	GG	GG	DRR	101497190	probable WRKY transcription factor 26
SNP_73297B_321773	scaffold2617	NW_004517519.1	321773	TT	CC	CC	DRR	101497190	probable WRKY transcription factor 26
SNP_73299B_321846	scaffold2617	NW_004517519.1	321846	AA	TT	TT	DRR	101497190	probable WRKY transcription factor 26
SNP_73300B_321848	scaffold2617	NW_004517519.1	321848	TT	AA	AA	DRR	101497190	probable WRKY transcription factor 26
SNP_73301B_322219	scaffold2617	NW_004517519.1	322219	TT	CC	CC	NON_SYNONYMOUS_CODING	101497190	probable WRKY transcription factor 26
SNP_73302B_322284	scaffold2617	NW_004517519.1	322284	CC	TT	TT	NON_SYNONYMOUS_CODING	101497190	probable WRKY transcription factor 26
SNP_73303B_322349	scaffold2617	NW_004517519.1	322349	TT	CC	CC	NON_SYNONYMOUS_CODING	101497190	probable WRKY transcription factor 26
SNP_73304B_322358	scaffold2617	NW_004517519.1	322358	GG	AA	AA	SYNONYMOUS_CODING	101497190	probable WRKY transcription factor 26
SNP_73305B_322392	scaffold2617	NW_004517519.1	322392	GG	AA	AA	NON_SYNONYMOUS_CODING	101497190	probable WRKY transcription factor 26
SNP_73306B_322401	scaffold2617	NW_004517519.1	322401	GG	TT	TT	NON_SYNONYMOUS_CODING	101497190	probable WRKY transcription factor 26
SNP_73307B_322430	scaffold2617	NW_004517519.1	322430	GG	AA	AA	SYNONYMOUS_CODING	101497190	probable WRKY transcription factor 26
SNP_73308B_322540	scaffold2617	NW_004517519.1	322540	CC	TT	TT	NON_SYNONYMOUS_CODING	101497190	probable WRKY transcription factor 26
SNP_73309B_322643	scaffold2617	NW_004517519.1	322643	GG	AA	AA	INTRON	101497190	probable WRKY transcription factor 26

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_73310B_322858	scaffold2617	NW_004517519.1	322858	AA	GG	GG	INTRON	101497190	probable WRKY transcription factor 26
SNP_73311B_322894	scaffold2617	NW_004517519.1	322894	TT	CC	CC	INTRON	101497190	probable WRKY transcription factor 26
SNP_73312B_322934	scaffold2617	NW_004517519.1	322934	CC	GG	GG	INTRON	101497190	probable WRKY transcription factor 26
SNP_73313B_322937	scaffold2617	NW_004517519.1	322937	AA	TT	TT	INTRON	101497190	probable WRKY transcription factor 26
SNP_73314B_322943	scaffold2617	NW_004517519.1	322943	CC	TT	TT	INTRON	101497190	probable WRKY transcription factor 26
SNP_73315B_322970	scaffold2617	NW_004517519.1	322970	TT	CC	CC	INTRON	101497190	probable WRKY transcription factor 26
SNP_73316B_323030	scaffold2617	NW_004517519.1	323030	AA	GG	GG	INTRON	101497190	probable WRKY transcription factor 26
SNP_73317B_323067	scaffold2617	NW_004517519.1	323067	GG	TT	TT	INTRON	101497190	probable WRKY transcription factor 26
SNP_73318B_323077	scaffold2617	NW_004517519.1	323077	AA	GG	GG	INTRON	101497190	probable WRKY transcription factor 26
SNP_73319B_323247	scaffold2617	NW_004517519.1	323247	GG	TT	TT	INTRON	101497190	probable WRKY transcription factor 26
SNP_73321B_324639	scaffold2617	NW_004517519.1	324639	GG	AA	AA	URR	101497190	probable WRKY transcription factor 26
SNP_73322B_324860	scaffold2617	NW_004517519.1	324860	AA	CC	CC	URR	101497190	probable WRKY transcription factor 26
SNP_73323B_339751	scaffold2617	NW_004517519.1	339751	AA	GG	GG	INTERGENIC		
SNP_73324B_339753	scaffold2617	NW_004517519.1	339753	GG	TT	TT	INTERGENIC		
SNP_73325B_371480	scaffold2617	NW_004517519.1	371480	TT	CC	CC	INTERGENIC		
SNP_73326B_402141	scaffold2617	NW_004517519.1	402141	CC	TT	TT	SYNONYMOUS_CODING	id218629	Unknown function
SNP_73327B_402214	scaffold2617	NW_004517519.1	402214	AA	GG	GG	NON_SYNONYMOUS_CODING	id218629	Unknown function
SNP_73328B_402425	scaffold2617	NW_004517519.1	402425	AA	TT	TT	NON_SYNONYMOUS_CODING	id218629	Unknown function
SNP_73331B_402545	scaffold2617	NW_004517519.1	402545	AA	TT	TT	URR	101491031	uncharacterized LOC101491031
SNP_73332B_402577	scaffold2617	NW_004517519.1	402577	GG	AA	AA	URR	101491031	uncharacterized LOC101491031
SNP_73334B_402702	scaffold2617	NW_004517519.1	402702	TT	CC	CC	URR	101491031	uncharacterized LOC101491031
SNP_73335B_402712	scaffold2617	NW_004517519.1	402712	GG	AA	AA	URR	101491031	uncharacterized LOC101491031
SNP_73337B_402796	scaffold2617	NW_004517519.1	402796	CC	TT	TT	URR	101491031	uncharacterized LOC101491031
SNP_73338B_402803	scaffold2617	NW_004517519.1	402803	AA	GG	GG	URR	101491031	uncharacterized LOC101491031

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_73339B_402886	scaffold2617	NW_004517519.1	402886	GG	AA	AA	URR	101491031	uncharacterized LOC101491031
SNP_73340B_413730	scaffold2617	NW_004517519.1	413730	CC	AA	AA	INTERGENIC		
SNP_73341B_433767	scaffold2617	NW_004517519.1	433767	AA	GG	GG	INTERGENIC		
SNP_73342B_444225	scaffold2617	NW_004517519.1	444225	AA	CC	CC	INTRON	101497854	probable WRKY transcription factor 27
SNP_73343B_444399	scaffold2617	NW_004517519.1	444399	AA	GG	GG	NON_SYNONYMOUS_CODING	101497854	probable WRKY transcription factor 27
SNP_73344B_444449	scaffold2617	NW_004517519.1	444449	AA	GG	GG	SYNONYMOUS_CODING	101497854	probable WRKY transcription factor 27
SNP_73345B_444458	scaffold2617	NW_004517519.1	444458	GG	AA	AA	SYNONYMOUS_CODING	101497854	probable WRKY transcription factor 27
SNP_73346B_444472	scaffold2617	NW_004517519.1	444472	TT	CC	CC	NON_SYNONYMOUS_CODING	101497854	probable WRKY transcription factor 27
SNP_73347B_444491	scaffold2617	NW_004517519.1	444491	AA	GG	GG	SYNONYMOUS_CODING	101497854	probable WRKY transcription factor 27
SNP_73348B_474648	scaffold2617	NW_004517519.1	474648	AA	TT	TT	INTERGENIC		
SNP_73349B_474727	scaffold2617	NW_004517519.1	474727	CC	TT	TT	INTERGENIC		
SNP_73350B_513562	scaffold2617	NW_004517519.1	513562	CC	AA	AA	INTERGENIC		
SNP_73351B_513724	scaffold2617	NW_004517519.1	513724	CC	TT	TT	INTERGENIC		
SNP_73352B_513744	scaffold2617	NW_004517519.1	513744	GG	CC	CC	INTERGENIC		
SNP_73353B_513931	scaffold2617	NW_004517519.1	513931	AA	GG	GG	INTERGENIC		
SNP_73354B_513970	scaffold2617	NW_004517519.1	513970	AA	GG	GG	INTERGENIC		
SNP_73355B_514032	scaffold2617	NW_004517519.1	514032	GG	AA	AA	INTERGENIC		
SNP_73356B_514123	scaffold2617	NW_004517519.1	514123	AA	CC	CC	INTERGENIC		
SNP_73357B_514197	scaffold2617	NW_004517519.1	514197	TT	GG	GG	INTERGENIC		
SNP_73358B_514273	scaffold2617	NW_004517519.1	514273	AA	TT	TT	INTERGENIC		
SNP_73360B_4837	scaffold2618	NW_004517520.1	4837	TT	CC	CC	INTERGENIC		
SNP_73361B_4865	scaffold2618	NW_004517520.1	4865	TT	AA	AA	INTERGENIC		
SNP_73362B_27923	scaffold2620	NW_004517521.1	27923	AA	GG	GG	INTERGENIC		
SNP_73363B_27939	scaffold2620	NW_004517521.1	27939	AA	GG	GG	INTERGENIC		

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SNP_73364B_27978	scaffold2620	NW_004517521.1	27978	AA	GG	GG	INTERGENIC		
SNP_73365B_28015	scaffold2620	NW_004517521.1	28015	TT	CC	CC	INTERGENIC		
SNP_73366B_28041	scaffold2620	NW_004517521.1	28041	AA	TT	TT	INTERGENIC		
SNP_73367B_28166	scaffold2620	NW_004517521.1	28166	CC	TT	TT	INTERGENIC		
SNP_73368B_28344	scaffold2620	NW_004517521.1	28344	CC	TT	TT	INTERGENIC		
SNP_73369B_28379	scaffold2620	NW_004517521.1	28379	CC	TT	TT	INTERGENIC		
SNP_73370B_28387	scaffold2620	NW_004517521.1	28387	TT	CC	CC	INTERGENIC		
SNP_73371B_28388	scaffold2620	NW_004517521.1	28388	AA	CC	CC	INTERGENIC		
SNP_73372B_28390	scaffold2620	NW_004517521.1	28390	AA	GG	GG	INTERGENIC		
SNP_73373B_28401	scaffold2620	NW_004517521.1	28401	CC	GG	GG	INTERGENIC		
SNP_73374B_28412	scaffold2620	NW_004517521.1	28412	GG	TT	TT	INTERGENIC		
SNP_73375B_28668	scaffold2620	NW_004517521.1	28668	CC	TT	TT	INTERGENIC		
SNP_73376B_34031	scaffold2620	NW_004517521.1	34031	GG	TT	TT	INTERGENIC		
SNP_73378B_5619	scaffold2621	NW_004517522.1	5619	TT	CC	CC	INTERGENIC		
SNP_73379B_5630	scaffold2621	NW_004517522.1	5630	AA	GG	GG	INTERGENIC		
SNP_73380B_5653	scaffold2621	NW_004517522.1	5653	GG	AA	AA	INTERGENIC		
SNP_73381B_5677	scaffold2621	NW_004517522.1	5677	AA	TT	TT	INTERGENIC		
SNP_73382B_5699	scaffold2621	NW_004517522.1	5699	TT	CC	CC	INTERGENIC		
SNP_73383B_6469	scaffold2621	NW_004517522.1	6469	TT	CC	CC	INTERGENIC		
SNP_73384B_6520	scaffold2621	NW_004517522.1	6520	GG	TT	TT	INTERGENIC		
SNP_73385B_6917	scaffold2621	NW_004517522.1	6917	GG	CC	CC	INTERGENIC		
SNP_73386B_723	scaffold2623	NW_004517523.1	723	AA	TT	TT	INTERGENIC		
SNP_73387B_770	scaffold2624	NW_004517524.1	770	GG	TT	TT	INTERGENIC		
SNP_73388B_18008	scaffold2624	NW_004517524.1	18008	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_73389B_671	scaffold2626	NW_004517526.1	671	TT	GG	GG	INTERGENIC		
SNP_73390B_984	scaffold2626	NW_004517526.1	984	AA	GG	GG	INTERGENIC		
SNP_73391B_990	scaffold2626	NW_004517526.1	990	AA	GG	GG	INTERGENIC		
SNP_73393B_264	scaffold2627	NW_004517527.1	264	AA	GG	GG	INTERGENIC		
SNP_73394B_21603	scaffold2633	NW_004517530.1	21603	TT	CC	CC	INTERGENIC		
SNP_73395B_21622	scaffold2633	NW_004517530.1	21622	GG	AA	AA	INTERGENIC		
SNP_73396B_21737	scaffold2633	NW_004517530.1	21737	GG	AA	AA	INTERGENIC		
SNP_73397B_1430	scaffold2642	NW_004517536.1	1430	TT	CC	CC	INTERGENIC		
SNP_73398B_1480	scaffold2642	NW_004517536.1	1480	GG	TT	TT	INTERGENIC		
SNP_73399B_10679	scaffold2644	NW_004517537.1	10679	AA	CC	CC	INTERGENIC		
SNP_73400B_12112	scaffold2644	NW_004517537.1	12112	AA	GG	GG	INTERGENIC		
SNP_73401B_12281	scaffold2644	NW_004517537.1	12281	TT	AA	AA	INTERGENIC		
SNP_73402B_14672	scaffold2644	NW_004517537.1	14672	AA	TT	TT	INTERGENIC		
SNP_73403B_21573	scaffold2644	NW_004517537.1	21573	AA	GG	GG	INTERGENIC		
SNP_73404B_21621	scaffold2644	NW_004517537.1	21621	AA	GG	GG	INTERGENIC		
SNP_73405B_21662	scaffold2644	NW_004517537.1	21662	AA	GG	GG	INTERGENIC		
SNP_73406B_23056	scaffold2644	NW_004517537.1	23056	TT	AA	AA	INTERGENIC		
SNP_73407B_23115	scaffold2644	NW_004517537.1	23115	AA	GG	GG	INTERGENIC		
SNP_73408B_23616	scaffold2644	NW_004517537.1	23616	CC	AA	AA	INTERGENIC		
SNP_73409B_762	scaffold2646	NW_004517539.1	762	TT	CC	CC	INTERGENIC		
SNP_73410B_26901	scaffold2649	NW_004517541.1	26901	TT	AA	AA	INTERGENIC		
SNP_73411B_27733	scaffold2649	NW_004517541.1	27733	AA	GG	GG	INTERGENIC		
SNP_73412B_27784	scaffold2649	NW_004517541.1	27784	TT	CC	CC	INTERGENIC		
SNP_73413B_27814	scaffold2649	NW_004517541.1	27814	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_73414B_64	scaffold2650	NW_004517542.1	64	TT	CC	CC	INTERGENIC		
SNP_73415B_107	scaffold2650	NW_004517542.1	107	TT	GG	GG	INTERGENIC		
SNP_73416B_109	scaffold2650	NW_004517542.1	109	CC	GG	GG	INTERGENIC		
SNP_73417B_176	scaffold2650	NW_004517542.1	176	GG	TT	TT	INTERGENIC		
SNP_73418B_2046	scaffold2650	NW_004517542.1	2046	TT	AA	AA	INTERGENIC		
SNP_73419B_2060	scaffold2650	NW_004517542.1	2060	TT	CC	CC	INTERGENIC		
SNP_73420B_962	scaffold2651	NW_004517543.1	962	TT	CC	CC	INTERGENIC		
SNP_73421B_987	scaffold2651	NW_004517543.1	987	AA	GG	GG	INTERGENIC		
SNP_73422B_4448	scaffold2651	NW_004517543.1	4448	TT	AA	AA	INTERGENIC		
SNP_73423B_32341	scaffold2651	NW_004517543.1	32341	AA	TT	TT	INTERGENIC		
SNP_73424B_32414	scaffold2651	NW_004517543.1	32414	GG	TT	TT	INTERGENIC		
SNP_73425B_32457	scaffold2651	NW_004517543.1	32457	AA	TT	TT	INTERGENIC		
SNP_73426B_42349	scaffold2651	NW_004517543.1	42349	AA	GG	GG	INTERGENIC		
SNP_73427B_14742	scaffold2653	NW_004517544.1	14742	TT	CC	CC	INTERGENIC		
SNP_73428B_23873	scaffold2653	NW_004517544.1	23873	CC	TT	TT	URR	101499055	uncharacterized LOC101499055
SNP_73429B_25423	scaffold2653	NW_004517544.1	25423	TT	GG	GG	URR	101499055	uncharacterized LOC101499055
SNP_73430B_2095	scaffold2655	NW_004517546.1	2095	GG	AA	AA	INTERGENIC		
SNP_73431B_478	scaffold2660	NW_004517547.1	478	AA	GG	GG	INTERGENIC		
SNP_73432B_1674	scaffold2660	NW_004517547.1	1674	CC	AA	AA	INTERGENIC		
SNP_73433B_12300	scaffold2660	NW_004517547.1	12300	TT	AA	AA	INTERGENIC		
SNP_73435B_690	scaffold2662	NW_004517548.1	690	AA	GG	GG	INTERGENIC		
SNP_73436B_825	scaffold2662	NW_004517548.1	825	CC	AA	AA	INTERGENIC		
SNP_73437B_1284	scaffold2662	NW_004517548.1	1284	TT	GG	GG	INTERGENIC		
SNP_73439B_25841	scaffold2662	NW_004517548.1	25841	GG	TT	TT	INTERGENIC		

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SNP_73441B_26414	scaffold2662	NW_004517548.1	26414	TT	GG	GG	INTERGENIC		
SNP_73442B_28088	scaffold2662	NW_004517548.1	28088	CC	TT	TT	INTERGENIC		
SNP_73443B_28260	scaffold2662	NW_004517548.1	28260	TT	CC	CC	INTERGENIC		
SNP_73444B_28270	scaffold2662	NW_004517548.1	28270	TT	CC	CC	INTERGENIC		
SNP_73446B_31436	scaffold2662	NW_004517548.1	31436	CC	TT	TT	INTERGENIC		
SNP_73447B_31862	scaffold2662	NW_004517548.1	31862	GG	TT	TT	INTERGENIC		
SNP_73448B_34532	scaffold2662	NW_004517548.1	34532	GG	CC	CC	INTERGENIC		
SNP_73450B_47785	scaffold2662	NW_004517548.1	47785	TT	CC	CC	INTERGENIC		
SNP_73451B_13013	scaffold2668	NW_004517553.1	13013	TT	CC	CC	INTERGENIC		
SNP_73452B_13262	scaffold2668	NW_004517553.1	13262	AA	GG	GG	INTERGENIC		
SNP_73453B_13263	scaffold2668	NW_004517553.1	13263	TT	AA	AA	INTERGENIC		
SNP_73454B_13317	scaffold2668	NW_004517553.1	13317	TT	GG	GG	INTERGENIC		
SNP_73456B_12103	scaffold2669	NW_004517554.1	12103	CC	TT	TT	URR	101500217	Unknown function
SNP_73457B_12116	scaffold2669	NW_004517554.1	12116	TT	CC	CC	URR	101500217	Unknown function
SNP_73458B_12203	scaffold2669	NW_004517554.1	12203	CC	AA	GG	URR	101500217	Unknown function
SNP_73459B_12666	scaffold2669	NW_004517554.1	12666	TT	CC	CC	INTRON	101500528	Unknown function
SNP_73461B_1224	scaffold2670	NW_004517555.1	1224	CC	GG	GG	INTERGENIC		
SNP_73462B_1262	scaffold2670	NW_004517555.1	1262	CC	TT	TT	INTERGENIC		
SNP_73463B_1349	scaffold2670	NW_004517555.1	1349	CC	GG	GG	INTERGENIC		
SNP_73464B_1351	scaffold2670	NW_004517555.1	1351	AA	GG	GG	INTERGENIC		
SNP_73465B_1367	scaffold2670	NW_004517555.1	1367	AA	GG	GG	INTERGENIC		
SNP_73466B_1443	scaffold2670	NW_004517555.1	1443	TT	CC	CC	INTERGENIC		
SNP_73467B_1469	scaffold2670	NW_004517555.1	1469	AA	TT	TT	INTERGENIC		
SNP_73469B_1692	scaffold2670	NW_004517555.1	1692	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_73470B_1706	scaffold2670	NW_004517555.1	1706	AA	TT	TT	INTERGENIC		
SNP_73471B_1710	scaffold2670	NW_004517555.1	1710	TT	CC	CC	INTERGENIC		
SNP_73472B_1711	scaffold2670	NW_004517555.1	1711	CC	AA	AA	INTERGENIC		
SNP_73473B_1712	scaffold2670	NW_004517555.1	1712	GG	AA	AA	INTERGENIC		
SNP_73474B_5214	scaffold2670	NW_004517555.1	5214	TT	CC	CC	INTERGENIC		
SNP_73475B_26215	scaffold2670	NW_004517555.1	26215	AA	GG	GG	INTERGENIC		
SNP_73476B_26219	scaffold2670	NW_004517555.1	26219	AA	CC	CC	INTERGENIC		
SNP_73477B_26220	scaffold2670	NW_004517555.1	26220	AA	TT	TT	INTERGENIC		
SNP_73478B_26227	scaffold2670	NW_004517555.1	26227	AA	TT	TT	INTERGENIC		
SNP_73479B_26271	scaffold2670	NW_004517555.1	26271	AA	CC	CC	INTERGENIC		
SNP_73480B_26326	scaffold2670	NW_004517555.1	26326	TT	AA	AA	INTERGENIC		
SNP_73481B_26510	scaffold2670	NW_004517555.1	26510	CC	TT	TT	INTERGENIC		
SNP_73482B_26569	scaffold2670	NW_004517555.1	26569	TT	CC	CC	INTERGENIC		
SNP_73483B_26634	scaffold2670	NW_004517555.1	26634	AA	CC	CC	INTERGENIC		
SNP_73484B_26643	scaffold2670	NW_004517555.1	26643	CC	AA	AA	INTERGENIC		
SNP_73485B_26650	scaffold2670	NW_004517555.1	26650	CC	AA	AA	INTERGENIC		
SNP_73486B_26670	scaffold2670	NW_004517555.1	26670	GG	TT	TT	INTERGENIC		
SNP_73487B_26812	scaffold2670	NW_004517555.1	26812	AA	GG	GG	INTERGENIC		
SNP_73488B_26836	scaffold2670	NW_004517555.1	26836	AA	GG	GG	INTERGENIC		
SNP_73489B_26851	scaffold2670	NW_004517555.1	26851	AA	CC	CC	INTERGENIC		
SNP_73490B_26865	scaffold2670	NW_004517555.1	26865	AA	TT	TT	INTERGENIC		
SNP_73491B_26881	scaffold2670	NW_004517555.1	26881	AA	CC	CC	INTERGENIC		
SNP_73492B_34890	scaffold2670	NW_004517555.1	34890	CC	GG	GG	INTERGENIC		
SNP_73493B_34923	scaffold2670	NW_004517555.1	34923	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_73494B_36638	scaffold2670	NW_004517555.1	36638	TT	CC	CC	INTERGENIC		
SNP_73495B_36662	scaffold2670	NW_004517555.1	36662	GG	CC	CC	INTERGENIC		
SNP_73496B_36699	scaffold2670	NW_004517555.1	36699	CC	GG	GG	INTERGENIC		
SNP_73497B_36771	scaffold2670	NW_004517555.1	36771	TT	CC	CC	INTERGENIC		
SNP_73498B_36792	scaffold2670	NW_004517555.1	36792	TT	CC	CC	INTERGENIC		
SNP_73499B_36865	scaffold2670	NW_004517555.1	36865	CC	TT	TT	INTERGENIC		
SNP_73501B_36909	scaffold2670	NW_004517555.1	36909	CC	TT	TT	INTERGENIC		
SNP_73502B_37018	scaffold2670	NW_004517555.1	37018	TT	CC	CC	INTERGENIC		
SNP_73503B_37041	scaffold2670	NW_004517555.1	37041	CC	AA	AA	INTERGENIC		
SNP_73504B_37077	scaffold2670	NW_004517555.1	37077	CC	TT	TT	INTERGENIC		
SNP_73505B_37169	scaffold2670	NW_004517555.1	37169	TT	CC	CC	INTERGENIC		
SNP_73506B_37171	scaffold2670	NW_004517555.1	37171	GG	TT	TT	INTERGENIC		
SNP_73507B_37195	scaffold2670	NW_004517555.1	37195	CC	TT	TT	INTERGENIC		
SNP_73508B_37228	scaffold2670	NW_004517555.1	37228	AA	GG	GG	INTERGENIC		
SNP_73509B_42731	scaffold2670	NW_004517555.1	42731	AA	GG	GG	INTERGENIC		
SNP_73510B_42967	scaffold2670	NW_004517555.1	42967	CC	TT	TT	INTERGENIC		
SNP_73511B_42968	scaffold2670	NW_004517555.1	42968	CC	TT	TT	INTERGENIC		
SNP_73512B_43022	scaffold2670	NW_004517555.1	43022	GG	CC	CC	INTERGENIC		
SNP_73513B_43458	scaffold2670	NW_004517555.1	43458	AA	TT	TT	INTERGENIC		
SNP_73514B_43468	scaffold2670	NW_004517555.1	43468	GG	TT	TT	INTERGENIC		
SNP_73515B_43534	scaffold2670	NW_004517555.1	43534	TT	AA	AA	INTERGENIC		
SNP_73516B_43544	scaffold2670	NW_004517555.1	43544	GG	AA	AA	INTERGENIC		
SNP_73517B_43550	scaffold2670	NW_004517555.1	43550	AA	GG	GG	INTERGENIC		
SNP_73518B_43835	scaffold2670	NW_004517555.1	43835	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_73519B_43838	scaffold2670	NW_004517555.1	43838	GG	AA	AA	INTERGENIC		
SNP_73520B_43854	scaffold2670	NW_004517555.1	43854	AA	TT	TT	INTERGENIC		
SNP_73521B_43859	scaffold2670	NW_004517555.1	43859	TT	GG	GG	INTERGENIC		
SNP_73522B_43942	scaffold2670	NW_004517555.1	43942	CC	TT	TT	INTERGENIC		
SNP_73523B_44067	scaffold2670	NW_004517555.1	44067	AA	GG	GG	INTERGENIC		
SNP_73524B_44072	scaffold2670	NW_004517555.1	44072	TT	GG	GG	INTERGENIC		
SNP_73525B_44074	scaffold2670	NW_004517555.1	44074	CC	GG	GG	INTERGENIC		
SNP_73526B_44984	scaffold2670	NW_004517555.1	44984	CC	AA	AA	INTERGENIC		
SNP_73527B_45013	scaffold2670	NW_004517555.1	45013	CC	TT	TT	INTERGENIC		
SNP_73528B_45419	scaffold2670	NW_004517555.1	45419	GG	CC	CC	INTERGENIC		
SNP_73529B_62447	scaffold2670	NW_004517555.1	62447	AA	CC	CC	INTERGENIC		
SNP_73530B_63196	scaffold2670	NW_004517555.1	63196	CC	TT	TT	INTERGENIC		
SNP_73531B_66905	scaffold2670	NW_004517555.1	66905	AA	CC	CC	INTERGENIC		
SNP_73532B_67135	scaffold2670	NW_004517555.1	67135	TT	CC	CC	INTERGENIC		
SNP_73533B_67189	scaffold2670	NW_004517555.1	67189	TT	GG	GG	INTERGENIC		
SNP_73534B_67215	scaffold2670	NW_004517555.1	67215	GG	AA	AA	INTERGENIC		
SNP_73535B_67240	scaffold2670	NW_004517555.1	67240	AA	GG	GG	INTERGENIC		
SNP_73536B_133327	scaffold2670	NW_004517555.1	133327	AA	GG	GG	INTERGENIC		
SNP_73537B_140565	scaffold2670	NW_004517555.1	140565	AA	GG	GG	INTERGENIC		
SNP_73539B_149154	scaffold2670	NW_004517555.1	149154	TT	CC	CC	INTERGENIC		
SNP_73540B_149198	scaffold2670	NW_004517555.1	149198	TT	CC	CC	INTERGENIC		
SNP_73541B_149426	scaffold2670	NW_004517555.1	149426	AA	CC	CC	INTERGENIC		
SNP_73542B_149429	scaffold2670	NW_004517555.1	149429	CC	TT	TT	INTERGENIC		
SNP_73543B_149438	scaffold2670	NW_004517555.1	149438	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_73544B_149468	scaffold2670	NW_004517555.1	149468	CC	AA	AA	INTERGENIC		
SNP_73545B_149501	scaffold2670	NW_004517555.1	149501	GG	CC	CC	INTERGENIC		
SNP_73546B_149606	scaffold2670	NW_004517555.1	149606	AA	GG	GG	INTERGENIC		
SNP_73547B_4330	scaffold2672	NW_004517556.1	4330	GG	AA	AA	INTERGENIC		
SNP_73548B_4363	scaffold2672	NW_004517556.1	4363	AA	TT	TT	INTERGENIC		
SNP_73549B_4512	scaffold2672	NW_004517556.1	4512	TT	GG	GG	INTERGENIC		
SNP_73550B_4517	scaffold2672	NW_004517556.1	4517	TT	GG	GG	INTERGENIC		
SNP_73551B_4631	scaffold2672	NW_004517556.1	4631	GG	AA	AA	INTERGENIC		
SNP_73552B_4649	scaffold2672	NW_004517556.1	4649	GG	TT	TT	INTERGENIC		
SNP_73553B_4654	scaffold2672	NW_004517556.1	4654	AA	CC	CC	INTERGENIC		
SNP_73554B_1477	scaffold2675	NW_004517557.1	1477	CC	TT	TT	INTERGENIC		
SNP_73555B_1491	scaffold2675	NW_004517557.1	1491	CC	AA	AA	INTERGENIC		
SNP_73556B_1492	scaffold2675	NW_004517557.1	1492	TT	GG	GG	INTERGENIC		
SNP_73558B_101434	scaffold2678	NW_004517559.1	101434	CC	TT	TT	INTERGENIC		
SNP_73559B_1775	scaffold2684	NW_004517562.1	1775	AA	CC	CC	INTERGENIC		
SNP_73560B_1785	scaffold2684	NW_004517562.1	1785	TT	GG	GG	INTERGENIC		
SNP_73561B_772	scaffold2687	NW_004517565.1	772	AA	CC	CC	INTERGENIC		
SNP_73562B_718	scaffold2691	NW_004517568.1	718	TT	CC	CC	INTERGENIC		
SNP_73563B_748	scaffold2691	NW_004517568.1	748	CC	TT	TT	INTERGENIC		
SNP_73564B_934	scaffold2691	NW_004517568.1	934	GG	TT	TT	INTERGENIC		
SNP_73565B_955	scaffold2691	NW_004517568.1	955	CC	TT	TT	INTERGENIC		
SNP_73566B_1057	scaffold2692	NW_004517569.1	1057	AA	TT	TT	INTERGENIC		
SNP_73567B_1228	scaffold2692	NW_004517569.1	1228	GG	TT	TT	INTERGENIC		
SNP_73568B_1245	scaffold2692	NW_004517569.1	1245	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_73570B_12846	scaffold2692	NW_004517569.1	12846	CC	TT	TT	INTERGENIC		
SNP_73571B_12850	scaffold2692	NW_004517569.1	12850	GG	TT	TT	INTERGENIC		
SNP_73572B_12861	scaffold2692	NW_004517569.1	12861	TT	CC	CC	INTERGENIC		
SNP_73573B_13278	scaffold2692	NW_004517569.1	13278	AA	TT	TT	INTERGENIC		
SNP_73574B_14283	scaffold2692	NW_004517569.1	14283	CC	TT	TT	INTERGENIC		
SNP_73575B_14453	scaffold2692	NW_004517569.1	14453	CC	GG	GG	INTERGENIC		
SNP_73577B_14651	scaffold2692	NW_004517569.1	14651	TT	CC	CC	INTERGENIC		
SNP_73579B_65	scaffold2695	NW_004517571.1	65	TT	AA	AA	INTERGENIC		
SNP_73580B_7672	scaffold2695	NW_004517571.1	7672	TT	CC	CC	INTERGENIC		
SNP_73581B_12404	scaffold2695	NW_004517571.1	12404	TT	AA	AA	INTERGENIC		
SNP_73582B_3634	scaffold2700	NW_004517575.1	3634	TT	AA	AA	URR	101502649	Unknown function
SNP_73583B_4094	scaffold2700	NW_004517575.1	4094	CC	TT	TT	URR	101502649	Unknown function
SNP_73584B_10348	scaffold2700	NW_004517575.1	10348	AA	GG	GG	INTERGENIC		
SNP_73585B_10871	scaffold2700	NW_004517575.1	10871	GG	AA	AA	INTERGENIC		
SNP_73587B_335	scaffold2705	NW_004517578.1	335	CC	AA	AA	INTERGENIC		
SNP_73588B_409	scaffold2705	NW_004517578.1	409	TT	AA	AA	INTERGENIC		
SNP_73589B_459	scaffold2705	NW_004517578.1	459	GG	CC	CC	INTERGENIC		
SNP_73590B_519	scaffold2705	NW_004517578.1	519	AA	GG	GG	INTERGENIC		
SNP_73591B_566	scaffold2705	NW_004517578.1	566	GG	TT	TT	INTERGENIC		
SNP_73592B_738	scaffold2705	NW_004517578.1	738	AA	GG	GG	INTERGENIC		
SNP_73593B_799	scaffold2705	NW_004517578.1	799	CC	GG	GG	INTERGENIC		
SNP_73594B_916	scaffold2705	NW_004517578.1	916	AA	GG	GG	INTERGENIC		
SNP_73595B_920	scaffold2705	NW_004517578.1	920	TT	CC	CC	INTERGENIC		
SNP_73596B_953	scaffold2705	NW_004517578.1	953	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_73597B_1376	scaffold2705	NW_004517578.1	1376	TT	CC	CC	INTERGENIC		
SNP_73598B_1599	scaffold2705	NW_004517578.1	1599	TT	AA	AA	INTERGENIC		
SNP_73599B_5934	scaffold2706	NW_004517579.1	5934	CC	TT	TT	INTERGENIC		
SNP_73600B_5979	scaffold2706	NW_004517579.1	5979	TT	CC	CC	INTERGENIC		
SNP_73601B_17749	scaffold2707	NW_004517580.1	17749	TT	CC	CC	INTERGENIC		
SNP_73602B_17784	scaffold2707	NW_004517580.1	17784	TT	CC	CC	INTERGENIC		
SNP_73603B_17785	scaffold2707	NW_004517580.1	17785	GG	AA	AA	INTERGENIC		
SNP_73604B_17836	scaffold2707	NW_004517580.1	17836	AA	TT	TT	INTERGENIC		
SNP_73605B_17919	scaffold2707	NW_004517580.1	17919	GG	AA	AA	INTERGENIC		
SNP_73606B_5083	scaffold2709	NW_004517581.1	5083	TT	CC	CC	INTERGENIC		
SNP_73607B_9564	scaffold2709	NW_004517581.1	9564	CC	AA	AA	INTERGENIC		
SNP_73608B_21832	scaffold2709	NW_004517581.1	21832	CC	TT	TT	INTERGENIC		
SNP_73609B_21895	scaffold2709	NW_004517581.1	21895	GG	AA	AA	INTERGENIC		
SNP_73610B_28980	scaffold2709	NW_004517581.1	28980	CC	TT	TT	INTERGENIC		
SNP_73611B_34463	scaffold2709	NW_004517581.1	34463	GG	AA	AA	INTERGENIC		
SNP_73612B_35043	scaffold2709	NW_004517581.1	35043	CC	TT	TT	INTERGENIC		
SNP_73613B_4603	scaffold2711	NW_004517583.1	4603	AA	GG	GG	URR	101503288	uncharacterized LOC101503288
SNP_73614B_4615	scaffold2711	NW_004517583.1	4615	CC	AA	AA	URR	101503288	uncharacterized LOC101503288
SNP_73615B_4629	scaffold2711	NW_004517583.1	4629	CC	TT	TT	URR	101503288	uncharacterized LOC101503288
SNP_73616B_20469	scaffold2711	NW_004517583.1	20469	TT	CC	CC	INTERGENIC		
SNP_73617B_41712	scaffold2715	NW_004517586.1	41712	TT	AA	AA	INTERGENIC		
SNP_73618B_41744	scaffold2715	NW_004517586.1	41744	AA	CC	CC	INTERGENIC		
SNP_73619B_41763	scaffold2715	NW_004517586.1	41763	AA	GG	GG	INTERGENIC		
SNP_73620B_41791	scaffold2715	NW_004517586.1	41791	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_73621B_41800	scaffold2715	NW_004517586.1	41800	TT	GG	GG	INTERGENIC		
SNP_73622B_41832	scaffold2715	NW_004517586.1	41832	TT	AA	AA	INTERGENIC		
SNP_73623B_42208	scaffold2715	NW_004517586.1	42208	AA	GG	GG	INTERGENIC		
SNP_73624B_42474	scaffold2715	NW_004517586.1	42474	GG	CC	CC	INTERGENIC		
SNP_73625B_233	scaffold2719	NW_004517589.1	233	GG	CC	CC	INTERGENIC		
SNP_73626B_2382	scaffold2719	NW_004517589.1	2382	CC	TT	TT	INTERGENIC		
SNP_73627B_26424	scaffold2720	NW_004517590.1	26424	CC	TT	TT	INTERGENIC		
SNP_73628B_26603	scaffold2720	NW_004517590.1	26603	AA	CC	CC	INTERGENIC		
SNP_73629B_26698	scaffold2720	NW_004517590.1	26698	CC	AA	AA	INTERGENIC		
SNP_73630B_26700	scaffold2720	NW_004517590.1	26700	GG	AA	AA	INTERGENIC		
SNP_73631B_27349	scaffold2720	NW_004517590.1	27349	CC	TT	TT	INTERGENIC		
SNP_73632B_28143	scaffold2720	NW_004517590.1	28143	GG	AA	AA	INTERGENIC		
SNP_73633B_28221	scaffold2720	NW_004517590.1	28221	TT	GG	GG	INTERGENIC		
SNP_73634B_28595	scaffold2720	NW_004517590.1	28595	GG	TT	TT	INTERGENIC		
SNP_73635B_28647	scaffold2720	NW_004517590.1	28647	GG	CC	CC	INTERGENIC		
SNP_73636B_28732	scaffold2720	NW_004517590.1	28732	CC	TT	TT	INTERGENIC		
SNP_73637B_28967	scaffold2720	NW_004517590.1	28967	TT	CC	CC	INTERGENIC		
SNP_73638B_29020	scaffold2720	NW_004517590.1	29020	TT	CC	CC	INTERGENIC		
SNP_73639B_29026	scaffold2720	NW_004517590.1	29026	AA	GG	GG	INTERGENIC		
SNP_73640B_29045	scaffold2720	NW_004517590.1	29045	TT	AA	AA	INTERGENIC		
SNP_73641B_112789	scaffold2720	NW_004517590.1	112789	TT	GG	GG	INTERGENIC		
SNP_73642B_120125	scaffold2720	NW_004517590.1	120125	TT	GG	GG	INTERGENIC		
SNP_73643B_123625	scaffold2720	NW_004517590.1	123625	AA	GG	GG	INTERGENIC		
SNP_73644B_123891	scaffold2720	NW_004517590.1	123891	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_73645B_123922	scaffold2720	NW_004517590.1	123922	GG	TT	TT	INTERGENIC		
SNP_73646B_123935	scaffold2720	NW_004517590.1	123935	CC	TT	TT	INTERGENIC		
SNP_73647B_126751	scaffold2720	NW_004517590.1	126751	TT	CC	CC	INTERGENIC		
SNP_73648B_127128	scaffold2720	NW_004517590.1	127128	TT	CC	CC	INTERGENIC		
SNP_73649B_127150	scaffold2720	NW_004517590.1	127150	AA	GG	GG	INTERGENIC		
SNP_73650B_131606	scaffold2720	NW_004517590.1	131606	CC	TT	TT	INTERGENIC		
SNP_73653B_132021	scaffold2720	NW_004517590.1	132021	CC	GG	GG	INTERGENIC		
SNP_73654B_132022	scaffold2720	NW_004517590.1	132022	CC	TT	TT	INTERGENIC		
SNP_73655B_132111	scaffold2720	NW_004517590.1	132111	AA	GG	GG	INTERGENIC		
SNP_73656B_174347	scaffold2720	NW_004517590.1	174347	CC	TT	TT	INTERGENIC		
SNP_73657B_174419	scaffold2720	NW_004517590.1	174419	TT	CC	CC	INTERGENIC		
SNP_73658B_174485	scaffold2720	NW_004517590.1	174485	AA	GG	GG	INTERGENIC		
SNP_73659B_182827	scaffold2720	NW_004517590.1	182827	TT	CC	CC	INTERGENIC		
SNP_73660B_182884	scaffold2720	NW_004517590.1	182884	TT	CC	CC	INTERGENIC		
SNP_73661B_182966	scaffold2720	NW_004517590.1	182966	TT	CC	CC	INTERGENIC		
SNP_73662B_183280	scaffold2720	NW_004517590.1	183280	TT	CC	CC	INTERGENIC		
SNP_73663B_209625	scaffold2720	NW_004517590.1	209625	CC	AA	AA	INTERGENIC		
SNP_73665B_223949	scaffold2720	NW_004517590.1	223949	CC	TT	TT	INTERGENIC		
SNP_73666B_223974	scaffold2720	NW_004517590.1	223974	CC	AA	AA	INTERGENIC		
SNP_73667B_224015	scaffold2720	NW_004517590.1	224015	CC	TT	TT	INTERGENIC		
SNP_73668B_224423	scaffold2720	NW_004517590.1	224423	GG	AA	AA	INTERGENIC		
SNP_73669B_224429	scaffold2720	NW_004517590.1	224429	AA	GG	GG	INTERGENIC		
SNP_73670B_224432	scaffold2720	NW_004517590.1	224432	GG	AA	AA	INTERGENIC		
SNP_73671B_224444	scaffold2720	NW_004517590.1	224444	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_73674B_903	scaffold2722	NW_004517591.1	903	GG	AA	AA	INTERGENIC		
SNP_73675B_906	scaffold2722	NW_004517591.1	906	AA	GG	GG	INTERGENIC		
SNP_73676B_916	scaffold2722	NW_004517591.1	916	AA	GG	GG	INTERGENIC		
SNP_73677B_951	scaffold2722	NW_004517591.1	951	AA	GG	GG	INTERGENIC		
SNP_73678B_964	scaffold2722	NW_004517591.1	964	GG	AA	AA	INTERGENIC		
SNP_73679B_1949	scaffold2722	NW_004517591.1	1949	CC	AA	AA	INTERGENIC		
SNP_73680B_1960	scaffold2722	NW_004517591.1	1960	AA	GG	GG	INTERGENIC		
SNP_73681B_24164	scaffold2722	NW_004517591.1	24164	AA	TT	TT	INTERGENIC		
SNP_73682B_27153	scaffold2722	NW_004517591.1	27153	TT	AA	AA	INTERGENIC		
SNP_73683B_27154	scaffold2722	NW_004517591.1	27154	CC	AA	AA	INTERGENIC		
SNP_73684B_41281	scaffold2722	NW_004517591.1	41281	GG	TT	TT	INTERGENIC		
SNP_73685B_42121	scaffold2722	NW_004517591.1	42121	GG	AA	AA	INTERGENIC		
SNP_73686B_4746	scaffold2724	NW_004517592.1	4746	CC	TT	TT	INTERGENIC		
SNP_73687B_64	scaffold2725	NW_004517593.1	64	CC	TT	TT	INTERGENIC		
SNP_73688B_1033	scaffold2725	NW_004517593.1	1033	TT	CC	CC	INTERGENIC		
SNP_73689B_3069	scaffold2725	NW_004517593.1	3069	TT	GG	GG	INTERGENIC		
SNP_73690B_3115	scaffold2725	NW_004517593.1	3115	GG	AA	AA	INTERGENIC		
SNP_73691B_3603	scaffold2725	NW_004517593.1	3603	AA	GG	GG	INTERGENIC		
SNP_73692B_3899	scaffold2725	NW_004517593.1	3899	AA	GG	GG	INTERGENIC		
SNP_73695B_4542	scaffold2726	NW_004517594.1	4542	AA	TT	TT	INTERGENIC		
SNP_73696B_1407	scaffold2727	NW_004517595.1	1407	TT	AA	AA	INTERGENIC		
SNP_73697B_1509	scaffold2727	NW_004517595.1	1509	TT	CC	CC	INTERGENIC		
SNP_73698B_1749	scaffold2727	NW_004517595.1	1749	CC	GG	GG	INTERGENIC		
SNP_73699B_1760	scaffold2727	NW_004517595.1	1760	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_73700B_966	scaffold2728	NW_004517596.1	966	AA	CC	CC	INTERGENIC		
SNP_73701B_980	scaffold2728	NW_004517596.1	980	GG	AA	AA	INTERGENIC		
SNP_73703B_1210	scaffold2729	NW_004517597.1	1210	AA	TT	TT	INTERGENIC		
SNP_73704B_1232	scaffold2729	NW_004517597.1	1232	AA	GG	GG	INTERGENIC		
SNP_73705B_1313	scaffold2729	NW_004517597.1	1313	TT	CC	CC	INTERGENIC		
SNP_73706B_3286	scaffold2729	NW_004517597.1	3286	CC	TT	TT	INTERGENIC		
SNP_73707B_3306	scaffold2729	NW_004517597.1	3306	CC	AA	AA	INTERGENIC		
SNP_73708B_5848	scaffold2729	NW_004517597.1	5848	TT	CC	CC	INTERGENIC		
SNP_73709B_5850	scaffold2729	NW_004517597.1	5850	GG	AA	AA	INTERGENIC		
SNP_73710B_5861	scaffold2729	NW_004517597.1	5861	CC	TT	TT	INTERGENIC		
SNP_73712B_5927	scaffold2729	NW_004517597.1	5927	GG	AA	AA	INTERGENIC		
SNP_73713B_5946	scaffold2729	NW_004517597.1	5946	GG	AA	AA	INTERGENIC		
SNP_73714B_6322	scaffold2729	NW_004517597.1	6322	AA	TT	TT	INTERGENIC		
SNP_73715B_6836	scaffold2729	NW_004517597.1	6836	AA	GG	GG	INTERGENIC		
SNP_73716B_6838	scaffold2729	NW_004517597.1	6838	CC	TT	TT	INTERGENIC		
SNP_73717B_6855	scaffold2729	NW_004517597.1	6855	TT	GG	GG	INTERGENIC		
SNP_73718B_6905	scaffold2729	NW_004517597.1	6905	GG	AA	AA	INTERGENIC		
SNP_73719B_6922	scaffold2729	NW_004517597.1	6922	TT	AA	AA	INTERGENIC		
SNP_73720B_6936	scaffold2729	NW_004517597.1	6936	GG	AA	AA	INTERGENIC		
SNP_73721B_7870	scaffold2729	NW_004517597.1	7870	TT	CC	CC	INTERGENIC		
SNP_73722B_326	scaffold2734	NW_004517601.1	326	CC	AA	AA	INTERGENIC		
SNP_73723B_428	scaffold2734	NW_004517601.1	428	AA	TT	TT	INTERGENIC		
SNP_73724B_508	scaffold2734	NW_004517601.1	508	AA	GG	GG	INTERGENIC		
SNP_73726B_771	scaffold2734	NW_004517601.1	771	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_73727B_953	scaffold2734	NW_004517601.1	953	CC	TT	TT	INTERGENIC		
SNP_73728B_961	scaffold2734	NW_004517601.1	961	AA	GG	GG	INTERGENIC		
SNP_73729B_1046	scaffold2734	NW_004517601.1	1046	TT	CC	CC	INTERGENIC		
SNP_73730B_1431	scaffold2734	NW_004517601.1	1431	AA	GG	GG	INTERGENIC		
SNP_73731B_1478	scaffold2734	NW_004517601.1	1478	AA	CC	CC	INTERGENIC		
SNP_73732B_1482	scaffold2734	NW_004517601.1	1482	TT	CC	CC	INTERGENIC		
SNP_73733B_1489	scaffold2734	NW_004517601.1	1489	CC	TT	TT	INTERGENIC		
SNP_73734B_13926	scaffold2734	NW_004517601.1	13926	GG	TT	TT	INTERGENIC		
SNP_73735B_3336	scaffold2736	NW_004517602.1	3336	AA	GG	GG	INTERGENIC		
SNP_73736B_3424	scaffold2736	NW_004517602.1	3424	TT	GG	GG	INTERGENIC		
SNP_73738B_3645	scaffold2736	NW_004517602.1	3645	AA	GG	GG	INTERGENIC		
SNP_73739B_3659	scaffold2736	NW_004517602.1	3659	AA	GG	GG	INTERGENIC		
SNP_73740B_3688	scaffold2736	NW_004517602.1	3688	TT	CC	CC	INTERGENIC		
SNP_73741B_3808	scaffold2736	NW_004517602.1	3808	TT	GG	GG	INTERGENIC		
SNP_73742B_3817	scaffold2736	NW_004517602.1	3817	GG	TT	TT	INTERGENIC		
SNP_73743B_3848	scaffold2736	NW_004517602.1	3848	CC	TT	TT	INTERGENIC		
SNP_73744B_3945	scaffold2736	NW_004517602.1	3945	TT	CC	CC	INTERGENIC		
SNP_73745B_4193	scaffold2736	NW_004517602.1	4193	CC	TT	TT	INTERGENIC		
SNP_73746B_4287	scaffold2736	NW_004517602.1	4287	TT	CC	CC	INTERGENIC		
SNP_73747B_4298	scaffold2736	NW_004517602.1	4298	CC	TT	TT	INTERGENIC		
SNP_73748B_4350	scaffold2736	NW_004517602.1	4350	CC	GG	GG	INTERGENIC		
SNP_73749B_4167	scaffold2737	NW_004517603.1	4167	TT	AA	AA	INTERGENIC		
SNP_73750B_8946	scaffold2737	NW_004517603.1	8946	TT	AA	AA	INTERGENIC		
SNP_73751B_9361	scaffold2737	NW_004517603.1	9361	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_73753B_9544	scaffold2737	NW_004517603.1	9544	GG	AA	AA	INTERGENIC		
SNP_73754B_9636	scaffold2737	NW_004517603.1	9636	AA	TT	TT	INTERGENIC		
SNP_73755B_9731	scaffold2737	NW_004517603.1	9731	AA	CC	CC	INTERGENIC		
SNP_73756B_5005	scaffold2738	NW_004517604.1	5005	CC	TT	TT	INTERGENIC		
SNP_73757B_7951	scaffold2738	NW_004517604.1	7951	CC	TT	TT	INTERGENIC		
SNP_73758B_7963	scaffold2738	NW_004517604.1	7963	TT	CC	CC	INTERGENIC		
SNP_73759B_8156	scaffold2738	NW_004517604.1	8156	GG	AA	AA	INTERGENIC		
SNP_73760B_10165	scaffold2738	NW_004517604.1	10165	TT	CC	CC	INTERGENIC		
SNP_73761B_10556	scaffold2738	NW_004517604.1	10556	CC	TT	TT	INTERGENIC		
SNP_73762B_10598	scaffold2738	NW_004517604.1	10598	GG	CC	CC	INTERGENIC		
SNP_73763B_10601	scaffold2738	NW_004517604.1	10601	AA	TT	TT	INTERGENIC		
SNP_73764B_12098	scaffold2738	NW_004517604.1	12098	AA	GG	GG	INTERGENIC		
SNP_73765B_26580	scaffold2738	NW_004517604.1	26580	AA	GG	GG	INTERGENIC		
SNP_73766B_27485	scaffold2738	NW_004517604.1	27485	GG	TT	TT	INTERGENIC		
SNP_73767B_29181	scaffold2738	NW_004517604.1	29181	GG	AA	AA	INTERGENIC		
SNP_73768B_29552	scaffold2738	NW_004517604.1	29552	CC	TT	TT	INTERGENIC		
SNP_73769B_29827	scaffold2738	NW_004517604.1	29827	AA	CC	CC	INTERGENIC		
SNP_73770B_29989	scaffold2738	NW_004517604.1	29989	GG	AA	AA	INTERGENIC		
SNP_73771B_30045	scaffold2738	NW_004517604.1	30045	TT	CC	CC	INTERGENIC		
SNP_73772B_30089	scaffold2738	NW_004517604.1	30089	AA	CC	CC	INTERGENIC		
SNP_73773B_30411	scaffold2738	NW_004517604.1	30411	AA	GG	GG	INTERGENIC		
SNP_73774B_30551	scaffold2738	NW_004517604.1	30551	GG	AA	AA	INTERGENIC		
SNP_73776B_31732	scaffold2738	NW_004517604.1	31732	AA	TT	TT	INTERGENIC		
SNP_73777B_31747	scaffold2738	NW_004517604.1	31747	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_73778B_31914	scaffold2738	NW_004517604.1	31914	AA	TT	TT	INTERGENIC		
SNP_73779B_20326	scaffold2739	NW_004517605.1	20326	CC	AA	AA	INTERGENIC		
SNP_73780B_20351	scaffold2739	NW_004517605.1	20351	CC	AA	AA	INTERGENIC		
SNP_73781B_20504	scaffold2739	NW_004517605.1	20504	TT	AA	AA	INTERGENIC		
SNP_73782B_20510	scaffold2739	NW_004517605.1	20510	CC	AA	AA	INTERGENIC		
SNP_73783B_21450	scaffold2739	NW_004517605.1	21450	CC	TT	TT	INTERGENIC		
SNP_73784B_21534	scaffold2739	NW_004517605.1	21534	TT	GG	GG	INTERGENIC		
SNP_73785B_21647	scaffold2739	NW_004517605.1	21647	TT	GG	GG	INTERGENIC		
SNP_73786B_21979	scaffold2739	NW_004517605.1	21979	AA	TT	TT	INTERGENIC		
SNP_73787B_22155	scaffold2739	NW_004517605.1	22155	GG	AA	AA	INTERGENIC		
SNP_73788B_4448	scaffold2742	NW_004517607.1	4448	AA	TT	TT	INTERGENIC		
SNP_73789B_17603	scaffold2742	NW_004517607.1	17603	TT	CC	CC	INTERGENIC		
SNP_73790B_17622	scaffold2742	NW_004517607.1	17622	AA	GG	GG	INTERGENIC		
SNP_73791B_17779	scaffold2742	NW_004517607.1	17779	TT	CC	CC	INTERGENIC		
SNP_73792B_18259	scaffold2742	NW_004517607.1	18259	GG	AA	AA	INTERGENIC		
SNP_73793B_1267	scaffold2743	NW_004517608.1	1267	TT	GG	GG	INTERGENIC		
SNP_73794B_1292	scaffold2743	NW_004517608.1	1292	AA	GG	GG	INTERGENIC		
SNP_73795B_3177	scaffold2744	NW_004517609.1	3177	TT	CC	CC	INTERGENIC		
SNP_73796B_3677	scaffold2744	NW_004517609.1	3677	GG	AA	AA	INTERGENIC		
SNP_73797B_28300	scaffold2744	NW_004517609.1	28300	CC	TT	TT	INTERGENIC		
SNP_73798B_31153	scaffold2744	NW_004517609.1	31153	TT	CC	CC	INTERGENIC		
SNP_73799B_31163	scaffold2744	NW_004517609.1	31163	TT	CC	CC	INTERGENIC		
SNP_73800B_31164	scaffold2744	NW_004517609.1	31164	TT	CC	CC	INTERGENIC		
SNP_73801B_31165	scaffold2744	NW_004517609.1	31165	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_73802B_31177	scaffold2744	NW_004517609.1	31177	AA	GG	GG	INTERGENIC		
SNP_73803B_31183	scaffold2744	NW_004517609.1	31183	GG	AA	AA	INTERGENIC		
SNP_73804B_31222	scaffold2744	NW_004517609.1	31222	CC	TT	TT	INTERGENIC		
SNP_73805B_31240	scaffold2744	NW_004517609.1	31240	AA	TT	TT	INTERGENIC		
SNP_73806B_31261	scaffold2744	NW_004517609.1	31261	AA	CC	CC	INTERGENIC		
SNP_73807B_42005	scaffold2744	NW_004517609.1	42005	TT	CC	CC	INTERGENIC		
SNP_73808B_42039	scaffold2744	NW_004517609.1	42039	CC	AA	AA	INTERGENIC		
SNP_73809B_42046	scaffold2744	NW_004517609.1	42046	CC	AA	AA	INTERGENIC		
SNP_73810B_42048	scaffold2744	NW_004517609.1	42048	CC	TT	TT	INTERGENIC		
SNP_73811B_42086	scaffold2744	NW_004517609.1	42086	AA	CC	CC	INTERGENIC		
SNP_73812B_42312	scaffold2744	NW_004517609.1	42312	CC	AA	AA	INTERGENIC		
SNP_73813B_42405	scaffold2744	NW_004517609.1	42405	TT	CC	CC	INTERGENIC		
SNP_73815B_42408	scaffold2744	NW_004517609.1	42408	CC	TT	TT	INTERGENIC		
SNP_73816B_42418	scaffold2744	NW_004517609.1	42418	TT	AA	AA	INTERGENIC		
SNP_73818B_88918	scaffold2744	NW_004517609.1	88918	TT	GG	GG	INTERGENIC		
SNP_73819B_92938	scaffold2744	NW_004517609.1	92938	AA	GG	GG	INTERGENIC		
SNP_73820B_341	scaffold2746	NW_004517611.1	341	GG	TT	TT	INTERGENIC		
SNP_73821B_353	scaffold2746	NW_004517611.1	353	CC	GG	GG	INTERGENIC		
SNP_73822B_427	scaffold2746	NW_004517611.1	427	TT	GG	GG	INTERGENIC		
SNP_73823B_544	scaffold2746	NW_004517611.1	544	CC	TT	TT	INTERGENIC		
SNP_73824B_711	scaffold2748	NW_004517613.1	711	AA	GG	GG	INTERGENIC		
SNP_73825B_19864	scaffold2748	NW_004517613.1	19864	GG	AA	AA	INTERGENIC		
SNP_73826B_19884	scaffold2748	NW_004517613.1	19884	GG	CC	CC	INTERGENIC		
SNP_73827B_20447	scaffold2748	NW_004517613.1	20447	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_73828B_22724	scaffold2748	NW_004517613.1	22724	AA	TT	TT	INTERGENIC		
SNP_73829B_23620	scaffold2748	NW_004517613.1	23620	TT	GG	GG	INTERGENIC		
SNP_73830B_23765	scaffold2748	NW_004517613.1	23765	AA	GG	GG	INTERGENIC		
SNP_73831B_23959	scaffold2748	NW_004517613.1	23959	GG	AA	AA	INTERGENIC		
SNP_73832B_24518	scaffold2748	NW_004517613.1	24518	CC	TT	TT	INTERGENIC		
SNP_73833B_24582	scaffold2748	NW_004517613.1	24582	GG	TT	TT	INTERGENIC		
SNP_73834B_24803	scaffold2748	NW_004517613.1	24803	AA	TT	TT	INTERGENIC		
SNP_73835B_24982	scaffold2748	NW_004517613.1	24982	TT	GG	GG	INTERGENIC		
SNP_73836B_25063	scaffold2748	NW_004517613.1	25063	AA	TT	TT	INTERGENIC		
SNP_73837B_25098	scaffold2748	NW_004517613.1	25098	GG	CC	CC	INTERGENIC		
SNP_73838B_26678	scaffold2748	NW_004517613.1	26678	GG	CC	CC	INTERGENIC		
SNP_73839B_27677	scaffold2748	NW_004517613.1	27677	CC	AA	AA	INTERGENIC		
SNP_73841B_4423	scaffold2758	NW_004517619.1	4423	AA	GG	GG	INTERGENIC		
SNP_73842B_367	scaffold2763	NW_004517623.1	367	TT	CC	CC	INTERGENIC		
SNP_73843B_808	scaffold2763	NW_004517623.1	808	GG	CC	CC	INTERGENIC		
SNP_73844B_9481	scaffold2763	NW_004517623.1	9481	AA	GG	GG	INTERGENIC		
SNP_73846B_9771	scaffold2763	NW_004517623.1	9771	TT	GG	GG	INTERGENIC		
SNP_73847B_54950	scaffold2763	NW_004517623.1	54950	GG	AA	AA	INTERGENIC		
SNP_73848B_74909	scaffold2763	NW_004517623.1	74909	AA	GG	GG	INTERGENIC		
SNP_73850B_442	scaffold2764	NW_004517624.1	442	GG	AA	AA	INTERGENIC		
SNP_73851B_453	scaffold2764	NW_004517624.1	453	GG	AA	AA	INTERGENIC		
SNP_73852B_405	scaffold2766	NW_004517625.1	405	GG	AA	AA	INTERGENIC		
SNP_73853B_13472	scaffold2766	NW_004517625.1	13472	TT	GG	GG	INTERGENIC		
SNP_73854B_13496	scaffold2766	NW_004517625.1	13496	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_73855B_13511	scaffold2766	NW_004517625.1	13511	GG	AA	AA	INTERGENIC		
SNP_73856B_17970	scaffold2766	NW_004517625.1	17970	CC	AA	AA	INTERGENIC		
SNP_73857B_547	scaffold2769	NW_004517626.1	547	TT	CC	CC	INTERGENIC		
SNP_73858B_1762	scaffold2777	NW_004517631.1	1762	CC	TT	TT	INTERGENIC		
SNP_73859B_2062	scaffold2777	NW_004517631.1	2062	GG	AA	AA	INTERGENIC		
SNP_73861B_2496	scaffold2777	NW_004517631.1	2496	AA	GG	GG	INTERGENIC		
SNP_73862B_2827	scaffold2777	NW_004517631.1	2827	TT	CC	CC	INTERGENIC		
SNP_73864B_4487	scaffold2777	NW_004517631.1	4487	AA	TT	TT	INTERGENIC		
SNP_73865B_5023	scaffold2777	NW_004517631.1	5023	TT	AA	AA	INTERGENIC		
SNP_73866B_5418	scaffold2777	NW_004517631.1	5418	CC	GG	GG	INTERGENIC		
SNP_73867B_5943	scaffold2777	NW_004517631.1	5943	TT	CC	CC	INTERGENIC		
SNP_73868B_81	scaffold2778	NW_004517632.1	81	AA	CC	CC	INTERGENIC		
SNP_73869B_84	scaffold2778	NW_004517632.1	84	AA	GG	GG	INTERGENIC		
SNP_73870B_93	scaffold2778	NW_004517632.1	93	CC	TT	TT	INTERGENIC		
SNP_73871B_4249	scaffold2778	NW_004517632.1	4249	GG	AA	AA	INTERGENIC		
SNP_73872B_5341	scaffold2778	NW_004517632.1	5341	GG	TT	TT	INTERGENIC		
SNP_73873B_5366	scaffold2778	NW_004517632.1	5366	GG	AA	AA	INTERGENIC		
SNP_73874B_6633	scaffold2778	NW_004517632.1	6633	CC	GG	GG	INTERGENIC		
SNP_73875B_6901	scaffold2778	NW_004517632.1	6901	CC	TT	TT	INTERGENIC		
SNP_73876B_7036	scaffold2778	NW_004517632.1	7036	GG	CC	CC	INTERGENIC		
SNP_73877B_7239	scaffold2778	NW_004517632.1	7239	TT	CC	CC	INTERGENIC		
SNP_73878B_7252	scaffold2778	NW_004517632.1	7252	TT	GG	GG	INTERGENIC		
SNP_73879B_7349	scaffold2778	NW_004517632.1	7349	GG	AA	AA	INTERGENIC		
SNP_73880B_7419	scaffold2778	NW_004517632.1	7419	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_73881B_7514	scaffold2778	NW_004517632.1	7514	CC	TT	TT	INTERGENIC		
SNP_73882B_11302	scaffold2778	NW_004517632.1	11302	CC	AA	AA	INTERGENIC		
SNP_73883B_11364	scaffold2778	NW_004517632.1	11364	AA	TT	TT	INTERGENIC		
SNP_73884B_11367	scaffold2778	NW_004517632.1	11367	TT	AA	AA	INTERGENIC		
SNP_73885B_11369	scaffold2778	NW_004517632.1	11369	TT	CC	CC	INTERGENIC		
SNP_73886B_11391	scaffold2778	NW_004517632.1	11391	TT	AA	AA	INTERGENIC		
SNP_73887B_1957	scaffold2779	NW_004517633.1	1957	TT	AA	AA	INTERGENIC		
SNP_73888B_1986	scaffold2779	NW_004517633.1	1986	AA	TT	TT	INTERGENIC		
SNP_73889B_2408	scaffold2779	NW_004517633.1	2408	AA	GG	GG	INTERGENIC		
SNP_73890B_2440	scaffold2779	NW_004517633.1	2440	AA	TT	TT	INTERGENIC		
SNP_73891B_6222	scaffold2779	NW_004517633.1	6222	CC	TT	TT	INTERGENIC		
SNP_73892B_6622	scaffold2779	NW_004517633.1	6622	TT	AA	AA	INTERGENIC		
SNP_73895B_7071	scaffold2779	NW_004517633.1	7071	GG	TT	TT	INTERGENIC		
SNP_73896B_11285	scaffold2779	NW_004517633.1	11285	GG	AA	AA	INTERGENIC		
SNP_73897B_17539	scaffold2779	NW_004517633.1	17539	AA	GG	GG	INTERGENIC		
SNP_73898B_17725	scaffold2779	NW_004517633.1	17725	TT	CC	CC	INTERGENIC		
SNP_73899B_17823	scaffold2779	NW_004517633.1	17823	TT	CC	CC	INTERGENIC		
SNP_73900B_17835	scaffold2779	NW_004517633.1	17835	TT	CC	CC	INTERGENIC		
SNP_73901B_17892	scaffold2779	NW_004517633.1	17892	GG	TT	TT	INTERGENIC		
SNP_73902B_17983	scaffold2779	NW_004517633.1	17983	GG	TT	TT	INTERGENIC		
SNP_73903B_18126	scaffold2779	NW_004517633.1	18126	TT	AA	AA	INTERGENIC		
SNP_73904B_4477	scaffold2782	NW_004517635.1	4477	AA	GG	GG	INTERGENIC		
SNP_73905B_4666	scaffold2782	NW_004517635.1	4666	GG	CC	CC	INTERGENIC		
SNP_73906B_4719	scaffold2782	NW_004517635.1	4719	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_73907B_5846	scaffold2782	NW_004517635.1	5846	AA	GG	GG	INTERGENIC		
SNP_73908B_6017	scaffold2782	NW_004517635.1	6017	TT	CC	CC	INTERGENIC		
SNP_73909B_6158	scaffold2782	NW_004517635.1	6158	AA	GG	GG	INTERGENIC		
SNP_73910B_6204	scaffold2782	NW_004517635.1	6204	CC	TT	TT	INTERGENIC		
SNP_73912B_6372	scaffold2782	NW_004517635.1	6372	AA	GG	GG	INTERGENIC		
SNP_73913B_7243	scaffold2782	NW_004517635.1	7243	GG	CC	CC	INTERGENIC		
SNP_73914B_7380	scaffold2782	NW_004517635.1	7380	CC	GG	GG	INTERGENIC		
SNP_73915B_7392	scaffold2782	NW_004517635.1	7392	CC	GG	GG	INTERGENIC		
SNP_73916B_8592	scaffold2782	NW_004517635.1	8592	GG	TT	TT	INTERGENIC		
SNP_73917B_8611	scaffold2782	NW_004517635.1	8611	CC	AA	AA	INTERGENIC		
SNP_73918B_8744	scaffold2782	NW_004517635.1	8744	CC	AA	AA	INTERGENIC		
SNP_73919B_8993	scaffold2782	NW_004517635.1	8993	TT	GG	GG	INTERGENIC		
SNP_73920B_26084	scaffold2782	NW_004517635.1	26084	AA	GG	GG	INTERGENIC		
SNP_73921B_26098	scaffold2782	NW_004517635.1	26098	TT	CC	CC	INTERGENIC		
SNP_73922B_26904	scaffold2782	NW_004517635.1	26904	CC	AA	AA	INTERGENIC		
SNP_73923B_26910	scaffold2782	NW_004517635.1	26910	TT	AA	AA	INTERGENIC		
SNP_73924B_26921	scaffold2782	NW_004517635.1	26921	CC	AA	AA	INTERGENIC		
SNP_73925B_26939	scaffold2782	NW_004517635.1	26939	TT	CC	CC	INTERGENIC		
SNP_73926B_39878	scaffold2782	NW_004517635.1	39878	GG	AA	AA	INTERGENIC		
SNP_73927B_40001	scaffold2782	NW_004517635.1	40001	CC	TT	TT	INTERGENIC		
SNP_73928B_40070	scaffold2782	NW_004517635.1	40070	GG	TT	TT	INTERGENIC		
SNP_73929B_40115	scaffold2782	NW_004517635.1	40115	AA	GG	GG	INTERGENIC		
SNP_73930B_42756	scaffold2782	NW_004517635.1	42756	CC	TT	TT	INTERGENIC		
SNP_73931B_60330	scaffold2782	NW_004517635.1	60330	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_73932B_60366	scaffold2782	NW_004517635.1	60366	GG	AA	AA	INTERGENIC		
SNP_73933B_60579	scaffold2782	NW_004517635.1	60579	AA	CC	CC	INTERGENIC		
SNP_73934B_67460	scaffold2782	NW_004517635.1	67460	CC	AA	AA	INTERGENIC		
SNP_73935B_80321	scaffold2782	NW_004517635.1	80321	CC	TT	TT	INTERGENIC		
SNP_73936B_80337	scaffold2782	NW_004517635.1	80337	TT	GG	GG	INTERGENIC		
SNP_73937B_86348	scaffold2782	NW_004517635.1	86348	TT	AA	AA	INTERGENIC		
SNP_73938B_86725	scaffold2782	NW_004517635.1	86725	TT	GG	GG	INTERGENIC		
SNP_73939B_86742	scaffold2782	NW_004517635.1	86742	GG	AA	AA	INTERGENIC		
SNP_73940B_86946	scaffold2782	NW_004517635.1	86946	GG	AA	AA	INTERGENIC		
SNP_73941B_87065	scaffold2782	NW_004517635.1	87065	TT	CC	CC	INTERGENIC		
SNP_73942B_87312	scaffold2782	NW_004517635.1	87312	TT	AA	AA	INTERGENIC		
SNP_73943B_89762	scaffold2782	NW_004517635.1	89762	GG	AA	AA	INTERGENIC		
SNP_73944B_89904	scaffold2782	NW_004517635.1	89904	AA	CC	CC	INTERGENIC		
SNP_73945B_105935	scaffold2782	NW_004517635.1	105935	AA	GG	GG	INTERGENIC		
SNP_73946B_106025	scaffold2782	NW_004517635.1	106025	AA	TT	TT	INTERGENIC		
SNP_73947B_109199	scaffold2782	NW_004517635.1	109199	TT	CC	CC	INTERGENIC		
SNP_73948B_109306	scaffold2782	NW_004517635.1	109306	AA	CC	CC	INTERGENIC		
SNP_73949B_109421	scaffold2782	NW_004517635.1	109421	GG	AA	AA	INTERGENIC		
SNP_73950B_109479	scaffold2782	NW_004517635.1	109479	TT	GG	GG	INTERGENIC		
SNP_73951B_109667	scaffold2782	NW_004517635.1	109667	GG	AA	AA	INTERGENIC		
SNP_73952B_109693	scaffold2782	NW_004517635.1	109693	AA	CC	CC	INTERGENIC		
SNP_73953B_109740	scaffold2782	NW_004517635.1	109740	CC	AA	AA	INTERGENIC		
SNP_73954B_109772	scaffold2782	NW_004517635.1	109772	TT	CC	CC	INTERGENIC		
SNP_73955B_109920	scaffold2782	NW_004517635.1	109920	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_73956B_109950	scaffold2782	NW_004517635.1	109950	CC	AA	AA	INTERGENIC		
SNP_73957B_111796	scaffold2782	NW_004517635.1	111796	AA	CC	CC	INTERGENIC		
SNP_73958B_111903	scaffold2782	NW_004517635.1	111903	TT	GG	GG	INTERGENIC		
SNP_73959B_2447	scaffold2784	NW_004517637.1	2447	TT	AA	AA	INTERGENIC		
SNP_73960B_2571	scaffold2784	NW_004517637.1	2571	AA	CC	CC	INTERGENIC		
SNP_73961B_2697	scaffold2784	NW_004517637.1	2697	CC	GG	GG	INTERGENIC		
SNP_73962B_2723	scaffold2784	NW_004517637.1	2723	TT	GG	GG	INTERGENIC		
SNP_73963B_2728	scaffold2784	NW_004517637.1	2728	CC	TT	TT	INTERGENIC		
SNP_73964B_14216	scaffold2784	NW_004517637.1	14216	CC	TT	TT	INTERGENIC		
SNP_73965B_14275	scaffold2784	NW_004517637.1	14275	AA	CC	CC	INTERGENIC		
SNP_73966B_2943	scaffold2792	NW_004517642.1	2943	GG	AA	AA	INTERGENIC		
SNP_73967B_13700	scaffold2792	NW_004517642.1	13700	TT	CC	CC	INTERGENIC		
SNP_73968B_13901	scaffold2792	NW_004517642.1	13901	AA	GG	GG	INTERGENIC		
SNP_73969B_13975	scaffold2792	NW_004517642.1	13975	AA	GG	GG	INTERGENIC		
SNP_73970B_14070	scaffold2792	NW_004517642.1	14070	TT	GG	GG	INTERGENIC		
SNP_73971B_14148	scaffold2792	NW_004517642.1	14148	TT	CC	CC	INTERGENIC		
SNP_73972B_14335	scaffold2792	NW_004517642.1	14335	CC	TT	TT	INTERGENIC		
SNP_73973B_14699	scaffold2792	NW_004517642.1	14699	CC	GG	GG	INTERGENIC		
SNP_73974B_14788	scaffold2792	NW_004517642.1	14788	GG	CC	CC	INTERGENIC		
SNP_73975B_1847	scaffold2795	NW_004517645.1	1847	TT	CC	CC	INTERGENIC		
SNP_73976B_1869	scaffold2795	NW_004517645.1	1869	TT	GG	GG	INTERGENIC		
SNP_73977B_2353	scaffold2795	NW_004517645.1	2353	GG	CC	CC	INTERGENIC		
SNP_73978B_2882	scaffold2795	NW_004517645.1	2882	GG	CC	CC	INTERGENIC		
SNP_73979B_2912	scaffold2795	NW_004517645.1	2912	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_73980B_876	scaffold2799	NW_004517648.1	876	CC	GG	GG	INTERGENIC		
SNP_73981B_900	scaffold2799	NW_004517648.1	900	CC	TT	TT	INTERGENIC		
SNP_73982B_903	scaffold2799	NW_004517648.1	903	AA	CC	CC	INTERGENIC		
SNP_73983B_1059	scaffold2799	NW_004517648.1	1059	AA	TT	TT	INTERGENIC		
SNP_73985B_1123	scaffold2799	NW_004517648.1	1123	TT	AA	AA	INTERGENIC		
SNP_73986B_8181	scaffold2799	NW_004517648.1	8181	GG	TT	TT	INTERGENIC		
SNP_73987B_34729	scaffold2799	NW_004517648.1	34729	AA	GG	GG	INTERGENIC		
SNP_73988B_34736	scaffold2799	NW_004517648.1	34736	CC	TT	TT	INTERGENIC		
SNP_73989B_45911	scaffold2799	NW_004517648.1	45911	AA	GG	GG	INTERGENIC		
SNP_73990B_45912	scaffold2799	NW_004517648.1	45912	AA	GG	GG	INTERGENIC		
SNP_73991B_45927	scaffold2799	NW_004517648.1	45927	AA	TT	TT	INTERGENIC		
SNP_73992B_45932	scaffold2799	NW_004517648.1	45932	CC	TT	TT	INTERGENIC		
SNP_73993B_45948	scaffold2799	NW_004517648.1	45948	CC	AA	AA	INTERGENIC		
SNP_73994B_46020	scaffold2799	NW_004517648.1	46020	AA	GG	GG	INTERGENIC		
SNP_73995B_46055	scaffold2799	NW_004517648.1	46055	GG	AA	AA	INTERGENIC		
SNP_73996B_46062	scaffold2799	NW_004517648.1	46062	AA	GG	GG	INTERGENIC		
SNP_73997B_46086	scaffold2799	NW_004517648.1	46086	TT	CC	CC	INTERGENIC		
SNP_73998B_46326	scaffold2799	NW_004517648.1	46326	GG	AA	AA	INTERGENIC		
SNP_73999B_46420	scaffold2799	NW_004517648.1	46420	CC	TT	TT	INTERGENIC		
SNP_74000B_64	scaffold2801	NW_004517650.1	64	AA	CC	CC	INTERGENIC		
SNP_74001B_81	scaffold2801	NW_004517650.1	81	TT	CC	CC	INTERGENIC		
SNP_74002B_1750	scaffold2803	NW_004517652.1	1750	AA	TT	TT	INTERGENIC		
SNP_74003B_12240	scaffold2812	NW_004517657.1	12240	GG	AA	AA	INTERGENIC		
SNP_74004B_16123	scaffold2812	NW_004517657.1	16123	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74006B_16896	scaffold2812	NW_004517657.1	16896	AA	TT	TT	INTERGENIC		
SNP_74007B_17100	scaffold2812	NW_004517657.1	17100	AA	GG	GG	INTERGENIC		
SNP_74008B_18098	scaffold2812	NW_004517657.1	18098	AA	TT	TT	DRR	101489619	G-type lectin S-receptor-like serine/threonine-protein kinase At1g11300
SNP_74009B_18408	scaffold2812	NW_004517657.1	18408	TT	CC	CC	DRR	101489619	G-type lectin S-receptor-like serine/threonine-protein kinase At1g11300
SNP_74010B_21202	scaffold2812	NW_004517657.1	21202	AA	TT	TT	URR	101489619	G-type lectin S-receptor-like serine/threonine-protein kinase At1g11300
SNP_74011B_37919	scaffold2812	NW_004517657.1	37919	AA	TT	TT	INTERGENIC		
SNP_74013B_43443	scaffold2812	NW_004517657.1	43443	GG	AA	AA	INTERGENIC		
SNP_74014B_45524	scaffold2812	NW_004517657.1	45524	TT	AA	AA	INTERGENIC		
SNP_74015B_45671	scaffold2812	NW_004517657.1	45671	TT	AA	AA	INTERGENIC		
SNP_74017B_60636	scaffold2812	NW_004517657.1	60636	CC	TT	TT	INTERGENIC		
SNP_74018B_60643	scaffold2812	NW_004517657.1	60643	GG	AA	AA	INTERGENIC		
SNP_74019B_2877	scaffold2813	NW_004517658.1	2877	CC	TT	TT	INTERGENIC		
SNP_74020B_1148	scaffold2815	NW_004517659.1	1148	AA	TT	TT	INTERGENIC		
SNP_74021B_1162	scaffold2815	NW_004517659.1	1162	GG	AA	AA	INTERGENIC		
SNP_74022B_1167	scaffold2815	NW_004517659.1	1167	CC	TT	TT	INTERGENIC		
SNP_74023B_28525	scaffold2815	NW_004517659.1	28525	AA	TT	TT	INTERGENIC		
SNP_74024B_29618	scaffold2815	NW_004517659.1	29618	AA	GG	GG	INTERGENIC		
SNP_74025B_70895	scaffold2815	NW_004517659.1	70895	TT	CC	CC	INTERGENIC		
SNP_74026B_70951	scaffold2815	NW_004517659.1	70951	GG	AA	AA	INTERGENIC		
SNP_74027B_70986	scaffold2815	NW_004517659.1	70986	TT	AA	AA	INTERGENIC		
SNP_74028B_71066	scaffold2815	NW_004517659.1	71066	TT	CC	CC	INTERGENIC		
SNP_74029B_71085	scaffold2815	NW_004517659.1	71085	AA	CC	CC	INTERGENIC		
SNP_74030B_71241	scaffold2815	NW_004517659.1	71241	GG	AA	AA	INTERGENIC		
SNP_74032B_71354	scaffold2815	NW_004517659.1	71354	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74033B_71399	scaffold2815	NW_004517659.1	71399	GG	AA	AA	INTERGENIC		
SNP_74034B_71411	scaffold2815	NW_004517659.1	71411	TT	CC	CC	INTERGENIC		
SNP_74035B_71439	scaffold2815	NW_004517659.1	71439	CC	TT	TT	INTERGENIC		
SNP_74036B_71533	scaffold2815	NW_004517659.1	71533	TT	CC	CC	INTERGENIC		
SNP_74037B_71846	scaffold2815	NW_004517659.1	71846	CC	TT	TT	INTERGENIC		
SNP_74038B_71920	scaffold2815	NW_004517659.1	71920	GG	TT	TT	INTERGENIC		
SNP_74039B_83193	scaffold2815	NW_004517659.1	83193	GG	AA	AA	INTERGENIC		
SNP_74040B_882	scaffold2817	NW_004517661.1	882	GG	AA	AA	INTERGENIC		
SNP_74041B_895	scaffold2817	NW_004517661.1	895	AA	GG	GG	INTERGENIC		
SNP_74042B_926	scaffold2817	NW_004517661.1	926	AA	GG	GG	INTERGENIC		
SNP_74043B_11263	scaffold2819	NW_004517663.1	11263	AA	GG	GG	INTERGENIC		
SNP_74044B_12314	scaffold2819	NW_004517663.1	12314	AA	GG	GG	INTERGENIC		
SNP_74045B_12539	scaffold2819	NW_004517663.1	12539	TT	CC	CC	INTERGENIC		
SNP_74046B_12551	scaffold2819	NW_004517663.1	12551	TT	AA	AA	INTERGENIC		
SNP_74047B_12615	scaffold2819	NW_004517663.1	12615	CC	AA	AA	INTERGENIC		
SNP_74048B_12655	scaffold2819	NW_004517663.1	12655	CC	AA	AA	INTERGENIC		
SNP_74049B_12689	scaffold2819	NW_004517663.1	12689	TT	CC	CC	INTERGENIC		
SNP_74050B_12825	scaffold2819	NW_004517663.1	12825	AA	GG	GG	INTERGENIC		
SNP_74051B_12833	scaffold2819	NW_004517663.1	12833	TT	CC	CC	INTERGENIC		
SNP_74052B_12935	scaffold2819	NW_004517663.1	12935	TT	CC	CC	INTERGENIC		
SNP_74053B_13026	scaffold2819	NW_004517663.1	13026	AA	GG	GG	INTERGENIC		
SNP_74054B_13082	scaffold2819	NW_004517663.1	13082	AA	GG	GG	INTERGENIC		
SNP_74055B_13085	scaffold2819	NW_004517663.1	13085	AA	TT	TT	INTERGENIC		
SNP_74056B_13098	scaffold2819	NW_004517663.1	13098	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74057B_13126	scaffold2819	NW_004517663.1	13126	TT	CC	CC	INTERGENIC		
SNP_74058B_18505	scaffold2819	NW_004517663.1	18505	AA	GG	GG	INTERGENIC		
SNP_74059B_18836	scaffold2819	NW_004517663.1	18836	AA	GG	GG	INTERGENIC		
SNP_74060B_18917	scaffold2819	NW_004517663.1	18917	TT	CC	CC	INTERGENIC		
SNP_74061B_18919	scaffold2819	NW_004517663.1	18919	AA	GG	GG	INTERGENIC		
SNP_74062B_12213	scaffold2823	NW_004517666.1	12213	TT	CC	CC	INTERGENIC		
SNP_74063B_12225	scaffold2823	NW_004517666.1	12225	TT	AA	AA	INTERGENIC		
SNP_74064B_12238	scaffold2823	NW_004517666.1	12238	TT	AA	AA	INTERGENIC		
SNP_74065B_12243	scaffold2823	NW_004517666.1	12243	AA	TT	TT	INTERGENIC		
SNP_74066B_12246	scaffold2823	NW_004517666.1	12246	CC	TT	TT	INTERGENIC		
SNP_74067B_5689	scaffold2824	NW_004517667.1	5689	TT	CC	CC	INTERGENIC		
SNP_74068B_5779	scaffold2824	NW_004517667.1	5779	CC	AA	AA	INTERGENIC		
SNP_74069B_5933	scaffold2824	NW_004517667.1	5933	TT	CC	CC	INTERGENIC		
SNP_74070B_5936	scaffold2824	NW_004517667.1	5936	TT	CC	CC	INTERGENIC		
SNP_74071B_998	scaffold2825	NW_004517668.1	998	AA	TT	TT	INTERGENIC		
SNP_74072B_9608	scaffold2829	NW_004517670.1	9608	CC	GG	GG	INTERGENIC		
SNP_74073B_349	scaffold2833	NW_004517672.1	349	GG	AA	AA	INTERGENIC		
SNP_74074B_735	scaffold2833	NW_004517672.1	735	GG	AA	AA	INTERGENIC		
SNP_74075B_736	scaffold2833	NW_004517672.1	736	AA	GG	GG	INTERGENIC		
SNP_74076B_6667	scaffold2834	NW_004517673.1	6667	TT	CC	CC	INTERGENIC		
SNP_74077B_6938	scaffold2834	NW_004517673.1	6938	AA	GG	GG	INTERGENIC		
SNP_74078B_6947	scaffold2834	NW_004517673.1	6947	AA	TT	TT	INTERGENIC		
SNP_74079B_7027	scaffold2834	NW_004517673.1	7027	TT	AA	AA	INTERGENIC		
SNP_74080B_7030	scaffold2834	NW_004517673.1	7030	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74081B_2643	scaffold2835	NW_004517674.1	2643	AA	GG	GG	INTERGENIC		
SNP_74082B_2676	scaffold2835	NW_004517674.1	2676	CC	TT	TT	INTERGENIC		
SNP_74083B_3006	scaffold2835	NW_004517674.1	3006	AA	GG	GG	INTERGENIC		
SNP_74084B_3035	scaffold2835	NW_004517674.1	3035	AA	TT	TT	INTERGENIC		
SNP_74085B_5408	scaffold2835	NW_004517674.1	5408	TT	CC	CC	INTERGENIC		
SNP_74086B_5569	scaffold2835	NW_004517674.1	5569	TT	AA	AA	INTERGENIC		
SNP_74087B_61839	scaffold2837	NW_004517676.1	61839	GG	AA	AA	INTERGENIC		
SNP_74088B_62410	scaffold2837	NW_004517676.1	62410	AA	GG	GG	INTERGENIC		
SNP_74089B_716	scaffold2842	NW_004517681.1	716	CC	AA	AA	INTERGENIC		
SNP_74090B_981	scaffold2842	NW_004517681.1	981	GG	TT	TT	INTERGENIC		
SNP_74091B_1019	scaffold2842	NW_004517681.1	1019	AA	GG	GG	INTERGENIC		
SNP_74093B_3298	scaffold2845	NW_004517683.1	3298	CC	TT	TT	INTERGENIC		
SNP_74094B_3306	scaffold2845	NW_004517683.1	3306	AA	GG	GG	INTERGENIC		
SNP_74095B_18140	scaffold2845	NW_004517683.1	18140	TT	CC	CC	INTERGENIC		
SNP_74096B_16834	scaffold2848	NW_004517686.1	16834	AA	TT	TT	INTERGENIC		
SNP_74097B_54164	scaffold2848	NW_004517686.1	54164	AA	GG	GG	INTERGENIC		
SNP_74098B_1431	scaffold2851	NW_004517688.1	1431	CC	TT	TT	INTERGENIC		
SNP_74099B_1433	scaffold2851	NW_004517688.1	1433	AA	GG	GG	INTERGENIC		
SNP_74100B_1729	scaffold2851	NW_004517688.1	1729	CC	GG	GG	INTERGENIC		
SNP_74101B_1752	scaffold2851	NW_004517688.1	1752	TT	GG	GG	INTERGENIC		
SNP_74102B_3672	scaffold2852	NW_004517689.1	3672	CC	AA	AA	INTERGENIC		
SNP_74103B_4178	scaffold2852	NW_004517689.1	4178	CC	TT	TT	INTERGENIC		
SNP_74104B_19650	scaffold2852	NW_004517689.1	19650	TT	AA	AA	INTERGENIC		
SNP_74106B_9723	scaffold2853	NW_004517690.1	9723	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74107B_9754	scaffold2853	NW_004517690.1	9754	GG	AA	AA	INTERGENIC		
SNP_74108B_11804	scaffold2853	NW_004517690.1	11804	GG	TT	TT	INTERGENIC		
SNP_74109B_12104	scaffold2853	NW_004517690.1	12104	TT	CC	CC	INTERGENIC		
SNP_74110B_12143	scaffold2853	NW_004517690.1	12143	AA	TT	TT	INTERGENIC		
SNP_74111B_12176	scaffold2853	NW_004517690.1	12176	AA	CC	CC	INTERGENIC		
SNP_74112B_12202	scaffold2853	NW_004517690.1	12202	TT	GG	GG	INTERGENIC		
SNP_74113B_12349	scaffold2853	NW_004517690.1	12349	CC	TT	TT	INTERGENIC		
SNP_74114B_15953	scaffold2853	NW_004517690.1	15953	GG	AA	AA	INTERGENIC		
SNP_74115B_15964	scaffold2853	NW_004517690.1	15964	AA	TT	TT	INTERGENIC		
SNP_74116B_16204	scaffold2853	NW_004517690.1	16204	GG	AA	AA	INTERGENIC		
SNP_74117B_16283	scaffold2853	NW_004517690.1	16283	TT	CC	CC	INTERGENIC		
SNP_74118B_16287	scaffold2853	NW_004517690.1	16287	AA	GG	GG	INTERGENIC		
SNP_74119B_16311	scaffold2853	NW_004517690.1	16311	CC	TT	TT	INTERGENIC		
SNP_74120B_16459	scaffold2853	NW_004517690.1	16459	TT	GG	GG	INTERGENIC		
SNP_74121B_16471	scaffold2853	NW_004517690.1	16471	TT	GG	GG	INTERGENIC		
SNP_74122B_16478	scaffold2853	NW_004517690.1	16478	TT	GG	GG	INTERGENIC		
SNP_74123B_16485	scaffold2853	NW_004517690.1	16485	TT	GG	GG	INTERGENIC		
SNP_74124B_16492	scaffold2853	NW_004517690.1	16492	GG	TT	TT	INTERGENIC		
SNP_74125B_16499	scaffold2853	NW_004517690.1	16499	TT	GG	GG	INTERGENIC		
SNP_74126B_16541	scaffold2853	NW_004517690.1	16541	AA	GG	GG	INTERGENIC		
SNP_74127B_16569	scaffold2853	NW_004517690.1	16569	TT	CC	CC	INTERGENIC		
SNP_74128B_16795	scaffold2853	NW_004517690.1	16795	CC	TT	TT	INTERGENIC		
SNP_74129B_16806	scaffold2853	NW_004517690.1	16806	AA	CC	CC	INTERGENIC		
SNP_74130B_16829	scaffold2853	NW_004517690.1	16829	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74131B_17025	scaffold2853	NW_004517690.1	17025	TT	CC	CC	INTERGENIC		
SNP_74133B_21452	scaffold2853	NW_004517690.1	21452	AA	GG	GG	INTERGENIC		
SNP_74134B_21576	scaffold2853	NW_004517690.1	21576	AA	TT	TT	INTERGENIC		
SNP_74135B_21607	scaffold2853	NW_004517690.1	21607	AA	TT	TT	INTERGENIC		
SNP_74136B_25918	scaffold2853	NW_004517690.1	25918	AA	GG	GG	INTERGENIC		
SNP_74137B_142	scaffold2861	NW_004517695.1	142	CC	GG	GG	INTERGENIC		
SNP_74138B_572	scaffold2861	NW_004517695.1	572	TT	CC	CC	INTERGENIC		
SNP_74139B_9616	scaffold2861	NW_004517695.1	9616	TT	CC	CC	INTERGENIC		
SNP_74140B_1347	scaffold2863	NW_004517696.1	1347	CC	GG	GG	INTERGENIC		
SNP_74141B_2212	scaffold2863	NW_004517696.1	2212	TT	AA	AA	INTERGENIC		
SNP_74143B_2238	scaffold2863	NW_004517696.1	2238	TT	AA	AA	INTERGENIC		
SNP_74145B_30212	scaffold2869	NW_004517700.1	30212	GG	AA	AA	URR	101494274	serine carboxypeptidase-like 45
SNP_74146B_30241	scaffold2869	NW_004517700.1	30241	AA	GG	GG	URR	101494274	serine carboxypeptidase-like 45
SNP_74147B_30725	scaffold2869	NW_004517700.1	30725	GG	AA	AA	INTERGENIC		
SNP_74148B_272	scaffold2870	NW_004517701.1	272	CC	TT	TT	INTERGENIC		
SNP_74149B_558	scaffold2870	NW_004517701.1	558	CC	TT	TT	INTERGENIC		
SNP_74150B_561	scaffold2870	NW_004517701.1	561	GG	AA	AA	INTERGENIC		
SNP_74151B_12615	scaffold2871	NW_004517702.1	12615	TT	GG	GG	INTERGENIC		
SNP_74152B_12665	scaffold2871	NW_004517702.1	12665	CC	AA	AA	INTERGENIC		
SNP_74153B_23421	scaffold2871	NW_004517702.1	23421	GG	TT	TT	INTERGENIC		
SNP_74154B_23422	scaffold2871	NW_004517702.1	23422	CC	TT	TT	INTERGENIC		
SNP_74156B_30425	scaffold2871	NW_004517702.1	30425	TT	CC	CC	INTERGENIC		
SNP_74157B_34809	scaffold2871	NW_004517702.1	34809	CC	AA	AA	INTERGENIC		
SNP_74158B_1876	scaffold2876	NW_004517707.1	1876	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74159B_962	scaffold2878	NW_004517708.1	962	CC	GG	GG	INTERGENIC		
SNP_74160B_26118	scaffold2882	NW_004517712.1	26118	AA	TT	TT	INTERGENIC		
SNP_74161B_26184	scaffold2882	NW_004517712.1	26184	CC	AA	AA	INTERGENIC		
SNP_74162B_26193	scaffold2882	NW_004517712.1	26193	TT	GG	GG	INTERGENIC		
SNP_74163B_26194	scaffold2882	NW_004517712.1	26194	AA	TT	TT	INTERGENIC		
SNP_74166B_3512	scaffold2888	NW_004517718.1	3512	TT	AA	AA	URR	101496645	uncharacterized LOC101496645
SNP_74167B_3639	scaffold2888	NW_004517718.1	3639	TT	CC	CC	URR	101496645	uncharacterized LOC101496645
SNP_74168B_10381	scaffold2893	NW_004517721.1	10381	AA	GG	GG	INTERGENIC		
SNP_74169B_10537	scaffold2893	NW_004517721.1	10537	CC	TT	TT	INTERGENIC		
SNP_74170B_10639	scaffold2893	NW_004517721.1	10639	CC	TT	TT	INTERGENIC		
SNP_74172B_10722	scaffold2893	NW_004517721.1	10722	AA	GG	GG	INTERGENIC		
SNP_74173B_25846	scaffold2893	NW_004517721.1	25846	CC	GG	GG	INTERGENIC		
SNP_74174B_25997	scaffold2893	NW_004517721.1	25997	TT	CC	CC	INTERGENIC		
SNP_74175B_26125	scaffold2893	NW_004517721.1	26125	GG	AA	AA	INTERGENIC		
SNP_74176B_26286	scaffold2893	NW_004517721.1	26286	AA	TT	TT	INTERGENIC		
SNP_74177B_26344	scaffold2893	NW_004517721.1	26344	TT	AA	AA	INTERGENIC		
SNP_74178B_26371	scaffold2893	NW_004517721.1	26371	GG	AA	AA	INTERGENIC		
SNP_74179B_26704	scaffold2893	NW_004517721.1	26704	TT	GG	GG	INTERGENIC		
SNP_74180B_27176	scaffold2893	NW_004517721.1	27176	GG	CC	CC	INTERGENIC		
SNP_74181B_27191	scaffold2893	NW_004517721.1	27191	GG	TT	TT	INTERGENIC		
SNP_74182B_27237	scaffold2893	NW_004517721.1	27237	CC	TT	TT	INTERGENIC		
SNP_74183B_27316	scaffold2893	NW_004517721.1	27316	AA	GG	GG	INTERGENIC		
SNP_74184B_27538	scaffold2893	NW_004517721.1	27538	TT	CC	CC	DRR	101497293	uncharacterized LOC101497293
SNP_74185B_27598	scaffold2893	NW_004517721.1	27598	AA	GG	GG	DRR	101497293	uncharacterized LOC101497293

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74186B_36313	scaffold2896	NW_004517723.1	36313	GG	AA	AA	INTERGENIC		
SNP_74187B_54322	scaffold2896	NW_004517723.1	54322	CC	AA	AA	INTERGENIC		
SNP_74188B_1837	scaffold2900	NW_004517727.1	1837	TT	AA	AA	INTERGENIC		
SNP_74189B_2036	scaffold2900	NW_004517727.1	2036	TT	CC	CC	INTERGENIC		
SNP_74190B_2134	scaffold2900	NW_004517727.1	2134	GG	CC	CC	INTERGENIC		
SNP_74191B_5179	scaffold2900	NW_004517727.1	5179	TT	AA	AA	INTERGENIC		
SNP_74192B_5298	scaffold2900	NW_004517727.1	5298	AA	CC	CC	INTERGENIC		
SNP_74193B_7046	scaffold2900	NW_004517727.1	7046	GG	AA	AA	INTERGENIC		
SNP_74194B_7198	scaffold2900	NW_004517727.1	7198	TT	CC	CC	INTERGENIC		
SNP_74195B_7480	scaffold2900	NW_004517727.1	7480	CC	AA	AA	INTERGENIC		
SNP_74196B_7681	scaffold2900	NW_004517727.1	7681	TT	GG	GG	INTERGENIC		
SNP_74197B_7823	scaffold2900	NW_004517727.1	7823	GG	TT	TT	INTERGENIC		
SNP_74199B_8196	scaffold2900	NW_004517727.1	8196	AA	GG	GG	INTERGENIC		
SNP_74200B_8214	scaffold2900	NW_004517727.1	8214	CC	GG	GG	INTERGENIC		
SNP_74201B_8334	scaffold2900	NW_004517727.1	8334	TT	CC	CC	INTERGENIC		
SNP_74202B_9568	scaffold2900	NW_004517727.1	9568	TT	CC	CC	INTERGENIC		
SNP_74203B_9570	scaffold2900	NW_004517727.1	9570	CC	TT	TT	INTERGENIC		
SNP_74204B_13284	scaffold2900	NW_004517727.1	13284	GG	TT	TT	INTERGENIC		
SNP_74205B_13360	scaffold2900	NW_004517727.1	13360	CC	GG	GG	INTERGENIC		
SNP_74206B_13488	scaffold2900	NW_004517727.1	13488	GG	TT	TT	INTERGENIC		
SNP_74207B_4242	scaffold2904	NW_004517730.1	4242	TT	CC	CC	INTERGENIC		
SNP_74208B_4258	scaffold2904	NW_004517730.1	4258	CC	AA	AA	INTERGENIC		
SNP_74209B_4321	scaffold2904	NW_004517730.1	4321	CC	TT	TT	INTERGENIC		
SNP_74210B_4329	scaffold2904	NW_004517730.1	4329	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74211B_6007	scaffold2904	NW_004517730.1	6007	CC	TT	TT	INTERGENIC		
SNP_74212B_6058	scaffold2904	NW_004517730.1	6058	AA	GG	GG	INTERGENIC		
SNP_74213B_6070	scaffold2904	NW_004517730.1	6070	AA	GG	GG	INTERGENIC		
SNP_74214B_6208	scaffold2904	NW_004517730.1	6208	CC	TT	TT	INTERGENIC		
SNP_74215B_30837	scaffold2907	NW_004517733.1	30837	CC	GG	GG	INTERGENIC		
SNP_74216B_4281	scaffold2914	NW_004517737.1	4281	AA	CC	CC	INTERGENIC		
SNP_74217B_4300	scaffold2914	NW_004517737.1	4300	AA	GG	GG	INTERGENIC		
SNP_74218B_4301	scaffold2914	NW_004517737.1	4301	TT	CC	CC	INTERGENIC		
SNP_74219B_4318	scaffold2914	NW_004517737.1	4318	TT	CC	CC	INTERGENIC		
SNP_74220B_4352	scaffold2914	NW_004517737.1	4352	AA	GG	GG	INTERGENIC		
SNP_74221B_4358	scaffold2914	NW_004517737.1	4358	AA	GG	GG	INTERGENIC		
SNP_74222B_4369	scaffold2914	NW_004517737.1	4369	AA	TT	TT	INTERGENIC		
SNP_74223B_4381	scaffold2914	NW_004517737.1	4381	AA	GG	GG	INTERGENIC		
SNP_74224B_4384	scaffold2914	NW_004517737.1	4384	AA	GG	GG	INTERGENIC		
SNP_74225B_4397	scaffold2914	NW_004517737.1	4397	AA	GG	GG	INTERGENIC		
SNP_74226B_4400	scaffold2914	NW_004517737.1	4400	AA	GG	GG	INTERGENIC		
SNP_74227B_4436	scaffold2914	NW_004517737.1	4436	AA	GG	GG	INTERGENIC		
SNP_74228B_4459	scaffold2914	NW_004517737.1	4459	AA	GG	GG	INTERGENIC		
SNP_74229B_4462	scaffold2914	NW_004517737.1	4462	AA	GG	GG	INTERGENIC		
SNP_74230B_4468	scaffold2914	NW_004517737.1	4468	GG	AA	AA	INTERGENIC		
SNP_74231B_4473	scaffold2914	NW_004517737.1	4473	AA	GG	GG	INTERGENIC		
SNP_74232B_4490	scaffold2914	NW_004517737.1	4490	AA	CC	CC	INTERGENIC		
SNP_74233B_4501	scaffold2914	NW_004517737.1	4501	AA	GG	GG	INTERGENIC		
SNP_74234B_4803	scaffold2914	NW_004517737.1	4803	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74236B_9439	scaffold2915	NW_004517738.1	9439	AA	TT	TT	INTERGENIC		
SNP_74237B_14255	scaffold2916	NW_004517739.1	14255	GG	AA	AA	INTERGENIC		
SNP_74238B_14257	scaffold2916	NW_004517739.1	14257	GG	TT	TT	INTERGENIC		
SNP_74239B_14258	scaffold2916	NW_004517739.1	14258	AA	TT	TT	INTERGENIC		
SNP_74240B_14261	scaffold2916	NW_004517739.1	14261	AA	CC	CC	INTERGENIC		
SNP_74241B_14262	scaffold2916	NW_004517739.1	14262	AA	TT	TT	INTERGENIC		
SNP_74242B_14263	scaffold2916	NW_004517739.1	14263	TT	AA	AA	INTERGENIC		
SNP_74243B_15830	scaffold2916	NW_004517739.1	15830	CC	TT	TT	INTERGENIC		
SNP_74244B_20878	scaffold2916	NW_004517739.1	20878	TT	AA	AA	INTERGENIC		
SNP_74245B_8695	scaffold2919	NW_004517742.1	8695	AA	TT	TT	INTERGENIC		
SNP_74246B_1640	scaffold2921	NW_004517744.1	1640	CC	TT	TT	INTERGENIC		
SNP_74247B_1811	scaffold2921	NW_004517744.1	1811	AA	GG	GG	INTERGENIC		
SNP_74248B_2082	scaffold2921	NW_004517744.1	2082	AA	GG	GG	INTERGENIC		
SNP_74249B_8931	scaffold2921	NW_004517744.1	8931	TT	GG	GG	INTERGENIC		
SNP_74250B_8940	scaffold2921	NW_004517744.1	8940	AA	GG	GG	INTERGENIC		
SNP_74251B_8955	scaffold2921	NW_004517744.1	8955	GG	CC	CC	INTERGENIC		
SNP_74252B_9260	scaffold2921	NW_004517744.1	9260	GG	AA	AA	INTERGENIC		
SNP_74253B_11312	scaffold2921	NW_004517744.1	11312	TT	CC	CC	INTERGENIC		
SNP_74254B_5335	scaffold2922	NW_004517745.1	5335	CC	GG	GG	INTERGENIC		
SNP_74255B_6585	scaffold2922	NW_004517745.1	6585	AA	TT	TT	INTERGENIC		
SNP_74256B_6758	scaffold2922	NW_004517745.1	6758	CC	TT	TT	INTERGENIC		
SNP_74257B_7102	scaffold2922	NW_004517745.1	7102	TT	CC	CC	INTERGENIC		
SNP_74258B_7461	scaffold2922	NW_004517745.1	7461	TT	CC	CC	INTERGENIC		
SNP_74260B_7557	scaffold2922	NW_004517745.1	7557	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74261B_7919	scaffold2922	NW_004517745.1	7919	GG	AA	AA	INTERGENIC		
SNP_74262B_8048	scaffold2922	NW_004517745.1	8048	CC	TT	TT	INTERGENIC		
SNP_74263B_8142	scaffold2922	NW_004517745.1	8142	AA	GG	GG	INTERGENIC		
SNP_74264B_8213	scaffold2922	NW_004517745.1	8213	TT	CC	CC	INTERGENIC		
SNP_74265B_8218	scaffold2922	NW_004517745.1	8218	GG	AA	AA	INTERGENIC		
SNP_74267B_8407	scaffold2922	NW_004517745.1	8407	AA	CC	CC	INTERGENIC		
SNP_74268B_8419	scaffold2922	NW_004517745.1	8419	CC	TT	TT	INTERGENIC		
SNP_74269B_8492	scaffold2922	NW_004517745.1	8492	CC	AA	AA	INTERGENIC		
SNP_74270B_8566	scaffold2922	NW_004517745.1	8566	GG	TT	TT	INTERGENIC		
SNP_74271B_8891	scaffold2922	NW_004517745.1	8891	CC	TT	TT	INTERGENIC		
SNP_74272B_143	scaffold2924	NW_004517746.1	143	CC	AA	AA	INTERGENIC		
SNP_74273B_168	scaffold2924	NW_004517746.1	168	AA	CC	CC	INTERGENIC		
SNP_74275B_11979	scaffold2924	NW_004517746.1	11979	AA	TT	TT	INTERGENIC		
SNP_74276B_12042	scaffold2924	NW_004517746.1	12042	TT	CC	CC	INTERGENIC		
SNP_74277B_16071	scaffold2924	NW_004517746.1	16071	AA	CC	CC	INTERGENIC		
SNP_74278B_16326	scaffold2924	NW_004517746.1	16326	CC	AA	AA	INTERGENIC		
SNP_74279B_16485	scaffold2924	NW_004517746.1	16485	CC	GG	GG	INTERGENIC		
SNP_74280B_1958	scaffold2928	NW_004517749.1	1958	AA	CC	CC	INTERGENIC		
SNP_74281B_2171	scaffold2928	NW_004517749.1	2171	AA	GG	GG	INTERGENIC		
SNP_74282B_2314	scaffold2928	NW_004517749.1	2314	CC	TT	TT	INTERGENIC		
SNP_74283B_2408	scaffold2928	NW_004517749.1	2408	CC	AA	AA	INTERGENIC		
SNP_74284B_2672	scaffold2928	NW_004517749.1	2672	TT	GG	GG	INTERGENIC		
SNP_74285B_7123	scaffold2928	NW_004517749.1	7123	TT	AA	AA	INTERGENIC		
SNP_74286B_7164	scaffold2928	NW_004517749.1	7164	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74287B_7183	scaffold2928	NW_004517749.1	7183	GG	AA	AA	INTERGENIC		
SNP_74288B_7189	scaffold2928	NW_004517749.1	7189	GG	AA	AA	INTERGENIC		
SNP_74289B_7201	scaffold2928	NW_004517749.1	7201	CC	TT	TT	INTERGENIC		
SNP_74290B_7222	scaffold2928	NW_004517749.1	7222	TT	AA	AA	INTERGENIC		
SNP_74291B_8127	scaffold2928	NW_004517749.1	8127	GG	AA	AA	INTERGENIC		
SNP_74292B_12996	scaffold2928	NW_004517749.1	12996	GG	CC	CC	INTERGENIC		
SNP_74293B_16246	scaffold2928	NW_004517749.1	16246	TT	CC	CC	INTERGENIC		
SNP_74295B_22961	scaffold2928	NW_004517749.1	22961	CC	TT	TT	INTERGENIC		
SNP_74296B_22984	scaffold2928	NW_004517749.1	22984	AA	GG	GG	INTERGENIC		
SNP_74297B_23054	scaffold2928	NW_004517749.1	23054	AA	TT	TT	INTERGENIC		
SNP_74298B_23061	scaffold2928	NW_004517749.1	23061	TT	GG	GG	INTERGENIC		
SNP_74299B_23156	scaffold2928	NW_004517749.1	23156	AA	TT	TT	INTERGENIC		
SNP_74300B_23179	scaffold2928	NW_004517749.1	23179	GG	CC	CC	INTERGENIC		
SNP_74301B_23192	scaffold2928	NW_004517749.1	23192	AA	GG	GG	INTERGENIC		
SNP_74302B_23349	scaffold2928	NW_004517749.1	23349	AA	CC	CC	INTERGENIC		
SNP_74303B_23474	scaffold2928	NW_004517749.1	23474	TT	AA	AA	INTERGENIC		
SNP_74304B_23510	scaffold2928	NW_004517749.1	23510	GG	TT	TT	INTERGENIC		
SNP_74305B_23520	scaffold2928	NW_004517749.1	23520	TT	AA	AA	INTERGENIC		
SNP_74306B_23631	scaffold2928	NW_004517749.1	23631	AA	CC	CC	INTERGENIC		
SNP_74307B_23661	scaffold2928	NW_004517749.1	23661	GG	AA	AA	INTERGENIC		
SNP_74309B_23739	scaffold2928	NW_004517749.1	23739	TT	CC	CC	INTERGENIC		
SNP_74310B_23745	scaffold2928	NW_004517749.1	23745	TT	CC	CC	INTERGENIC		
SNP_74311B_23816	scaffold2928	NW_004517749.1	23816	TT	CC	CC	INTERGENIC		
SNP_74312B_23839	scaffold2928	NW_004517749.1	23839	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74313B_23850	scaffold2928	NW_004517749.1	23850	GG	CC	CC	INTERGENIC		
SNP_74314B_23854	scaffold2928	NW_004517749.1	23854	TT	CC	CC	INTERGENIC		
SNP_74315B_23880	scaffold2928	NW_004517749.1	23880	GG	AA	AA	INTERGENIC		
SNP_74316B_23900	scaffold2928	NW_004517749.1	23900	TT	CC	CC	INTERGENIC		
SNP_74317B_23946	scaffold2928	NW_004517749.1	23946	AA	TT	TT	INTERGENIC		
SNP_74318B_24034	scaffold2928	NW_004517749.1	24034	TT	AA	AA	INTERGENIC		
SNP_74319B_24299	scaffold2928	NW_004517749.1	24299	GG	TT	TT	INTERGENIC		
SNP_74320B_24323	scaffold2928	NW_004517749.1	24323	TT	CC	CC	INTERGENIC		
SNP_74321B_24401	scaffold2928	NW_004517749.1	24401	GG	AA	AA	INTERGENIC		
SNP_74322B_24487	scaffold2928	NW_004517749.1	24487	AA	GG	GG	INTERGENIC		
SNP_74323B_24661	scaffold2928	NW_004517749.1	24661	GG	AA	AA	INTERGENIC		
SNP_74324B_24696	scaffold2928	NW_004517749.1	24696	GG	TT	TT	INTERGENIC		
SNP_74325B_24830	scaffold2928	NW_004517749.1	24830	GG	AA	AA	INTERGENIC		
SNP_74326B_24912	scaffold2928	NW_004517749.1	24912	AA	GG	GG	INTERGENIC		
SNP_74327B_24987	scaffold2928	NW_004517749.1	24987	AA	TT	TT	INTERGENIC		
SNP_74328B_25018	scaffold2928	NW_004517749.1	25018	CC	TT	TT	INTERGENIC		
SNP_74329B_25023	scaffold2928	NW_004517749.1	25023	CC	TT	TT	INTERGENIC		
SNP_74330B_25042	scaffold2928	NW_004517749.1	25042	AA	CC	CC	INTERGENIC		
SNP_74331B_25372	scaffold2928	NW_004517749.1	25372	CC	AA	AA	INTERGENIC		
SNP_74332B_30936	scaffold2928	NW_004517749.1	30936	CC	TT	TT	INTERGENIC		
SNP_74333B_31836	scaffold2928	NW_004517749.1	31836	TT	GG	GG	INTERGENIC		
SNP_74334B_34974	scaffold2928	NW_004517749.1	34974	CC	TT	TT	INTERGENIC		
SNP_74335B_35666	scaffold2928	NW_004517749.1	35666	AA	GG	GG	INTERGENIC		
SNP_74336B_37206	scaffold2928	NW_004517749.1	37206	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74337B_43472	scaffold2928	NW_004517749.1	43472	AA	TT	TT	INTERGENIC		
SNP_74338B_43818	scaffold2928	NW_004517749.1	43818	TT	CC	CC	INTERGENIC		
SNP_74339B_43833	scaffold2928	NW_004517749.1	43833	GG	TT	TT	INTERGENIC		
SNP_74340B_43952	scaffold2928	NW_004517749.1	43952	AA	CC	CC	INTERGENIC		
SNP_74341B_44257	scaffold2928	NW_004517749.1	44257	TT	CC	CC	INTERGENIC		
SNP_74342B_44402	scaffold2928	NW_004517749.1	44402	GG	AA	AA	INTERGENIC		
SNP_74343B_44571	scaffold2928	NW_004517749.1	44571	GG	AA	AA	INTERGENIC		
SNP_74344B_44587	scaffold2928	NW_004517749.1	44587	TT	AA	AA	INTERGENIC		
SNP_74345B_44595	scaffold2928	NW_004517749.1	44595	AA	GG	GG	INTERGENIC		
SNP_74346B_44898	scaffold2928	NW_004517749.1	44898	AA	CC	CC	INTERGENIC		
SNP_74347B_706	scaffold2930	NW_004517750.1	706	AA	CC	CC	INTERGENIC		
SNP_74349B_1869	scaffold2932	NW_004517752.1	1869	GG	TT	TT	INTERGENIC		
SNP_74350B_2243	scaffold2932	NW_004517752.1	2243	GG	CC	CC	INTERGENIC		
SNP_74352B_2417	scaffold2932	NW_004517752.1	2417	AA	TT	TT	INTERGENIC		
SNP_74353B_3014	scaffold2932	NW_004517752.1	3014	GG	AA	AA	INTERGENIC		
SNP_74354B_3079	scaffold2932	NW_004517752.1	3079	TT	CC	CC	INTERGENIC		
SNP_74355B_3139	scaffold2932	NW_004517752.1	3139	TT	GG	GG	INTERGENIC		
SNP_74356B_3370	scaffold2932	NW_004517752.1	3370	TT	CC	CC	INTERGENIC		
SNP_74357B_3428	scaffold2932	NW_004517752.1	3428	CC	AA	AA	INTERGENIC		
SNP_74358B_3471	scaffold2932	NW_004517752.1	3471	GG	AA	AA	INTERGENIC		
SNP_74359B_3613	scaffold2932	NW_004517752.1	3613	CC	GG	GG	INTERGENIC		
SNP_74361B_3770	scaffold2932	NW_004517752.1	3770	CC	AA	AA	INTERGENIC		
SNP_74362B_3870	scaffold2932	NW_004517752.1	3870	CC	TT	TT	INTERGENIC		
SNP_74363B_4175	scaffold2932	NW_004517752.1	4175	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74364B_4594	scaffold2932	NW_004517752.1	4594	TT	AA	AA	INTERGENIC		
SNP_74365B_4780	scaffold2932	NW_004517752.1	4780	TT	AA	AA	INTERGENIC		
SNP_74366B_4983	scaffold2932	NW_004517752.1	4983	AA	GG	GG	INTERGENIC		
SNP_74367B_6407	scaffold2932	NW_004517752.1	6407	CC	AA	AA	INTERGENIC		
SNP_74368B_6493	scaffold2932	NW_004517752.1	6493	TT	AA	AA	INTERGENIC		
SNP_74369B_6538	scaffold2932	NW_004517752.1	6538	TT	AA	AA	INTERGENIC		
SNP_74370B_6542	scaffold2932	NW_004517752.1	6542	CC	TT	TT	INTERGENIC		
SNP_74371B_6681	scaffold2932	NW_004517752.1	6681	GG	AA	AA	INTERGENIC		
SNP_74372B_6943	scaffold2932	NW_004517752.1	6943	AA	TT	TT	INTERGENIC		
SNP_74373B_7181	scaffold2932	NW_004517752.1	7181	GG	AA	AA	INTERGENIC		
SNP_74374B_10717	scaffold2932	NW_004517752.1	10717	AA	TT	TT	INTERGENIC		
SNP_74375B_10847	scaffold2932	NW_004517752.1	10847	GG	AA	AA	INTERGENIC		
SNP_74376B_12813	scaffold2932	NW_004517752.1	12813	TT	AA	AA	INTERGENIC		
SNP_74377B_12835	scaffold2932	NW_004517752.1	12835	GG	AA	AA	INTERGENIC		
SNP_74378B_13156	scaffold2932	NW_004517752.1	13156	TT	CC	CC	INTERGENIC		
SNP_74379B_17173	scaffold2932	NW_004517752.1	17173	AA	TT	TT	INTERGENIC		
SNP_74380B_18612	scaffold2932	NW_004517752.1	18612	GG	TT	TT	INTERGENIC		
SNP_74381B_25365	scaffold2932	NW_004517752.1	25365	CC	GG	GG	INTERGENIC		
SNP_74382B_26309	scaffold2932	NW_004517752.1	26309	CC	TT	TT	INTERGENIC		
SNP_74383B_136	scaffold2933	NW_004517753.1	136	AA	GG	GG	INTERGENIC		
SNP_74384B_423	scaffold2933	NW_004517753.1	423	TT	CC	CC	INTERGENIC		
SNP_74385B_1058	scaffold2933	NW_004517753.1	1058	AA	TT	TT	INTERGENIC		
SNP_74386B_1102	scaffold2933	NW_004517753.1	1102	CC	GG	GG	INTERGENIC		
SNP_74387B_1143	scaffold2933	NW_004517753.1	1143	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74388B_1533	scaffold2933	NW_004517753.1	1533	CC	GG	GG	INTERGENIC		
SNP_74389B_1535	scaffold2933	NW_004517753.1	1535	AA	TT	TT	INTERGENIC		
SNP_74390B_1479	scaffold2934	NW_004517754.1	1479	TT	GG	GG	INTERGENIC		
SNP_74391B_1499	scaffold2934	NW_004517754.1	1499	AA	GG	GG	INTERGENIC		
SNP_74393B_1744	scaffold2934	NW_004517754.1	1744	AA	CC	CC	INTERGENIC		
SNP_74394B_64	scaffold2940	NW_004517760.1	64	GG	TT	TT	INTERGENIC		
SNP_74395B_118	scaffold2940	NW_004517760.1	118	CC	TT	TT	INTERGENIC		
SNP_74396B_142	scaffold2940	NW_004517760.1	142	AA	GG	GG	INTERGENIC		
SNP_74397B_378	scaffold2940	NW_004517760.1	378	CC	TT	TT	INTERGENIC		
SNP_74398B_795	scaffold2940	NW_004517760.1	795	CC	GG	GG	INTERGENIC		
SNP_74399B_1031	scaffold2940	NW_004517760.1	1031	GG	AA	AA	INTERGENIC		
SNP_74400B_1039	scaffold2940	NW_004517760.1	1039	AA	GG	GG	INTERGENIC		
SNP_74401B_1055	scaffold2940	NW_004517760.1	1055	TT	AA	AA	INTERGENIC		
SNP_74402B_1089	scaffold2940	NW_004517760.1	1089	CC	GG	GG	INTERGENIC		
SNP_74403B_1100	scaffold2940	NW_004517760.1	1100	AA	GG	GG	INTERGENIC		
SNP_74404B_1101	scaffold2940	NW_004517760.1	1101	TT	CC	CC	INTERGENIC		
SNP_74405B_1142	scaffold2940	NW_004517760.1	1142	CC	TT	TT	INTERGENIC		
SNP_74407B_25438	scaffold2940	NW_004517760.1	25438	TT	AA	AA	INTERGENIC		
SNP_74408B_25499	scaffold2940	NW_004517760.1	25499	TT	GG	GG	INTERGENIC		
SNP_74409B_7864	scaffold2946	NW_004517763.1	7864	GG	CC	CC	INTERGENIC		
SNP_74410B_22061	scaffold2946	NW_004517763.1	22061	GG	AA	AA	INTERGENIC		
SNP_74411B_399	scaffold2950	NW_004517765.1	399	CC	TT	TT	INTERGENIC		
SNP_74412B_507	scaffold2950	NW_004517765.1	507	TT	CC	CC	INTERGENIC		
SNP_74413B_514	scaffold2950	NW_004517765.1	514	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74414B_517	scaffold2950	NW_004517765.1	517	AA	TT	TT	INTERGENIC		
SNP_74415B_583	scaffold2950	NW_004517765.1	583	AA	GG	GG	INTERGENIC		
SNP_74416B_615	scaffold2950	NW_004517765.1	615	CC	TT	TT	INTERGENIC		
SNP_74417B_634	scaffold2950	NW_004517765.1	634	CC	TT	TT	INTERGENIC		
SNP_74418B_636	scaffold2950	NW_004517765.1	636	TT	CC	CC	INTERGENIC		
SNP_74420B_4281	scaffold2950	NW_004517765.1	4281	CC	TT	TT	URR	101499370	UDP-glycosyltransferase 74B1-like
SNP_74421B_6464	scaffold2950	NW_004517765.1	6464	TT	CC	CC	DRR	101499677	DNA polymerase beta
SNP_74424B_6930	scaffold2950	NW_004517765.1	6930	TT	AA	AA	INTERGENIC		
SNP_74425B_7738	scaffold2950	NW_004517765.1	7738	CC	TT	TT	INTERGENIC		
SNP_74426B_7793	scaffold2950	NW_004517765.1	7793	CC	TT	TT	INTERGENIC		
SNP_74427B_8111	scaffold2950	NW_004517765.1	8111	TT	CC	CC	INTERGENIC		
SNP_74428B_8183	scaffold2950	NW_004517765.1	8183	TT	CC	CC	INTERGENIC		
SNP_74430B_8404	scaffold2950	NW_004517765.1	8404	TT	CC	CC	NON_SYNONYMOUS_CODING	id219392	Unknown function
SNP_74431B_8516	scaffold2950	NW_004517765.1	8516	CC	GG	GG	NON_SYNONYMOUS_CODING	101499677	DNA polymerase beta
SNP_74432B_8524	scaffold2950	NW_004517765.1	8524	CC	GG	GG	NON_SYNONYMOUS_CODING	id219392	Unknown function
SNP_74433B_8534	scaffold2950	NW_004517765.1	8534	GG	AA	AA	NON_SYNONYMOUS_CODING	id219392	Unknown function
SNP_74434B_8609	scaffold2950	NW_004517765.1	8609	TT	CC	CC	INTRON	101499677	DNA polymerase beta
SNP_74435B_8613	scaffold2950	NW_004517765.1	8613	AA	CC	CC	INTRON	101499677	DNA polymerase beta
SNP_74436B_10103	scaffold2950	NW_004517765.1	10103	GG	AA	AA	INTRON	101499677	DNA polymerase beta
SNP_74438B_10218	scaffold2950	NW_004517765.1	10218	GG	TT	TT	INTRON	101499677	DNA polymerase beta
SNP_74439B_10318	scaffold2950	NW_004517765.1	10318	GG	CC	CC	INTRON	101499677	DNA polymerase beta
SNP_74440B_10370	scaffold2950	NW_004517765.1	10370	CC	GG	GG	NON_SYNONYMOUS_CODING	id219392	Unknown function
SNP_74441B_10559	scaffold2950	NW_004517765.1	10559	AA	GG	GG	INTRON	101499677	DNA polymerase beta
SNP_74443B_10710	scaffold2950	NW_004517765.1	10710	TT	GG	GG	INTRON	101499677	DNA polymerase beta

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74444B_10713	scaffold2950	NW_004517765.1	10713	CC	TT	TT	INTRON	101499677	DNA polymerase beta
SNP_74445B_10717	scaffold2950	NW_004517765.1	10717	AA	CC	CC	INTRON	101499677	DNA polymerase beta
SNP_74446B_10798	scaffold2950	NW_004517765.1	10798	CC	AA	AA	INTRON	101499677	DNA polymerase beta
SNP_74447B_10957	scaffold2950	NW_004517765.1	10957	TT	CC	CC	INTRON	101499677	DNA polymerase beta
SNP_74448B_11035	scaffold2950	NW_004517765.1	11035	GG	TT	TT	NON_SYNONYMOUS_CODING	101499677	DNA polymerase beta
SNP_74449B_11159	scaffold2950	NW_004517765.1	11159	TT	GG	GG	INTRON	101499677	DNA polymerase beta
SNP_74450B_11353	scaffold2950	NW_004517765.1	11353	GG	AA	AA	NON_SYNONYMOUS_CODING	id219392	Unknown function
SNP_74451B_11610	scaffold2950	NW_004517765.1	11610	AA	GG	GG	INTRON	101499677	DNA polymerase beta
SNP_74452B_11663	scaffold2950	NW_004517765.1	11663	GG	AA	AA	INTRON	101499677	DNA polymerase beta
SNP_74453B_11906	scaffold2950	NW_004517765.1	11906	AA	TT	TT	INTRON	101499677	DNA polymerase beta
SNP_74454B_12126	scaffold2950	NW_004517765.1	12126	AA	GG	GG	INTRON	101499677	DNA polymerase beta
SNP_74455B_64	scaffold2951	NW_004517766.1	64	AA	CC	CC	INTERGENIC		
SNP_74456B_66	scaffold2951	NW_004517766.1	66	GG	AA	AA	INTERGENIC		
SNP_74457B_199	scaffold2951	NW_004517766.1	199	TT	AA	AA	INTERGENIC		
SNP_74458B_12841	scaffold2954	NW_004517767.1	12841	CC	TT	TT	INTERGENIC		
SNP_74459B_12853	scaffold2954	NW_004517767.1	12853	CC	TT	TT	INTERGENIC		
SNP_74460B_882	scaffold2955	NW_004517768.1	882	CC	GG	GG	INTERGENIC		
SNP_74461B_900	scaffold2955	NW_004517768.1	900	CC	TT	TT	INTERGENIC		
SNP_74462B_902	scaffold2955	NW_004517768.1	902	GG	AA	AA	INTERGENIC		
SNP_74463B_5767	scaffold2955	NW_004517768.1	5767	TT	CC	CC	INTERGENIC		
SNP_74464B_6064	scaffold2955	NW_004517768.1	6064	TT	CC	CC	INTERGENIC		
SNP_74465B_7955	scaffold2955	NW_004517768.1	7955	TT	GG	GG	NON_SYNONYMOUS_CODING	101500529	pentatricopeptide repeat-containing protein At1g12775, mitochondrial-like
SNP_74466B_8104	scaffold2955	NW_004517768.1	8104	CC	TT	TT	SYNONYMOUS_CODING	101500529	pentatricopeptide repeat-containing protein At1g12775, mitochondrial-like
SNP_74467B_9298	scaffold2955	NW_004517768.1	9298	AA	GG	GG	NON_SYNONYMOUS_CODING	101500529	pentatricopeptide repeat-containing protein At1g12775, mitochondrial-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74468B_9449	scaffold2955	NW_004517768.1	9449	CC	GG	GG	NON_SYNONYMOUS_CODING	101500529	pentatricopeptide repeat-containing protein At1g12775, mitochondrial-like
SNP_74469B_9491	scaffold2955	NW_004517768.1	9491	TT	CC	CC	NON_SYNONYMOUS_CODING	101500529	pentatricopeptide repeat-containing protein At1g12775, mitochondrial-like
SNP_74470B_9511	scaffold2955	NW_004517768.1	9511	AA	GG	GG	NON_SYNONYMOUS_CODING	101500529	pentatricopeptide repeat-containing protein At1g12775, mitochondrial-like
SNP_74471B_9512	scaffold2955	NW_004517768.1	9512	AA	TT	TT	NON_SYNONYMOUS_CODING	101500529	pentatricopeptide repeat-containing protein At1g12775, mitochondrial-like
SNP_74472B_9554	scaffold2955	NW_004517768.1	9554	AA	GG	GG	NON_SYNONYMOUS_CODING	101500529	pentatricopeptide repeat-containing protein At1g12775, mitochondrial-like
SNP_74473B_9563	scaffold2955	NW_004517768.1	9563	GG	AA	AA	NON_SYNONYMOUS_CODING	101500529	pentatricopeptide repeat-containing protein At1g12775, mitochondrial-like
SNP_74474B_9623	scaffold2955	NW_004517768.1	9623	AA	GG	GG	NON_SYNONYMOUS_CODING	101500529	pentatricopeptide repeat-containing protein At1g12775, mitochondrial-like
SNP_74477B_10096	scaffold2955	NW_004517768.1	10096	TT	CC	CC	INTERGENIC		
SNP_74478B_10157	scaffold2955	NW_004517768.1	10157	GG	AA	AA	INTERGENIC		
SNP_74479B_11565	scaffold2955	NW_004517768.1	11565	AA	TT	TT	URR	101500529	pentatricopeptide repeat-containing protein At1g12775, mitochondrial-like
SNP_74480B_11642	scaffold2955	NW_004517768.1	11642	CC	AA	AA	URR	101500529	pentatricopeptide repeat-containing protein At1g12775, mitochondrial-like
SNP_74481B_11643	scaffold2955	NW_004517768.1	11643	GG	AA	AA	URR	101500529	pentatricopeptide repeat-containing protein At1g12775, mitochondrial-like
SNP_74482B_11650	scaffold2955	NW_004517768.1	11650	CC	TT	TT	URR	101500529	pentatricopeptide repeat-containing protein At1g12775, mitochondrial-like
SNP_74483B_11700	scaffold2955	NW_004517768.1	11700	AA	TT	TT	URR	101500529	pentatricopeptide repeat-containing protein At1g12775, mitochondrial-like
SNP_74484B_11736	scaffold2955	NW_004517768.1	11736	TT	CC	CC	URR	101500529	pentatricopeptide repeat-containing protein At1g12775, mitochondrial-like
SNP_74485B_11861	scaffold2955	NW_004517768.1	11861	TT	AA	AA	URR	101500529	pentatricopeptide repeat-containing protein At1g12775, mitochondrial-like
SNP_74486B_11949	scaffold2955	NW_004517768.1	11949	TT	CC	CC	URR	101500529	pentatricopeptide repeat-containing protein At1g12775, mitochondrial-like
SNP_74487B_11980	scaffold2955	NW_004517768.1	11980	CC	TT	TT	URR	101500529	pentatricopeptide repeat-containing protein At1g12775, mitochondrial-like
SNP_74488B_41730	scaffold2955	NW_004517768.1	41730	CC	AA	AA	INTERGENIC		
SNP_74489B_43379	scaffold2955	NW_004517768.1	43379	CC	TT	TT	INTERGENIC		
SNP_74490B_43505	scaffold2955	NW_004517768.1	43505	AA	TT	TT	INTERGENIC		
SNP_74491B_43615	scaffold2955	NW_004517768.1	43615	GG	AA	AA	INTERGENIC		
SNP_74492B_43632	scaffold2955	NW_004517768.1	43632	TT	GG	GG	INTERGENIC		
SNP_74493B_919	scaffold2957	NW_004517770.1	919	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74494B_1046	scaffold2957	NW_004517770.1	1046	CC	TT	TT	INTERGENIC		
SNP_74495B_1404	scaffold2957	NW_004517770.1	1404	CC	GG	GG	INTERGENIC		
SNP_74496B_1440	scaffold2957	NW_004517770.1	1440	TT	CC	CC	INTERGENIC		
SNP_74497B_9523	scaffold2957	NW_004517770.1	9523	AA	TT	TT	INTERGENIC		
SNP_74498B_10043	scaffold2957	NW_004517770.1	10043	TT	GG	GG	INTERGENIC		
SNP_74499B_13607	scaffold2959	NW_004517772.1	13607	AA	TT	TT	INTERGENIC		
SNP_74500B_13669	scaffold2959	NW_004517772.1	13669	CC	GG	GG	INTERGENIC		
SNP_74501B_13689	scaffold2959	NW_004517772.1	13689	TT	CC	CC	INTERGENIC		
SNP_74502B_750	scaffold2962	NW_004517774.1	750	CC	TT	TT	INTERGENIC		
SNP_74503B_208	scaffold2964	NW_004517775.1	208	GG	CC	CC	INTERGENIC		
SNP_74504B_209	scaffold2964	NW_004517775.1	209	AA	TT	TT	INTERGENIC		
SNP_74505B_213	scaffold2964	NW_004517775.1	213	AA	TT	TT	INTERGENIC		
SNP_74507B_311	scaffold2964	NW_004517775.1	311	GG	AA	AA	INTERGENIC		
SNP_74508B_503	scaffold2964	NW_004517775.1	503	CC	AA	AA	INTERGENIC		
SNP_74509B_1079	scaffold2967	NW_004517778.1	1079	AA	GG	GG	INTERGENIC		
SNP_74510B_22115	scaffold2968	NW_004517779.1	22115	CC	TT	TT	INTERGENIC		
SNP_74512B_23683	scaffold2969	NW_004517780.1	23683	TT	CC	CC	INTERGENIC		
SNP_74513B_23685	scaffold2969	NW_004517780.1	23685	CC	TT	TT	INTERGENIC		
SNP_74514B_23717	scaffold2969	NW_004517780.1	23717	GG	TT	TT	INTERGENIC		
SNP_74515B_25623	scaffold2969	NW_004517780.1	25623	AA	CC	CC	INTERGENIC		
SNP_74516B_25624	scaffold2969	NW_004517780.1	25624	TT	CC	CC	INTERGENIC		
SNP_74518B_45900	scaffold2969	NW_004517780.1	45900	TT	AA	AA	INTERGENIC		
SNP_74519B_46357	scaffold2969	NW_004517780.1	46357	TT	CC	CC	INTERGENIC		
SNP_74520B_46398	scaffold2969	NW_004517780.1	46398	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74521B_46661	scaffold2969	NW_004517780.1	46661	AA	GG	GG	INTERGENIC		
SNP_74522B_50489	scaffold2969	NW_004517780.1	50489	TT	CC	CC	INTRON	101501803	protein ZINC INDUCED FACILITATOR-LIKE 1-like
SNP_74523B_141	scaffold2974	NW_004517782.1	141	TT	AA	AA	INTERGENIC		
SNP_74524B_416	scaffold2974	NW_004517782.1	416	TT	CC	CC	INTERGENIC		
SNP_74525B_544	scaffold2979	NW_004517785.1	544	GG	AA	AA	INTERGENIC		
SNP_74526B_563	scaffold2979	NW_004517785.1	563	AA	TT	TT	INTERGENIC		
SNP_74527B_583	scaffold2979	NW_004517785.1	583	GG	TT	TT	INTERGENIC		
SNP_74528B_32493	scaffold2981	NW_004517787.1	32493	TT	CC	CC	INTERGENIC		
SNP_74529B_32818	scaffold2981	NW_004517787.1	32818	TT	GG	GG	INTERGENIC		
SNP_74530B_32978	scaffold2981	NW_004517787.1	32978	CC	TT	TT	INTERGENIC		
SNP_74531B_33066	scaffold2981	NW_004517787.1	33066	TT	CC	CC	INTERGENIC		
SNP_74532B_33082	scaffold2981	NW_004517787.1	33082	TT	GG	GG	INTERGENIC		
SNP_74533B_33104	scaffold2981	NW_004517787.1	33104	TT	CC	CC	INTERGENIC		
SNP_74534B_14751	scaffold2984	NW_004517789.1	14751	TT	CC	CC	INTERGENIC		
SNP_74535B_20948	scaffold2984	NW_004517789.1	20948	TT	CC	CC	INTERGENIC		
SNP_74536B_21715	scaffold2984	NW_004517789.1	21715	CC	TT	TT	INTERGENIC		
SNP_74537B_21784	scaffold2984	NW_004517789.1	21784	TT	CC	CC	INTERGENIC		
SNP_74538B_21801	scaffold2984	NW_004517789.1	21801	TT	CC	CC	INTERGENIC		
SNP_74540B_21960	scaffold2984	NW_004517789.1	21960	TT	GG	GG	INTERGENIC		
SNP_74541B_21961	scaffold2984	NW_004517789.1	21961	TT	CC	CC	INTERGENIC		
SNP_74542B_21962	scaffold2984	NW_004517789.1	21962	GG	CC	CC	INTERGENIC		
SNP_74543B_22074	scaffold2984	NW_004517789.1	22074	CC	GG	GG	INTERGENIC		
SNP_74544B_22156	scaffold2984	NW_004517789.1	22156	TT	CC	CC	INTERGENIC		
SNP_74545B_22391	scaffold2984	NW_004517789.1	22391	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74546B_23023	scaffold2984	NW_004517789.1	23023	TT	CC	CC	INTERGENIC		
SNP_74547B_23234	scaffold2984	NW_004517789.1	23234	GG	AA	AA	INTERGENIC		
SNP_74548B_24345	scaffold2984	NW_004517789.1	24345	GG	TT	TT	INTERGENIC		
SNP_74549B_24625	scaffold2984	NW_004517789.1	24625	TT	GG	GG	INTERGENIC		
SNP_74550B_24678	scaffold2984	NW_004517789.1	24678	GG	AA	AA	INTERGENIC		
SNP_74551B_24998	scaffold2984	NW_004517789.1	24998	CC	TT	TT	INTERGENIC		
SNP_74552B_25048	scaffold2984	NW_004517789.1	25048	CC	TT	TT	INTERGENIC		
SNP_74553B_25371	scaffold2984	NW_004517789.1	25371	AA	GG	GG	INTERGENIC		
SNP_74554B_25845	scaffold2984	NW_004517789.1	25845	TT	GG	GG	INTERGENIC		
SNP_74555B_26148	scaffold2984	NW_004517789.1	26148	TT	CC	CC	INTERGENIC		
SNP_74556B_26193	scaffold2984	NW_004517789.1	26193	CC	TT	TT	INTERGENIC		
SNP_74557B_15593	scaffold2988	NW_004517792.1	15593	GG	AA	AA	INTERGENIC		
SNP_74558B_15621	scaffold2988	NW_004517792.1	15621	TT	CC	CC	INTERGENIC		
SNP_74559B_15744	scaffold2988	NW_004517792.1	15744	AA	GG	GG	INTERGENIC		
SNP_74560B_15822	scaffold2988	NW_004517792.1	15822	AA	CC	CC	INTERGENIC		
SNP_74561B_23458	scaffold2988	NW_004517792.1	23458	AA	GG	GG	INTERGENIC		
SNP_74562B_23486	scaffold2988	NW_004517792.1	23486	GG	AA	AA	INTERGENIC		
SNP_74563B_23493	scaffold2988	NW_004517792.1	23493	AA	CC	CC	INTERGENIC		
SNP_74564B_23508	scaffold2988	NW_004517792.1	23508	GG	AA	AA	INTERGENIC		
SNP_74565B_23539	scaffold2988	NW_004517792.1	23539	AA	TT	TT	INTERGENIC		
SNP_74566B_23543	scaffold2988	NW_004517792.1	23543	TT	CC	CC	INTERGENIC		
SNP_74567B_23580	scaffold2988	NW_004517792.1	23580	AA	GG	GG	INTERGENIC		
SNP_74568B_47316	scaffold2988	NW_004517792.1	47316	TT	CC	CC	INTERGENIC		
SNP_74569B_47360	scaffold2988	NW_004517792.1	47360	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74570B_58683	scaffold2988	NW_004517792.1	58683	AA	CC	CC	INTERGENIC		
SNP_74571B_59176	scaffold2988	NW_004517792.1	59176	CC	TT	TT	INTERGENIC		
SNP_74572B_59224	scaffold2988	NW_004517792.1	59224	TT	AA	AA	INTERGENIC		
SNP_74573B_8984	scaffold2989	NW_004517793.1	8984	CC	TT	TT	INTERGENIC		
SNP_74574B_8989	scaffold2989	NW_004517793.1	8989	AA	GG	GG	INTERGENIC		
SNP_74575B_8996	scaffold2989	NW_004517793.1	8996	CC	GG	GG	INTERGENIC		
SNP_74576B_9008	scaffold2989	NW_004517793.1	9008	CC	GG	GG	INTERGENIC		
SNP_74577B_9809	scaffold2989	NW_004517793.1	9809	GG	AA	AA	INTERGENIC		
SNP_74578B_15652	scaffold2989	NW_004517793.1	15652	TT	CC	CC	INTERGENIC		
SNP_74579B_6172	scaffold2990	NW_004517794.1	6172	AA	GG	GG	INTERGENIC		
SNP_74580B_6304	scaffold2990	NW_004517794.1	6304	GG	AA	AA	INTERGENIC		
SNP_74581B_6334	scaffold2990	NW_004517794.1	6334	AA	CC	CC	INTERGENIC		
SNP_74583B_6505	scaffold2990	NW_004517794.1	6505	AA	TT	TT	INTERGENIC		
SNP_74584B_6563	scaffold2990	NW_004517794.1	6563	AA	TT	TT	INTERGENIC		
SNP_74585B_6570	scaffold2990	NW_004517794.1	6570	TT	CC	CC	INTERGENIC		
SNP_74586B_6597	scaffold2990	NW_004517794.1	6597	TT	GG	GG	INTERGENIC		
SNP_74587B_6645	scaffold2990	NW_004517794.1	6645	CC	AA	AA	INTERGENIC		
SNP_74588B_6647	scaffold2990	NW_004517794.1	6647	AA	GG	GG	INTERGENIC		
SNP_74589B_6682	scaffold2990	NW_004517794.1	6682	TT	GG	GG	INTERGENIC		
SNP_74590B_6687	scaffold2990	NW_004517794.1	6687	CC	TT	TT	INTERGENIC		
SNP_74591B_6689	scaffold2990	NW_004517794.1	6689	AA	GG	GG	INTERGENIC		
SNP_74592B_6703	scaffold2990	NW_004517794.1	6703	AA	GG	GG	INTERGENIC		
SNP_74593B_6719	scaffold2990	NW_004517794.1	6719	GG	TT	TT	INTERGENIC		
SNP_74594B_10243	scaffold2990	NW_004517794.1	10243	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74595B_4565	scaffold2996	NW_004517798.1	4565	AA	GG	GG	INTERGENIC		
SNP_74596B_4582	scaffold2996	NW_004517798.1	4582	CC	TT	TT	INTERGENIC		
SNP_74597B_3027	scaffold2998	NW_004517800.1	3027	TT	CC	CC	INTERGENIC		
SNP_74598B_3043	scaffold2998	NW_004517800.1	3043	TT	CC	CC	INTERGENIC		
SNP_74599B_5155	scaffold2998	NW_004517800.1	5155	AA	TT	TT	INTERGENIC		
SNP_74600B_5157	scaffold2998	NW_004517800.1	5157	CC	TT	TT	INTERGENIC		
SNP_74601B_5185	scaffold2998	NW_004517800.1	5185	AA	GG	GG	INTERGENIC		
SNP_74602B_5209	scaffold2998	NW_004517800.1	5209	TT	CC	CC	INTERGENIC		
SNP_74603B_5530	scaffold2998	NW_004517800.1	5530	CC	TT	TT	INTERGENIC		
SNP_74604B_5684	scaffold2998	NW_004517800.1	5684	GG	AA	AA	INTERGENIC		
SNP_74605B_581	scaffold3002	NW_004517802.1	581	TT	GG	GG	INTERGENIC		
SNP_74606B_633	scaffold3002	NW_004517802.1	633	GG	AA	AA	INTERGENIC		
SNP_74607B_853	scaffold3002	NW_004517802.1	853	GG	AA	AA	INTERGENIC		
SNP_74608B_960	scaffold3002	NW_004517802.1	960	TT	AA	AA	INTERGENIC		
SNP_74609B_2944	scaffold3002	NW_004517802.1	2944	GG	TT	TT	INTERGENIC		
SNP_74610B_3127	scaffold3002	NW_004517802.1	3127	CC	TT	TT	INTERGENIC		
SNP_74611B_478	scaffold3008	NW_004517807.1	478	CC	TT	TT	INTERGENIC		
SNP_74612B_545	scaffold3008	NW_004517807.1	545	AA	GG	GG	INTERGENIC		
SNP_74613B_617	scaffold3008	NW_004517807.1	617	GG	TT	TT	INTERGENIC		
SNP_74614B_21829	scaffold3015	NW_004517813.1	21829	CC	AA	AA	INTERGENIC		
SNP_74615B_56053	scaffold3015	NW_004517813.1	56053	TT	AA	AA	DRR	101502129	Unknown function
SNP_74616B_56088	scaffold3015	NW_004517813.1	56088	AA	GG	GG	DRR	101502129	Unknown function
SNP_74617B_59984	scaffold3015	NW_004517813.1	59984	GG	AA	AA	URR	101502129	Unknown function
SNP_74618B_60049	scaffold3015	NW_004517813.1	60049	AA	TT	TT	URR	101502129	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74619B_60159	scaffold3015	NW_004517813.1	60159	CC	GG	GG	URR	101502129	Unknown function
SNP_74620B_60266	scaffold3015	NW_004517813.1	60266	GG	AA	AA	URR	101502129	Unknown function
SNP_74621B_60285	scaffold3015	NW_004517813.1	60285	CC	TT	TT	URR	101502129	Unknown function
SNP_74622B_60288	scaffold3015	NW_004517813.1	60288	CC	AA	AA	URR	101502129	Unknown function
SNP_74623B_60431	scaffold3015	NW_004517813.1	60431	GG	AA	AA	URR	101502129	Unknown function
SNP_74624B_68346	scaffold3015	NW_004517813.1	68346	CC	TT	TT	INTERGENIC		
SNP_74625B_68424	scaffold3015	NW_004517813.1	68424	AA	GG	GG	INTERGENIC		
SNP_74626B_68471	scaffold3015	NW_004517813.1	68471	CC	AA	AA	INTERGENIC		
SNP_74627B_68483	scaffold3015	NW_004517813.1	68483	AA	GG	GG	INTERGENIC		
SNP_74628B_68531	scaffold3015	NW_004517813.1	68531	CC	TT	TT	INTERGENIC		
SNP_74629B_68555	scaffold3015	NW_004517813.1	68555	GG	AA	AA	INTERGENIC		
SNP_74630B_68559	scaffold3015	NW_004517813.1	68559	TT	AA	AA	INTERGENIC		
SNP_74631B_68581	scaffold3015	NW_004517813.1	68581	AA	TT	TT	INTERGENIC		
SNP_74632B_68597	scaffold3015	NW_004517813.1	68597	GG	AA	AA	INTERGENIC		
SNP_74633B_68642	scaffold3015	NW_004517813.1	68642	CC	AA	AA	INTERGENIC		
SNP_74635B_68672	scaffold3015	NW_004517813.1	68672	TT	GG	GG	INTERGENIC		
SNP_74636B_68704	scaffold3015	NW_004517813.1	68704	TT	CC	CC	INTERGENIC		
SNP_74637B_68756	scaffold3015	NW_004517813.1	68756	TT	CC	CC	INTERGENIC		
SNP_74638B_68897	scaffold3015	NW_004517813.1	68897	AA	TT	TT	INTERGENIC		
SNP_74639B_68940	scaffold3015	NW_004517813.1	68940	AA	CC	CC	INTERGENIC		
SNP_74640B_69050	scaffold3015	NW_004517813.1	69050	TT	CC	CC	INTERGENIC		
SNP_74641B_69151	scaffold3015	NW_004517813.1	69151	TT	CC	CC	INTERGENIC		
SNP_74644B_73369	scaffold3015	NW_004517813.1	73369	TT	AA	AA	INTERGENIC		
SNP_74645B_73409	scaffold3015	NW_004517813.1	73409	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74646B_73430	scaffold3015	NW_004517813.1	73430	AA	GG	GG	INTERGENIC		
SNP_74648B_73610	scaffold3015	NW_004517813.1	73610	CC	TT	TT	INTERGENIC		
SNP_74649B_73612	scaffold3015	NW_004517813.1	73612	CC	TT	TT	INTERGENIC		
SNP_74650B_73639	scaffold3015	NW_004517813.1	73639	AA	GG	GG	INTERGENIC		
SNP_74651B_73688	scaffold3015	NW_004517813.1	73688	AA	GG	GG	INTERGENIC		
SNP_74652B_73809	scaffold3015	NW_004517813.1	73809	CC	TT	TT	INTERGENIC		
SNP_74653B_73930	scaffold3015	NW_004517813.1	73930	TT	CC	CC	INTERGENIC		
SNP_74655B_73968	scaffold3015	NW_004517813.1	73968	AA	TT	TT	INTERGENIC		
SNP_74656B_73988	scaffold3015	NW_004517813.1	73988	AA	GG	GG	INTERGENIC		
SNP_74658B_74121	scaffold3015	NW_004517813.1	74121	CC	GG	GG	INTERGENIC		
SNP_74660B_74191	scaffold3015	NW_004517813.1	74191	CC	GG	GG	INTERGENIC		
SNP_74661B_74229	scaffold3015	NW_004517813.1	74229	TT	CC	CC	INTERGENIC		
SNP_74662B_74263	scaffold3015	NW_004517813.1	74263	GG	CC	CC	INTERGENIC		
SNP_74663B_74335	scaffold3015	NW_004517813.1	74335	AA	GG	GG	INTERGENIC		
SNP_74664B_74426	scaffold3015	NW_004517813.1	74426	AA	GG	GG	INTERGENIC		
SNP_74667B_76863	scaffold3015	NW_004517813.1	76863	CC	TT	TT	INTERGENIC		
SNP_74668B_77036	scaffold3015	NW_004517813.1	77036	TT	CC	CC	INTERGENIC		
SNP_74669B_77055	scaffold3015	NW_004517813.1	77055	CC	TT	TT	INTERGENIC		
SNP_74670B_77060	scaffold3015	NW_004517813.1	77060	TT	AA	AA	INTERGENIC		
SNP_74671B_80389	scaffold3015	NW_004517813.1	80389	GG	AA	AA	INTERGENIC		
SNP_74672B_80418	scaffold3015	NW_004517813.1	80418	GG	AA	AA	INTERGENIC		
SNP_74673B_80540	scaffold3015	NW_004517813.1	80540	CC	TT	TT	INTERGENIC		
SNP_74674B_80542	scaffold3015	NW_004517813.1	80542	CC	TT	TT	INTERGENIC		
SNP_74675B_80842	scaffold3015	NW_004517813.1	80842	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74676B_80890	scaffold3015	NW_004517813.1	80890	GG	AA	AA	INTERGENIC		
SNP_74677B_80893	scaffold3015	NW_004517813.1	80893	TT	CC	CC	INTERGENIC		
SNP_74678B_80944	scaffold3015	NW_004517813.1	80944	TT	CC	CC	INTERGENIC		
SNP_74679B_80984	scaffold3015	NW_004517813.1	80984	GG	AA	AA	INTERGENIC		
SNP_74680B_81514	scaffold3015	NW_004517813.1	81514	TT	CC	CC	INTERGENIC		
SNP_74681B_81554	scaffold3015	NW_004517813.1	81554	GG	TT	TT	INTERGENIC		
SNP_74682B_81559	scaffold3015	NW_004517813.1	81559	AA	GG	GG	INTERGENIC		
SNP_74683B_81603	scaffold3015	NW_004517813.1	81603	CC	AA	AA	INTERGENIC		
SNP_74684B_81620	scaffold3015	NW_004517813.1	81620	TT	CC	CC	INTERGENIC		
SNP_74685B_81648	scaffold3015	NW_004517813.1	81648	TT	AA	AA	INTERGENIC		
SNP_74686B_83085	scaffold3015	NW_004517813.1	83085	TT	CC	CC	INTERGENIC		
SNP_74687B_39228	scaffold3016	NW_004517814.1	39228	AA	TT	TT	INTERGENIC		
SNP_74688B_57124	scaffold3016	NW_004517814.1	57124	TT	AA	AA	INTERGENIC		
SNP_74689B_57133	scaffold3016	NW_004517814.1	57133	CC	TT	TT	INTERGENIC		
SNP_74690B_57883	scaffold3016	NW_004517814.1	57883	GG	AA	AA	INTERGENIC		
SNP_74691B_71915	scaffold3016	NW_004517814.1	71915	AA	TT	TT	URR	101504263	uncharacterized LOC101504263
SNP_74693B_120326	scaffold3016	NW_004517814.1	120326	TT	CC	CC	INTRON	101505541	zinc finger MYM-type protein 1-like
SNP_74694B_120673	scaffold3016	NW_004517814.1	120673	AA	CC	CC	NON_SYNONYMOUS_CODING	101505541	zinc finger MYM-type protein 1-like
SNP_74695B_893	scaffold3019	NW_004517817.1	893	TT	CC	CC	INTERGENIC		
SNP_74697B_17705	scaffold3019	NW_004517817.1	17705	CC	AA	AA	INTERGENIC		
SNP_74698B_18139	scaffold3019	NW_004517817.1	18139	AA	CC	CC	INTRON	101505873	protein SUPPRESSOR OF GENE SILENCING 3 homolog
SNP_74699B_18321	scaffold3019	NW_004517817.1	18321	CC	GG	GG	INTRON	101505873	protein SUPPRESSOR OF GENE SILENCING 3 homolog
SNP_74700B_18382	scaffold3019	NW_004517817.1	18382	CC	AA	AA	INTRON	101505873	protein SUPPRESSOR OF GENE SILENCING 3 homolog
SNP_74701B_18501	scaffold3019	NW_004517817.1	18501	TT	CC	CC	INTRON	101505873	protein SUPPRESSOR OF GENE SILENCING 3 homolog

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74702B_18668	scaffold3019	NW_004517817.1	18668	CC	AA	AA	INTRON	101505873	protein SUPPRESSOR OF GENE SILENCING 3 homolog
SNP_74703B_18808	scaffold3019	NW_004517817.1	18808	GG	AA	AA	INTRON	101505873	protein SUPPRESSOR OF GENE SILENCING 3 homolog
SNP_74704B_18892	scaffold3019	NW_004517817.1	18892	GG	AA	AA	INTRON	101505873	protein SUPPRESSOR OF GENE SILENCING 3 homolog
SNP_74705B_18937	scaffold3019	NW_004517817.1	18937	AA	CC	CC	INTRON	101505873	protein SUPPRESSOR OF GENE SILENCING 3 homolog
SNP_74706B_19620	scaffold3019	NW_004517817.1	19620	GG	AA	AA	INTRON	101505873	protein SUPPRESSOR OF GENE SILENCING 3 homolog
SNP_74707B_19622	scaffold3019	NW_004517817.1	19622	AA	TT	TT	INTRON	101505873	protein SUPPRESSOR OF GENE SILENCING 3 homolog
SNP_74708B_19883	scaffold3019	NW_004517817.1	19883	GG	TT	TT	URR	101505873	protein SUPPRESSOR OF GENE SILENCING 3 homolog
SNP_74709B_19966	scaffold3019	NW_004517817.1	19966	AA	TT	TT	URR	101505873	protein SUPPRESSOR OF GENE SILENCING 3 homolog
SNP_74710B_20131	scaffold3019	NW_004517817.1	20131	CC	TT	TT	URR	101505873	protein SUPPRESSOR OF GENE SILENCING 3 homolog
SNP_74711B_20303	scaffold3019	NW_004517817.1	20303	CC	AA	AA	URR	101505873	protein SUPPRESSOR OF GENE SILENCING 3 homolog
SNP_74712B_20406	scaffold3019	NW_004517817.1	20406	CC	TT	TT	URR	101505873	protein SUPPRESSOR OF GENE SILENCING 3 homolog
SNP_74713B_20499	scaffold3019	NW_004517817.1	20499	TT	GG	GG	URR	101505873	protein SUPPRESSOR OF GENE SILENCING 3 homolog
SNP_74714B_20510	scaffold3019	NW_004517817.1	20510	AA	GG	GG	URR	101505873	protein SUPPRESSOR OF GENE SILENCING 3 homolog
SNP_74715B_20607	scaffold3019	NW_004517817.1	20607	GG	TT	TT	URR	101505873	protein SUPPRESSOR OF GENE SILENCING 3 homolog
SNP_74716B_20611	scaffold3019	NW_004517817.1	20611	AA	CC	CC	URR	101505873	protein SUPPRESSOR OF GENE SILENCING 3 homolog
SNP_74717B_20792	scaffold3019	NW_004517817.1	20792	TT	CC	CC	URR	101505873	protein SUPPRESSOR OF GENE SILENCING 3 homolog
SNP_74718B_20795	scaffold3019	NW_004517817.1	20795	AA	CC	CC	URR	101505873	protein SUPPRESSOR OF GENE SILENCING 3 homolog
SNP_74720B_20918	scaffold3019	NW_004517817.1	20918	CC	TT	TT	URR	101505873	protein SUPPRESSOR OF GENE SILENCING 3 homolog
SNP_74721B_21243	scaffold3019	NW_004517817.1	21243	TT	AA	AA	URR	101505873	protein SUPPRESSOR OF GENE SILENCING 3 homolog
SNP_74723B_21329	scaffold3019	NW_004517817.1	21329	AA	GG	GG	URR	101505873	protein SUPPRESSOR OF GENE SILENCING 3 homolog
SNP_74724B_21343	scaffold3019	NW_004517817.1	21343	TT	AA	AA	URR	101505873	protein SUPPRESSOR OF GENE SILENCING 3 homolog
SNP_74725B_21395	scaffold3019	NW_004517817.1	21395	AA	GG	GG	URR	101505873	protein SUPPRESSOR OF GENE SILENCING 3 homolog
SNP_74726B_21432	scaffold3019	NW_004517817.1	21432	CC	TT	TT	URR	101505873	protein SUPPRESSOR OF GENE SILENCING 3 homolog
SNP_74727B_21502	scaffold3019	NW_004517817.1	21502	CC	AA	AA	URR	101505873	protein SUPPRESSOR OF GENE SILENCING 3 homolog

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74729B_6784	scaffold3022	NW_004517820.1	6784	CC	TT	TT	INTERGENIC		
SNP_74730B_6806	scaffold3022	NW_004517820.1	6806	GG	AA	AA	INTERGENIC		
SNP_74731B_6904	scaffold3022	NW_004517820.1	6904	GG	AA	AA	INTERGENIC		
SNP_74732B_7088	scaffold3022	NW_004517820.1	7088	GG	TT	TT	INTERGENIC		
SNP_74733B_7459	scaffold3022	NW_004517820.1	7459	GG	AA	AA	INTERGENIC		
SNP_74734B_9756	scaffold3022	NW_004517820.1	9756	AA	GG	GG	INTERGENIC		
SNP_74735B_10589	scaffold3022	NW_004517820.1	10589	AA	GG	GG	INTERGENIC		
SNP_74736B_10623	scaffold3022	NW_004517820.1	10623	GG	AA	AA	INTERGENIC		
SNP_74737B_20201	scaffold3022	NW_004517820.1	20201	TT	AA	AA	INTERGENIC		
SNP_74738B_2684	scaffold3026	NW_004517822.1	2684	TT	CC	CC	INTERGENIC		
SNP_74739B_2887	scaffold3026	NW_004517822.1	2887	CC	TT	TT	INTERGENIC		
SNP_74740B_2891	scaffold3026	NW_004517822.1	2891	TT	CC	CC	INTERGENIC		
SNP_74741B_2955	scaffold3026	NW_004517822.1	2955	AA	GG	GG	INTERGENIC		
SNP_74742B_5101	scaffold3026	NW_004517822.1	5101	GG	AA	AA	INTERGENIC		
SNP_74743B_5171	scaffold3026	NW_004517822.1	5171	TT	CC	CC	INTERGENIC		
SNP_74744B_5192	scaffold3026	NW_004517822.1	5192	CC	TT	TT	INTERGENIC		
SNP_74745B_5423	scaffold3026	NW_004517822.1	5423	TT	AA	AA	INTERGENIC		
SNP_74746B_5453	scaffold3026	NW_004517822.1	5453	AA	TT	TT	INTERGENIC		
SNP_74747B_5464	scaffold3026	NW_004517822.1	5464	CC	TT	TT	INTERGENIC		
SNP_74748B_5478	scaffold3026	NW_004517822.1	5478	TT	AA	AA	INTERGENIC		
SNP_74749B_5510	scaffold3026	NW_004517822.1	5510	TT	GG	GG	INTERGENIC		
SNP_74750B_9199	scaffold3026	NW_004517822.1	9199	AA	TT	TT	INTERGENIC		
SNP_74751B_9326	scaffold3026	NW_004517822.1	9326	GG	AA	AA	INTERGENIC		
SNP_74752B_9351	scaffold3026	NW_004517822.1	9351	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74753B_9583	scaffold3026	NW_004517822.1	9583	GG	AA	AA	INTERGENIC		
SNP_74754B_3364	scaffold3028	NW_004517823.1	3364	TT	AA	AA	INTERGENIC		
SNP_74755B_3405	scaffold3028	NW_004517823.1	3405	TT	AA	AA	INTERGENIC		
SNP_74756B_3469	scaffold3028	NW_004517823.1	3469	TT	CC	CC	INTERGENIC		
SNP_74757B_3717	scaffold3028	NW_004517823.1	3717	CC	AA	AA	INTERGENIC		
SNP_74758B_7564	scaffold3028	NW_004517823.1	7564	GG	AA	AA	INTERGENIC		
SNP_74759B_131	scaffold3029	NW_004517824.1	131	GG	AA	AA	INTERGENIC		
SNP_74760B_363	scaffold3029	NW_004517824.1	363	CC	GG	GG	INTERGENIC		
SNP_74763B_585	scaffold3029	NW_004517824.1	585	AA	TT	TT	INTERGENIC		
SNP_74764B_592	scaffold3029	NW_004517824.1	592	GG	CC	CC	INTERGENIC		
SNP_74765B_596	scaffold3029	NW_004517824.1	596	TT	AA	AA	INTERGENIC		
SNP_74766B_634	scaffold3029	NW_004517824.1	634	TT	CC	CC	INTERGENIC		
SNP_74767B_10466	scaffold3029	NW_004517824.1	10466	CC	AA	AA	INTERGENIC		
SNP_74768B_14672	scaffold3029	NW_004517824.1	14672	AA	GG	GG	INTERGENIC		
SNP_74769B_14674	scaffold3029	NW_004517824.1	14674	TT	GG	GG	INTERGENIC		
SNP_74770B_14677	scaffold3029	NW_004517824.1	14677	TT	GG	GG	INTERGENIC		
SNP_74771B_14858	scaffold3029	NW_004517824.1	14858	GG	CC	CC	INTERGENIC		
SNP_74773B_153	scaffold3030	NW_004517825.1	153	CC	TT	TT	INTERGENIC		
SNP_74774B_7853	scaffold3032	NW_004517827.1	7853	CC	TT	TT	INTERGENIC		
SNP_74775B_7952	scaffold3032	NW_004517827.1	7952	TT	AA	AA	INTERGENIC		
SNP_74776B_11182	scaffold3032	NW_004517827.1	11182	CC	TT	TT	INTERGENIC		
SNP_74777B_11604	scaffold3032	NW_004517827.1	11604	TT	AA	AA	INTERGENIC		
SNP_74778B_12148	scaffold3032	NW_004517827.1	12148	GG	AA	AA	INTERGENIC		
SNP_74779B_894	scaffold3033	NW_004517828.1	894	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74781B_17440	scaffold3038	NW_004517831.1	17440	CC	TT	TT	INTERGENIC		
SNP_74782B_17666	scaffold3038	NW_004517831.1	17666	GG	TT	TT	INTERGENIC		
SNP_74783B_17759	scaffold3038	NW_004517831.1	17759	AA	TT	TT	INTERGENIC		
SNP_74784B_17936	scaffold3038	NW_004517831.1	17936	GG	AA	AA	INTERGENIC		
SNP_74785B_19202	scaffold3038	NW_004517831.1	19202	GG	AA	AA	INTERGENIC		
SNP_74786B_19214	scaffold3038	NW_004517831.1	19214	TT	GG	GG	INTERGENIC		
SNP_74787B_21646	scaffold3038	NW_004517831.1	21646	GG	CC	CC	INTERGENIC		
SNP_74788B_24177	scaffold3038	NW_004517831.1	24177	CC	GG	GG	INTERGENIC		
SNP_74789B_24308	scaffold3038	NW_004517831.1	24308	GG	AA	AA	INTERGENIC		
SNP_74790B_14422	scaffold3046	NW_004517836.1	14422	CC	TT	TT	INTERGENIC		
SNP_74792B_14477	scaffold3046	NW_004517836.1	14477	CC	GG	GG	INTERGENIC		
SNP_74793B_14501	scaffold3046	NW_004517836.1	14501	CC	AA	AA	INTERGENIC		
SNP_74794B_14517	scaffold3046	NW_004517836.1	14517	TT	GG	GG	INTERGENIC		
SNP_74795B_417	scaffold3049	NW_004517839.1	417	TT	CC	CC	INTERGENIC		
SNP_74796B_501	scaffold3049	NW_004517839.1	501	AA	GG	GG	INTERGENIC		
SNP_74797B_1073	scaffold3049	NW_004517839.1	1073	GG	TT	TT	INTERGENIC		
SNP_74798B_1125	scaffold3049	NW_004517839.1	1125	TT	CC	CC	INTERGENIC		
SNP_74799B_178	scaffold3050	NW_004517840.1	178	CC	TT	TT	INTERGENIC		
SNP_74800B_458	scaffold3050	NW_004517840.1	458	TT	AA	AA	INTERGENIC		
SNP_74801B_725	scaffold3050	NW_004517840.1	725	CC	GG	GG	INTERGENIC		
SNP_74802B_737	scaffold3050	NW_004517840.1	737	CC	AA	AA	INTERGENIC		
SNP_74803B_4874	scaffold3051	NW_004517841.1	4874	GG	CC	CC	INTERGENIC		
SNP_74804B_4877	scaffold3051	NW_004517841.1	4877	TT	CC	CC	INTERGENIC		
SNP_74805B_4964	scaffold3051	NW_004517841.1	4964	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74806B_4976	scaffold3051	NW_004517841.1	4976	GG	AA	AA	INTERGENIC		
SNP_74807B_4994	scaffold3051	NW_004517841.1	4994	AA	GG	GG	INTERGENIC		
SNP_74808B_5093	scaffold3051	NW_004517841.1	5093	CC	TT	TT	INTERGENIC		
SNP_74809B_5209	scaffold3051	NW_004517841.1	5209	GG	CC	CC	INTERGENIC		
SNP_74810B_5236	scaffold3051	NW_004517841.1	5236	CC	TT	TT	INTERGENIC		
SNP_74811B_5282	scaffold3051	NW_004517841.1	5282	AA	GG	GG	INTERGENIC		
SNP_74812B_5292	scaffold3051	NW_004517841.1	5292	GG	AA	AA	INTERGENIC		
SNP_74813B_5301	scaffold3051	NW_004517841.1	5301	GG	AA	AA	INTERGENIC		
SNP_74814B_5547	scaffold3051	NW_004517841.1	5547	CC	TT	TT	INTERGENIC		
SNP_74815B_5559	scaffold3051	NW_004517841.1	5559	GG	TT	TT	INTERGENIC		
SNP_74816B_5595	scaffold3051	NW_004517841.1	5595	TT	GG	GG	INTERGENIC		
SNP_74817B_8456	scaffold3051	NW_004517841.1	8456	GG	CC	CC	INTERGENIC		
SNP_74818B_10814	scaffold3051	NW_004517841.1	10814	TT	CC	CC	INTERGENIC		
SNP_74819B_17833	scaffold3051	NW_004517841.1	17833	AA	GG	GG	INTERGENIC		
SNP_74820B_17877	scaffold3051	NW_004517841.1	17877	CC	AA	AA	INTERGENIC		
SNP_74821B_18526	scaffold3051	NW_004517841.1	18526	TT	GG	GG	INTERGENIC		
SNP_74822B_18644	scaffold3051	NW_004517841.1	18644	CC	AA	AA	INTERGENIC		
SNP_74823B_18862	scaffold3051	NW_004517841.1	18862	GG	TT	TT	INTERGENIC		
SNP_74824B_1556	scaffold3052	NW_004517842.1	1556	CC	GG	GG	INTERGENIC		
SNP_74825B_9375	scaffold3052	NW_004517842.1	9375	GG	AA	AA	INTERGENIC		
SNP_74826B_27721	scaffold3058	NW_004517845.1	27721	AA	CC	CC	INTERGENIC		
SNP_74827B_27774	scaffold3058	NW_004517845.1	27774	TT	AA	AA	INTERGENIC		
SNP_74828B_27787	scaffold3058	NW_004517845.1	27787	TT	CC	CC	INTERGENIC		
SNP_74829B_27811	scaffold3058	NW_004517845.1	27811	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74830B_27813	scaffold3058	NW_004517845.1	27813	CC	AA	AA	INTERGENIC		
SNP_74831B_28092	scaffold3058	NW_004517845.1	28092	GG	TT	TT	INTERGENIC		
SNP_74832B_1411	scaffold3059	NW_004517846.1	1411	TT	CC	CC	INTERGENIC		
SNP_74833B_2128	scaffold3059	NW_004517846.1	2128	GG	AA	AA	INTERGENIC		
SNP_74834B_2405	scaffold3059	NW_004517846.1	2405	TT	AA	AA	INTERGENIC		
SNP_74835B_3019	scaffold3059	NW_004517846.1	3019	AA	GG	GG	INTERGENIC		
SNP_74836B_3687	scaffold3059	NW_004517846.1	3687	AA	GG	GG	INTERGENIC		
SNP_74837B_4008	scaffold3059	NW_004517846.1	4008	GG	TT	TT	INTERGENIC		
SNP_74838B_94	scaffold3061	NW_004517848.1	94	TT	CC	CC	INTERGENIC		
SNP_74839B_192	scaffold3061	NW_004517848.1	192	AA	GG	GG	INTERGENIC		
SNP_74840B_512	scaffold3061	NW_004517848.1	512	CC	TT	TT	INTERGENIC		
SNP_74841B_620	scaffold3061	NW_004517848.1	620	GG	CC	CC	INTERGENIC		
SNP_74842B_682	scaffold3061	NW_004517848.1	682	AA	GG	GG	INTERGENIC		
SNP_74843B_689	scaffold3061	NW_004517848.1	689	TT	CC	CC	INTERGENIC		
SNP_74844B_707	scaffold3061	NW_004517848.1	707	GG	AA	AA	INTERGENIC		
SNP_74845B_718	scaffold3061	NW_004517848.1	718	CC	TT	TT	INTERGENIC		
SNP_74846B_750	scaffold3061	NW_004517848.1	750	CC	AA	AA	INTERGENIC		
SNP_74847B_779	scaffold3061	NW_004517848.1	779	AA	GG	GG	INTERGENIC		
SNP_74848B_794	scaffold3061	NW_004517848.1	794	TT	CC	CC	INTERGENIC		
SNP_74849B_1872	scaffold3067	NW_004517851.1	1872	CC	TT	TT	INTERGENIC		
SNP_74850B_2028	scaffold3067	NW_004517851.1	2028	AA	GG	GG	INTERGENIC		
SNP_74852B_264	scaffold3076	NW_004517858.1	264	CC	TT	TT	INTERGENIC		
SNP_74853B_317	scaffold3076	NW_004517858.1	317	TT	CC	CC	INTERGENIC		
SNP_74854B_530	scaffold3076	NW_004517858.1	530	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74855B_588	scaffold3076	NW_004517858.1	588	GG	TT	TT	INTERGENIC		
SNP_74856B_641	scaffold3076	NW_004517858.1	641	CC	TT	TT	INTERGENIC		
SNP_74857B_705	scaffold3076	NW_004517858.1	705	AA	GG	GG	INTERGENIC		
SNP_74858B_865	scaffold3076	NW_004517858.1	865	TT	CC	CC	INTERGENIC		
SNP_74859B_1137	scaffold3076	NW_004517858.1	1137	AA	TT	TT	INTERGENIC		
SNP_74860B_1655	scaffold3076	NW_004517858.1	1655	CC	TT	TT	INTERGENIC		
SNP_74861B_1950	scaffold3076	NW_004517858.1	1950	CC	AA	AA	INTERGENIC		
SNP_74862B_1988	scaffold3076	NW_004517858.1	1988	TT	GG	GG	INTERGENIC		
SNP_74863B_11178	scaffold3076	NW_004517858.1	11178	CC	AA	AA	INTERGENIC		
SNP_74864B_11232	scaffold3076	NW_004517858.1	11232	CC	TT	TT	INTERGENIC		
SNP_74865B_11233	scaffold3076	NW_004517858.1	11233	CC	TT	TT	INTERGENIC		
SNP_74866B_5774	scaffold3079	NW_004517860.1	5774	AA	CC	CC	INTERGENIC		
SNP_74867B_6413	scaffold3079	NW_004517860.1	6413	GG	AA	AA	INTERGENIC		
SNP_74868B_6453	scaffold3079	NW_004517860.1	6453	AA	TT	TT	INTERGENIC		
SNP_74869B_6767	scaffold3079	NW_004517860.1	6767	CC	GG	GG	INTERGENIC		
SNP_74870B_6808	scaffold3079	NW_004517860.1	6808	CC	TT	TT	INTERGENIC		
SNP_74871B_2495	scaffold3082	NW_004517862.1	2495	AA	GG	GG	INTERGENIC		
SNP_74872B_2839	scaffold3082	NW_004517862.1	2839	TT	AA	AA	INTERGENIC		
SNP_74873B_7405	scaffold3082	NW_004517862.1	7405	TT	CC	CC	INTERGENIC		
SNP_74874B_7413	scaffold3082	NW_004517862.1	7413	AA	CC	CC	INTERGENIC		
SNP_74875B_7459	scaffold3082	NW_004517862.1	7459	AA	GG	GG	INTERGENIC		
SNP_74876B_7460	scaffold3082	NW_004517862.1	7460	CC	TT	TT	INTERGENIC		
SNP_74878B_426	scaffold3092	NW_004517868.1	426	GG	AA	AA	INTERGENIC		
SNP_74880B_19377	scaffold3093	NW_004517869.1	19377	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74882B_19792	scaffold3093	NW_004517869.1	19792	AA	GG	GG	INTERGENIC		
SNP_74883B_20130	scaffold3093	NW_004517869.1	20130	GG	CC	CC	INTERGENIC		
SNP_74884B_552	scaffold3094	NW_004517870.1	552	CC	TT	TT	INTERGENIC		
SNP_74885B_11931	scaffold3094	NW_004517870.1	11931	AA	TT	TT	INTERGENIC		
SNP_74886B_799	scaffold3095	NW_004517871.1	799	GG	CC	CC	INTERGENIC		
SNP_74887B_837	scaffold3095	NW_004517871.1	837	GG	AA	AA	INTERGENIC		
SNP_74888B_1001	scaffold3095	NW_004517871.1	1001	AA	GG	GG	INTERGENIC		
SNP_74889B_14225	scaffold3095	NW_004517871.1	14225	CC	TT	TT	INTERGENIC		
SNP_74890B_14710	scaffold3095	NW_004517871.1	14710	AA	TT	TT	INTERGENIC		
SNP_74891B_14761	scaffold3095	NW_004517871.1	14761	CC	AA	AA	INTERGENIC		
SNP_74892B_14794	scaffold3095	NW_004517871.1	14794	GG	AA	AA	INTERGENIC		
SNP_74893B_14807	scaffold3095	NW_004517871.1	14807	TT	CC	CC	INTERGENIC		
SNP_74894B_14922	scaffold3095	NW_004517871.1	14922	AA	CC	CC	INTERGENIC		
SNP_74895B_15091	scaffold3095	NW_004517871.1	15091	AA	GG	GG	INTERGENIC		
SNP_74896B_15253	scaffold3095	NW_004517871.1	15253	GG	AA	AA	INTERGENIC		
SNP_74897B_15714	scaffold3095	NW_004517871.1	15714	CC	AA	AA	INTERGENIC		
SNP_74898B_15731	scaffold3095	NW_004517871.1	15731	CC	AA	AA	INTERGENIC		
SNP_74899B_15752	scaffold3095	NW_004517871.1	15752	GG	AA	AA	INTERGENIC		
SNP_74900B_15776	scaffold3095	NW_004517871.1	15776	TT	CC	CC	INTERGENIC		
SNP_74901B_15788	scaffold3095	NW_004517871.1	15788	TT	AA	AA	INTERGENIC		
SNP_74902B_15946	scaffold3095	NW_004517871.1	15946	CC	GG	GG	INTERGENIC		
SNP_74903B_4981	scaffold3097	NW_004517873.1	4981	CC	GG	GG	INTERGENIC		
SNP_74904B_5006	scaffold3097	NW_004517873.1	5006	CC	TT	TT	INTERGENIC		
SNP_74905B_5094	scaffold3097	NW_004517873.1	5094	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74906B_5183	scaffold3097	NW_004517873.1	5183	TT	GG	GG	INTERGENIC		
SNP_74907B_6495	scaffold3097	NW_004517873.1	6495	GG	TT	TT	INTERGENIC		
SNP_74908B_6850	scaffold3097	NW_004517873.1	6850	GG	TT	TT	INTERGENIC		
SNP_74909B_7263	scaffold3097	NW_004517873.1	7263	GG	AA	AA	INTERGENIC		
SNP_74910B_7309	scaffold3097	NW_004517873.1	7309	GG	AA	AA	INTERGENIC		
SNP_74911B_7314	scaffold3097	NW_004517873.1	7314	GG	AA	AA	INTERGENIC		
SNP_74912B_7552	scaffold3097	NW_004517873.1	7552	GG	AA	AA	INTERGENIC		
SNP_74913B_7630	scaffold3097	NW_004517873.1	7630	GG	AA	AA	INTERGENIC		
SNP_74914B_7710	scaffold3097	NW_004517873.1	7710	TT	CC	CC	INTERGENIC		
SNP_74915B_7724	scaffold3097	NW_004517873.1	7724	GG	CC	CC	INTERGENIC		
SNP_74916B_7860	scaffold3097	NW_004517873.1	7860	TT	GG	GG	INTERGENIC		
SNP_74917B_8008	scaffold3097	NW_004517873.1	8008	GG	TT	TT	INTERGENIC		
SNP_74918B_10435	scaffold3097	NW_004517873.1	10435	CC	GG	GG	INTERGENIC		
SNP_74919B_10610	scaffold3097	NW_004517873.1	10610	TT	GG	GG	INTERGENIC		
SNP_74920B_10680	scaffold3097	NW_004517873.1	10680	GG	CC	CC	INTERGENIC		
SNP_74921B_10687	scaffold3097	NW_004517873.1	10687	AA	CC	CC	INTERGENIC		
SNP_74922B_11827	scaffold3097	NW_004517873.1	11827	TT	CC	CC	INTERGENIC		
SNP_74923B_1206	scaffold3100	NW_004517876.1	1206	GG	CC	CC	INTERGENIC		
SNP_74924B_1238	scaffold3100	NW_004517876.1	1238	AA	TT	TT	INTERGENIC		
SNP_74925B_1079	scaffold3104	NW_004517878.1	1079	CC	GG	GG	INTERGENIC		
SNP_74926B_472	scaffold3106	NW_004517879.1	472	CC	TT	TT	INTERGENIC		
SNP_74927B_698	scaffold3106	NW_004517879.1	698	AA	CC	CC	INTERGENIC		
SNP_74928B_705	scaffold3106	NW_004517879.1	705	GG	AA	AA	INTERGENIC		
SNP_74929B_722	scaffold3106	NW_004517879.1	722	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74930B_754	scaffold3106	NW_004517879.1	754	CC	AA	AA	INTERGENIC		
SNP_74931B_815	scaffold3106	NW_004517879.1	815	AA	GG	GG	INTERGENIC		
SNP_74932B_1245	scaffold3106	NW_004517879.1	1245	CC	AA	AA	INTERGENIC		
SNP_74933B_6231	scaffold3111	NW_004517882.1	6231	AA	TT	TT	DRR	101508035	serine/arginine repetitive matrix protein 1-like
SNP_74934B_6296	scaffold3111	NW_004517882.1	6296	GG	AA	AA	DRR	101508035	serine/arginine repetitive matrix protein 1-like
SNP_74935B_6343	scaffold3111	NW_004517882.1	6343	CC	TT	TT	DRR	101508035	serine/arginine repetitive matrix protein 1-like
SNP_74936B_7883	scaffold3111	NW_004517882.1	7883	TT	CC	CC	NON_SYNONYMOUS_CODING	101508035	serine/arginine repetitive matrix protein 1-like
SNP_74937B_8078	scaffold3111	NW_004517882.1	8078	AA	GG	GG	INTRON	101508035	serine/arginine repetitive matrix protein 1-like
SNP_74938B_8121	scaffold3111	NW_004517882.1	8121	TT	CC	CC	INTRON	101508035	serine/arginine repetitive matrix protein 1-like
SNP_74939B_672	scaffold3115	NW_004517884.1	672	TT	CC	CC	INTERGENIC		
SNP_74941B_19685	scaffold3115	NW_004517884.1	19685	AA	GG	GG	INTERGENIC		
SNP_74942B_27553	scaffold3115	NW_004517884.1	27553	TT	AA	AA	INTERGENIC		
SNP_74943B_27586	scaffold3115	NW_004517884.1	27586	TT	CC	CC	INTERGENIC		
SNP_74944B_27702	scaffold3115	NW_004517884.1	27702	TT	AA	AA	INTERGENIC		
SNP_74945B_27928	scaffold3115	NW_004517884.1	27928	AA	GG	GG	INTERGENIC		
SNP_74946B_28063	scaffold3115	NW_004517884.1	28063	AA	GG	GG	INTERGENIC		
SNP_74947B_47044	scaffold3115	NW_004517884.1	47044	GG	AA	AA	INTERGENIC		
SNP_74948B_47086	scaffold3115	NW_004517884.1	47086	CC	AA	AA	INTERGENIC		
SNP_74949B_47121	scaffold3115	NW_004517884.1	47121	GG	AA	AA	INTERGENIC		
SNP_74950B_48632	scaffold3115	NW_004517884.1	48632	TT	CC	CC	INTERGENIC		
SNP_74951B_61879	scaffold3115	NW_004517884.1	61879	CC	GG	GG	INTERGENIC		
SNP_74952B_62021	scaffold3115	NW_004517884.1	62021	GG	AA	AA	INTERGENIC		
SNP_74953B_62226	scaffold3115	NW_004517884.1	62226	AA	GG	GG	INTERGENIC		
SNP_74954B_62572	scaffold3115	NW_004517884.1	62572	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74958B_63828	scaffold3115	NW_004517884.1	63828	CC	TT	TT	INTERGENIC		
SNP_74959B_63876	scaffold3115	NW_004517884.1	63876	CC	AA	AA	INTERGENIC		
SNP_74960B_63939	scaffold3115	NW_004517884.1	63939	TT	CC	CC	INTERGENIC		
SNP_74962B_64037	scaffold3115	NW_004517884.1	64037	GG	TT	TT	INTERGENIC		
SNP_74963B_77055	scaffold3115	NW_004517884.1	77055	AA	TT	TT	INTERGENIC		
SNP_74964B_77076	scaffold3115	NW_004517884.1	77076	TT	AA	AA	INTERGENIC		
SNP_74965B_88254	scaffold3115	NW_004517884.1	88254	GG	TT	TT	URR	101508980	40S ribosomal protein S8-2-like
SNP_74966B_64	scaffold3117	NW_004517886.1	64	AA	TT	TT	INTERGENIC		
SNP_74967B_66	scaffold3117	NW_004517886.1	66	TT	GG	GG	INTERGENIC		
SNP_74968B_80	scaffold3117	NW_004517886.1	80	TT	GG	GG	INTERGENIC		
SNP_74969B_91	scaffold3117	NW_004517886.1	91	AA	CC	CC	INTERGENIC		
SNP_74970B_3508	scaffold3118	NW_004517887.1	3508	GG	TT	TT	INTERGENIC		
SNP_74971B_3559	scaffold3118	NW_004517887.1	3559	CC	AA	AA	INTERGENIC		
SNP_74972B_3690	scaffold3118	NW_004517887.1	3690	TT	CC	CC	INTERGENIC		
SNP_74973B_3729	scaffold3118	NW_004517887.1	3729	TT	CC	CC	INTERGENIC		
SNP_74974B_6534	scaffold3118	NW_004517887.1	6534	TT	AA	AA	INTERGENIC		
SNP_74975B_6568	scaffold3118	NW_004517887.1	6568	AA	CC	CC	INTERGENIC		
SNP_74976B_6580	scaffold3118	NW_004517887.1	6580	CC	GG	GG	INTERGENIC		
SNP_74977B_6582	scaffold3118	NW_004517887.1	6582	CC	AA	AA	INTERGENIC		
SNP_74978B_6586	scaffold3118	NW_004517887.1	6586	GG	AA	AA	INTERGENIC		
SNP_74979B_6607	scaffold3118	NW_004517887.1	6607	AA	GG	GG	INTERGENIC		
SNP_74980B_6824	scaffold3118	NW_004517887.1	6824	AA	GG	GG	INTERGENIC		
SNP_74981B_6888	scaffold3118	NW_004517887.1	6888	AA	TT	TT	INTERGENIC		
SNP_74982B_4801	scaffold3121	NW_004517890.1	4801	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_74983B_6319	scaffold3121	NW_004517890.1	6319	CC	TT	TT	DRR	101509606	Unknown function
SNP_74984B_8063	scaffold3121	NW_004517890.1	8063	TT	CC	CC	INTRON	101509606	Unknown function
SNP_74985B_8064	scaffold3121	NW_004517890.1	8064	AA	CC	CC	INTRON	101509606	Unknown function
SNP_74986B_8868	scaffold3121	NW_004517890.1	8868	CC	GG	GG	INTRON	101509606	Unknown function
SNP_74987B_8883	scaffold3121	NW_004517890.1	8883	CC	TT	TT	INTRON	101509606	Unknown function
SNP_74988B_8932	scaffold3121	NW_004517890.1	8932	TT	CC	CC	INTRON	101509606	Unknown function
SNP_74989B_8942	scaffold3121	NW_004517890.1	8942	TT	AA	AA	INTRON	101509606	Unknown function
SNP_74990B_8952	scaffold3121	NW_004517890.1	8952	GG	TT	TT	INTRON	101509606	Unknown function
SNP_74991B_3900	scaffold3124	NW_004517892.1	3900	TT	GG	GG	INTERGENIC		
SNP_74992B_3919	scaffold3124	NW_004517892.1	3919	CC	TT	TT	INTERGENIC		
SNP_74993B_4020	scaffold3124	NW_004517892.1	4020	TT	CC	CC	INTERGENIC		
SNP_74994B_4040	scaffold3124	NW_004517892.1	4040	CC	GG	GG	INTERGENIC		
SNP_74995B_4047	scaffold3124	NW_004517892.1	4047	AA	TT	TT	INTERGENIC		
SNP_74996B_4186	scaffold3124	NW_004517892.1	4186	TT	GG	GG	INTERGENIC		
SNP_74997B_4222	scaffold3124	NW_004517892.1	4222	TT	GG	GG	INTERGENIC		
SNP_74998B_4254	scaffold3124	NW_004517892.1	4254	TT	GG	GG	INTERGENIC		
SNP_74999B_1674	scaffold3125	NW_004517893.1	1674	GG	TT	TT	INTERGENIC		
SNP_75000B_1694	scaffold3125	NW_004517893.1	1694	TT	CC	CC	INTERGENIC		
SNP_75001B_601	scaffold3126	NW_004517894.1	601	AA	CC	CC	INTERGENIC		
SNP_75002B_20311	scaffold3126	NW_004517894.1	20311	AA	GG	GG	INTERGENIC		
SNP_75003B_20327	scaffold3126	NW_004517894.1	20327	CC	TT	TT	INTERGENIC		
SNP_75004B_20355	scaffold3126	NW_004517894.1	20355	AA	GG	GG	INTERGENIC		
SNP_75005B_20360	scaffold3126	NW_004517894.1	20360	CC	TT	TT	INTERGENIC		
SNP_75006B_20369	scaffold3126	NW_004517894.1	20369	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75007B_20399	scaffold3126	NW_004517894.1	20399	AA	GG	GG	INTERGENIC		
SNP_75008B_20420	scaffold3126	NW_004517894.1	20420	AA	GG	GG	INTERGENIC		
SNP_75009B_20435	scaffold3126	NW_004517894.1	20435	GG	AA	AA	INTERGENIC		
SNP_75010B_279	scaffold3127	NW_004517895.1	279	GG	TT	TT	INTERGENIC		
SNP_75011B_349	scaffold3127	NW_004517895.1	349	TT	AA	AA	INTERGENIC		
SNP_75012B_986	scaffold3127	NW_004517895.1	986	TT	CC	CC	INTERGENIC		
SNP_75013B_1020	scaffold3127	NW_004517895.1	1020	AA	TT	TT	INTERGENIC		
SNP_75014B_2177	scaffold3127	NW_004517895.1	2177	TT	CC	CC	INTERGENIC		
SNP_75016B_2239	scaffold3127	NW_004517895.1	2239	GG	TT	TT	INTERGENIC		
SNP_75017B_2615	scaffold3127	NW_004517895.1	2615	GG	AA	AA	INTERGENIC		
SNP_75018B_2673	scaffold3127	NW_004517895.1	2673	GG	CC	CC	INTERGENIC		
SNP_75019B_2892	scaffold3127	NW_004517895.1	2892	AA	CC	CC	INTERGENIC		
SNP_75020B_3239	scaffold3127	NW_004517895.1	3239	AA	GG	GG	INTERGENIC		
SNP_75021B_3579	scaffold3127	NW_004517895.1	3579	TT	GG	GG	INTERGENIC		
SNP_75022B_3596	scaffold3127	NW_004517895.1	3596	CC	GG	GG	INTERGENIC		
SNP_75023B_3647	scaffold3127	NW_004517895.1	3647	TT	GG	GG	INTERGENIC		
SNP_75024B_3764	scaffold3127	NW_004517895.1	3764	TT	GG	GG	INTERGENIC		
SNP_75025B_3867	scaffold3127	NW_004517895.1	3867	AA	TT	TT	INTERGENIC		
SNP_75026B_4088	scaffold3127	NW_004517895.1	4088	AA	CC	CC	INTERGENIC		
SNP_75027B_4140	scaffold3127	NW_004517895.1	4140	AA	CC	CC	INTERGENIC		
SNP_75028B_8834	scaffold3127	NW_004517895.1	8834	GG	CC	CC	INTERGENIC		
SNP_75030B_8880	scaffold3127	NW_004517895.1	8880	GG	AA	AA	INTERGENIC		
SNP_75031B_8890	scaffold3127	NW_004517895.1	8890	TT	GG	GG	INTERGENIC		
SNP_75032B_8984	scaffold3127	NW_004517895.1	8984	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75033B_9175	scaffold3127	NW_004517895.1	9175	AA	TT	TT	INTERGENIC		
SNP_75034B_9484	scaffold3127	NW_004517895.1	9484	TT	CC	CC	INTERGENIC		
SNP_75035B_9700	scaffold3127	NW_004517895.1	9700	AA	GG	GG	INTERGENIC		
SNP_75036B_9838	scaffold3127	NW_004517895.1	9838	CC	AA	AA	INTERGENIC		
SNP_75037B_9876	scaffold3127	NW_004517895.1	9876	TT	AA	AA	INTERGENIC		
SNP_75038B_9878	scaffold3127	NW_004517895.1	9878	GG	TT	TT	INTERGENIC		
SNP_75039B_9885	scaffold3127	NW_004517895.1	9885	AA	GG	GG	INTERGENIC		
SNP_75040B_9919	scaffold3127	NW_004517895.1	9919	GG	CC	CC	INTERGENIC		
SNP_75042B_12083	scaffold3127	NW_004517895.1	12083	CC	TT	TT	INTERGENIC		
SNP_75043B_12084	scaffold3127	NW_004517895.1	12084	CC	TT	TT	INTERGENIC		
SNP_75044B_12095	scaffold3127	NW_004517895.1	12095	GG	AA	AA	INTERGENIC		
SNP_75045B_12113	scaffold3127	NW_004517895.1	12113	AA	TT	TT	INTERGENIC		
SNP_75046B_12116	scaffold3127	NW_004517895.1	12116	AA	CC	CC	INTERGENIC		
SNP_75047B_12170	scaffold3127	NW_004517895.1	12170	TT	GG	GG	INTERGENIC		
SNP_75048B_12264	scaffold3127	NW_004517895.1	12264	CC	AA	AA	INTERGENIC		
SNP_75049B_12265	scaffold3127	NW_004517895.1	12265	TT	AA	AA	INTERGENIC		
SNP_75050B_12743	scaffold3127	NW_004517895.1	12743	AA	CC	CC	INTERGENIC		
SNP_75051B_12803	scaffold3127	NW_004517895.1	12803	TT	CC	CC	INTERGENIC		
SNP_75052B_13086	scaffold3127	NW_004517895.1	13086	AA	GG	GG	INTERGENIC		
SNP_75053B_13100	scaffold3127	NW_004517895.1	13100	CC	GG	GG	INTERGENIC		
SNP_75054B_13103	scaffold3127	NW_004517895.1	13103	CC	AA	AA	INTERGENIC		
SNP_75055B_18663	scaffold3127	NW_004517895.1	18663	TT	CC	CC	INTERGENIC		
SNP_75056B_18969	scaffold3127	NW_004517895.1	18969	AA	GG	GG	INTERGENIC		
SNP_75057B_19051	scaffold3127	NW_004517895.1	19051	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75058B_19239	scaffold3127	NW_004517895.1	19239	TT	AA	AA	INTERGENIC		
SNP_75059B_19245	scaffold3127	NW_004517895.1	19245	AA	GG	GG	INTERGENIC		
SNP_75060B_729	scaffold3134	NW_004517902.1	729	AA	GG	GG	INTERGENIC		
SNP_75061B_4515	scaffold3134	NW_004517902.1	4515	CC	TT	TT	INTERGENIC		
SNP_75062B_4585	scaffold3134	NW_004517902.1	4585	AA	CC	CC	INTERGENIC		
SNP_75063B_5687	scaffold3134	NW_004517902.1	5687	AA	TT	TT	INTERGENIC		
SNP_75064B_12105	scaffold3134	NW_004517902.1	12105	CC	TT	TT	INTERGENIC		
SNP_75067B_12243	scaffold3134	NW_004517902.1	12243	TT	AA	AA	INTERGENIC		
SNP_75068B_12518	scaffold3134	NW_004517902.1	12518	CC	AA	AA	INTERGENIC		
SNP_75069B_12544	scaffold3134	NW_004517902.1	12544	AA	GG	GG	INTERGENIC		
SNP_75070B_12559	scaffold3134	NW_004517902.1	12559	TT	GG	GG	INTERGENIC		
SNP_75071B_12567	scaffold3134	NW_004517902.1	12567	TT	CC	CC	INTERGENIC		
SNP_75072B_12682	scaffold3134	NW_004517902.1	12682	TT	CC	CC	DRR	101510260	aspartic proteinase-like protein 2
SNP_75073B_12742	scaffold3134	NW_004517902.1	12742	AA	GG	GG	DRR	101510260	aspartic proteinase-like protein 2
SNP_75074B_13012	scaffold3134	NW_004517902.1	13012	TT	CC	CC	DRR	101510260	aspartic proteinase-like protein 2
SNP_75075B_13047	scaffold3134	NW_004517902.1	13047	GG	AA	AA	DRR	101510260	aspartic proteinase-like protein 2
SNP_75077B_13535	scaffold3134	NW_004517902.1	13535	CC	AA	AA	DRR	101510260	aspartic proteinase-like protein 2
SNP_75078B_13544	scaffold3134	NW_004517902.1	13544	AA	GG	GG	DRR	101510260	aspartic proteinase-like protein 2
SNP_75079B_13549	scaffold3134	NW_004517902.1	13549	TT	CC	CC	DRR	101510260	aspartic proteinase-like protein 2
SNP_75080B_13683	scaffold3134	NW_004517902.1	13683	AA	GG	GG	INTERGENIC		
SNP_75081B_13688	scaffold3134	NW_004517902.1	13688	TT	CC	CC	INTERGENIC		
SNP_75082B_13697	scaffold3134	NW_004517902.1	13697	AA	TT	TT	INTERGENIC		
SNP_75083B_13925	scaffold3134	NW_004517902.1	13925	AA	TT	TT	INTRON	101510260	aspartic proteinase-like protein 2
SNP_75084B_14024	scaffold3134	NW_004517902.1	14024	AA	GG	GG	SYNONYMOUS_CODING	101510260	aspartic proteinase-like protein 2

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75085B_14042	scaffold3134	NW_004517902.1	14042	AA	GG	GG	SYNONYMOUS_CODING	101510260	aspartic proteinase-like protein 2
SNP_75086B_14119	scaffold3134	NW_004517902.1	14119	AA	CC	CC	INTRON	101510260	aspartic proteinase-like protein 2
SNP_75087B_14295	scaffold3134	NW_004517902.1	14295	AA	CC	CC	INTRON	101510260	aspartic proteinase-like protein 2
SNP_75088B_14470	scaffold3134	NW_004517902.1	14470	GG	CC	CC	SYNONYMOUS_CODING	101510260	aspartic proteinase-like protein 2
SNP_75089B_14681	scaffold3134	NW_004517902.1	14681	GG	AA	AA	SYNONYMOUS_CODING	101510260	aspartic proteinase-like protein 2
SNP_75091B_15510	scaffold3134	NW_004517902.1	15510	TT	CC	CC	INTRON	101510260	aspartic proteinase-like protein 2
SNP_75092B_67129	scaffold3134	NW_004517902.1	67129	GG	AA	AA	INTERGENIC		
SNP_75093B_67216	scaffold3134	NW_004517902.1	67216	TT	CC	CC	INTERGENIC		
SNP_75094B_67270	scaffold3134	NW_004517902.1	67270	CC	AA	AA	INTERGENIC		
SNP_75095B_67316	scaffold3134	NW_004517902.1	67316	CC	AA	AA	INTERGENIC		
SNP_75096B_76204	scaffold3134	NW_004517902.1	76204	CC	TT	TT	INTERGENIC		
SNP_75097B_76208	scaffold3134	NW_004517902.1	76208	GG	AA	AA	INTERGENIC		
SNP_75098B_76268	scaffold3134	NW_004517902.1	76268	GG	TT	TT	INTERGENIC		
SNP_75099B_80617	scaffold3134	NW_004517902.1	80617	AA	CC	CC	INTERGENIC		
SNP_75101B_4017	scaffold3135	NW_004517903.1	4017	GG	AA	AA	INTERGENIC		
SNP_75105B_966	scaffold3139	NW_004517907.1	966	GG	AA	AA	INTERGENIC		
SNP_75106B_986	scaffold3139	NW_004517907.1	986	TT	GG	GG	INTERGENIC		
SNP_75107B_600	scaffold3144	NW_004517911.1	600	TT	AA	AA	INTERGENIC		
SNP_75108B_3576	scaffold3149	NW_004517915.1	3576	CC	AA	AA	INTERGENIC		
SNP_75109B_3688	scaffold3149	NW_004517915.1	3688	CC	TT	TT	INTERGENIC		
SNP_75110B_3867	scaffold3149	NW_004517915.1	3867	TT	AA	AA	INTERGENIC		
SNP_75111B_3879	scaffold3149	NW_004517915.1	3879	CC	TT	TT	INTERGENIC		
SNP_75112B_3882	scaffold3149	NW_004517915.1	3882	AA	GG	GG	INTERGENIC		
SNP_75113B_4267	scaffold3149	NW_004517915.1	4267	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75114B_4800	scaffold3149	NW_004517915.1	4800	TT	CC	CC	INTERGENIC		
SNP_75115B_4807	scaffold3149	NW_004517915.1	4807	CC	TT	TT	INTERGENIC		
SNP_75116B_4861	scaffold3149	NW_004517915.1	4861	CC	AA	AA	INTERGENIC		
SNP_75117B_5048	scaffold3149	NW_004517915.1	5048	CC	GG	GG	INTERGENIC		
SNP_75118B_5143	scaffold3149	NW_004517915.1	5143	TT	GG	GG	INTERGENIC		
SNP_75119B_5152	scaffold3149	NW_004517915.1	5152	GG	AA	AA	INTERGENIC		
SNP_75120B_5157	scaffold3149	NW_004517915.1	5157	GG	AA	AA	INTERGENIC		
SNP_75121B_5162	scaffold3149	NW_004517915.1	5162	AA	GG	GG	INTERGENIC		
SNP_75122B_5214	scaffold3149	NW_004517915.1	5214	TT	CC	CC	INTERGENIC		
SNP_75123B_5249	scaffold3149	NW_004517915.1	5249	GG	AA	AA	INTERGENIC		
SNP_75124B_5283	scaffold3149	NW_004517915.1	5283	AA	GG	GG	INTERGENIC		
SNP_75125B_5291	scaffold3149	NW_004517915.1	5291	TT	CC	CC	INTERGENIC		
SNP_75126B_5317	scaffold3149	NW_004517915.1	5317	CC	TT	TT	INTERGENIC		
SNP_75127B_5434	scaffold3149	NW_004517915.1	5434	TT	GG	GG	INTERGENIC		
SNP_75128B_5536	scaffold3149	NW_004517915.1	5536	TT	AA	AA	INTERGENIC		
SNP_75129B_5570	scaffold3149	NW_004517915.1	5570	TT	CC	CC	INTERGENIC		
SNP_75130B_9130	scaffold3149	NW_004517915.1	9130	AA	TT	TT	INTERGENIC		
SNP_75131B_9175	scaffold3149	NW_004517915.1	9175	CC	TT	TT	INTERGENIC		
SNP_75132B_9251	scaffold3149	NW_004517915.1	9251	CC	AA	AA	INTERGENIC		
SNP_75133B_9450	scaffold3149	NW_004517915.1	9450	CC	TT	TT	INTERGENIC		
SNP_75134B_9487	scaffold3149	NW_004517915.1	9487	AA	TT	TT	INTERGENIC		
SNP_75135B_9513	scaffold3149	NW_004517915.1	9513	AA	GG	GG	INTERGENIC		
SNP_75137B_9787	scaffold3149	NW_004517915.1	9787	CC	GG	GG	INTERGENIC		
SNP_75138B_9850	scaffold3149	NW_004517915.1	9850	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75139B_9870	scaffold3149	NW_004517915.1	9870	AA	GG	GG	INTERGENIC		
SNP_75140B_10184	scaffold3149	NW_004517915.1	10184	AA	CC	CC	INTERGENIC		
SNP_75141B_10433	scaffold3149	NW_004517915.1	10433	GG	CC	CC	INTERGENIC		
SNP_75142B_10445	scaffold3149	NW_004517915.1	10445	GG	TT	TT	INTERGENIC		
SNP_75143B_22926	scaffold3149	NW_004517915.1	22926	TT	CC	CC	INTERGENIC		
SNP_75144B_351	scaffold3155	NW_004517917.1	351	AA	GG	GG	INTERGENIC		
SNP_75145B_367	scaffold3155	NW_004517917.1	367	GG	AA	AA	INTERGENIC		
SNP_75146B_487	scaffold3155	NW_004517917.1	487	AA	GG	GG	INTERGENIC		
SNP_75148B_524	scaffold3155	NW_004517917.1	524	AA	GG	GG	INTERGENIC		
SNP_75149B_555	scaffold3155	NW_004517917.1	555	TT	AA	AA	INTERGENIC		
SNP_75150B_583	scaffold3155	NW_004517917.1	583	AA	GG	GG	INTERGENIC		
SNP_75151B_5550	scaffold3155	NW_004517917.1	5550	CC	AA	AA	DRR	101511428	Unknown function
SNP_75152B_5558	scaffold3155	NW_004517917.1	5558	TT	CC	CC	DRR	101511428	Unknown function
SNP_75153B_5559	scaffold3155	NW_004517917.1	5559	GG	CC	CC	DRR	101511428	Unknown function
SNP_75154B_5579	scaffold3155	NW_004517917.1	5579	TT	CC	CC	DRR	101511428	Unknown function
SNP_75156B_5609	scaffold3155	NW_004517917.1	5609	CC	GG	GG	DRR	101511428	Unknown function
SNP_75157B_5610	scaffold3155	NW_004517917.1	5610	TT	CC	CC	DRR	101511428	Unknown function
SNP_75158B_5672	scaffold3155	NW_004517917.1	5672	TT	GG	GG	DRR	101511428	Unknown function
SNP_75159B_5697	scaffold3155	NW_004517917.1	5697	GG	TT	TT	DRR	101511428	Unknown function
SNP_75160B_5735	scaffold3155	NW_004517917.1	5735	AA	GG	GG	DRR	101511428	Unknown function
SNP_75161B_5748	scaffold3155	NW_004517917.1	5748	AA	GG	GG	DRR	101511428	Unknown function
SNP_75162B_5773	scaffold3155	NW_004517917.1	5773	AA	GG	GG	DRR	101511428	Unknown function
SNP_75164B_282	scaffold3159	NW_004517920.1	282	TT	AA	AA	INTERGENIC		
SNP_75165B_1660	scaffold3159	NW_004517920.1	1660	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75166B_5878	scaffold3160	NW_004517921.1	5878	TT	CC	CC	INTERGENIC		
SNP_75167B_5898	scaffold3160	NW_004517921.1	5898	CC	TT	TT	INTERGENIC		
SNP_75168B_5938	scaffold3160	NW_004517921.1	5938	GG	TT	TT	INTERGENIC		
SNP_75169B_5971	scaffold3160	NW_004517921.1	5971	GG	AA	AA	INTERGENIC		
SNP_75170B_5978	scaffold3160	NW_004517921.1	5978	AA	GG	GG	INTERGENIC		
SNP_75171B_6139	scaffold3160	NW_004517921.1	6139	CC	TT	TT	INTERGENIC		
SNP_75172B_7602	scaffold3160	NW_004517921.1	7602	TT	AA	AA	INTERGENIC		
SNP_75173B_7608	scaffold3160	NW_004517921.1	7608	CC	TT	TT	INTERGENIC		
SNP_75174B_7640	scaffold3160	NW_004517921.1	7640	CC	AA	AA	INTERGENIC		
SNP_75175B_7913	scaffold3160	NW_004517921.1	7913	TT	CC	CC	INTERGENIC		
SNP_75176B_7914	scaffold3160	NW_004517921.1	7914	GG	AA	AA	INTERGENIC		
SNP_75177B_7946	scaffold3160	NW_004517921.1	7946	GG	AA	AA	INTERGENIC		
SNP_75178B_7965	scaffold3160	NW_004517921.1	7965	TT	AA	AA	INTERGENIC		
SNP_75179B_7996	scaffold3160	NW_004517921.1	7996	AA	TT	TT	INTERGENIC		
SNP_75180B_7997	scaffold3160	NW_004517921.1	7997	AA	TT	TT	INTERGENIC		
SNP_75181B_7999	scaffold3160	NW_004517921.1	7999	TT	GG	GG	INTERGENIC		
SNP_75182B_8075	scaffold3160	NW_004517921.1	8075	AA	GG	GG	INTERGENIC		
SNP_75183B_8342	scaffold3160	NW_004517921.1	8342	TT	AA	AA	INTERGENIC		
SNP_75184B_8396	scaffold3160	NW_004517921.1	8396	AA	GG	GG	INTERGENIC		
SNP_75185B_8607	scaffold3160	NW_004517921.1	8607	AA	TT	TT	INTERGENIC		
SNP_75186B_8763	scaffold3160	NW_004517921.1	8763	CC	GG	GG	INTERGENIC		
SNP_75187B_8808	scaffold3160	NW_004517921.1	8808	AA	GG	GG	INTERGENIC		
SNP_75188B_8814	scaffold3160	NW_004517921.1	8814	CC	AA	AA	INTERGENIC		
SNP_75189B_8833	scaffold3160	NW_004517921.1	8833	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75190B_8841	scaffold3160	NW_004517921.1	8841	CC	TT	TT	INTERGENIC		
SNP_75191B_8852	scaffold3160	NW_004517921.1	8852	CC	TT	TT	INTERGENIC		
SNP_75192B_8896	scaffold3160	NW_004517921.1	8896	GG	CC	CC	INTERGENIC		
SNP_75193B_8965	scaffold3160	NW_004517921.1	8965	GG	CC	CC	INTERGENIC		
SNP_75194B_8991	scaffold3160	NW_004517921.1	8991	TT	CC	CC	INTERGENIC		
SNP_75195B_9066	scaffold3160	NW_004517921.1	9066	TT	GG	GG	INTERGENIC		
SNP_75196B_9093	scaffold3160	NW_004517921.1	9093	GG	AA	AA	INTERGENIC		
SNP_75197B_9131	scaffold3160	NW_004517921.1	9131	GG	AA	AA	INTERGENIC		
SNP_75198B_9239	scaffold3160	NW_004517921.1	9239	GG	AA	AA	INTERGENIC		
SNP_75199B_9267	scaffold3160	NW_004517921.1	9267	GG	AA	AA	INTERGENIC		
SNP_75200B_9321	scaffold3160	NW_004517921.1	9321	GG	CC	CC	INTERGENIC		
SNP_75201B_9361	scaffold3160	NW_004517921.1	9361	TT	GG	GG	INTERGENIC		
SNP_75202B_9423	scaffold3160	NW_004517921.1	9423	AA	CC	CC	INTERGENIC		
SNP_75203B_9454	scaffold3160	NW_004517921.1	9454	CC	AA	AA	INTERGENIC		
SNP_75204B_9495	scaffold3160	NW_004517921.1	9495	TT	CC	CC	INTERGENIC		
SNP_75205B_9522	scaffold3160	NW_004517921.1	9522	TT	CC	CC	INTERGENIC		
SNP_75206B_9629	scaffold3160	NW_004517921.1	9629	TT	GG	GG	INTERGENIC		
SNP_75207B_9630	scaffold3160	NW_004517921.1	9630	TT	AA	AA	INTERGENIC		
SNP_75208B_9760	scaffold3160	NW_004517921.1	9760	CC	TT	TT	INTERGENIC		
SNP_75209B_9761	scaffold3160	NW_004517921.1	9761	GG	TT	TT	INTERGENIC		
SNP_75210B_9778	scaffold3160	NW_004517921.1	9778	CC	TT	TT	INTERGENIC		
SNP_75211B_9790	scaffold3160	NW_004517921.1	9790	AA	GG	GG	INTERGENIC		
SNP_75213B_9844	scaffold3160	NW_004517921.1	9844	AA	GG	GG	INTERGENIC		
SNP_75214B_9864	scaffold3160	NW_004517921.1	9864	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75215B_9895	scaffold3160	NW_004517921.1	9895	AA	GG	GG	INTERGENIC		
SNP_75216B_9947	scaffold3160	NW_004517921.1	9947	AA	GG	GG	INTERGENIC		
SNP_75217B_9977	scaffold3160	NW_004517921.1	9977	CC	TT	TT	INTERGENIC		
SNP_75218B_10033	scaffold3160	NW_004517921.1	10033	AA	CC	CC	INTERGENIC		
SNP_75219B_10075	scaffold3160	NW_004517921.1	10075	TT	AA	AA	INTERGENIC		
SNP_75220B_10166	scaffold3160	NW_004517921.1	10166	AA	GG	GG	INTERGENIC		
SNP_75221B_10196	scaffold3160	NW_004517921.1	10196	AA	GG	GG	INTERGENIC		
SNP_75222B_10232	scaffold3160	NW_004517921.1	10232	TT	AA	AA	INTERGENIC		
SNP_75223B_10349	scaffold3160	NW_004517921.1	10349	CC	TT	TT	INTERGENIC		
SNP_75224B_10361	scaffold3160	NW_004517921.1	10361	CC	AA	AA	INTERGENIC		
SNP_75225B_10408	scaffold3160	NW_004517921.1	10408	AA	GG	GG	INTERGENIC		
SNP_75227B_10588	scaffold3160	NW_004517921.1	10588	TT	CC	CC	INTERGENIC		
SNP_75228B_10633	scaffold3160	NW_004517921.1	10633	CC	TT	TT	INTERGENIC		
SNP_75229B_10695	scaffold3160	NW_004517921.1	10695	TT	AA	AA	INTERGENIC		
SNP_75230B_10754	scaffold3160	NW_004517921.1	10754	TT	GG	GG	INTERGENIC		
SNP_75231B_10795	scaffold3160	NW_004517921.1	10795	GG	TT	TT	INTERGENIC		
SNP_75232B_11035	scaffold3160	NW_004517921.1	11035	GG	TT	TT	INTERGENIC		
SNP_75233B_22945	scaffold3160	NW_004517921.1	22945	TT	GG	GG	INTERGENIC		
SNP_75234B_22966	scaffold3160	NW_004517921.1	22966	CC	TT	TT	INTERGENIC		
SNP_75235B_5799	scaffold3161	NW_004517922.1	5799	TT	GG	GG	INTERGENIC		
SNP_75236B_5813	scaffold3161	NW_004517922.1	5813	TT	CC	CC	INTERGENIC		
SNP_75238B_403	scaffold3163	NW_004517923.1	403	AA	TT	TT	INTERGENIC		
SNP_75239B_455	scaffold3163	NW_004517923.1	455	TT	CC	CC	INTERGENIC		
SNP_75240B_582	scaffold3163	NW_004517923.1	582	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75241B_614	scaffold3163	NW_004517923.1	614	GG	TT	TT	INTERGENIC		
SNP_75242B_670	scaffold3163	NW_004517923.1	670	AA	GG	GG	INTERGENIC		
SNP_75243B_686	scaffold3163	NW_004517923.1	686	CC	TT	TT	INTERGENIC		
SNP_75244B_705	scaffold3163	NW_004517923.1	705	AA	GG	GG	INTERGENIC		
SNP_75245B_954	scaffold3163	NW_004517923.1	954	AA	TT	TT	INTERGENIC		
SNP_75246B_973	scaffold3163	NW_004517923.1	973	CC	TT	TT	INTERGENIC		
SNP_75247B_1111	scaffold3163	NW_004517923.1	1111	AA	TT	TT	INTERGENIC		
SNP_75248B_2411	scaffold3164	NW_004517924.1	2411	TT	CC	CC	INTERGENIC		
SNP_75249B_2469	scaffold3164	NW_004517924.1	2469	CC	TT	TT	INTERGENIC		
SNP_75250B_64	scaffold3168	NW_004517926.1	64	GG	AA	AA	INTERGENIC		
SNP_75251B_110	scaffold3168	NW_004517926.1	110	AA	CC	CC	INTERGENIC		
SNP_75252B_497	scaffold3168	NW_004517926.1	497	AA	GG	GG	INTERGENIC		
SNP_75254B_524	scaffold3168	NW_004517926.1	524	AA	TT	TT	INTERGENIC		
SNP_75255B_606	scaffold3168	NW_004517926.1	606	AA	GG	GG	INTERGENIC		
SNP_75256B_689	scaffold3168	NW_004517926.1	689	AA	GG	GG	INTERGENIC		
SNP_75257B_705	scaffold3168	NW_004517926.1	705	TT	CC	CC	INTERGENIC		
SNP_75258B_753	scaffold3168	NW_004517926.1	753	TT	AA	AA	INTERGENIC		
SNP_75259B_812	scaffold3168	NW_004517926.1	812	TT	CC	CC	INTERGENIC		
SNP_75260B_836	scaffold3168	NW_004517926.1	836	CC	TT	TT	INTERGENIC		
SNP_75261B_976	scaffold3168	NW_004517926.1	976	CC	TT	TT	INTERGENIC		
SNP_75262B_985	scaffold3168	NW_004517926.1	985	TT	CC	CC	INTERGENIC		
SNP_75263B_1038	scaffold3168	NW_004517926.1	1038	TT	AA	AA	INTERGENIC		
SNP_75264B_1076	scaffold3168	NW_004517926.1	1076	CC	TT	TT	INTERGENIC		
SNP_75265B_1364	scaffold3168	NW_004517926.1	1364	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75266B_1427	scaffold3168	NW_004517926.1	1427	AA	GG	GG	INTERGENIC		
SNP_75267B_1459	scaffold3168	NW_004517926.1	1459	CC	AA	AA	INTERGENIC		
SNP_75268B_1487	scaffold3168	NW_004517926.1	1487	TT	CC	CC	INTERGENIC		
SNP_75269B_1489	scaffold3168	NW_004517926.1	1489	TT	CC	CC	INTERGENIC		
SNP_75270B_1717	scaffold3168	NW_004517926.1	1717	CC	TT	TT	INTERGENIC		
SNP_75271B_1871	scaffold3168	NW_004517926.1	1871	AA	TT	TT	INTERGENIC		
SNP_75272B_1872	scaffold3168	NW_004517926.1	1872	TT	CC	CC	INTERGENIC		
SNP_75273B_1887	scaffold3168	NW_004517926.1	1887	CC	TT	TT	INTERGENIC		
SNP_75274B_1895	scaffold3168	NW_004517926.1	1895	GG	AA	AA	INTERGENIC		
SNP_75275B_1907	scaffold3168	NW_004517926.1	1907	CC	TT	TT	INTERGENIC		
SNP_75276B_2016	scaffold3168	NW_004517926.1	2016	AA	GG	GG	INTERGENIC		
SNP_75277B_543	scaffold3170	NW_004517928.1	543	AA	GG	GG	INTERGENIC		
SNP_75278B_10811	scaffold3170	NW_004517928.1	10811	AA	TT	TT	INTERGENIC		
SNP_75279B_73345	scaffold3170	NW_004517928.1	73345	AA	CC	CC	INTERGENIC		
SNP_75280B_76890	scaffold3170	NW_004517928.1	76890	GG	AA	AA	INTERGENIC		
SNP_75281B_77463	scaffold3170	NW_004517928.1	77463	CC	TT	TT	INTERGENIC		
SNP_75283B_204936	scaffold3170	NW_004517928.1	204936	AA	GG	GG	INTERGENIC		
SNP_75284B_212377	scaffold3170	NW_004517928.1	212377	GG	AA	AA	INTERGENIC		
SNP_75285B_216004	scaffold3170	NW_004517928.1	216004	AA	CC	CC	INTERGENIC		
SNP_75286B_1240	scaffold3171	NW_004517929.1	1240	AA	GG	GG	INTERGENIC		
SNP_75287B_1258	scaffold3171	NW_004517929.1	1258	TT	AA	AA	INTERGENIC		
SNP_75288B_1369	scaffold3171	NW_004517929.1	1369	TT	GG	GG	INTERGENIC		
SNP_75289B_1377	scaffold3171	NW_004517929.1	1377	CC	TT	TT	INTERGENIC		
SNP_75290B_1998	scaffold3171	NW_004517929.1	1998	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75291B_2006	scaffold3171	NW_004517929.1	2006	TT	GG	GG	INTERGENIC		
SNP_75292B_2103	scaffold3171	NW_004517929.1	2103	GG	TT	TT	INTERGENIC		
SNP_75293B_2148	scaffold3171	NW_004517929.1	2148	GG	AA	AA	INTERGENIC		
SNP_75294B_2157	scaffold3171	NW_004517929.1	2157	AA	GG	GG	INTERGENIC		
SNP_75295B_2180	scaffold3171	NW_004517929.1	2180	AA	GG	GG	INTERGENIC		
SNP_75296B_2235	scaffold3171	NW_004517929.1	2235	GG	AA	AA	INTERGENIC		
SNP_75297B_2298	scaffold3171	NW_004517929.1	2298	CC	GG	GG	INTERGENIC		
SNP_75298B_2375	scaffold3171	NW_004517929.1	2375	CC	TT	TT	INTERGENIC		
SNP_75299B_2391	scaffold3171	NW_004517929.1	2391	GG	TT	TT	INTERGENIC		
SNP_75301B_2435	scaffold3171	NW_004517929.1	2435	AA	TT	TT	INTERGENIC		
SNP_75302B_2441	scaffold3171	NW_004517929.1	2441	TT	GG	GG	INTERGENIC		
SNP_75303B_2639	scaffold3171	NW_004517929.1	2639	AA	TT	TT	INTERGENIC		
SNP_75305B_2753	scaffold3171	NW_004517929.1	2753	CC	TT	TT	INTERGENIC		
SNP_75306B_2765	scaffold3171	NW_004517929.1	2765	TT	GG	GG	INTERGENIC		
SNP_75307B_2770	scaffold3171	NW_004517929.1	2770	TT	AA	AA	INTERGENIC		
SNP_75308B_142	scaffold3172	NW_004517930.1	142	GG	CC	CC	INTERGENIC		
SNP_75309B_362	scaffold3172	NW_004517930.1	362	CC	AA	AA	INTERGENIC		
SNP_75310B_578	scaffold3172	NW_004517930.1	578	TT	AA	AA	INTERGENIC		
SNP_75311B_6995	scaffold3174	NW_004517932.1	6995	GG	TT	TT	INTERGENIC		
SNP_75312B_7224	scaffold3174	NW_004517932.1	7224	AA	TT	TT	INTERGENIC		
SNP_75313B_11651	scaffold3175	NW_004517933.1	11651	AA	GG	GG	INTERGENIC		
SNP_75314B_17099	scaffold3175	NW_004517933.1	17099	AA	GG	GG	INTERGENIC		
SNP_75315B_17333	scaffold3175	NW_004517933.1	17333	AA	CC	CC	INTERGENIC		
SNP_75316B_17346	scaffold3175	NW_004517933.1	17346	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75317B_17363	scaffold3175	NW_004517933.1	17363	GG	AA	AA	INTERGENIC		
SNP_75318B_18895	scaffold3175	NW_004517933.1	18895	CC	TT	TT	INTERGENIC		
SNP_75319B_18902	scaffold3175	NW_004517933.1	18902	CC	AA	AA	INTERGENIC		
SNP_75320B_18914	scaffold3175	NW_004517933.1	18914	TT	CC	CC	INTERGENIC		
SNP_75321B_18920	scaffold3175	NW_004517933.1	18920	GG	AA	AA	INTERGENIC		
SNP_75322B_18959	scaffold3175	NW_004517933.1	18959	TT	CC	CC	INTERGENIC		
SNP_75323B_19116	scaffold3175	NW_004517933.1	19116	TT	CC	CC	INTERGENIC		
SNP_75324B_1373	scaffold3176	NW_004517934.1	1373	AA	GG	GG	INTERGENIC		
SNP_75325B_1396	scaffold3176	NW_004517934.1	1396	CC	TT	TT	INTERGENIC		
SNP_75326B_757	scaffold3181	NW_004517939.1	757	CC	TT	TT	INTERGENIC		
SNP_75327B_773	scaffold3181	NW_004517939.1	773	AA	TT	TT	INTERGENIC		
SNP_75328B_376	scaffold3183	NW_004517941.1	376	CC	TT	TT	INTERGENIC		
SNP_75329B_430	scaffold3183	NW_004517941.1	430	CC	TT	TT	INTERGENIC		
SNP_75330B_466	scaffold3183	NW_004517941.1	466	AA	TT	TT	INTERGENIC		
SNP_75331B_2684	scaffold3187	NW_004517943.1	2684	TT	GG	GG	INTERGENIC		
SNP_75332B_2700	scaffold3187	NW_004517943.1	2700	AA	GG	GG	INTERGENIC		
SNP_75333B_6031	scaffold3187	NW_004517943.1	6031	AA	GG	GG	INTERGENIC		
SNP_75334B_8298	scaffold3187	NW_004517943.1	8298	CC	AA	AA	INTERGENIC		
SNP_75335B_8302	scaffold3187	NW_004517943.1	8302	GG	AA	AA	INTERGENIC		
SNP_75336B_8310	scaffold3187	NW_004517943.1	8310	AA	GG	GG	INTERGENIC		
SNP_75337B_8313	scaffold3187	NW_004517943.1	8313	TT	GG	GG	INTERGENIC		
SNP_75338B_8329	scaffold3187	NW_004517943.1	8329	TT	AA	AA	INTERGENIC		
SNP_75339B_24881	scaffold3191	NW_004517947.1	24881	TT	CC	CC	INTERGENIC		
SNP_75340B_25148	scaffold3191	NW_004517947.1	25148	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75341B_25158	scaffold3191	NW_004517947.1	25158	AA	GG	GG	INTERGENIC		
SNP_75342B_25217	scaffold3191	NW_004517947.1	25217	CC	GG	GG	INTERGENIC		
SNP_75343B_25423	scaffold3191	NW_004517947.1	25423	TT	AA	AA	INTERGENIC		
SNP_75344B_25443	scaffold3191	NW_004517947.1	25443	AA	TT	TT	INTERGENIC		
SNP_75345B_25477	scaffold3191	NW_004517947.1	25477	TT	AA	AA	INTERGENIC		
SNP_75346B_25482	scaffold3191	NW_004517947.1	25482	GG	AA	AA	INTERGENIC		
SNP_75347B_25491	scaffold3191	NW_004517947.1	25491	AA	TT	TT	INTERGENIC		
SNP_75348B_25516	scaffold3191	NW_004517947.1	25516	AA	GG	GG	INTERGENIC		
SNP_75349B_25537	scaffold3191	NW_004517947.1	25537	TT	CC	CC	INTERGENIC		
SNP_75350B_25569	scaffold3191	NW_004517947.1	25569	AA	GG	GG	INTERGENIC		
SNP_75351B_25864	scaffold3191	NW_004517947.1	25864	CC	GG	GG	INTERGENIC		
SNP_75352B_25894	scaffold3191	NW_004517947.1	25894	GG	CC	CC	INTERGENIC		
SNP_75354B_399	scaffold3199	NW_004517953.1	399	TT	AA	AA	INTERGENIC		
SNP_75355B_401	scaffold3199	NW_004517953.1	401	GG	AA	AA	INTERGENIC		
SNP_75356B_606	scaffold3199	NW_004517953.1	606	GG	CC	CC	INTERGENIC		
SNP_75357B_673	scaffold3199	NW_004517953.1	673	TT	GG	GG	INTERGENIC		
SNP_75358B_803	scaffold3199	NW_004517953.1	803	GG	AA	AA	INTERGENIC		
SNP_75359B_646	scaffold3204	NW_004517958.1	646	GG	TT	TT	INTERGENIC		
SNP_75360B_647	scaffold3204	NW_004517958.1	647	AA	TT	TT	INTERGENIC		
SNP_75361B_1011	scaffold3204	NW_004517958.1	1011	TT	CC	CC	INTERGENIC		
SNP_75362B_483	scaffold3208	NW_004517961.1	483	CC	TT	TT	INTERGENIC		
SNP_75363B_673	scaffold3208	NW_004517961.1	673	AA	GG	GG	INTERGENIC		
SNP_75364B_771	scaffold3208	NW_004517961.1	771	GG	AA	AA	INTERGENIC		
SNP_75365B_802	scaffold3208	NW_004517961.1	802	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75366B_910	scaffold3208	NW_004517961.1	910	TT	AA	AA	INTERGENIC		
SNP_75367B_1189	scaffold3208	NW_004517961.1	1189	GG	AA	AA	INTERGENIC		
SNP_75368B_1281	scaffold3208	NW_004517961.1	1281	GG	AA	AA	INTERGENIC		
SNP_75369B_1536	scaffold3208	NW_004517961.1	1536	AA	TT	TT	INTERGENIC		
SNP_75370B_5599	scaffold3210	NW_004517963.1	5599	CC	GG	GG	INTERGENIC		
SNP_75371B_5614	scaffold3210	NW_004517963.1	5614	TT	CC	CC	INTERGENIC		
SNP_75373B_5732	scaffold3210	NW_004517963.1	5732	TT	CC	CC	INTERGENIC		
SNP_75375B_5744	scaffold3210	NW_004517963.1	5744	AA	CC	CC	INTERGENIC		
SNP_75376B_5763	scaffold3210	NW_004517963.1	5763	AA	GG	GG	INTERGENIC		
SNP_75377B_5792	scaffold3210	NW_004517963.1	5792	CC	TT	TT	INTERGENIC		
SNP_75378B_5946	scaffold3210	NW_004517963.1	5946	TT	GG	GG	INTERGENIC		
SNP_75379B_5971	scaffold3210	NW_004517963.1	5971	AA	GG	GG	INTERGENIC		
SNP_75380B_5998	scaffold3210	NW_004517963.1	5998	CC	TT	TT	INTERGENIC		
SNP_75381B_6021	scaffold3210	NW_004517963.1	6021	TT	AA	AA	INTERGENIC		
SNP_75382B_6053	scaffold3210	NW_004517963.1	6053	GG	CC	CC	INTERGENIC		
SNP_75383B_91	scaffold3212	NW_004517965.1	91	GG	AA	AA	INTERGENIC		
SNP_75384B_118	scaffold3212	NW_004517965.1	118	CC	AA	AA	INTERGENIC		
SNP_75385B_246	scaffold3212	NW_004517965.1	246	AA	GG	GG	INTERGENIC		
SNP_75386B_286	scaffold3212	NW_004517965.1	286	AA	TT	TT	INTERGENIC		
SNP_75387B_373	scaffold3212	NW_004517965.1	373	TT	CC	CC	INTERGENIC		
SNP_75388B_628	scaffold3212	NW_004517965.1	628	TT	AA	AA	INTERGENIC		
SNP_75389B_697	scaffold3212	NW_004517965.1	697	GG	TT	TT	INTERGENIC		
SNP_75391B_762	scaffold3212	NW_004517965.1	762	CC	AA	AA	INTERGENIC		
SNP_75392B_774	scaffold3212	NW_004517965.1	774	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75393B_1333	scaffold3212	NW_004517965.1	1333	CC	GG	GG	INTERGENIC		
SNP_75395B_1577	scaffold3212	NW_004517965.1	1577	CC	TT	TT	INTERGENIC		
SNP_75396B_1637	scaffold3212	NW_004517965.1	1637	AA	GG	GG	INTERGENIC		
SNP_75398B_1883	scaffold3212	NW_004517965.1	1883	GG	CC	CC	INTERGENIC		
SNP_75399B_2174	scaffold3212	NW_004517965.1	2174	TT	GG	GG	INTERGENIC		
SNP_75400B_2369	scaffold3212	NW_004517965.1	2369	GG	AA	AA	INTERGENIC		
SNP_75401B_2392	scaffold3212	NW_004517965.1	2392	TT	CC	CC	INTERGENIC		
SNP_75402B_2412	scaffold3212	NW_004517965.1	2412	CC	TT	TT	INTERGENIC		
SNP_75403B_2536	scaffold3212	NW_004517965.1	2536	AA	TT	TT	INTERGENIC		
SNP_75404B_2548	scaffold3212	NW_004517965.1	2548	CC	TT	TT	INTERGENIC		
SNP_75406B_2578	scaffold3212	NW_004517965.1	2578	CC	TT	TT	INTERGENIC		
SNP_75407B_2664	scaffold3212	NW_004517965.1	2664	CC	GG	GG	INTERGENIC		
SNP_75408B_2707	scaffold3212	NW_004517965.1	2707	AA	GG	GG	INTERGENIC		
SNP_75409B_2711	scaffold3212	NW_004517965.1	2711	CC	TT	TT	INTERGENIC		
SNP_75410B_2796	scaffold3212	NW_004517965.1	2796	GG	TT	TT	INTERGENIC		
SNP_75411B_2830	scaffold3212	NW_004517965.1	2830	GG	CC	CC	INTERGENIC		
SNP_75412B_2935	scaffold3212	NW_004517965.1	2935	TT	AA	AA	INTERGENIC		
SNP_75413B_3032	scaffold3212	NW_004517965.1	3032	GG	CC	CC	INTERGENIC		
SNP_75414B_3057	scaffold3212	NW_004517965.1	3057	CC	GG	GG	INTERGENIC		
SNP_75415B_3076	scaffold3212	NW_004517965.1	3076	AA	CC	CC	INTERGENIC		
SNP_75416B_3487	scaffold3212	NW_004517965.1	3487	AA	GG	GG	INTERGENIC		
SNP_75417B_3558	scaffold3212	NW_004517965.1	3558	CC	AA	AA	INTERGENIC		
SNP_75418B_3599	scaffold3212	NW_004517965.1	3599	TT	CC	CC	INTERGENIC		
SNP_75419B_3669	scaffold3212	NW_004517965.1	3669	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75421B_3929	scaffold3212	NW_004517965.1	3929	AA	TT	TT	INTERGENIC		
SNP_75422B_3953	scaffold3212	NW_004517965.1	3953	TT	CC	CC	INTERGENIC		
SNP_75423B_3996	scaffold3212	NW_004517965.1	3996	CC	TT	TT	INTERGENIC		
SNP_75424B_4038	scaffold3212	NW_004517965.1	4038	TT	CC	CC	INTERGENIC		
SNP_75425B_4166	scaffold3212	NW_004517965.1	4166	AA	TT	TT	INTERGENIC		
SNP_75426B_4399	scaffold3212	NW_004517965.1	4399	AA	CC	CC	INTERGENIC		
SNP_75427B_4495	scaffold3212	NW_004517965.1	4495	AA	CC	CC	INTERGENIC		
SNP_75428B_5451	scaffold3212	NW_004517965.1	5451	GG	TT	TT	INTERGENIC		
SNP_75429B_5837	scaffold3212	NW_004517965.1	5837	AA	CC	CC	INTERGENIC		
SNP_75430B_5944	scaffold3212	NW_004517965.1	5944	AA	GG	GG	INTERGENIC		
SNP_75431B_5945	scaffold3212	NW_004517965.1	5945	GG	TT	TT	INTERGENIC		
SNP_75432B_5951	scaffold3212	NW_004517965.1	5951	TT	CC	CC	INTERGENIC		
SNP_75433B_6141	scaffold3212	NW_004517965.1	6141	GG	CC	CC	INTERGENIC		
SNP_75435B_6400	scaffold3212	NW_004517965.1	6400	AA	CC	CC	INTERGENIC		
SNP_75436B_6451	scaffold3212	NW_004517965.1	6451	TT	CC	CC	INTERGENIC		
SNP_75437B_6469	scaffold3212	NW_004517965.1	6469	GG	TT	TT	INTERGENIC		
SNP_75438B_6597	scaffold3212	NW_004517965.1	6597	CC	TT	TT	INTERGENIC		
SNP_75439B_6598	scaffold3212	NW_004517965.1	6598	GG	AA	AA	INTERGENIC		
SNP_75440B_6717	scaffold3212	NW_004517965.1	6717	CC	TT	TT	INTERGENIC		
SNP_75441B_6736	scaffold3212	NW_004517965.1	6736	CC	TT	TT	INTERGENIC		
SNP_75442B_6755	scaffold3212	NW_004517965.1	6755	GG	CC	CC	INTERGENIC		
SNP_75443B_6845	scaffold3212	NW_004517965.1	6845	CC	AA	AA	INTERGENIC		
SNP_75444B_6849	scaffold3212	NW_004517965.1	6849	TT	GG	GG	INTERGENIC		
SNP_75445B_7037	scaffold3212	NW_004517965.1	7037	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75446B_7263	scaffold3212	NW_004517965.1	7263	CC	TT	TT	INTERGENIC		
SNP_75447B_7996	scaffold3212	NW_004517965.1	7996	GG	TT	TT	INTERGENIC		
SNP_75448B_8159	scaffold3212	NW_004517965.1	8159	AA	GG	GG	INTERGENIC		
SNP_75449B_8204	scaffold3212	NW_004517965.1	8204	GG	AA	AA	INTERGENIC		
SNP_75450B_8262	scaffold3212	NW_004517965.1	8262	CC	GG	GG	INTERGENIC		
SNP_75451B_8455	scaffold3212	NW_004517965.1	8455	CC	TT	TT	INTERGENIC		
SNP_75452B_8457	scaffold3212	NW_004517965.1	8457	AA	GG	GG	INTERGENIC		
SNP_75453B_9000	scaffold3212	NW_004517965.1	9000	GG	TT	TT	INTERGENIC		
SNP_75454B_9672	scaffold3212	NW_004517965.1	9672	AA	TT	TT	INTERGENIC		
SNP_75455B_9696	scaffold3212	NW_004517965.1	9696	TT	CC	CC	INTERGENIC		
SNP_75456B_9767	scaffold3212	NW_004517965.1	9767	GG	AA	AA	INTERGENIC		
SNP_75457B_9829	scaffold3212	NW_004517965.1	9829	CC	AA	AA	INTERGENIC		
SNP_75458B_9830	scaffold3212	NW_004517965.1	9830	CC	GG	GG	INTERGENIC		
SNP_75459B_9889	scaffold3212	NW_004517965.1	9889	TT	CC	CC	INTERGENIC		
SNP_75460B_9890	scaffold3212	NW_004517965.1	9890	GG	AA	AA	INTERGENIC		
SNP_75461B_10050	scaffold3212	NW_004517965.1	10050	TT	CC	CC	INTERGENIC		
SNP_75462B_10080	scaffold3212	NW_004517965.1	10080	CC	AA	AA	INTERGENIC		
SNP_75463B_10105	scaffold3212	NW_004517965.1	10105	GG	TT	TT	INTERGENIC		
SNP_75464B_10114	scaffold3212	NW_004517965.1	10114	CC	AA	AA	INTERGENIC		
SNP_75465B_10174	scaffold3212	NW_004517965.1	10174	TT	CC	CC	INTERGENIC		
SNP_75466B_10183	scaffold3212	NW_004517965.1	10183	TT	CC	CC	INTERGENIC		
SNP_75467B_10307	scaffold3212	NW_004517965.1	10307	CC	TT	TT	INTERGENIC		
SNP_75468B_10334	scaffold3212	NW_004517965.1	10334	TT	AA	AA	INTERGENIC		
SNP_75469B_10372	scaffold3212	NW_004517965.1	10372	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75470B_10738	scaffold3212	NW_004517965.1	10738	TT	AA	AA	INTERGENIC		
SNP_75471B_10794	scaffold3212	NW_004517965.1	10794	AA	GG	GG	INTERGENIC		
SNP_75472B_11463	scaffold3212	NW_004517965.1	11463	GG	TT	TT	INTERGENIC		
SNP_75473B_18200	scaffold3213	NW_004517966.1	18200	TT	AA	AA	INTERGENIC		
SNP_75474B_886	scaffold3215	NW_004517968.1	886	TT	CC	CC	INTERGENIC		
SNP_75475B_903	scaffold3215	NW_004517968.1	903	CC	GG	GG	INTERGENIC		
SNP_75476B_904	scaffold3215	NW_004517968.1	904	TT	GG	GG	INTERGENIC		
SNP_75477B_914	scaffold3215	NW_004517968.1	914	GG	TT	TT	INTERGENIC		
SNP_75478B_1077	scaffold3215	NW_004517968.1	1077	TT	CC	CC	INTERGENIC		
SNP_75479B_1114	scaffold3215	NW_004517968.1	1114	CC	GG	GG	INTERGENIC		
SNP_75480B_568	scaffold3216	NW_004517969.1	568	GG	AA	AA	NON_SYNONYMOUS_CODING	101490594	pectinesterase 4-like
SNP_75481B_9011	scaffold3216	NW_004517969.1	9011	AA	TT	TT	INTRON	101490594	pectinesterase 4-like
SNP_75482B_4107	scaffold3217	NW_004517970.1	4107	AA	GG	GG	INTERGENIC		
SNP_75483B_4117	scaffold3217	NW_004517970.1	4117	AA	GG	GG	INTERGENIC		
SNP_75484B_4135	scaffold3217	NW_004517970.1	4135	CC	TT	TT	INTERGENIC		
SNP_75485B_4275	scaffold3217	NW_004517970.1	4275	CC	TT	TT	INTERGENIC		
SNP_75486B_4343	scaffold3217	NW_004517970.1	4343	CC	AA	AA	INTERGENIC		
SNP_75487B_4364	scaffold3217	NW_004517970.1	4364	AA	GG	GG	INTERGENIC		
SNP_75488B_4412	scaffold3217	NW_004517970.1	4412	TT	GG	GG	INTERGENIC		
SNP_75489B_4414	scaffold3217	NW_004517970.1	4414	AA	GG	GG	INTERGENIC		
SNP_75490B_4422	scaffold3217	NW_004517970.1	4422	AA	GG	GG	INTERGENIC		
SNP_75491B_4584	scaffold3217	NW_004517970.1	4584	CC	AA	AA	INTERGENIC		
SNP_75492B_4601	scaffold3217	NW_004517970.1	4601	AA	GG	GG	INTERGENIC		
SNP_75494B_4767	scaffold3217	NW_004517970.1	4767	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75495B_4779	scaffold3217	NW_004517970.1	4779	GG	TT	TT	INTERGENIC		
SNP_75496B_11019	scaffold3217	NW_004517970.1	11019	GG	AA	AA	INTERGENIC		
SNP_75497B_13734	scaffold3217	NW_004517970.1	13734	AA	GG	GG	INTERGENIC		
SNP_75498B_14160	scaffold3217	NW_004517970.1	14160	AA	GG	GG	INTERGENIC		
SNP_75499B_15304	scaffold3217	NW_004517970.1	15304	AA	CC	CC	INTERGENIC		
SNP_75500B_15838	scaffold3217	NW_004517970.1	15838	AA	GG	GG	INTERGENIC		
SNP_75501B_15849	scaffold3217	NW_004517970.1	15849	AA	CC	CC	INTERGENIC		
SNP_75502B_15915	scaffold3217	NW_004517970.1	15915	AA	GG	GG	INTERGENIC		
SNP_75503B_26509	scaffold3217	NW_004517970.1	26509	AA	GG	GG	INTERGENIC		
SNP_75504B_36238	scaffold3217	NW_004517970.1	36238	AA	GG	GG	INTERGENIC		
SNP_75505B_36291	scaffold3217	NW_004517970.1	36291	AA	CC	CC	INTERGENIC		
SNP_75507B_766	scaffold3225	NW_004517976.1	766	AA	GG	GG	INTERGENIC		
SNP_75508B_5514	scaffold3225	NW_004517976.1	5514	TT	CC	CC	INTERGENIC		
SNP_75509B_5712	scaffold3225	NW_004517976.1	5712	AA	GG	GG	INTERGENIC		
SNP_75510B_5713	scaffold3225	NW_004517976.1	5713	CC	TT	TT	INTERGENIC		
SNP_75511B_8616	scaffold3225	NW_004517976.1	8616	TT	CC	CC	INTERGENIC		
SNP_75512B_8632	scaffold3225	NW_004517976.1	8632	TT	CC	CC	INTERGENIC		
SNP_75513B_8635	scaffold3225	NW_004517976.1	8635	AA	GG	GG	INTERGENIC		
SNP_75514B_8665	scaffold3225	NW_004517976.1	8665	TT	CC	CC	INTERGENIC		
SNP_75515B_8668	scaffold3225	NW_004517976.1	8668	CC	AA	AA	INTERGENIC		
SNP_75516B_8682	scaffold3225	NW_004517976.1	8682	TT	CC	CC	INTERGENIC		
SNP_75517B_8743	scaffold3225	NW_004517976.1	8743	AA	GG	GG	INTERGENIC		
SNP_75518B_1718	scaffold3228	NW_004517979.1	1718	GG	AA	AA	INTERGENIC		
SNP_75520B_1989	scaffold3228	NW_004517979.1	1989	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75521B_5179	scaffold3228	NW_004517979.1	5179	TT	GG	GG	INTERGENIC		
SNP_75522B_5203	scaffold3228	NW_004517979.1	5203	TT	CC	CC	INTERGENIC		
SNP_75523B_5239	scaffold3228	NW_004517979.1	5239	CC	GG	GG	INTERGENIC		
SNP_75524B_8028	scaffold3228	NW_004517979.1	8028	GG	CC	CC	INTERGENIC		
SNP_75525B_8510	scaffold3228	NW_004517979.1	8510	AA	GG	GG	INTERGENIC		
SNP_75526B_8518	scaffold3228	NW_004517979.1	8518	AA	GG	GG	INTERGENIC		
SNP_75527B_8534	scaffold3228	NW_004517979.1	8534	AA	GG	GG	INTERGENIC		
SNP_75528B_8553	scaffold3228	NW_004517979.1	8553	AA	GG	GG	INTERGENIC		
SNP_75529B_9298	scaffold3228	NW_004517979.1	9298	GG	AA	AA	INTERGENIC		
SNP_75530B_15187	scaffold3228	NW_004517979.1	15187	GG	AA	AA	INTERGENIC		
SNP_75531B_20869	scaffold3228	NW_004517979.1	20869	CC	GG	GG	URR	101490919	inositol transporter 1-like
SNP_75532B_21255	scaffold3228	NW_004517979.1	21255	TT	CC	CC	URR	101490919	inositol transporter 1-like
SNP_75533B_22173	scaffold3228	NW_004517979.1	22173	TT	CC	CC	INTERGENIC		
SNP_75534B_23711	scaffold3228	NW_004517979.1	23711	TT	AA	AA	INTERGENIC		
SNP_75535B_26609	scaffold3228	NW_004517979.1	26609	CC	AA	AA	INTERGENIC		
SNP_75536B_54394	scaffold3228	NW_004517979.1	54394	TT	CC	CC	INTERGENIC		
SNP_75537B_54441	scaffold3228	NW_004517979.1	54441	CC	TT	TT	INTERGENIC		
SNP_75538B_56047	scaffold3228	NW_004517979.1	56047	AA	TT	TT	INTERGENIC		
SNP_75539B_56222	scaffold3228	NW_004517979.1	56222	CC	GG	GG	INTERGENIC		
SNP_75540B_890	scaffold3229	NW_004517980.1	890	GG	AA	AA	INTERGENIC		
SNP_75541B_961	scaffold3229	NW_004517980.1	961	CC	AA	AA	INTERGENIC		
SNP_75542B_1229	scaffold3229	NW_004517980.1	1229	TT	AA	AA	INTERGENIC		
SNP_75543B_1381	scaffold3229	NW_004517980.1	1381	GG	CC	CC	INTERGENIC		
SNP_75544B_1568	scaffold3229	NW_004517980.1	1568	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75545B_1701	scaffold3229	NW_004517980.1	1701	TT	AA	AA	INTERGENIC		
SNP_75546B_4880	scaffold3229	NW_004517980.1	4880	CC	AA	AA	INTERGENIC		
SNP_75547B_4918	scaffold3229	NW_004517980.1	4918	AA	GG	GG	INTERGENIC		
SNP_75548B_4987	scaffold3229	NW_004517980.1	4987	GG	AA	AA	INTERGENIC		
SNP_75549B_5012	scaffold3229	NW_004517980.1	5012	GG	AA	AA	INTERGENIC		
SNP_75550B_5108	scaffold3229	NW_004517980.1	5108	AA	CC	CC	INTERGENIC		
SNP_75551B_5273	scaffold3229	NW_004517980.1	5273	TT	AA	AA	INTERGENIC		
SNP_75552B_5281	scaffold3229	NW_004517980.1	5281	AA	TT	TT	INTERGENIC		
SNP_75553B_5287	scaffold3229	NW_004517980.1	5287	TT	AA	AA	INTERGENIC		
SNP_75555B_5500	scaffold3229	NW_004517980.1	5500	CC	TT	TT	INTERGENIC		
SNP_75556B_5555	scaffold3229	NW_004517980.1	5555	TT	AA	AA	INTERGENIC		
SNP_75557B_5608	scaffold3229	NW_004517980.1	5608	AA	GG	GG	INTERGENIC		
SNP_75558B_5667	scaffold3229	NW_004517980.1	5667	GG	AA	AA	INTERGENIC		
SNP_75559B_5802	scaffold3229	NW_004517980.1	5802	TT	CC	CC	INTERGENIC		
SNP_75561B_5805	scaffold3229	NW_004517980.1	5805	TT	AA	AA	INTERGENIC		
SNP_75562B_5806	scaffold3229	NW_004517980.1	5806	CC	AA	AA	INTERGENIC		
SNP_75564B_5968	scaffold3229	NW_004517980.1	5968	GG	AA	AA	INTERGENIC		
SNP_75565B_5977	scaffold3229	NW_004517980.1	5977	CC	AA	AA	INTERGENIC		
SNP_75566B_6036	scaffold3229	NW_004517980.1	6036	TT	CC	CC	INTERGENIC		
SNP_75567B_6079	scaffold3229	NW_004517980.1	6079	AA	GG	GG	INTERGENIC		
SNP_75568B_6102	scaffold3229	NW_004517980.1	6102	CC	AA	AA	INTERGENIC		
SNP_75569B_6288	scaffold3229	NW_004517980.1	6288	AA	GG	GG	INTERGENIC		
SNP_75570B_6290	scaffold3229	NW_004517980.1	6290	AA	GG	GG	INTERGENIC		
SNP_75571B_6303	scaffold3229	NW_004517980.1	6303	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75572B_6389	scaffold3229	NW_004517980.1	6389	TT	CC	CC	INTERGENIC		
SNP_75573B_6410	scaffold3229	NW_004517980.1	6410	CC	TT	TT	INTERGENIC		
SNP_75574B_6424	scaffold3229	NW_004517980.1	6424	AA	TT	TT	INTERGENIC		
SNP_75575B_6464	scaffold3229	NW_004517980.1	6464	TT	AA	AA	INTERGENIC		
SNP_75576B_6607	scaffold3229	NW_004517980.1	6607	TT	CC	CC	INTERGENIC		
SNP_75577B_6671	scaffold3229	NW_004517980.1	6671	TT	GG	GG	INTERGENIC		
SNP_75578B_6729	scaffold3229	NW_004517980.1	6729	TT	CC	CC	INTERGENIC		
SNP_75579B_6974	scaffold3229	NW_004517980.1	6974	AA	TT	TT	INTERGENIC		
SNP_75580B_7752	scaffold3229	NW_004517980.1	7752	TT	AA	AA	INTERGENIC		
SNP_75582B_9104	scaffold3229	NW_004517980.1	9104	GG	AA	AA	INTERGENIC		
SNP_75583B_1419	scaffold3230	NW_004517981.1	1419	AA	CC	CC	INTERGENIC		
SNP_75584B_1887	scaffold3233	NW_004517982.1	1887	TT	CC	CC	INTERGENIC		
SNP_75585B_727	scaffold3234	NW_004517983.1	727	GG	TT	TT	INTERGENIC		
SNP_75586B_8486	scaffold3234	NW_004517983.1	8486	CC	AA	AA	INTERGENIC		
SNP_75587B_8498	scaffold3234	NW_004517983.1	8498	TT	AA	AA	INTERGENIC		
SNP_75588B_8535	scaffold3234	NW_004517983.1	8535	CC	TT	TT	INTERGENIC		
SNP_75589B_10260	scaffold3234	NW_004517983.1	10260	GG	AA	AA	INTERGENIC		
SNP_75590B_11260	scaffold3234	NW_004517983.1	11260	TT	AA	AA	INTERGENIC		
SNP_75591B_11261	scaffold3234	NW_004517983.1	11261	GG	AA	AA	INTERGENIC		
SNP_75592B_11262	scaffold3234	NW_004517983.1	11262	CC	TT	TT	INTERGENIC		
SNP_75593B_11327	scaffold3234	NW_004517983.1	11327	TT	CC	CC	INTERGENIC		
SNP_75594B_11509	scaffold3234	NW_004517983.1	11509	AA	GG	GG	INTERGENIC		
SNP_75596B_712	scaffold3235	NW_004517984.1	712	CC	TT	TT	INTERGENIC		
SNP_75597B_906	scaffold3235	NW_004517984.1	906	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75598B_910	scaffold3235	NW_004517984.1	910	CC	TT	TT	INTERGENIC		
SNP_75599B_930	scaffold3235	NW_004517984.1	930	TT	CC	CC	INTERGENIC		
SNP_75600B_1013	scaffold3235	NW_004517984.1	1013	GG	TT	TT	INTERGENIC		
SNP_75601B_1232	scaffold3237	NW_004517986.1	1232	TT	CC	CC	INTERGENIC		
SNP_75602B_1261	scaffold3237	NW_004517986.1	1261	TT	CC	CC	INTERGENIC		
SNP_75603B_63	scaffold3241	NW_004517989.1	63	AA	CC	CC	INTERGENIC		
SNP_75604B_64	scaffold3241	NW_004517989.1	64	AA	GG	GG	INTERGENIC		
SNP_75605B_72	scaffold3241	NW_004517989.1	72	TT	CC	CC	INTERGENIC		
SNP_75606B_170	scaffold3241	NW_004517989.1	170	GG	AA	AA	INTERGENIC		
SNP_75607B_456	scaffold3241	NW_004517989.1	456	CC	AA	AA	INTERGENIC		
SNP_75608B_536	scaffold3241	NW_004517989.1	536	GG	AA	AA	INTERGENIC		
SNP_75609B_552	scaffold3241	NW_004517989.1	552	CC	TT	TT	INTERGENIC		
SNP_75610B_611	scaffold3241	NW_004517989.1	611	GG	AA	AA	INTERGENIC		
SNP_75611B_682	scaffold3241	NW_004517989.1	682	TT	CC	CC	INTERGENIC		
SNP_75612B_751	scaffold3241	NW_004517989.1	751	AA	GG	GG	INTERGENIC		
SNP_75613B_753	scaffold3241	NW_004517989.1	753	TT	GG	GG	INTERGENIC		
SNP_75614B_879	scaffold3241	NW_004517989.1	879	GG	AA	AA	INTERGENIC		
SNP_75616B_1082	scaffold3241	NW_004517989.1	1082	GG	CC	CC	INTERGENIC		
SNP_75617B_1135	scaffold3241	NW_004517989.1	1135	AA	TT	TT	INTERGENIC		
SNP_75618B_972	scaffold3242	NW_004517990.1	972	GG	AA	AA	INTERGENIC		
SNP_75619B_983	scaffold3242	NW_004517990.1	983	GG	AA	AA	INTERGENIC		
SNP_75620B_3434	scaffold3242	NW_004517990.1	3434	GG	AA	AA	INTERGENIC		
SNP_75621B_3512	scaffold3242	NW_004517990.1	3512	GG	AA	AA	INTERGENIC		
SNP_75622B_3517	scaffold3242	NW_004517990.1	3517	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75623B_6157	scaffold3242	NW_004517990.1	6157	CC	AA	AA	INTERGENIC		
SNP_75624B_6511	scaffold3242	NW_004517990.1	6511	TT	CC	CC	INTERGENIC		
SNP_75625B_6521	scaffold3242	NW_004517990.1	6521	AA	GG	GG	INTERGENIC		
SNP_75626B_6641	scaffold3242	NW_004517990.1	6641	GG	AA	AA	INTERGENIC		
SNP_75627B_6666	scaffold3242	NW_004517990.1	6666	TT	CC	CC	INTERGENIC		
SNP_75628B_6686	scaffold3242	NW_004517990.1	6686	CC	TT	TT	INTERGENIC		
SNP_75629B_19633	scaffold3243	NW_004517991.1	19633	AA	TT	TT	DRR	101491561	chitinase 2-like
SNP_75630B_19651	scaffold3243	NW_004517991.1	19651	CC	TT	TT	DRR	101491561	chitinase 2-like
SNP_75631B_19657	scaffold3243	NW_004517991.1	19657	CC	TT	TT	DRR	101491561	chitinase 2-like
SNP_75632B_19898	scaffold3243	NW_004517991.1	19898	TT	GG	GG	STOP_LOST	101491561	chitinase 2-like
SNP_75633B_20480	scaffold3243	NW_004517991.1	20480	GG	CC	CC	URR	101491561	chitinase 2-like
SNP_75634B_20555	scaffold3243	NW_004517991.1	20555	GG	AA	AA	URR	101491561	chitinase 2-like
SNP_75635B_20654	scaffold3243	NW_004517991.1	20654	AA	TT	TT	URR	101491561	chitinase 2-like
SNP_75636B_20675	scaffold3243	NW_004517991.1	20675	CC	GG	GG	URR	101491561	chitinase 2-like
SNP_75637B_20695	scaffold3243	NW_004517991.1	20695	AA	CC	CC	URR	101491561	chitinase 2-like
SNP_75638B_20782	scaffold3243	NW_004517991.1	20782	CC	TT	TT	URR	101491561	chitinase 2-like
SNP_75640B_13460	scaffold3245	NW_004517992.1	13460	CC	TT	TT	INTERGENIC		
SNP_75641B_13650	scaffold3245	NW_004517992.1	13650	GG	AA	AA	INTERGENIC		
SNP_75642B_13677	scaffold3245	NW_004517992.1	13677	GG	AA	AA	INTERGENIC		
SNP_75643B_13680	scaffold3245	NW_004517992.1	13680	TT	CC	CC	INTERGENIC		
SNP_75644B_13690	scaffold3245	NW_004517992.1	13690	TT	CC	CC	INTERGENIC		
SNP_75645B_13744	scaffold3245	NW_004517992.1	13744	CC	TT	TT	INTERGENIC		
SNP_75646B_13817	scaffold3245	NW_004517992.1	13817	AA	GG	GG	INTERGENIC		
SNP_75647B_13867	scaffold3245	NW_004517992.1	13867	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75648B_13873	scaffold3245	NW_004517992.1	13873	TT	AA	AA	INTERGENIC		
SNP_75649B_13874	scaffold3245	NW_004517992.1	13874	GG	AA	AA	INTERGENIC		
SNP_75650B_13933	scaffold3245	NW_004517992.1	13933	TT	CC	CC	INTERGENIC		
SNP_75651B_13939	scaffold3245	NW_004517992.1	13939	CC	TT	TT	INTERGENIC		
SNP_75652B_523	scaffold3251	NW_004517995.1	523	CC	AA	AA	INTERGENIC		
SNP_75653B_6936	scaffold3251	NW_004517995.1	6936	AA	GG	GG	INTERGENIC		
SNP_75654B_9075	scaffold3251	NW_004517995.1	9075	TT	CC	CC	INTERGENIC		
SNP_75655B_9436	scaffold3251	NW_004517995.1	9436	GG	AA	AA	INTERGENIC		
SNP_75656B_13360	scaffold3251	NW_004517995.1	13360	CC	AA	AA	INTERGENIC		
SNP_75657B_14842	scaffold3251	NW_004517995.1	14842	TT	AA	AA	INTERGENIC		
SNP_75658B_14843	scaffold3251	NW_004517995.1	14843	CC	TT	TT	INTERGENIC		
SNP_75659B_17629	scaffold3251	NW_004517995.1	17629	AA	CC	CC	INTERGENIC		
SNP_75660B_742	scaffold3254_2	NW_004517997.1	742	TT	CC	CC	INTERGENIC		
SNP_75661B_775	scaffold3254_2	NW_004517997.1	775	AA	GG	GG	INTERGENIC		
SNP_75662B_876	scaffold3254_2	NW_004517997.1	876	CC	TT	TT	INTERGENIC		
SNP_75664B_118095	scaffold3254_2	NW_004517997.1	118095	GG	AA	AA	URR	101497066	lipid transfer protein EARLI 1-like
SNP_75666B_18908	scaffold3258	NW_004518000.1	18908	CC	GG	GG	INTERGENIC		
SNP_75667B_19467	scaffold3258	NW_004518000.1	19467	GG	AA	AA	INTERGENIC		
SNP_75668B_19506	scaffold3258	NW_004518000.1	19506	TT	CC	CC	INTERGENIC		
SNP_75669B_33163	scaffold3258	NW_004518000.1	33163	AA	TT	TT	INTERGENIC		
SNP_75670B_33172	scaffold3258	NW_004518000.1	33172	CC	AA	AA	INTERGENIC		
SNP_75672B_34532	scaffold3258	NW_004518000.1	34532	CC	GG	GG	INTERGENIC		
SNP_75673B_35548	scaffold3258	NW_004518000.1	35548	CC	TT	TT	INTERGENIC		
SNP_75674B_35645	scaffold3258	NW_004518000.1	35645	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75675B_35853	scaffold3258	NW_004518000.1	35853	GG	TT	TT	INTERGENIC		
SNP_75676B_35971	scaffold3258	NW_004518000.1	35971	TT	CC	CC	INTERGENIC		
SNP_75677B_37765	scaffold3258	NW_004518000.1	37765	TT	CC	CC	INTERGENIC		
SNP_75678B_39777	scaffold3258	NW_004518000.1	39777	TT	CC	CC	INTERGENIC		
SNP_75679B_40047	scaffold3258	NW_004518000.1	40047	CC	TT	TT	INTERGENIC		
SNP_75680B_40324	scaffold3258	NW_004518000.1	40324	CC	AA	AA	INTERGENIC		
SNP_75681B_41261	scaffold3258	NW_004518000.1	41261	TT	CC	CC	INTERGENIC		
SNP_75682B_41387	scaffold3258	NW_004518000.1	41387	AA	GG	GG	INTERGENIC		
SNP_75684B_41507	scaffold3258	NW_004518000.1	41507	CC	TT	TT	INTERGENIC		
SNP_75685B_41840	scaffold3258	NW_004518000.1	41840	AA	GG	GG	INTERGENIC		
SNP_75686B_42948	scaffold3258	NW_004518000.1	42948	AA	GG	GG	INTERGENIC		
SNP_75687B_43898	scaffold3258	NW_004518000.1	43898	GG	TT	TT	INTERGENIC		
SNP_75688B_45551	scaffold3258	NW_004518000.1	45551	GG	AA	AA	INTERGENIC		
SNP_75689B_45976	scaffold3258	NW_004518000.1	45976	TT	GG	GG	INTERGENIC		
SNP_75691B_47285	scaffold3258	NW_004518000.1	47285	CC	TT	TT	INTERGENIC		
SNP_75692B_47685	scaffold3258	NW_004518000.1	47685	GG	TT	TT	INTERGENIC		
SNP_75693B_47686	scaffold3258	NW_004518000.1	47686	CC	TT	TT	INTERGENIC		
SNP_75694B_48327	scaffold3258	NW_004518000.1	48327	AA	CC	CC	INTERGENIC		
SNP_75695B_48578	scaffold3258	NW_004518000.1	48578	CC	TT	TT	INTERGENIC		
SNP_75696B_48717	scaffold3258	NW_004518000.1	48717	CC	TT	TT	INTERGENIC		
SNP_75697B_48806	scaffold3258	NW_004518000.1	48806	TT	AA	AA	INTERGENIC		
SNP_75699B_48971	scaffold3258	NW_004518000.1	48971	GG	AA	AA	INTERGENIC		
SNP_75702B_52453	scaffold3258	NW_004518000.1	52453	TT	GG	GG	INTERGENIC		
SNP_75703B_52740	scaffold3258	NW_004518000.1	52740	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75704B_54397	scaffold3258	NW_004518000.1	54397	TT	AA	AA	INTERGENIC		
SNP_75705B_55923	scaffold3258	NW_004518000.1	55923	TT	CC	CC	INTERGENIC		
SNP_75706B_55924	scaffold3258	NW_004518000.1	55924	AA	TT	TT	INTERGENIC		
SNP_75707B_58295	scaffold3258	NW_004518000.1	58295	CC	TT	TT	INTERGENIC		
SNP_75708B_59048	scaffold3258	NW_004518000.1	59048	AA	GG	GG	INTERGENIC		
SNP_75709B_66087	scaffold3258	NW_004518000.1	66087	AA	GG	GG	INTERGENIC		
SNP_75710B_66521	scaffold3258	NW_004518000.1	66521	AA	GG	GG	INTERGENIC		
SNP_75712B_68820	scaffold3258	NW_004518000.1	68820	TT	CC	CC	INTERGENIC		
SNP_75713B_69007	scaffold3258	NW_004518000.1	69007	GG	AA	AA	INTERGENIC		
SNP_75714B_69138	scaffold3258	NW_004518000.1	69138	TT	AA	AA	INTERGENIC		
SNP_75715B_69711	scaffold3258	NW_004518000.1	69711	AA	GG	GG	INTERGENIC		
SNP_75716B_70440	scaffold3258	NW_004518000.1	70440	GG	AA	AA	INTERGENIC		
SNP_75717B_70787	scaffold3258	NW_004518000.1	70787	AA	GG	GG	INTERGENIC		
SNP_75718B_71125	scaffold3258	NW_004518000.1	71125	GG	AA	AA	INTERGENIC		
SNP_75720B_71849	scaffold3258	NW_004518000.1	71849	TT	AA	AA	INTERGENIC		
SNP_75721B_72646	scaffold3258	NW_004518000.1	72646	CC	TT	TT	INTERGENIC		
SNP_75722B_72946	scaffold3258	NW_004518000.1	72946	GG	AA	AA	INTERGENIC		
SNP_75723B_73983	scaffold3258	NW_004518000.1	73983	AA	GG	GG	INTERGENIC		
SNP_75725B_74077	scaffold3258	NW_004518000.1	74077	CC	TT	TT	INTERGENIC		
SNP_75726B_74576	scaffold3258	NW_004518000.1	74576	CC	TT	TT	INTERGENIC		
SNP_75727B_74622	scaffold3258	NW_004518000.1	74622	AA	TT	TT	INTERGENIC		
SNP_75729B_75855	scaffold3258	NW_004518000.1	75855	AA	CC	CC	INTERGENIC		
SNP_75730B_77045	scaffold3258	NW_004518000.1	77045	CC	TT	TT	INTERGENIC		
SNP_75731B_77245	scaffold3258	NW_004518000.1	77245	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75732B_77348	scaffold3258	NW_004518000.1	77348	CC	TT	TT	INTERGENIC		
SNP_75733B_77742	scaffold3258	NW_004518000.1	77742	GG	AA	AA	INTERGENIC		
SNP_75734B_79544	scaffold3258	NW_004518000.1	79544	TT	CC	CC	INTERGENIC		
SNP_75735B_79585	scaffold3258	NW_004518000.1	79585	CC	TT	TT	INTERGENIC		
SNP_75736B_79588	scaffold3258	NW_004518000.1	79588	TT	GG	GG	INTERGENIC		
SNP_75737B_79603	scaffold3258	NW_004518000.1	79603	TT	CC	CC	INTERGENIC		
SNP_75738B_79607	scaffold3258	NW_004518000.1	79607	AA	TT	TT	INTERGENIC		
SNP_75739B_79610	scaffold3258	NW_004518000.1	79610	GG	AA	AA	INTERGENIC		
SNP_75740B_79618	scaffold3258	NW_004518000.1	79618	AA	GG	GG	INTERGENIC		
SNP_75741B_79630	scaffold3258	NW_004518000.1	79630	TT	GG	GG	INTERGENIC		
SNP_75742B_79649	scaffold3258	NW_004518000.1	79649	AA	TT	TT	INTERGENIC		
SNP_75743B_79651	scaffold3258	NW_004518000.1	79651	AA	CC	CC	INTERGENIC		
SNP_75744B_79663	scaffold3258	NW_004518000.1	79663	CC	TT	TT	INTERGENIC		
SNP_75745B_79933	scaffold3258	NW_004518000.1	79933	TT	CC	CC	INTERGENIC		
SNP_75746B_80028	scaffold3258	NW_004518000.1	80028	GG	AA	AA	INTERGENIC		
SNP_75747B_80273	scaffold3258	NW_004518000.1	80273	GG	AA	AA	INTERGENIC		
SNP_75748B_81266	scaffold3258	NW_004518000.1	81266	TT	CC	CC	INTERGENIC		
SNP_75749B_81857	scaffold3258	NW_004518000.1	81857	TT	CC	CC	INTERGENIC		
SNP_75750B_82907	scaffold3258	NW_004518000.1	82907	GG	TT	TT	INTERGENIC		
SNP_75751B_83145	scaffold3258	NW_004518000.1	83145	AA	GG	GG	INTERGENIC		
SNP_75752B_83180	scaffold3258	NW_004518000.1	83180	AA	GG	GG	INTERGENIC		
SNP_75753B_84134	scaffold3258	NW_004518000.1	84134	TT	CC	CC	INTERGENIC		
SNP_75754B_84196	scaffold3258	NW_004518000.1	84196	CC	TT	TT	INTERGENIC		
SNP_75755B_84286	scaffold3258	NW_004518000.1	84286	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75757B_85057	scaffold3258	NW_004518000.1	85057	AA	GG	GG	INTERGENIC		
SNP_75758B_87145	scaffold3258	NW_004518000.1	87145	AA	GG	GG	INTERGENIC		
SNP_75759B_88172	scaffold3258	NW_004518000.1	88172	CC	GG	GG	INTERGENIC		
SNP_75760B_91166	scaffold3258	NW_004518000.1	91166	TT	CC	CC	INTERGENIC		
SNP_75761B_91180	scaffold3258	NW_004518000.1	91180	GG	AA	AA	INTERGENIC		
SNP_75762B_91182	scaffold3258	NW_004518000.1	91182	TT	CC	CC	INTERGENIC		
SNP_75763B_92093	scaffold3258	NW_004518000.1	92093	AA	CC	CC	DRR	101501596	tropinone reductase homolog At5g06060-like
SNP_75764B_92310	scaffold3258	NW_004518000.1	92310	CC	GG	GG	DRR	101501596	tropinone reductase homolog At5g06060-like
SNP_75765B_92403	scaffold3258	NW_004518000.1	92403	CC	TT	TT	NON_SYNONYMOUS_CODING	101501596	tropinone reductase homolog At5g06060-like
SNP_75766B_93007	scaffold3258	NW_004518000.1	93007	TT	GG	GG	DRR	101501907	Unknown function
SNP_75767B_93271	scaffold3258	NW_004518000.1	93271	AA	TT	TT	URR	101501596	tropinone reductase homolog At5g06060-like
SNP_75768B_93453	scaffold3258	NW_004518000.1	93453	CC	GG	GG	URR	101501596	tropinone reductase homolog At5g06060-like
SNP_75769B_94190	scaffold3258	NW_004518000.1	94190	GG	AA	AA	URR	101501596	tropinone reductase homolog At5g06060-like
SNP_75770B_94259	scaffold3258	NW_004518000.1	94259	AA	GG	GG	URR	101501596	tropinone reductase homolog At5g06060-like
SNP_75771B_470	scaffold3272	NW_004518005.1	470	GG	CC	CC	INTERGENIC		
SNP_75772B_2569	scaffold3272	NW_004518005.1	2569	AA	GG	GG	INTERGENIC		
SNP_75773B_554	scaffold3276	NW_004518009.1	554	TT	CC	CC	INTERGENIC		
SNP_75774B_2192	scaffold3277	NW_004518010.1	2192	GG	AA	AA	INTERGENIC		
SNP_75775B_2223	scaffold3277	NW_004518010.1	2223	CC	TT	TT	INTERGENIC		
SNP_75777B_2250	scaffold3277	NW_004518010.1	2250	GG	TT	TT	INTERGENIC		
SNP_75778B_2411	scaffold3277	NW_004518010.1	2411	AA	GG	GG	INTERGENIC		
SNP_75779B_2414	scaffold3277	NW_004518010.1	2414	GG	AA	AA	INTERGENIC		
SNP_75780B_2646	scaffold3277	NW_004518010.1	2646	TT	CC	CC	INTERGENIC		
SNP_75781B_3000	scaffold3277	NW_004518010.1	3000	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75782B_17587	scaffold3280	NW_004518013.1	17587	TT	GG	GG	INTERGENIC		
SNP_75783B_17597	scaffold3280	NW_004518013.1	17597	TT	CC	CC	INTERGENIC		
SNP_75784B_19478	scaffold3280	NW_004518013.1	19478	CC	TT	TT	INTERGENIC		
SNP_75785B_20371	scaffold3280	NW_004518013.1	20371	TT	AA	AA	INTERGENIC		
SNP_75786B_37048	scaffold3280	NW_004518013.1	37048	TT	CC	CC	INTERGENIC		
SNP_75787B_37231	scaffold3280	NW_004518013.1	37231	CC	AA	AA	INTERGENIC		
SNP_75788B_37385	scaffold3280	NW_004518013.1	37385	GG	TT	TT	INTERGENIC		
SNP_75789B_65062	scaffold3280	NW_004518013.1	65062	AA	GG	GG	INTERGENIC		
SNP_75790B_65143	scaffold3280	NW_004518013.1	65143	CC	TT	TT	INTERGENIC		
SNP_75791B_100490	scaffold3280	NW_004518013.1	100490	TT	AA	AA	INTERGENIC		
SNP_75792B_116633	scaffold3280	NW_004518013.1	116633	AA	GG	GG	INTERGENIC		
SNP_75793B_981	scaffold3281	NW_004518014.1	981	CC	GG	GG	INTERGENIC		
SNP_75794B_4856	scaffold3283	NW_004518016.1	4856	AA	GG	GG	INTERGENIC		
SNP_75795B_64887	scaffold3283	NW_004518016.1	64887	GG	TT	TT	INTERGENIC		
SNP_75796B_64891	scaffold3283	NW_004518016.1	64891	GG	AA	AA	INTERGENIC		
SNP_75797B_86632	scaffold3283	NW_004518016.1	86632	GG	AA	AA	INTERGENIC		
SNP_75798B_546	scaffold3284	NW_004518017.1	546	GG	TT	TT	DRR	101503849	uncharacterized LOC101503849
SNP_75799B_739	scaffold3284	NW_004518017.1	739	TT	GG	GG	DRR	101503849	uncharacterized LOC101503849
SNP_75800B_767	scaffold3284	NW_004518017.1	767	CC	AA	AA	DRR	101503849	uncharacterized LOC101503849
SNP_75801B_784	scaffold3284	NW_004518017.1	784	TT	CC	CC	DRR	101503849	uncharacterized LOC101503849
SNP_75802B_900	scaffold3284	NW_004518017.1	900	AA	CC	CC	NON_SYNONYMOUS_CODING	101503849	uncharacterized LOC101503849
SNP_75803B_2705	scaffold3284	NW_004518017.1	2705	CC	TT	TT	NON_SYNONYMOUS_CODING	101503849	uncharacterized LOC101503849
SNP_75804B_2723	scaffold3284	NW_004518017.1	2723	CC	TT	TT	STOP_GAINED	101503849	uncharacterized LOC101503849
SNP_75805B_2777	scaffold3284	NW_004518017.1	2777	CC	TT	TT	NON_SYNONYMOUS_CODING	101503849	uncharacterized LOC101503849

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75806B_5719	scaffold3293	NW_004518023.1	5719	GG	AA	AA	INTERGENIC		
SNP_75807B_7311	scaffold3293	NW_004518023.1	7311	GG	AA	AA	INTERGENIC		
SNP_75808B_7699	scaffold3293	NW_004518023.1	7699	CC	TT	TT	INTERGENIC		
SNP_75809B_9951	scaffold3293	NW_004518023.1	9951	CC	TT	TT	INTERGENIC		
SNP_75810B_9957	scaffold3293	NW_004518023.1	9957	TT	CC	CC	INTERGENIC		
SNP_75811B_9990	scaffold3293	NW_004518023.1	9990	TT	AA	AA	INTERGENIC		
SNP_75812B_9993	scaffold3293	NW_004518023.1	9993	AA	TT	TT	INTERGENIC		
SNP_75813B_9999	scaffold3293	NW_004518023.1	9999	GG	AA	AA	INTERGENIC		
SNP_75814B_10416	scaffold3293	NW_004518023.1	10416	AA	GG	GG	INTERGENIC		
SNP_75815B_1296	scaffold3297	NW_004518024.1	1296	TT	AA	AA	INTERGENIC		
SNP_75816B_124	scaffold3307	NW_004518031.1	124	TT	AA	AA	INTERGENIC		
SNP_75817B_2451	scaffold3307	NW_004518031.1	2451	AA	CC	CC	INTERGENIC		
SNP_75818B_3810	scaffold3307	NW_004518031.1	3810	GG	AA	AA	INTERGENIC		
SNP_75819B_3945	scaffold3307	NW_004518031.1	3945	AA	TT	TT	INTERGENIC		
SNP_75820B_5125	scaffold3307	NW_004518031.1	5125	AA	GG	GG	INTERGENIC		
SNP_75821B_5165	scaffold3307	NW_004518031.1	5165	TT	GG	GG	INTERGENIC		
SNP_75822B_5221	scaffold3307	NW_004518031.1	5221	GG	TT	TT	INTERGENIC		
SNP_75823B_5222	scaffold3307	NW_004518031.1	5222	AA	TT	TT	INTERGENIC		
SNP_75824B_5257	scaffold3307	NW_004518031.1	5257	CC	TT	TT	INTERGENIC		
SNP_75825B_5362	scaffold3307	NW_004518031.1	5362	CC	AA	AA	INTERGENIC		
SNP_75826B_9898	scaffold3307	NW_004518031.1	9898	TT	AA	AA	INTERGENIC		
SNP_75827B_9900	scaffold3307	NW_004518031.1	9900	CC	TT	TT	INTERGENIC		
SNP_75828B_10379	scaffold3307	NW_004518031.1	10379	CC	TT	TT	INTERGENIC		
SNP_75829B_10394	scaffold3307	NW_004518031.1	10394	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75830B_10666	scaffold3307	NW_004518031.1	10666	AA	GG	GG	INTERGENIC		
SNP_75831B_10678	scaffold3307	NW_004518031.1	10678	TT	GG	AA	INTERGENIC		
SNP_75832B_11030	scaffold3307	NW_004518031.1	11030	TT	GG	GG	INTERGENIC		
SNP_75833B_11058	scaffold3307	NW_004518031.1	11058	TT	CC	CC	INTERGENIC		
SNP_75834B_11339	scaffold3307	NW_004518031.1	11339	TT	CC	CC	INTERGENIC		
SNP_75835B_17784	scaffold3307	NW_004518031.1	17784	TT	AA	AA	INTERGENIC		
SNP_75836B_17990	scaffold3307	NW_004518031.1	17990	TT	AA	AA	INTERGENIC		
SNP_75837B_18171	scaffold3307	NW_004518031.1	18171	TT	CC	CC	INTERGENIC		
SNP_75838B_18231	scaffold3307	NW_004518031.1	18231	TT	AA	AA	INTERGENIC		
SNP_75839B_18270	scaffold3307	NW_004518031.1	18270	AA	GG	GG	INTERGENIC		
SNP_75840B_18292	scaffold3307	NW_004518031.1	18292	TT	CC	CC	INTERGENIC		
SNP_75841B_18296	scaffold3307	NW_004518031.1	18296	CC	AA	AA	INTERGENIC		
SNP_75842B_18346	scaffold3307	NW_004518031.1	18346	AA	GG	GG	INTERGENIC		
SNP_75843B_22208	scaffold3307	NW_004518031.1	22208	CC	TT	TT	INTERGENIC		
SNP_75844B_22264	scaffold3307	NW_004518031.1	22264	AA	GG	GG	INTERGENIC		
SNP_75845B_22343	scaffold3307	NW_004518031.1	22343	AA	GG	GG	INTERGENIC		
SNP_75846B_22367	scaffold3307	NW_004518031.1	22367	CC	TT	TT	INTERGENIC		
SNP_75847B_22453	scaffold3307	NW_004518031.1	22453	TT	CC	CC	INTERGENIC		
SNP_75848B_23146	scaffold3307	NW_004518031.1	23146	GG	AA	AA	INTERGENIC		
SNP_75849B_23148	scaffold3307	NW_004518031.1	23148	CC	GG	GG	INTERGENIC		
SNP_75850B_23444	scaffold3307	NW_004518031.1	23444	AA	CC	CC	INTERGENIC		
SNP_75852B_5603	scaffold3314	NW_004518038.1	5603	GG	AA	AA	INTERGENIC		
SNP_75853B_5660	scaffold3314	NW_004518038.1	5660	GG	AA	AA	INTERGENIC		
SNP_75854B_5832	scaffold3314	NW_004518038.1	5832	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75855B_5883	scaffold3314	NW_004518038.1	5883	TT	AA	AA	INTERGENIC		
SNP_75856B_6371	scaffold3314	NW_004518038.1	6371	CC	TT	TT	INTERGENIC		
SNP_75857B_6667	scaffold3314	NW_004518038.1	6667	CC	TT	TT	INTERGENIC		
SNP_75858B_7348	scaffold3314	NW_004518038.1	7348	AA	TT	TT	INTERGENIC		
SNP_75860B_7453	scaffold3314	NW_004518038.1	7453	AA	GG	GG	INTERGENIC		
SNP_75861B_7656	scaffold3314	NW_004518038.1	7656	GG	AA	AA	INTERGENIC		
SNP_75862B_7717	scaffold3314	NW_004518038.1	7717	AA	GG	GG	INTERGENIC		
SNP_75863B_7797	scaffold3314	NW_004518038.1	7797	TT	CC	CC	INTERGENIC		
SNP_75864B_7801	scaffold3314	NW_004518038.1	7801	AA	TT	TT	INTERGENIC		
SNP_75865B_7809	scaffold3314	NW_004518038.1	7809	TT	CC	CC	INTERGENIC		
SNP_75866B_287	scaffold3317	NW_004518041.1	287	CC	GG	GG	INTERGENIC		
SNP_75867B_294	scaffold3317	NW_004518041.1	294	AA	CC	CC	INTERGENIC		
SNP_75868B_299	scaffold3317	NW_004518041.1	299	TT	GG	GG	INTERGENIC		
SNP_75869B_3329	scaffold3317	NW_004518041.1	3329	GG	TT	TT	INTERGENIC		
SNP_75871B_709	scaffold3321	NW_004518043.1	709	CC	TT	TT	INTERGENIC		
SNP_75872B_10999	scaffold3321	NW_004518043.1	10999	CC	TT	TT	INTERGENIC		
SNP_75873B_13053	scaffold3321	NW_004518043.1	13053	TT	AA	AA	INTERGENIC		
SNP_75874B_23990	scaffold3321	NW_004518043.1	23990	GG	AA	AA	INTERGENIC		
SNP_75876B_69353	scaffold3321	NW_004518043.1	69353	AA	GG	GG	INTERGENIC		
SNP_75877B_69576	scaffold3321	NW_004518043.1	69576	AA	GG	GG	INTERGENIC		
SNP_75879B_5107	scaffold3322	NW_004518044.1	5107	AA	GG	GG	INTERGENIC		
SNP_75881B_9228	scaffold3323	NW_004518045.1	9228	AA	TT	TT	INTERGENIC		
SNP_75882B_4281	scaffold3326	NW_004518048.1	4281	TT	GG	GG	INTERGENIC		
SNP_75883B_6003	scaffold3326	NW_004518048.1	6003	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75884B_3966	scaffold3329	NW_004518050.1	3966	TT	CC	CC	INTERGENIC		
SNP_75885B_3998	scaffold3329	NW_004518050.1	3998	TT	CC	CC	INTERGENIC		
SNP_75886B_31	scaffold3336	NW_004518055.1	31	CC	TT	TT	INTERGENIC		
SNP_75887B_64	scaffold3336	NW_004518055.1	64	GG	AA	AA	INTERGENIC		
SNP_75888B_73	scaffold3336	NW_004518055.1	73	TT	CC	CC	INTERGENIC		
SNP_75889B_99	scaffold3336	NW_004518055.1	99	GG	AA	AA	INTERGENIC		
SNP_75890B_131	scaffold3336	NW_004518055.1	131	TT	CC	CC	INTERGENIC		
SNP_75891B_618	scaffold3336	NW_004518055.1	618	CC	TT	TT	INTERGENIC		
SNP_75892B_1870	scaffold3336	NW_004518055.1	1870	AA	TT	TT	INTERGENIC		
SNP_75893B_35329	scaffold3336	NW_004518055.1	35329	TT	CC	CC	INTERGENIC		
SNP_75894B_63905	scaffold3336	NW_004518055.1	63905	TT	AA	AA	INTERGENIC		
SNP_75895B_63906	scaffold3336	NW_004518055.1	63906	GG	AA	AA	INTERGENIC		
SNP_75896B_63956	scaffold3336	NW_004518055.1	63956	AA	TT	TT	INTERGENIC		
SNP_75897B_2041	scaffold3337	NW_004518056.1	2041	GG	AA	AA	INTERGENIC		
SNP_75898B_21902	scaffold3337	NW_004518056.1	21902	AA	TT	TT	INTERGENIC		
SNP_75899B_21916	scaffold3337	NW_004518056.1	21916	GG	AA	AA	INTERGENIC		
SNP_75900B_22072	scaffold3337	NW_004518056.1	22072	GG	CC	CC	INTERGENIC		
SNP_75901B_25256	scaffold3337	NW_004518056.1	25256	AA	TT	TT	INTERGENIC		
SNP_75902B_25280	scaffold3337	NW_004518056.1	25280	TT	CC	CC	INTERGENIC		
SNP_75903B_2121	scaffold3347	NW_004518064.1	2121	CC	TT	TT	INTERGENIC		
SNP_75904B_2142	scaffold3347	NW_004518064.1	2142	CC	TT	TT	INTERGENIC		
SNP_75905B_2155	scaffold3347	NW_004518064.1	2155	CC	GG	GG	INTERGENIC		
SNP_75906B_2161	scaffold3347	NW_004518064.1	2161	TT	AA	CC	INTERGENIC		
SNP_75907B_2178	scaffold3347	NW_004518064.1	2178	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75908B_2179	scaffold3347	NW_004518064.1	2179	AA	TT	TT	INTERGENIC		
SNP_75909B_2210	scaffold3347	NW_004518064.1	2210	AA	TT	TT	INTERGENIC		
SNP_75910B_2340	scaffold3347	NW_004518064.1	2340	CC	TT	TT	INTERGENIC		
SNP_75911B_2474	scaffold3347	NW_004518064.1	2474	TT	CC	CC	INTERGENIC		
SNP_75912B_2477	scaffold3347	NW_004518064.1	2477	CC	GG	GG	INTERGENIC		
SNP_75913B_2828	scaffold3347	NW_004518064.1	2828	GG	CC	CC	INTERGENIC		
SNP_75914B_823	scaffold3348	NW_004518065.1	823	TT	GG	GG	INTERGENIC		
SNP_75916B_7276	scaffold3353	NW_004518069.1	7276	TT	GG	GG	INTERGENIC		
SNP_75917B_7307	scaffold3353	NW_004518069.1	7307	AA	GG	GG	INTERGENIC		
SNP_75918B_7313	scaffold3353	NW_004518069.1	7313	CC	TT	TT	INTERGENIC		
SNP_75919B_7337	scaffold3353	NW_004518069.1	7337	GG	CC	CC	INTERGENIC		
SNP_75920B_159	scaffold3354	NW_004518070.1	159	TT	CC	CC	INTERGENIC		
SNP_75921B_523	scaffold3354	NW_004518070.1	523	GG	TT	TT	INTERGENIC		
SNP_75922B_714	scaffold3354	NW_004518070.1	714	CC	TT	TT	INTERGENIC		
SNP_75923B_990	scaffold3354	NW_004518070.1	990	GG	TT	TT	INTERGENIC		
SNP_75924B_1337	scaffold3354	NW_004518070.1	1337	GG	AA	AA	INTERGENIC		
SNP_75925B_1376	scaffold3354	NW_004518070.1	1376	AA	CC	CC	INTERGENIC		
SNP_75926B_2197	scaffold3354	NW_004518070.1	2197	TT	AA	AA	INTERGENIC		
SNP_75927B_2372	scaffold3354	NW_004518070.1	2372	AA	TT	TT	INTERGENIC		
SNP_75928B_2709	scaffold3354	NW_004518070.1	2709	AA	GG	GG	INTERGENIC		
SNP_75929B_2966	scaffold3354	NW_004518070.1	2966	AA	GG	GG	INTERGENIC		
SNP_75930B_10604	scaffold3354	NW_004518070.1	10604	TT	CC	CC	INTERGENIC		
SNP_75931B_2400	scaffold3357	NW_004518073.1	2400	GG	AA	AA	INTERGENIC		
SNP_75932B_197	scaffold3359	NW_004518074.1	197	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75933B_294	scaffold3359	NW_004518074.1	294	AA	GG	GG	INTERGENIC		
SNP_75934B_296	scaffold3359	NW_004518074.1	296	CC	TT	TT	INTERGENIC		
SNP_75935B_371	scaffold3359	NW_004518074.1	371	AA	GG	GG	INTERGENIC		
SNP_75936B_536	scaffold3359	NW_004518074.1	536	CC	TT	TT	INTERGENIC		
SNP_75937B_605	scaffold3359	NW_004518074.1	605	GG	AA	AA	INTERGENIC		
SNP_75938B_1218	scaffold3362	NW_004518076.1	1218	TT	GG	GG	INTERGENIC		
SNP_75939B_1240	scaffold3362	NW_004518076.1	1240	CC	TT	TT	INTERGENIC		
SNP_75941B_1288	scaffold3362	NW_004518076.1	1288	AA	GG	GG	INTERGENIC		
SNP_75942B_1312	scaffold3362	NW_004518076.1	1312	TT	GG	GG	INTERGENIC		
SNP_75943B_26802	scaffold3362	NW_004518076.1	26802	GG	TT	TT	INTERGENIC		
SNP_75944B_110966	scaffold3362	NW_004518076.1	110966	GG	TT	TT	INTERGENIC		
SNP_75945B_111110	scaffold3362	NW_004518076.1	111110	AA	GG	GG	INTERGENIC		
SNP_75946B_111817	scaffold3362	NW_004518076.1	111817	CC	TT	TT	INTERGENIC		
SNP_75947B_111821	scaffold3362	NW_004518076.1	111821	TT	GG	GG	INTERGENIC		
SNP_75948B_111865	scaffold3362	NW_004518076.1	111865	GG	TT	TT	INTERGENIC		
SNP_75949B_112022	scaffold3362	NW_004518076.1	112022	TT	GG	GG	INTERGENIC		
SNP_75950B_112074	scaffold3362	NW_004518076.1	112074	AA	GG	GG	INTERGENIC		
SNP_75951B_112177	scaffold3362	NW_004518076.1	112177	CC	TT	TT	INTERGENIC		
SNP_75952B_112217	scaffold3362	NW_004518076.1	112217	TT	CC	CC	INTERGENIC		
SNP_75953B_199	scaffold3364	NW_004518078.1	199	TT	CC	CC	INTERGENIC		
SNP_75954B_213	scaffold3364	NW_004518078.1	213	GG	TT	TT	INTERGENIC		
SNP_75955B_293	scaffold3364	NW_004518078.1	293	CC	GG	GG	INTERGENIC		
SNP_75956B_305	scaffold3364	NW_004518078.1	305	AA	GG	GG	INTERGENIC		
SNP_75957B_331	scaffold3364	NW_004518078.1	331	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75958B_551	scaffold3364	NW_004518078.1	551	CC	GG	GG	INTERGENIC		
SNP_75959B_562	scaffold3364	NW_004518078.1	562	GG	TT	TT	INTERGENIC		
SNP_75960B_564	scaffold3364	NW_004518078.1	564	AA	GG	GG	INTERGENIC		
SNP_75961B_588	scaffold3364	NW_004518078.1	588	TT	AA	AA	INTERGENIC		
SNP_75962B_649	scaffold3364	NW_004518078.1	649	AA	TT	TT	INTERGENIC		
SNP_75963B_656	scaffold3364	NW_004518078.1	656	CC	TT	TT	INTERGENIC		
SNP_75964B_11523	scaffold3364	NW_004518078.1	11523	AA	GG	GG	INTERGENIC		
SNP_75965B_17403	scaffold3364	NW_004518078.1	17403	TT	GG	GG	INTERGENIC		
SNP_75966B_33969	scaffold3364	NW_004518078.1	33969	TT	AA	AA	INTERGENIC		
SNP_75968B_35077	scaffold3364	NW_004518078.1	35077	AA	GG	GG	INTERGENIC		
SNP_75969B_36001	scaffold3364	NW_004518078.1	36001	GG	AA	AA	INTERGENIC		
SNP_75970B_37911	scaffold3364	NW_004518078.1	37911	AA	GG	GG	INTERGENIC		
SNP_75971B_38131	scaffold3364	NW_004518078.1	38131	AA	GG	GG	INTERGENIC		
SNP_75972B_43276	scaffold3364	NW_004518078.1	43276	AA	TT	TT	INTERGENIC		
SNP_75974B_46915	scaffold3364	NW_004518078.1	46915	AA	GG	GG	INTERGENIC		
SNP_75975B_47244	scaffold3364	NW_004518078.1	47244	AA	TT	TT	INTERGENIC		
SNP_75976B_47286	scaffold3364	NW_004518078.1	47286	AA	GG	GG	INTERGENIC		
SNP_75977B_47407	scaffold3364	NW_004518078.1	47407	AA	TT	TT	INTERGENIC		
SNP_75978B_47637	scaffold3364	NW_004518078.1	47637	TT	CC	CC	INTERGENIC		
SNP_75979B_16845	scaffold3369	NW_004518081.1	16845	CC	AA	AA	INTERGENIC		
SNP_75980B_16874	scaffold3369	NW_004518081.1	16874	AA	GG	GG	INTERGENIC		
SNP_75981B_17329	scaffold3369	NW_004518081.1	17329	GG	AA	AA	INTERGENIC		
SNP_75982B_17748	scaffold3369	NW_004518081.1	17748	TT	CC	CC	INTERGENIC		
SNP_75983B_18098	scaffold3369	NW_004518081.1	18098	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_75984B_18224	scaffold3369	NW_004518081.1	18224	CC	TT	TT	INTERGENIC		
SNP_75986B_20758	scaffold3369	NW_004518081.1	20758	AA	GG	GG	INTERGENIC		
SNP_75987B_20801	scaffold3369	NW_004518081.1	20801	AA	GG	GG	INTERGENIC		
SNP_75988B_20912	scaffold3369	NW_004518081.1	20912	CC	TT	TT	INTERGENIC		
SNP_75989B_19833	scaffold3371	NW_004518082.1	19833	AA	GG	GG	INTERGENIC		
SNP_75990B_34156	scaffold3371	NW_004518082.1	34156	GG	AA	AA	INTERGENIC		
SNP_75991B_34167	scaffold3371	NW_004518082.1	34167	TT	AA	AA	INTERGENIC		
SNP_75992B_1914	scaffold3380	NW_004518088.1	1914	TT	CC	CC	SYNONYMOUS_CODING	101507706	Unknown function
SNP_75993B_1945	scaffold3380	NW_004518088.1	1945	AA	GG	GG	NON_SYNONYMOUS_CODING	101507706	Unknown function
SNP_75994B_2026	scaffold3380	NW_004518088.1	2026	AA	GG	GG	NON_SYNONYMOUS_CODING	101507706	Unknown function
SNP_75995B_2392	scaffold3380	NW_004518088.1	2392	AA	GG	GG	NON_SYNONYMOUS_CODING	101507706	Unknown function
SNP_75996B_2532	scaffold3380	NW_004518088.1	2532	GG	AA	AA	SYNONYMOUS_CODING	101507706	Unknown function
SNP_75997B_3920	scaffold3380	NW_004518088.1	3920	TT	CC	CC	URR	101507706	Unknown function
SNP_75998B_3933	scaffold3380	NW_004518088.1	3933	AA	GG	GG	URR	101507706	Unknown function
SNP_75999B_3952	scaffold3380	NW_004518088.1	3952	AA	GG	GG	URR	101507706	Unknown function
SNP_76000B_4005	scaffold3380	NW_004518088.1	4005	CC	TT	TT	URR	101507706	Unknown function
SNP_76001B_4123	scaffold3380	NW_004518088.1	4123	GG	AA	AA	URR	101507706	Unknown function
SNP_76002B_4139	scaffold3380	NW_004518088.1	4139	CC	TT	TT	URR	101507706	Unknown function
SNP_76003B_4226	scaffold3380	NW_004518088.1	4226	GG	TT	TT	URR	101507706	Unknown function
SNP_76004B_4334	scaffold3380	NW_004518088.1	4334	AA	GG	GG	URR	101507706	Unknown function
SNP_76005B_4375	scaffold3380	NW_004518088.1	4375	CC	TT	TT	URR	101507706	Unknown function
SNP_76006B_5201	scaffold3380	NW_004518088.1	5201	TT	AA	AA	INTERGENIC		
SNP_76007B_299	scaffold3381	NW_004518089.1	299	TT	AA	AA	INTERGENIC		
SNP_76008B_649	scaffold3381	NW_004518089.1	649	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76009B_785	scaffold3381	NW_004518089.1	785	TT	CC	CC	INTERGENIC		
SNP_76010B_1022	scaffold3381	NW_004518089.1	1022	AA	GG	GG	INTERGENIC		
SNP_76011B_1025	scaffold3381	NW_004518089.1	1025	TT	AA	AA	INTERGENIC		
SNP_76012B_1086	scaffold3381	NW_004518089.1	1086	AA	GG	GG	INTERGENIC		
SNP_76013B_1093	scaffold3381	NW_004518089.1	1093	TT	CC	CC	INTERGENIC		
SNP_76014B_1114	scaffold3381	NW_004518089.1	1114	CC	TT	TT	INTERGENIC		
SNP_76015B_1121	scaffold3381	NW_004518089.1	1121	TT	GG	GG	INTERGENIC		
SNP_76016B_1181	scaffold3381	NW_004518089.1	1181	TT	CC	CC	INTERGENIC		
SNP_76017B_1429	scaffold3381	NW_004518089.1	1429	AA	CC	CC	INTERGENIC		
SNP_76018B_1544	scaffold3381	NW_004518089.1	1544	CC	GG	GG	INTERGENIC		
SNP_76019B_1576	scaffold3381	NW_004518089.1	1576	TT	AA	AA	INTERGENIC		
SNP_76020B_3242	scaffold3384	NW_004518092.1	3242	AA	GG	GG	INTERGENIC		
SNP_76021B_1184	scaffold3385	NW_004518093.1	1184	AA	GG	GG	INTERGENIC		
SNP_76022B_2990	scaffold3385	NW_004518093.1	2990	GG	CC	CC	INTERGENIC		
SNP_76023B_2996	scaffold3385	NW_004518093.1	2996	TT	CC	CC	INTERGENIC		
SNP_76024B_8420	scaffold3385	NW_004518093.1	8420	TT	GG	GG	INTERGENIC		
SNP_76025B_1635	scaffold3396	NW_004518102.1	1635	GG	AA	AA	INTERGENIC		
SNP_76026B_21934	scaffold3396	NW_004518102.1	21934	CC	TT	TT	INTERGENIC		
SNP_76028B_18032	scaffold3397	NW_004518103.1	18032	TT	CC	CC	INTERGENIC		
SNP_76029B_50206	scaffold3397	NW_004518103.1	50206	CC	TT	TT	URR	101508348	WD repeat and HMG-box DNA-binding protein 1
SNP_76031B_62768	scaffold3397	NW_004518103.1	62768	GG	AA	AA	NON_SYNONYMOUS_CODING	101508661	uncharacterized LOC101508661
SNP_76033B_94759	scaffold3397	NW_004518103.1	94759	TT	CC	CC	INTERGENIC		
SNP_76034B_107496	scaffold3397	NW_004518103.1	107496	TT	CC	CC	URR	101509835	uridine 5'-monophosphate synthase-like
SNP_76035B_107768	scaffold3397	NW_004518103.1	107768	TT	GG	GG	URR	101509835	uridine 5'-monophosphate synthase-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76036B_108564	scaffold3397	NW_004518103.1	108564	AA	GG	GG	INTERGENIC		
SNP_76037B_951	scaffold3403	NW_004518105.1	951	TT	AA	AA	INTERGENIC		
SNP_76039B_1099	scaffold3404	NW_004518106.1	1099	CC	TT	TT	INTERGENIC		
SNP_76040B_1236	scaffold3404	NW_004518106.1	1236	TT	CC	CC	INTERGENIC		
SNP_76041B_1239	scaffold3404	NW_004518106.1	1239	TT	GG	GG	INTERGENIC		
SNP_76043B_1297	scaffold3404	NW_004518106.1	1297	GG	AA	AA	INTERGENIC		
SNP_76044B_1705	scaffold3404	NW_004518106.1	1705	TT	CC	CC	INTERGENIC		
SNP_76045B_1869	scaffold3404	NW_004518106.1	1869	GG	TT	TT	INTERGENIC		
SNP_76046B_1893	scaffold3404	NW_004518106.1	1893	GG	AA	AA	INTERGENIC		
SNP_76047B_2035	scaffold3404	NW_004518106.1	2035	CC	AA	AA	INTERGENIC		
SNP_76049B_2160	scaffold3404	NW_004518106.1	2160	GG	TT	TT	INTERGENIC		
SNP_76050B_2300	scaffold3404	NW_004518106.1	2300	TT	AA	AA	INTERGENIC		
SNP_76051B_1274	scaffold3406	NW_004518108.1	1274	AA	TT	TT	INTERGENIC		
SNP_76052B_1359	scaffold3406	NW_004518108.1	1359	AA	TT	TT	INTERGENIC		
SNP_76053B_1606	scaffold3406	NW_004518108.1	1606	AA	TT	TT	INTERGENIC		
SNP_76054B_1852	scaffold3406	NW_004518108.1	1852	TT	AA	AA	INTERGENIC		
SNP_76056B_479	scaffold3407	NW_004518109.1	479	CC	TT	TT	INTERGENIC		
SNP_76057B_6218	scaffold3411	NW_004518112.1	6218	TT	AA	AA	INTERGENIC		
SNP_76058B_6229	scaffold3411	NW_004518112.1	6229	GG	AA	AA	INTERGENIC		
SNP_76059B_6241	scaffold3411	NW_004518112.1	6241	AA	CC	CC	INTERGENIC		
SNP_76060B_6255	scaffold3411	NW_004518112.1	6255	AA	TT	TT	INTERGENIC		
SNP_76061B_6274	scaffold3411	NW_004518112.1	6274	AA	TT	TT	INTERGENIC		
SNP_76062B_689	scaffold3412	NW_004518113.1	689	AA	TT	TT	INTERGENIC		
SNP_76063B_697	scaffold3412	NW_004518113.1	697	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76064B_698	scaffold3412	NW_004518113.1	698	AA	TT	TT	INTERGENIC		
SNP_76065B_699	scaffold3412	NW_004518113.1	699	AA	GG	GG	INTERGENIC		
SNP_76066B_707	scaffold3412	NW_004518113.1	707	TT	CC	CC	INTERGENIC		
SNP_76067B_973	scaffold3412	NW_004518113.1	973	CC	AA	AA	INTERGENIC		
SNP_76069B_196	scaffold3423	NW_004518120.1	196	GG	TT	TT	INTERGENIC		
SNP_76070B_342	scaffold3423	NW_004518120.1	342	AA	TT	TT	INTERGENIC		
SNP_76071B_343	scaffold3423	NW_004518120.1	343	CC	TT	TT	INTERGENIC		
SNP_76072B_378	scaffold3423	NW_004518120.1	378	AA	CC	CC	INTERGENIC		
SNP_76073B_399	scaffold3423	NW_004518120.1	399	TT	CC	CC	INTERGENIC		
SNP_76074B_475	scaffold3423	NW_004518120.1	475	CC	TT	TT	INTERGENIC		
SNP_76075B_479	scaffold3423	NW_004518120.1	479	GG	CC	CC	INTERGENIC		
SNP_76076B_482	scaffold3423	NW_004518120.1	482	AA	TT	TT	INTERGENIC		
SNP_76077B_493	scaffold3423	NW_004518120.1	493	CC	TT	TT	INTERGENIC		
SNP_76078B_503	scaffold3423	NW_004518120.1	503	CC	GG	GG	INTERGENIC		
SNP_76079B_523	scaffold3423	NW_004518120.1	523	GG	AA	AA	INTERGENIC		
SNP_76080B_530	scaffold3423	NW_004518120.1	530	AA	GG	GG	INTERGENIC		
SNP_76081B_563	scaffold3423	NW_004518120.1	563	TT	AA	AA	INTERGENIC		
SNP_76082B_571	scaffold3423	NW_004518120.1	571	TT	AA	AA	INTERGENIC		
SNP_76083B_911	scaffold3423	NW_004518120.1	911	GG	AA	AA	INTERGENIC		
SNP_76084B_336	scaffold3424	NW_004518121.1	336	TT	CC	CC	INTERGENIC		
SNP_76085B_558	scaffold3424	NW_004518121.1	558	AA	TT	TT	INTERGENIC		
SNP_76086B_760	scaffold3424	NW_004518121.1	760	TT	GG	GG	INTERGENIC		
SNP_76087B_412	scaffold3426	NW_004518122.1	412	AA	GG	GG	INTERGENIC		
SNP_76088B_422	scaffold3426	NW_004518122.1	422	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76089B_424	scaffold3426	NW_004518122.1	424	AA	TT	TT	INTERGENIC		
SNP_76090B_10356	scaffold3429	NW_004518125.1	10356	GG	CC	CC	INTERGENIC		
SNP_76091B_11080	scaffold3429	NW_004518125.1	11080	AA	GG	GG	INTERGENIC		
SNP_76092B_11224	scaffold3429	NW_004518125.1	11224	AA	GG	GG	INTERGENIC		
SNP_76093B_23889	scaffold3432	NW_004518127.1	23889	CC	AA	AA	INTERGENIC		
SNP_76095B_24352	scaffold3432	NW_004518127.1	24352	AA	TT	TT	INTERGENIC		
SNP_76096B_24365	scaffold3432	NW_004518127.1	24365	CC	TT	TT	INTERGENIC		
SNP_76097B_24539	scaffold3432	NW_004518127.1	24539	GG	AA	AA	INTERGENIC		
SNP_76098B_25064	scaffold3432	NW_004518127.1	25064	TT	CC	CC	INTERGENIC		
SNP_76099B_25071	scaffold3432	NW_004518127.1	25071	TT	CC	CC	INTERGENIC		
SNP_76100B_25076	scaffold3432	NW_004518127.1	25076	GG	TT	TT	INTERGENIC		
SNP_76101B_25665	scaffold3432	NW_004518127.1	25665	CC	TT	TT	INTERGENIC		
SNP_76102B_26441	scaffold3432	NW_004518127.1	26441	AA	GG	GG	INTERGENIC		
SNP_76103B_29782	scaffold3432	NW_004518127.1	29782	AA	CC	CC	INTRON	101514264	Unknown function
SNP_76104B_29790	scaffold3432	NW_004518127.1	29790	TT	AA	AA	INTRON	101514264	Unknown function
SNP_76105B_30091	scaffold3432	NW_004518127.1	30091	GG	AA	AA	INTRON	101514264	Unknown function
SNP_76106B_30135	scaffold3432	NW_004518127.1	30135	AA	GG	GG	INTRON	101514264	Unknown function
SNP_76107B_30143	scaffold3432	NW_004518127.1	30143	TT	CC	CC	INTRON	101514264	Unknown function
SNP_76108B_30185	scaffold3432	NW_004518127.1	30185	GG	TT	TT	INTRON	101514264	Unknown function
SNP_76109B_35410	scaffold3432	NW_004518127.1	35410	CC	TT	TT	INTRON	101514264	Unknown function
SNP_76110B_35427	scaffold3432	NW_004518127.1	35427	CC	TT	TT	INTRON	101514264	Unknown function
SNP_76111B_35435	scaffold3432	NW_004518127.1	35435	CC	TT	TT	INTRON	101514264	Unknown function
SNP_76113B_35684	scaffold3432	NW_004518127.1	35684	AA	TT	TT	INTRON	101514264	Unknown function
SNP_76114B_61284	scaffold3432	NW_004518127.1	61284	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76115B_61285	scaffold3432	NW_004518127.1	61285	TT	GG	GG	INTERGENIC		
SNP_76116B_68054	scaffold3432	NW_004518127.1	68054	CC	TT	TT	INTERGENIC		
SNP_76117B_79273	scaffold3432	NW_004518127.1	79273	GG	TT	TT	INTERGENIC		
SNP_76118B_81703	scaffold3432	NW_004518127.1	81703	TT	CC	CC	INTERGENIC		
SNP_76119B_81798	scaffold3432	NW_004518127.1	81798	CC	TT	TT	INTERGENIC		
SNP_76120B_85452	scaffold3432	NW_004518127.1	85452	CC	TT	TT	INTERGENIC		
SNP_76121B_85464	scaffold3432	NW_004518127.1	85464	CC	TT	TT	INTERGENIC		
SNP_76122B_7685	scaffold3434	NW_004518129.1	7685	TT	AA	AA	INTERGENIC		
SNP_76123B_7686	scaffold3434	NW_004518129.1	7686	AA	TT	TT	INTERGENIC		
SNP_76124B_10976	scaffold3434	NW_004518129.1	10976	TT	CC	CC	INTERGENIC		
SNP_76125B_11005	scaffold3434	NW_004518129.1	11005	AA	GG	GG	INTERGENIC		
SNP_76126B_11868	scaffold3434	NW_004518129.1	11868	GG	TT	TT	INTERGENIC		
SNP_76127B_11920	scaffold3434	NW_004518129.1	11920	CC	TT	TT	INTERGENIC		
SNP_76128B_12021	scaffold3434	NW_004518129.1	12021	CC	AA	AA	INTERGENIC		
SNP_76129B_5733	scaffold3435	NW_004518130.1	5733	AA	TT	TT	INTERGENIC		
SNP_76130B_10605	scaffold3435	NW_004518130.1	10605	AA	GG	GG	INTERGENIC		
SNP_76131B_10802	scaffold3435	NW_004518130.1	10802	CC	TT	TT	INTERGENIC		
SNP_76132B_10817	scaffold3435	NW_004518130.1	10817	AA	GG	GG	INTERGENIC		
SNP_76134B_16157	scaffold3435	NW_004518130.1	16157	GG	TT	TT	INTERGENIC		
SNP_76135B_16168	scaffold3435	NW_004518130.1	16168	CC	AA	AA	INTERGENIC		
SNP_76136B_16190	scaffold3435	NW_004518130.1	16190	TT	CC	CC	INTERGENIC		
SNP_76137B_16209	scaffold3435	NW_004518130.1	16209	AA	GG	GG	INTERGENIC		
SNP_76138B_16239	scaffold3435	NW_004518130.1	16239	AA	CC	CC	INTERGENIC		
SNP_76139B_16262	scaffold3435	NW_004518130.1	16262	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76140B_1645	scaffold3436	NW_004518131.1	1645	CC	TT	TT	INTERGENIC		
SNP_76141B_7378	scaffold3436	NW_004518131.1	7378	GG	TT	TT	INTERGENIC		
SNP_76142B_8881	scaffold3436	NW_004518131.1	8881	TT	AA	AA	INTERGENIC		
SNP_76145B_9569	scaffold3436	NW_004518131.1	9569	TT	GG	GG	INTERGENIC		
SNP_76146B_9668	scaffold3436	NW_004518131.1	9668	AA	TT	TT	INTERGENIC		
SNP_76148B_10284	scaffold3436	NW_004518131.1	10284	TT	AA	AA	INTERGENIC		
SNP_76149B_12162	scaffold3436	NW_004518131.1	12162	GG	CC	CC	INTERGENIC		
SNP_76150B_13038	scaffold3436	NW_004518131.1	13038	CC	TT	TT	INTERGENIC		
SNP_76151B_13048	scaffold3436	NW_004518131.1	13048	GG	AA	AA	INTERGENIC		
SNP_76152B_13094	scaffold3436	NW_004518131.1	13094	CC	TT	TT	INTERGENIC		
SNP_76153B_13098	scaffold3436	NW_004518131.1	13098	GG	AA	AA	INTERGENIC		
SNP_76154B_13182	scaffold3436	NW_004518131.1	13182	GG	AA	AA	INTERGENIC		
SNP_76155B_13195	scaffold3436	NW_004518131.1	13195	GG	TT	TT	INTERGENIC		
SNP_76156B_13263	scaffold3436	NW_004518131.1	13263	CC	AA	AA	INTERGENIC		
SNP_76157B_13296	scaffold3436	NW_004518131.1	13296	AA	GG	GG	INTERGENIC		
SNP_76158B_13523	scaffold3436	NW_004518131.1	13523	GG	CC	CC	INTERGENIC		
SNP_76159B_13563	scaffold3436	NW_004518131.1	13563	TT	AA	AA	INTERGENIC		
SNP_76161B_13852	scaffold3436	NW_004518131.1	13852	CC	TT	TT	INTERGENIC		
SNP_76162B_1629	scaffold3437	NW_004518132.1	1629	AA	TT	TT	INTERGENIC		
SNP_76163B_2947	scaffold3438	NW_004518133.1	2947	AA	TT	TT	INTERGENIC		
SNP_76164B_3369	scaffold3438	NW_004518133.1	3369	AA	TT	TT	INTERGENIC		
SNP_76165B_3372	scaffold3438	NW_004518133.1	3372	GG	AA	AA	INTERGENIC		
SNP_76166B_3373	scaffold3438	NW_004518133.1	3373	GG	AA	AA	INTERGENIC		
SNP_76167B_3381	scaffold3438	NW_004518133.1	3381	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76168B_3432	scaffold3438	NW_004518133.1	3432	TT	AA	AA	INTERGENIC		
SNP_76169B_11298	scaffold3438	NW_004518133.1	11298	AA	GG	GG	INTERGENIC		
SNP_76170B_12038	scaffold3438	NW_004518133.1	12038	TT	AA	AA	INTERGENIC		
SNP_76171B_12384	scaffold3438	NW_004518133.1	12384	TT	AA	AA	INTERGENIC		
SNP_76173B_12393	scaffold3438	NW_004518133.1	12393	GG	TT	TT	INTERGENIC		
SNP_76174B_12419	scaffold3438	NW_004518133.1	12419	GG	TT	TT	INTERGENIC		
SNP_76176B_12596	scaffold3438	NW_004518133.1	12596	TT	AA	AA	INTERGENIC		
SNP_76177B_12607	scaffold3438	NW_004518133.1	12607	CC	AA	AA	INTERGENIC		
SNP_76178B_12609	scaffold3438	NW_004518133.1	12609	TT	AA	AA	INTERGENIC		
SNP_76179B_12611	scaffold3438	NW_004518133.1	12611	CC	AA	AA	INTERGENIC		
SNP_76180B_12636	scaffold3438	NW_004518133.1	12636	CC	TT	TT	INTERGENIC		
SNP_76181B_12645	scaffold3438	NW_004518133.1	12645	TT	CC	CC	INTERGENIC		
SNP_76183B_12870	scaffold3438	NW_004518133.1	12870	CC	TT	TT	INTERGENIC		
SNP_76184B_12877	scaffold3438	NW_004518133.1	12877	AA	GG	GG	INTERGENIC		
SNP_76185B_12916	scaffold3438	NW_004518133.1	12916	GG	AA	AA	INTERGENIC		
SNP_76186B_12947	scaffold3438	NW_004518133.1	12947	TT	AA	AA	INTERGENIC		
SNP_76187B_12960	scaffold3438	NW_004518133.1	12960	CC	TT	TT	INTERGENIC		
SNP_76188B_13107	scaffold3438	NW_004518133.1	13107	CC	TT	TT	INTERGENIC		
SNP_76189B_13149	scaffold3438	NW_004518133.1	13149	AA	GG	GG	INTERGENIC		
SNP_76190B_13535	scaffold3438	NW_004518133.1	13535	TT	CC	CC	INTERGENIC		
SNP_76191B_22501	scaffold3438	NW_004518133.1	22501	GG	AA	AA	DRR	101515552	Unknown function
SNP_76192B_22537	scaffold3438	NW_004518133.1	22537	TT	AA	AA	DRR	101515552	Unknown function
SNP_76194B_22919	scaffold3438	NW_004518133.1	22919	TT	CC	CC	DRR	101515552	Unknown function
SNP_76195B_289	scaffold3444	NW_004518138.1	289	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76196B_11419	scaffold3445	NW_004518139.1	11419	TT	CC	CC	INTERGENIC		
SNP_76197B_30868	scaffold3447	NW_004518141.1	30868	CC	GG	GG	INTERGENIC		
SNP_76198B_5425	scaffold3448	NW_004518142.1	5425	AA	TT	TT	INTERGENIC		
SNP_76199B_5489	scaffold3448	NW_004518142.1	5489	CC	TT	TT	INTERGENIC		
SNP_76200B_5618	scaffold3448	NW_004518142.1	5618	TT	CC	CC	INTERGENIC		
SNP_76201B_5796	scaffold3448	NW_004518142.1	5796	CC	TT	TT	INTERGENIC		
SNP_76202B_5836	scaffold3448	NW_004518142.1	5836	TT	CC	CC	INTERGENIC		
SNP_76203B_5897	scaffold3448	NW_004518142.1	5897	TT	GG	GG	INTERGENIC		
SNP_76204B_5953	scaffold3448	NW_004518142.1	5953	AA	TT	TT	INTERGENIC		
SNP_76205B_6017	scaffold3448	NW_004518142.1	6017	AA	GG	GG	INTERGENIC		
SNP_76206B_6025	scaffold3448	NW_004518142.1	6025	CC	AA	AA	INTERGENIC		
SNP_76207B_3206	scaffold3450	NW_004518143.1	3206	TT	AA	AA	INTERGENIC		
SNP_76208B_13478	scaffold3450	NW_004518143.1	13478	TT	CC	CC	INTERGENIC		
SNP_76209B_15100	scaffold3450	NW_004518143.1	15100	GG	CC	CC	INTERGENIC		
SNP_76210B_15103	scaffold3450	NW_004518143.1	15103	AA	TT	TT	INTERGENIC		
SNP_76212B_1922	scaffold3453	NW_004518145.1	1922	TT	CC	CC	INTERGENIC		
SNP_76213B_2035	scaffold3453	NW_004518145.1	2035	TT	CC	CC	INTERGENIC		
SNP_76214B_2157	scaffold3453	NW_004518145.1	2157	AA	TT	TT	INTERGENIC		
SNP_76215B_2158	scaffold3453	NW_004518145.1	2158	TT	GG	GG	INTERGENIC		
SNP_76216B_299	scaffold3455	NW_004518147.1	299	TT	CC	CC	INTERGENIC		
SNP_76217B_413	scaffold3455	NW_004518147.1	413	CC	AA	AA	INTERGENIC		
SNP_76218B_675	scaffold3455	NW_004518147.1	675	AA	GG	GG	INTERGENIC		
SNP_76219B_676	scaffold3455	NW_004518147.1	676	AA	TT	TT	INTERGENIC		
SNP_76220B_709	scaffold3455	NW_004518147.1	709	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76221B_769	scaffold3455	NW_004518147.1	769	AA	TT	TT	INTERGENIC		
SNP_76222B_902	scaffold3455	NW_004518147.1	902	GG	AA	AA	INTERGENIC		
SNP_76223B_903	scaffold3455	NW_004518147.1	903	AA	GG	GG	INTERGENIC		
SNP_76224B_1064	scaffold3455	NW_004518147.1	1064	TT	CC	CC	INTERGENIC		
SNP_76225B_1102	scaffold3455	NW_004518147.1	1102	CC	TT	TT	INTERGENIC		
SNP_76226B_522	scaffold3457	NW_004518148.1	522	TT	AA	AA	INTERGENIC		
SNP_76227B_2321	scaffold3457	NW_004518148.1	2321	AA	TT	TT	INTERGENIC		
SNP_76228B_4804	scaffold3457	NW_004518148.1	4804	AA	GG	GG	INTERGENIC		
SNP_76229B_4854	scaffold3457	NW_004518148.1	4854	CC	TT	TT	INTERGENIC		
SNP_76230B_4855	scaffold3457	NW_004518148.1	4855	GG	TT	TT	INTERGENIC		
SNP_76231B_4898	scaffold3457	NW_004518148.1	4898	CC	TT	TT	INTERGENIC		
SNP_76232B_5064	scaffold3457	NW_004518148.1	5064	CC	TT	TT	INTERGENIC		
SNP_76233B_7056	scaffold3458	NW_004518149.1	7056	GG	AA	AA	INTERGENIC		
SNP_76234B_7126	scaffold3458	NW_004518149.1	7126	GG	AA	AA	INTERGENIC		
SNP_76235B_7329	scaffold3458	NW_004518149.1	7329	GG	TT	TT	INTERGENIC		
SNP_76236B_7361	scaffold3458	NW_004518149.1	7361	TT	CC	CC	INTERGENIC		
SNP_76237B_7501	scaffold3458	NW_004518149.1	7501	GG	AA	AA	INTERGENIC		
SNP_76238B_9964	scaffold3458	NW_004518149.1	9964	CC	TT	TT	INTERGENIC		
SNP_76240B_10045	scaffold3458	NW_004518149.1	10045	AA	GG	GG	INTERGENIC		
SNP_76241B_11712	scaffold3458	NW_004518149.1	11712	CC	TT	TT	INTERGENIC		
SNP_76242B_11728	scaffold3458	NW_004518149.1	11728	AA	TT	TT	INTERGENIC		
SNP_76243B_11908	scaffold3458	NW_004518149.1	11908	GG	CC	CC	INTERGENIC		
SNP_76244B_11912	scaffold3458	NW_004518149.1	11912	CC	GG	GG	INTERGENIC		
SNP_76245B_16256	scaffold3458	NW_004518149.1	16256	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76246B_17829	scaffold3458	NW_004518149.1	17829	TT	GG	GG	INTERGENIC		
SNP_76247B_9181	scaffold3463	NW_004518154.1	9181	GG	TT	TT	INTERGENIC		
SNP_76248B_9227	scaffold3463	NW_004518154.1	9227	GG	AA	AA	INTERGENIC		
SNP_76249B_9559	scaffold3463	NW_004518154.1	9559	CC	TT	TT	INTERGENIC		
SNP_76250B_10724	scaffold3463	NW_004518154.1	10724	TT	CC	CC	INTERGENIC		
SNP_76251B_10731	scaffold3463	NW_004518154.1	10731	AA	GG	GG	INTERGENIC		
SNP_76252B_15600	scaffold3463	NW_004518154.1	15600	TT	AA	AA	INTERGENIC		
SNP_76253B_15617	scaffold3463	NW_004518154.1	15617	GG	CC	CC	INTERGENIC		
SNP_76254B_15659	scaffold3463	NW_004518154.1	15659	AA	TT	TT	INTERGENIC		
SNP_76255B_15664	scaffold3463	NW_004518154.1	15664	TT	GG	GG	INTERGENIC		
SNP_76256B_15862	scaffold3463	NW_004518154.1	15862	CC	AA	AA	INTERGENIC		
SNP_76257B_15876	scaffold3463	NW_004518154.1	15876	AA	TT	TT	INTERGENIC		
SNP_76258B_15948	scaffold3463	NW_004518154.1	15948	TT	CC	CC	INTERGENIC		
SNP_76259B_5419	scaffold3464	NW_004518155.1	5419	CC	TT	TT	INTERGENIC		
SNP_76260B_11243	scaffold3464	NW_004518155.1	11243	TT	CC	CC	INTERGENIC		
SNP_76261B_13499	scaffold3464	NW_004518155.1	13499	TT	CC	CC	INTERGENIC		
SNP_76262B_13525	scaffold3464	NW_004518155.1	13525	GG	AA	AA	INTERGENIC		
SNP_76263B_17027	scaffold3464	NW_004518155.1	17027	CC	TT	TT	INTERGENIC		
SNP_76264B_17082	scaffold3464	NW_004518155.1	17082	CC	TT	TT	INTERGENIC		
SNP_76265B_17139	scaffold3464	NW_004518155.1	17139	CC	AA	AA	INTERGENIC		
SNP_76266B_971	scaffold3466	NW_004518157.1	971	GG	AA	AA	INTERGENIC		
SNP_76267B_982	scaffold3466	NW_004518157.1	982	CC	AA	AA	INTERGENIC		
SNP_76268B_64	scaffold3468	NW_004518159.1	64	TT	GG	GG	INTERGENIC		
SNP_76269B_67	scaffold3468	NW_004518159.1	67	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76270B_108	scaffold3468	NW_004518159.1	108	CC	TT	TT	INTERGENIC		
SNP_76271B_236	scaffold3468	NW_004518159.1	236	AA	GG	GG	INTERGENIC		
SNP_76272B_331	scaffold3468	NW_004518159.1	331	TT	AA	AA	INTERGENIC		
SNP_76273B_379	scaffold3468	NW_004518159.1	379	AA	GG	GG	INTERGENIC		
SNP_76274B_1733	scaffold3468	NW_004518159.1	1733	TT	GG	GG	INTERGENIC		
SNP_76275B_2088	scaffold3470	NW_004518160.1	2088	CC	TT	TT	INTERGENIC		
SNP_76276B_21568	scaffold3470	NW_004518160.1	21568	CC	TT	TT	INTERGENIC		
SNP_76277B_37734	scaffold3470	NW_004518160.1	37734	CC	AA	AA	INTERGENIC		
SNP_76278B_37769	scaffold3470	NW_004518160.1	37769	AA	TT	TT	INTERGENIC		
SNP_76279B_37908	scaffold3470	NW_004518160.1	37908	AA	TT	TT	INTERGENIC		
SNP_76280B_43024	scaffold3470	NW_004518160.1	43024	GG	AA	AA	INTERGENIC		
SNP_76281B_44813	scaffold3470	NW_004518160.1	44813	TT	AA	AA	INTERGENIC		
SNP_76282B_75266	scaffold3470	NW_004518160.1	75266	TT	CC	CC	INTERGENIC		
SNP_76283B_78744	scaffold3470	NW_004518160.1	78744	TT	AA	AA	INTERGENIC		
SNP_76284B_78901	scaffold3470	NW_004518160.1	78901	AA	GG	GG	INTERGENIC		
SNP_76285B_82184	scaffold3470	NW_004518160.1	82184	GG	CC	CC	INTERGENIC		
SNP_76286B_82513	scaffold3470	NW_004518160.1	82513	AA	TT	TT	INTERGENIC		
SNP_76287B_82529	scaffold3470	NW_004518160.1	82529	GG	CC	CC	INTERGENIC		
SNP_76288B_82609	scaffold3470	NW_004518160.1	82609	TT	CC	CC	INTERGENIC		
SNP_76289B_98353	scaffold3470	NW_004518160.1	98353	AA	GG	GG	INTERGENIC		
SNP_76291B_6967	scaffold3472	NW_004518162.1	6967	GG	TT	TT	INTERGENIC		
SNP_76292B_7108	scaffold3472	NW_004518162.1	7108	CC	AA	AA	INTERGENIC		
SNP_76293B_7131	scaffold3472	NW_004518162.1	7131	TT	CC	CC	INTERGENIC		
SNP_76295B_7278	scaffold3472	NW_004518162.1	7278	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76296B_7499	scaffold3472	NW_004518162.1	7499	TT	CC	CC	INTERGENIC		
SNP_76297B_8759	scaffold3472	NW_004518162.1	8759	AA	GG	GG	INTERGENIC		
SNP_76298B_8876	scaffold3472	NW_004518162.1	8876	TT	CC	CC	INTERGENIC		
SNP_76299B_8894	scaffold3472	NW_004518162.1	8894	AA	GG	GG	INTERGENIC		
SNP_76300B_8990	scaffold3472	NW_004518162.1	8990	GG	AA	AA	INTERGENIC		
SNP_76302B_9135	scaffold3472	NW_004518162.1	9135	AA	GG	GG	INTERGENIC		
SNP_76303B_9305	scaffold3472	NW_004518162.1	9305	CC	TT	TT	INTERGENIC		
SNP_76305B_9533	scaffold3472	NW_004518162.1	9533	GG	AA	AA	INTERGENIC		
SNP_76306B_9573	scaffold3472	NW_004518162.1	9573	CC	TT	TT	INTERGENIC		
SNP_76307B_9583	scaffold3472	NW_004518162.1	9583	AA	CC	CC	INTERGENIC		
SNP_76308B_9627	scaffold3472	NW_004518162.1	9627	CC	GG	GG	INTERGENIC		
SNP_76309B_9837	scaffold3472	NW_004518162.1	9837	CC	TT	TT	INTERGENIC		
SNP_76310B_9902	scaffold3472	NW_004518162.1	9902	CC	TT	TT	INTERGENIC		
SNP_76311B_9919	scaffold3472	NW_004518162.1	9919	CC	TT	TT	INTERGENIC		
SNP_76312B_9959	scaffold3472	NW_004518162.1	9959	CC	TT	TT	INTERGENIC		
SNP_76313B_10072	scaffold3472	NW_004518162.1	10072	TT	CC	CC	INTERGENIC		
SNP_76314B_10232	scaffold3472	NW_004518162.1	10232	TT	CC	CC	INTERGENIC		
SNP_76315B_10235	scaffold3472	NW_004518162.1	10235	TT	AA	AA	INTERGENIC		
SNP_76318B_526	scaffold3473	NW_004518163.1	526	TT	CC	CC	INTERGENIC		
SNP_76319B_674	scaffold3473	NW_004518163.1	674	CC	TT	TT	INTERGENIC		
SNP_76320B_734	scaffold3473	NW_004518163.1	734	TT	GG	GG	INTERGENIC		
SNP_76321B_764	scaffold3473	NW_004518163.1	764	TT	CC	CC	INTERGENIC		
SNP_76322B_455	scaffold3474	NW_004518164.1	455	TT	CC	CC	INTERGENIC		
SNP_76323B_993	scaffold3474	NW_004518164.1	993	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76324B_1009	scaffold3474	NW_004518164.1	1009	TT	CC	CC	INTERGENIC		
SNP_76325B_1015	scaffold3474	NW_004518164.1	1015	AA	GG	GG	INTERGENIC		
SNP_76326B_580	scaffold3475	NW_004518165.1	580	CC	TT	TT	INTERGENIC		
SNP_76327B_973	scaffold3475	NW_004518165.1	973	AA	GG	GG	INTERGENIC		
SNP_76328B_1417	scaffold3475	NW_004518165.1	1417	AA	GG	GG	INTERGENIC		
SNP_76329B_5328	scaffold3475	NW_004518165.1	5328	GG	AA	AA	INTERGENIC		
SNP_76330B_5534	scaffold3475	NW_004518165.1	5534	TT	AA	AA	INTERGENIC		
SNP_76331B_5535	scaffold3475	NW_004518165.1	5535	CC	AA	AA	INTERGENIC		
SNP_76332B_5809	scaffold3475	NW_004518165.1	5809	TT	CC	CC	INTERGENIC		
SNP_76333B_5896	scaffold3475	NW_004518165.1	5896	CC	TT	TT	INTERGENIC		
SNP_76334B_6046	scaffold3475	NW_004518165.1	6046	GG	AA	AA	INTERGENIC		
SNP_76335B_6047	scaffold3475	NW_004518165.1	6047	TT	CC	CC	INTERGENIC		
SNP_76337B_6237	scaffold3475	NW_004518165.1	6237	CC	TT	TT	INTERGENIC		
SNP_76338B_6299	scaffold3475	NW_004518165.1	6299	GG	AA	AA	INTERGENIC		
SNP_76339B_6357	scaffold3475	NW_004518165.1	6357	CC	TT	TT	INTERGENIC		
SNP_76340B_6362	scaffold3475	NW_004518165.1	6362	CC	TT	TT	INTERGENIC		
SNP_76341B_6411	scaffold3475	NW_004518165.1	6411	GG	TT	TT	INTERGENIC		
SNP_76342B_7438	scaffold3475	NW_004518165.1	7438	TT	CC	CC	INTERGENIC		
SNP_76343B_7623	scaffold3475	NW_004518165.1	7623	AA	TT	TT	INTERGENIC		
SNP_76344B_7721	scaffold3475	NW_004518165.1	7721	GG	AA	AA	INTERGENIC		
SNP_76345B_7853	scaffold3475	NW_004518165.1	7853	CC	TT	TT	INTERGENIC		
SNP_76346B_7998	scaffold3475	NW_004518165.1	7998	GG	CC	CC	INTERGENIC		
SNP_76347B_8101	scaffold3475	NW_004518165.1	8101	CC	GG	GG	INTERGENIC		
SNP_76348B_8124	scaffold3475	NW_004518165.1	8124	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76349B_8497	scaffold3475	NW_004518165.1	8497	GG	AA	AA	INTERGENIC		
SNP_76350B_9816	scaffold3475	NW_004518165.1	9816	AA	GG	GG	INTERGENIC		
SNP_76351B_9975	scaffold3475	NW_004518165.1	9975	AA	GG	GG	INTERGENIC		
SNP_76352B_10158	scaffold3475	NW_004518165.1	10158	AA	GG	GG	INTERGENIC		
SNP_76353B_10273	scaffold3475	NW_004518165.1	10273	CC	TT	TT	INTERGENIC		
SNP_76354B_10326	scaffold3475	NW_004518165.1	10326	AA	CC	CC	INTERGENIC		
SNP_76355B_10429	scaffold3475	NW_004518165.1	10429	TT	CC	CC	INTERGENIC		
SNP_76356B_10498	scaffold3475	NW_004518165.1	10498	GG	AA	AA	INTERGENIC		
SNP_76357B_10594	scaffold3475	NW_004518165.1	10594	AA	GG	GG	INTERGENIC		
SNP_76358B_22514	scaffold3475	NW_004518165.1	22514	GG	TT	TT	INTERGENIC		
SNP_76359B_27260	scaffold3475	NW_004518165.1	27260	TT	AA	AA	INTERGENIC		
SNP_76360B_27318	scaffold3475	NW_004518165.1	27318	AA	GG	GG	INTERGENIC		
SNP_76361B_27397	scaffold3475	NW_004518165.1	27397	TT	CC	CC	INTERGENIC		
SNP_76362B_27400	scaffold3475	NW_004518165.1	27400	AA	GG	GG	INTERGENIC		
SNP_76363B_27509	scaffold3475	NW_004518165.1	27509	CC	GG	GG	INTERGENIC		
SNP_76364B_27526	scaffold3475	NW_004518165.1	27526	GG	AA	AA	INTERGENIC		
SNP_76365B_27708	scaffold3475	NW_004518165.1	27708	TT	AA	AA	INTERGENIC		
SNP_76366B_27755	scaffold3475	NW_004518165.1	27755	CC	TT	TT	INTERGENIC		
SNP_76367B_27779	scaffold3475	NW_004518165.1	27779	TT	CC	CC	INTERGENIC		
SNP_76368B_29332	scaffold3475	NW_004518165.1	29332	TT	GG	GG	INTERGENIC		
SNP_76369B_29909	scaffold3475	NW_004518165.1	29909	AA	GG	GG	INTERGENIC		
SNP_76370B_29946	scaffold3475	NW_004518165.1	29946	TT	GG	GG	INTERGENIC		
SNP_76371B_30039	scaffold3475	NW_004518165.1	30039	GG	AA	AA	INTERGENIC		
SNP_76372B_30047	scaffold3475	NW_004518165.1	30047	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76373B_30210	scaffold3475	NW_004518165.1	30210	CC	GG	GG	INTERGENIC		
SNP_76374B_30356	scaffold3475	NW_004518165.1	30356	GG	AA	AA	INTERGENIC		
SNP_76375B_30396	scaffold3475	NW_004518165.1	30396	AA	CC	CC	INTERGENIC		
SNP_76376B_30452	scaffold3475	NW_004518165.1	30452	GG	AA	AA	INTERGENIC		
SNP_76377B_30499	scaffold3475	NW_004518165.1	30499	AA	GG	GG	INTERGENIC		
SNP_76378B_30602	scaffold3475	NW_004518165.1	30602	GG	AA	AA	INTERGENIC		
SNP_76379B_30751	scaffold3475	NW_004518165.1	30751	AA	CC	CC	INTERGENIC		
SNP_76380B_30755	scaffold3475	NW_004518165.1	30755	TT	GG	GG	INTERGENIC		
SNP_76381B_30934	scaffold3475	NW_004518165.1	30934	CC	TT	TT	INTERGENIC		
SNP_76382B_30970	scaffold3475	NW_004518165.1	30970	CC	TT	TT	INTERGENIC		
SNP_76383B_30985	scaffold3475	NW_004518165.1	30985	GG	AA	AA	INTERGENIC		
SNP_76384B_31159	scaffold3475	NW_004518165.1	31159	AA	GG	GG	INTERGENIC		
SNP_76385B_31172	scaffold3475	NW_004518165.1	31172	AA	GG	GG	INTERGENIC		
SNP_76387B_31337	scaffold3475	NW_004518165.1	31337	CC	AA	AA	INTERGENIC		
SNP_76388B_31658	scaffold3475	NW_004518165.1	31658	GG	AA	AA	INTERGENIC		
SNP_76390B_34735	scaffold3475	NW_004518165.1	34735	CC	TT	TT	INTERGENIC		
SNP_76391B_36895	scaffold3475	NW_004518165.1	36895	TT	AA	AA	INTERGENIC		
SNP_76392B_36902	scaffold3475	NW_004518165.1	36902	CC	GG	GG	INTERGENIC		
SNP_76393B_37129	scaffold3475	NW_004518165.1	37129	TT	CC	CC	INTERGENIC		
SNP_76394B_38888	scaffold3475	NW_004518165.1	38888	GG	TT	TT	INTERGENIC		
SNP_76395B_42792	scaffold3475	NW_004518165.1	42792	GG	AA	AA	INTERGENIC		
SNP_76396B_43050	scaffold3475	NW_004518165.1	43050	TT	CC	CC	INTERGENIC		
SNP_76397B_43194	scaffold3475	NW_004518165.1	43194	AA	GG	GG	INTERGENIC		
SNP_76398B_45207	scaffold3475	NW_004518165.1	45207	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76399B_56373	scaffold3475	NW_004518165.1	56373	GG	TT	TT	INTERGENIC		
SNP_76400B_56774	scaffold3475	NW_004518165.1	56774	TT	GG	GG	INTERGENIC		
SNP_76401B_73783	scaffold3475	NW_004518165.1	73783	TT	CC	CC	INTERGENIC		
SNP_76402B_5716	scaffold3476	NW_004518166.1	5716	CC	AA	AA	INTERGENIC		
SNP_76403B_6027	scaffold3476	NW_004518166.1	6027	GG	AA	AA	INTERGENIC		
SNP_76404B_1281	scaffold3483	NW_004518170.1	1281	TT	GG	GG	INTERGENIC		
SNP_76405B_418	scaffold3485	NW_004518172.1	418	TT	AA	AA	INTERGENIC		
SNP_76406B_467	scaffold3485	NW_004518172.1	467	AA	TT	TT	INTERGENIC		
SNP_76408B_1717	scaffold3485	NW_004518172.1	1717	AA	TT	TT	INTERGENIC		
SNP_76410B_1850	scaffold3485	NW_004518172.1	1850	AA	TT	TT	INTERGENIC		
SNP_76411B_4729	scaffold3485	NW_004518172.1	4729	CC	TT	TT	INTERGENIC		
SNP_76412B_4768	scaffold3485	NW_004518172.1	4768	TT	AA	AA	INTERGENIC		
SNP_76413B_5064	scaffold3485	NW_004518172.1	5064	TT	AA	AA	INTERGENIC		
SNP_76414B_5105	scaffold3485	NW_004518172.1	5105	AA	TT	TT	INTERGENIC		
SNP_76415B_5386	scaffold3485	NW_004518172.1	5386	AA	GG	GG	INTERGENIC		
SNP_76416B_5738	scaffold3485	NW_004518172.1	5738	CC	TT	TT	INTERGENIC		
SNP_76417B_293	scaffold3488	NW_004518175.1	293	CC	GG	GG	INTERGENIC		
SNP_76420B_2296	scaffold3489	NW_004518176.1	2296	AA	TT	TT	INTERGENIC		
SNP_76421B_2321	scaffold3489	NW_004518176.1	2321	AA	GG	GG	INTERGENIC		
SNP_76422B_2364	scaffold3489	NW_004518176.1	2364	GG	AA	AA	INTERGENIC		
SNP_76424B_2444	scaffold3489	NW_004518176.1	2444	CC	TT	TT	INTERGENIC		
SNP_76425B_2451	scaffold3489	NW_004518176.1	2451	GG	TT	TT	INTERGENIC		
SNP_76426B_2574	scaffold3489	NW_004518176.1	2574	TT	GG	GG	INTERGENIC		
SNP_76427B_3563	scaffold3489	NW_004518176.1	3563	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76428B_4684	scaffold3489	NW_004518176.1	4684	AA	GG	GG	INTERGENIC		
SNP_76429B_4693	scaffold3489	NW_004518176.1	4693	AA	CC	CC	INTERGENIC		
SNP_76430B_4760	scaffold3489	NW_004518176.1	4760	AA	CC	CC	INTERGENIC		
SNP_76431B_4811	scaffold3489	NW_004518176.1	4811	CC	AA	AA	INTERGENIC		
SNP_76432B_4954	scaffold3489	NW_004518176.1	4954	AA	TT	TT	INTERGENIC		
SNP_76433B_634	scaffold3494	NW_004518180.1	634	TT	GG	GG	INTERGENIC		
SNP_76434B_1178	scaffold3497	NW_004518182.1	1178	TT	CC	CC	INTERGENIC		
SNP_76435B_10100	scaffold3497	NW_004518182.1	10100	AA	CC	CC	INTERGENIC		
SNP_76436B_13461	scaffold3497	NW_004518182.1	13461	TT	CC	CC	INTERGENIC		
SNP_76437B_13466	scaffold3497	NW_004518182.1	13466	CC	TT	TT	INTERGENIC		
SNP_76438B_13545	scaffold3497	NW_004518182.1	13545	AA	GG	GG	INTERGENIC		
SNP_76439B_13557	scaffold3497	NW_004518182.1	13557	AA	CC	CC	INTERGENIC		
SNP_76440B_13558	scaffold3497	NW_004518182.1	13558	AA	CC	CC	INTERGENIC		
SNP_76441B_13604	scaffold3497	NW_004518182.1	13604	TT	AA	AA	INTERGENIC		
SNP_76442B_13763	scaffold3497	NW_004518182.1	13763	AA	GG	GG	INTERGENIC		
SNP_76443B_13804	scaffold3497	NW_004518182.1	13804	GG	AA	AA	INTERGENIC		
SNP_76444B_1924	scaffold3498	NW_004518183.1	1924	AA	CC	CC	INTERGENIC		
SNP_76445B_6060	scaffold3500	NW_004518184.1	6060	AA	GG	GG	DRR	101490280	probable terpene synthase 2
SNP_76447B_6182	scaffold3500	NW_004518184.1	6182	TT	CC	CC	DRR	101490280	probable terpene synthase 2
SNP_76448B_111798	scaffold3500	NW_004518184.1	111798	GG	AA	AA	URR	101490920	sugar carrier protein C-like
SNP_76449B_367	scaffold3504	NW_004518188.1	367	GG	AA	AA	INTERGENIC		
SNP_76450B_414	scaffold3504	NW_004518188.1	414	TT	AA	AA	INTERGENIC		
SNP_76451B_436	scaffold3504	NW_004518188.1	436	CC	TT	TT	INTERGENIC		
SNP_76452B_1086	scaffold3512	NW_004518193.1	1086	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76453B_2448	scaffold3512	NW_004518193.1	2448	AA	GG	GG	INTERGENIC		
SNP_76455B_19561	scaffold3513	NW_004518194.1	19561	GG	AA	AA	INTERGENIC		
SNP_76456B_19585	scaffold3513	NW_004518194.1	19585	CC	GG	GG	INTERGENIC		
SNP_76457B_19615	scaffold3513	NW_004518194.1	19615	GG	AA	AA	INTERGENIC		
SNP_76458B_19760	scaffold3513	NW_004518194.1	19760	AA	GG	GG	INTERGENIC		
SNP_76459B_20108	scaffold3513	NW_004518194.1	20108	CC	GG	GG	INTERGENIC		
SNP_76460B_20674	scaffold3513	NW_004518194.1	20674	GG	AA	AA	INTERGENIC		
SNP_76461B_20681	scaffold3513	NW_004518194.1	20681	CC	TT	TT	INTERGENIC		
SNP_76462B_20685	scaffold3513	NW_004518194.1	20685	TT	AA	AA	INTERGENIC		
SNP_76463B_20687	scaffold3513	NW_004518194.1	20687	AA	GG	GG	INTERGENIC		
SNP_76464B_20744	scaffold3513	NW_004518194.1	20744	AA	GG	GG	INTERGENIC		
SNP_76465B_20847	scaffold3513	NW_004518194.1	20847	CC	TT	TT	INTERGENIC		
SNP_76466B_20977	scaffold3513	NW_004518194.1	20977	AA	GG	GG	INTERGENIC		
SNP_76467B_21056	scaffold3513	NW_004518194.1	21056	TT	GG	GG	INTERGENIC		
SNP_76468B_21153	scaffold3513	NW_004518194.1	21153	TT	CC	CC	INTERGENIC		
SNP_76469B_21155	scaffold3513	NW_004518194.1	21155	GG	AA	AA	INTERGENIC		
SNP_76470B_21173	scaffold3513	NW_004518194.1	21173	CC	GG	GG	INTERGENIC		
SNP_76471B_21540	scaffold3513	NW_004518194.1	21540	GG	CC	CC	INTERGENIC		
SNP_76472B_21545	scaffold3513	NW_004518194.1	21545	AA	CC	CC	INTERGENIC		
SNP_76473B_21671	scaffold3513	NW_004518194.1	21671	GG	TT	TT	INTERGENIC		
SNP_76474B_22029	scaffold3513	NW_004518194.1	22029	TT	GG	GG	INTERGENIC		
SNP_76475B_22054	scaffold3513	NW_004518194.1	22054	AA	GG	GG	INTERGENIC		
SNP_76476B_22058	scaffold3513	NW_004518194.1	22058	TT	CC	CC	INTERGENIC		
SNP_76477B_22490	scaffold3513	NW_004518194.1	22490	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76478B_22566	scaffold3513	NW_004518194.1	22566	AA	GG	GG	INTERGENIC		
SNP_76480B_13503	scaffold3514	NW_004518195.1	13503	CC	TT	TT	INTERGENIC		
SNP_76481B_40276	scaffold3514	NW_004518195.1	40276	CC	GG	GG	DRR	101492758	GDSL esterase/lipase At1g23500-like
SNP_76482B_40284	scaffold3514	NW_004518195.1	40284	AA	CC	CC	DRR	101492758	GDSL esterase/lipase At1g23500-like
SNP_76483B_40295	scaffold3514	NW_004518195.1	40295	GG	CC	CC	DRR	101492758	GDSL esterase/lipase At1g23500-like
SNP_76484B_40387	scaffold3514	NW_004518195.1	40387	TT	GG	GG	DRR	101492758	GDSL esterase/lipase At1g23500-like
SNP_76485B_40405	scaffold3514	NW_004518195.1	40405	TT	AA	AA	DRR	101492758	GDSL esterase/lipase At1g23500-like
SNP_76486B_40406	scaffold3514	NW_004518195.1	40406	TT	AA	AA	DRR	101492758	GDSL esterase/lipase At1g23500-like
SNP_76487B_40469	scaffold3514	NW_004518195.1	40469	AA	GG	GG	DRR	101492758	GDSL esterase/lipase At1g23500-like
SNP_76488B_40644	scaffold3514	NW_004518195.1	40644	AA	GG	GG	DRR	101492758	GDSL esterase/lipase At1g23500-like
SNP_76490B_41317	scaffold3514	NW_004518195.1	41317	GG	AA	AA	INTRON	101492758	GDSL esterase/lipase At1g23500-like
SNP_76491B_41337	scaffold3514	NW_004518195.1	41337	TT	GG	GG	INTRON	101492758	GDSL esterase/lipase At1g23500-like
SNP_76492B_47702	scaffold3514	NW_004518195.1	47702	GG	AA	AA	URR	101492758	GDSL esterase/lipase At1g23500-like
SNP_76493B_47732	scaffold3514	NW_004518195.1	47732	GG	AA	AA	URR	101492758	GDSL esterase/lipase At1g23500-like
SNP_76494B_47969	scaffold3514	NW_004518195.1	47969	CC	TT	TT	URR	101492758	GDSL esterase/lipase At1g23500-like
SNP_76495B_47992	scaffold3514	NW_004518195.1	47992	CC	TT	TT	URR	101492758	GDSL esterase/lipase At1g23500-like
SNP_76496B_48163	scaffold3514	NW_004518195.1	48163	AA	GG	GG	URR	101492758	GDSL esterase/lipase At1g23500-like
SNP_76497B_48342	scaffold3514	NW_004518195.1	48342	GG	AA	AA	URR	101492758	GDSL esterase/lipase At1g23500-like
SNP_76498B_48363	scaffold3514	NW_004518195.1	48363	CC	TT	TT	URR	101492758	GDSL esterase/lipase At1g23500-like
SNP_76499B_48454	scaffold3514	NW_004518195.1	48454	GG	TT	TT	URR	101492758	GDSL esterase/lipase At1g23500-like
SNP_76500B_48515	scaffold3514	NW_004518195.1	48515	GG	TT	TT	URR	101492758	GDSL esterase/lipase At1g23500-like
SNP_76501B_454	scaffold3516	NW_004518197.1	454	AA	GG	GG	DRR	101493422	uncharacterized LOC101493422
SNP_76502B_602	scaffold3517	NW_004518198.1	602	TT	CC	CC	INTERGENIC		
SNP_76503B_595	scaffold3520	NW_004518200.1	595	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76504B_837	scaffold3520	NW_004518200.1	837	AA	GG	GG	INTERGENIC		
SNP_76505B_1856	scaffold3520	NW_004518200.1	1856	AA	TT	TT	INTERGENIC		
SNP_76506B_3254	scaffold3520	NW_004518200.1	3254	AA	TT	TT	INTERGENIC		
SNP_76507B_4199	scaffold3520	NW_004518200.1	4199	TT	CC	CC	INTERGENIC		
SNP_76508B_4333	scaffold3520	NW_004518200.1	4333	AA	GG	GG	INTERGENIC		
SNP_76509B_4374	scaffold3520	NW_004518200.1	4374	AA	CC	CC	INTERGENIC		
SNP_76510B_4505	scaffold3520	NW_004518200.1	4505	GG	AA	AA	INTERGENIC		
SNP_76512B_5744	scaffold3520	NW_004518200.1	5744	AA	CC	CC	INTERGENIC		
SNP_76513B_5898	scaffold3520	NW_004518200.1	5898	CC	TT	TT	INTERGENIC		
SNP_76514B_6112	scaffold3520	NW_004518200.1	6112	GG	AA	AA	INTERGENIC		
SNP_76515B_6348	scaffold3520	NW_004518200.1	6348	AA	GG	GG	INTERGENIC		
SNP_76516B_7558	scaffold3520	NW_004518200.1	7558	CC	TT	TT	INTERGENIC		
SNP_76517B_7596	scaffold3520	NW_004518200.1	7596	GG	AA	AA	INTERGENIC		
SNP_76518B_729	scaffold3527	NW_004518206.1	729	AA	GG	GG	INTERGENIC		
SNP_76519B_804	scaffold3527	NW_004518206.1	804	GG	TT	TT	INTERGENIC		
SNP_76520B_989	scaffold3529	NW_004518208.1	989	TT	CC	CC	INTERGENIC		
SNP_76521B_2836	scaffold3529	NW_004518208.1	2836	AA	CC	CC	INTERGENIC		
SNP_76522B_2837	scaffold3529	NW_004518208.1	2837	TT	AA	AA	INTERGENIC		
SNP_76523B_2856	scaffold3529	NW_004518208.1	2856	CC	GG	GG	INTERGENIC		
SNP_76525B_18319	scaffold3529	NW_004518208.1	18319	GG	AA	AA	INTERGENIC		
SNP_76526B_18560	scaffold3529	NW_004518208.1	18560	AA	GG	GG	INTERGENIC		
SNP_76527B_18863	scaffold3529	NW_004518208.1	18863	AA	GG	GG	INTERGENIC		
SNP_76528B_20486	scaffold3529	NW_004518208.1	20486	TT	AA	AA	INTERGENIC		
SNP_76529B_20488	scaffold3529	NW_004518208.1	20488	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76530B_20637	scaffold3529	NW_004518208.1	20637	TT	AA	AA	INTERGENIC		
SNP_76531B_20742	scaffold3529	NW_004518208.1	20742	TT	GG	GG	INTERGENIC		
SNP_76532B_20777	scaffold3529	NW_004518208.1	20777	TT	CC	CC	INTERGENIC		
SNP_76533B_20779	scaffold3529	NW_004518208.1	20779	AA	GG	GG	INTERGENIC		
SNP_76534B_21145	scaffold3529	NW_004518208.1	21145	GG	AA	AA	INTERGENIC		
SNP_76535B_23328	scaffold3529	NW_004518208.1	23328	TT	AA	AA	INTERGENIC		
SNP_76536B_23428	scaffold3529	NW_004518208.1	23428	TT	CC	CC	INTERGENIC		
SNP_76537B_23445	scaffold3529	NW_004518208.1	23445	TT	GG	GG	INTERGENIC		
SNP_76538B_5431	scaffold3539	NW_004518216.1	5431	CC	TT	TT	INTERGENIC		
SNP_76540B_720	scaffold3542	NW_004518219.1	720	AA	TT	TT	INTERGENIC		
SNP_76541B_20862	scaffold3542	NW_004518219.1	20862	AA	GG	GG	URR	101494275	Unknown function
SNP_76542B_20887	scaffold3542	NW_004518219.1	20887	TT	CC	CC	URR	101494275	Unknown function
SNP_76543B_20968	scaffold3542	NW_004518219.1	20968	AA	GG	GG	URR	101494275	Unknown function
SNP_76544B_21000	scaffold3542	NW_004518219.1	21000	TT	CC	CC	URR	101494275	Unknown function
SNP_76545B_21086	scaffold3542	NW_004518219.1	21086	TT	CC	CC	URR	101494275	Unknown function
SNP_76546B_21087	scaffold3542	NW_004518219.1	21087	TT	CC	CC	URR	101494275	Unknown function
SNP_76547B_21093	scaffold3542	NW_004518219.1	21093	AA	GG	GG	URR	101494275	Unknown function
SNP_76548B_21124	scaffold3542	NW_004518219.1	21124	AA	CC	CC	URR	101494275	Unknown function
SNP_76549B_21353	scaffold3542	NW_004518219.1	21353	TT	CC	CC	DRR	101494585	Unknown function
SNP_76550B_21365	scaffold3542	NW_004518219.1	21365	TT	CC	CC	DRR	101494585	Unknown function
SNP_76551B_21420	scaffold3542	NW_004518219.1	21420	TT	CC	CC	DRR	101494585	Unknown function
SNP_76552B_21439	scaffold3542	NW_004518219.1	21439	TT	CC	CC	DRR	101494585	Unknown function
SNP_76553B_21453	scaffold3542	NW_004518219.1	21453	AA	GG	GG	DRR	101494585	Unknown function
SNP_76554B_21458	scaffold3542	NW_004518219.1	21458	TT	CC	CC	DRR	101494585	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76555B_21526	scaffold3542	NW_004518219.1	21526	AA	TT	TT	DRR	101494585	Unknown function
SNP_76556B_21541	scaffold3542	NW_004518219.1	21541	AA	CC	CC	DRR	101494585	Unknown function
SNP_76557B_21563	scaffold3542	NW_004518219.1	21563	AA	TT	TT	DRR	101494585	Unknown function
SNP_76558B_21565	scaffold3542	NW_004518219.1	21565	GG	TT	TT	DRR	101494585	Unknown function
SNP_76559B_21588	scaffold3542	NW_004518219.1	21588	CC	GG	GG	DRR	101494585	Unknown function
SNP_76560B_21609	scaffold3542	NW_004518219.1	21609	AA	TT	TT	DRR	101494585	Unknown function
SNP_76561B_21634	scaffold3542	NW_004518219.1	21634	GG	AA	AA	DRR	101494585	Unknown function
SNP_76562B_21699	scaffold3542	NW_004518219.1	21699	CC	AA	AA	DRR	101494585	Unknown function
SNP_76563B_21716	scaffold3542	NW_004518219.1	21716	GG	AA	AA	DRR	101494585	Unknown function
SNP_76564B_21748	scaffold3542	NW_004518219.1	21748	AA	GG	GG	DRR	101494585	Unknown function
SNP_76565B_21802	scaffold3542	NW_004518219.1	21802	GG	AA	AA	DRR	101494585	Unknown function
SNP_76566B_21840	scaffold3542	NW_004518219.1	21840	GG	AA	AA	DRR	101494585	Unknown function
SNP_76567B_21872	scaffold3542	NW_004518219.1	21872	TT	AA	AA	DRR	101494585	Unknown function
SNP_76568B_21932	scaffold3542	NW_004518219.1	21932	GG	TT	TT	DRR	101494585	Unknown function
SNP_76569B_22048	scaffold3542	NW_004518219.1	22048	GG	TT	TT	DRR	101494585	Unknown function
SNP_76570B_22086	scaffold3542	NW_004518219.1	22086	TT	CC	CC	DRR	101494585	Unknown function
SNP_76571B_24752	scaffold3542	NW_004518219.1	24752	GG	AA	AA	DRR	101496534	Unknown function
SNP_76572B_24758	scaffold3542	NW_004518219.1	24758	TT	CC	CC	DRR	101496534	Unknown function
SNP_76573B_24827	scaffold3542	NW_004518219.1	24827	TT	CC	CC	DRR	101496534	Unknown function
SNP_76574B_24874	scaffold3542	NW_004518219.1	24874	AA	CC	CC	DRR	101496534	Unknown function
SNP_76575B_24875	scaffold3542	NW_004518219.1	24875	AA	GG	GG	DRR	101496534	Unknown function
SNP_76576B_24882	scaffold3542	NW_004518219.1	24882	TT	CC	CC	DRR	101496534	Unknown function
SNP_76577B_24941	scaffold3542	NW_004518219.1	24941	TT	CC	CC	DRR	101496534	Unknown function
SNP_76578B_24992	scaffold3542	NW_004518219.1	24992	GG	CC	CC	DRR	101496534	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76581B_33932	scaffold3542	NW_004518219.1	33932	CC	GG	GG	URR	101495226	ribosomal protein S18
SNP_76582B_33954	scaffold3542	NW_004518219.1	33954	TT	CC	CC	URR	101495226	ribosomal protein S18
SNP_76583B_33956	scaffold3542	NW_004518219.1	33956	TT	CC	CC	URR	101495226	ribosomal protein S18
SNP_76584B_34058	scaffold3542	NW_004518219.1	34058	AA	CC	CC	URR	101495226	ribosomal protein S18
SNP_76585B_34060	scaffold3542	NW_004518219.1	34060	TT	GG	GG	URR	101495226	ribosomal protein S18
SNP_76586B_34061	scaffold3542	NW_004518219.1	34061	AA	GG	GG	URR	101495226	ribosomal protein S18
SNP_76587B_34064	scaffold3542	NW_004518219.1	34064	AA	GG	GG	URR	101495226	ribosomal protein S18
SNP_76588B_34079	scaffold3542	NW_004518219.1	34079	TT	AA	AA	URR	101495226	ribosomal protein S18
SNP_76589B_34225	scaffold3542	NW_004518219.1	34225	GG	TT	TT	URR	101495226	ribosomal protein S18
SNP_76590B_34245	scaffold3542	NW_004518219.1	34245	TT	CC	CC	URR	101495226	ribosomal protein S18
SNP_76591B_34248	scaffold3542	NW_004518219.1	34248	AA	TT	TT	URR	101495226	ribosomal protein S18
SNP_76592B_34278	scaffold3542	NW_004518219.1	34278	CC	AA	AA	URR	101495226	ribosomal protein S18
SNP_76593B_34334	scaffold3542	NW_004518219.1	34334	TT	GG	GG	URR	101495226	ribosomal protein S18
SNP_76594B_34337	scaffold3542	NW_004518219.1	34337	AA	GG	GG	URR	101495226	ribosomal protein S18
SNP_76595B_34501	scaffold3542	NW_004518219.1	34501	AA	TT	TT	URR	101495545	Unknown function
SNP_76596B_34523	scaffold3542	NW_004518219.1	34523	TT	GG	GG	URR	101495545	Unknown function
SNP_76597B_34619	scaffold3542	NW_004518219.1	34619	GG	TT	TT	URR	101495545	Unknown function
SNP_76598B_34628	scaffold3542	NW_004518219.1	34628	TT	CC	CC	URR	101495545	Unknown function
SNP_76599B_34683	scaffold3542	NW_004518219.1	34683	AA	CC	CC	URR	101495545	Unknown function
SNP_76600B_34695	scaffold3542	NW_004518219.1	34695	AA	TT	TT	URR	101495545	Unknown function
SNP_76601B_34700	scaffold3542	NW_004518219.1	34700	TT	CC	CC	URR	101495545	Unknown function
SNP_76602B_199	scaffold3545	NW_004518222.1	199	TT	AA	AA	INTERGENIC		
SNP_76603B_367	scaffold3545	NW_004518222.1	367	TT	CC	CC	INTERGENIC		
SNP_76604B_349	scaffold3549	NW_004518225.1	349	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76605B_851	scaffold3549	NW_004518225.1	851	TT	AA	AA	INTERGENIC		
SNP_76606B_469	scaffold3555	NW_004518228.1	469	AA	GG	GG	INTERGENIC		
SNP_76607B_549	scaffold3555	NW_004518228.1	549	AA	GG	GG	INTERGENIC		
SNP_76608B_743	scaffold3555	NW_004518228.1	743	TT	GG	GG	INTERGENIC		
SNP_76609B_979	scaffold3555	NW_004518228.1	979	GG	AA	AA	INTERGENIC		
SNP_76610B_324	scaffold3562	NW_004518232.1	324	GG	CC	CC	INTERGENIC		
SNP_76612B_983	scaffold3565	NW_004518235.1	983	TT	CC	CC	INTERGENIC		
SNP_76613B_994	scaffold3565	NW_004518235.1	994	AA	CC	CC	INTERGENIC		
SNP_76615B_1029	scaffold3565	NW_004518235.1	1029	TT	CC	CC	INTERGENIC		
SNP_76616B_121	scaffold3585	NW_004518247.1	121	TT	CC	CC	INTERGENIC		
SNP_76617B_136	scaffold3585	NW_004518247.1	136	TT	GG	GG	INTERGENIC		
SNP_76618B_156	scaffold3585	NW_004518247.1	156	TT	AA	AA	INTERGENIC		
SNP_76619B_5459	scaffold3588	NW_004518249.1	5459	TT	CC	CC	INTERGENIC		
SNP_76620B_236	scaffold3589	NW_004518250.1	236	AA	GG	GG	INTERGENIC		
SNP_76621B_317	scaffold3589	NW_004518250.1	317	GG	AA	AA	INTERGENIC		
SNP_76622B_498	scaffold3589	NW_004518250.1	498	TT	CC	CC	INTERGENIC		
SNP_76623B_505	scaffold3589	NW_004518250.1	505	AA	GG	GG	INTERGENIC		
SNP_76624B_579	scaffold3589	NW_004518250.1	579	CC	TT	TT	INTERGENIC		
SNP_76625B_937	scaffold3589	NW_004518250.1	937	AA	CC	CC	INTERGENIC		
SNP_76626B_12628	scaffold3593	NW_004518252.1	12628	AA	GG	GG	INTERGENIC		
SNP_76627B_14607	scaffold3593	NW_004518252.1	14607	CC	TT	TT	INTERGENIC		
SNP_76628B_14867	scaffold3593	NW_004518252.1	14867	CC	AA	AA	INTERGENIC		
SNP_76629B_644	scaffold3594	NW_004518253.1	644	AA	TT	TT	INTERGENIC		
SNP_76630B_773	scaffold3594	NW_004518253.1	773	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76631B_776	scaffold3594	NW_004518253.1	776	TT	GG	GG	INTERGENIC		
SNP_76632B_779	scaffold3594	NW_004518253.1	779	AA	GG	GG	INTERGENIC		
SNP_76633B_809	scaffold3594	NW_004518253.1	809	GG	AA	AA	INTERGENIC		
SNP_76634B_815	scaffold3594	NW_004518253.1	815	AA	GG	GG	INTERGENIC		
SNP_76635B_868	scaffold3594	NW_004518253.1	868	AA	CC	CC	INTERGENIC		
SNP_76636B_870	scaffold3594	NW_004518253.1	870	AA	GG	GG	INTERGENIC		
SNP_76637B_931	scaffold3594	NW_004518253.1	931	AA	CC	CC	INTERGENIC		
SNP_76639B_1332	scaffold3594	NW_004518253.1	1332	CC	GG	GG	INTERGENIC		
SNP_76640B_1638	scaffold3594	NW_004518253.1	1638	CC	TT	TT	INTERGENIC		
SNP_76641B_1822	scaffold3594	NW_004518253.1	1822	TT	AA	AA	INTERGENIC		
SNP_76642B_6305	scaffold3594	NW_004518253.1	6305	TT	CC	CC	INTERGENIC		
SNP_76643B_7787	scaffold3594	NW_004518253.1	7787	CC	AA	AA	INTERGENIC		
SNP_76644B_137	scaffold3596	NW_004518254.1	137	AA	GG	GG	INTERGENIC		
SNP_76645B_538	scaffold3596	NW_004518254.1	538	AA	GG	GG	INTERGENIC		
SNP_76646B_1430	scaffold3596	NW_004518254.1	1430	AA	GG	GG	INTERGENIC		
SNP_76647B_1522	scaffold3596	NW_004518254.1	1522	TT	GG	GG	INTERGENIC		
SNP_76648B_1559	scaffold3596	NW_004518254.1	1559	TT	CC	CC	INTERGENIC		
SNP_76649B_1739	scaffold3596	NW_004518254.1	1739	AA	GG	GG	INTERGENIC		
SNP_76650B_1882	scaffold3596	NW_004518254.1	1882	GG	AA	AA	INTERGENIC		
SNP_76651B_2260	scaffold3596	NW_004518254.1	2260	TT	AA	AA	INTERGENIC		
SNP_76652B_2399	scaffold3596	NW_004518254.1	2399	GG	AA	AA	INTERGENIC		
SNP_76653B_2584	scaffold3596	NW_004518254.1	2584	AA	TT	TT	INTERGENIC		
SNP_76654B_2642	scaffold3596	NW_004518254.1	2642	CC	TT	TT	INTERGENIC		
SNP_76655B_2914	scaffold3596	NW_004518254.1	2914	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76656B_2923	scaffold3596	NW_004518254.1	2923	CC	TT	TT	INTERGENIC		
SNP_76657B_517	scaffold3600	NW_004518258.1	517	GG	AA	AA	INTERGENIC		
SNP_76658B_620	scaffold3600	NW_004518258.1	620	TT	GG	GG	INTERGENIC		
SNP_76659B_631	scaffold3600	NW_004518258.1	631	CC	TT	TT	INTERGENIC		
SNP_76660B_813	scaffold3600	NW_004518258.1	813	TT	CC	CC	INTERGENIC		
SNP_76661B_821	scaffold3600	NW_004518258.1	821	AA	CC	CC	INTERGENIC		
SNP_76662B_885	scaffold3600	NW_004518258.1	885	TT	GG	GG	INTERGENIC		
SNP_76663B_930	scaffold3600	NW_004518258.1	930	TT	GG	GG	INTERGENIC		
SNP_76664B_968	scaffold3600	NW_004518258.1	968	AA	TT	TT	INTERGENIC		
SNP_76665B_1114	scaffold3600	NW_004518258.1	1114	AA	GG	GG	INTERGENIC		
SNP_76666B_1116	scaffold3600	NW_004518258.1	1116	CC	TT	TT	INTERGENIC		
SNP_76667B_1143	scaffold3600	NW_004518258.1	1143	AA	GG	GG	INTERGENIC		
SNP_76668B_1203	scaffold3600	NW_004518258.1	1203	AA	CC	CC	INTERGENIC		
SNP_76670B_3647	scaffold3600	NW_004518258.1	3647	AA	GG	GG	INTERGENIC		
SNP_76671B_3747	scaffold3600	NW_004518258.1	3747	GG	AA	AA	INTERGENIC		
SNP_76672B_3927	scaffold3600	NW_004518258.1	3927	AA	GG	GG	INTERGENIC		
SNP_76673B_3964	scaffold3600	NW_004518258.1	3964	GG	CC	CC	INTERGENIC		
SNP_76674B_4185	scaffold3600	NW_004518258.1	4185	TT	CC	CC	INTERGENIC		
SNP_76675B_1983	scaffold3602	NW_004518260.1	1983	CC	TT	TT	INTERGENIC		
SNP_76676B_2012	scaffold3602	NW_004518260.1	2012	AA	GG	GG	INTERGENIC		
SNP_76677B_2026	scaffold3602	NW_004518260.1	2026	GG	TT	TT	INTERGENIC		
SNP_76678B_1038	scaffold3604	NW_004518262.1	1038	TT	AA	AA	INTERGENIC		
SNP_76679B_204	scaffold3615	NW_004518271.1	204	CC	TT	TT	INTERGENIC		
SNP_76680B_242	scaffold3615	NW_004518271.1	242	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76681B_724	scaffold3615	NW_004518271.1	724	AA	TT	TT	INTERGENIC		
SNP_76682B_318	scaffold3616	NW_004518272.1	318	TT	CC	CC	INTERGENIC		
SNP_76683B_504	scaffold3616	NW_004518272.1	504	AA	GG	GG	INTERGENIC		
SNP_76684B_379	scaffold3628	NW_004518282.1	379	TT	CC	CC	INTERGENIC		
SNP_76685B_931	scaffold3628	NW_004518282.1	931	TT	CC	CC	INTERGENIC		
SNP_76686B_935	scaffold3628	NW_004518282.1	935	AA	TT	TT	INTERGENIC		
SNP_76687B_956	scaffold3628	NW_004518282.1	956	CC	TT	TT	INTERGENIC		
SNP_76688B_1066	scaffold3628	NW_004518282.1	1066	CC	GG	GG	INTERGENIC		
SNP_76689B_1105	scaffold3628	NW_004518282.1	1105	AA	GG	GG	INTERGENIC		
SNP_76690B_1199	scaffold3628	NW_004518282.1	1199	TT	CC	CC	INTERGENIC		
SNP_76691B_1974	scaffold3628	NW_004518282.1	1974	TT	CC	CC	INTERGENIC		
SNP_76692B_1975	scaffold3628	NW_004518282.1	1975	AA	TT	TT	INTERGENIC		
SNP_76693B_2169	scaffold3628	NW_004518282.1	2169	TT	AA	AA	INTERGENIC		
SNP_76694B_2251	scaffold3628	NW_004518282.1	2251	CC	TT	TT	INTERGENIC		
SNP_76695B_4405	scaffold3628	NW_004518282.1	4405	TT	AA	AA	INTERGENIC		
SNP_76696B_8650	scaffold3631	NW_004518283.1	8650	TT	AA	AA	INTERGENIC		
SNP_76697B_8953	scaffold3631	NW_004518283.1	8953	AA	TT	TT	INTERGENIC		
SNP_76698B_9540	scaffold3631	NW_004518283.1	9540	AA	TT	TT	INTERGENIC		
SNP_76699B_9611	scaffold3631	NW_004518283.1	9611	AA	CC	CC	INTERGENIC		
SNP_76700B_9626	scaffold3631	NW_004518283.1	9626	TT	AA	AA	INTERGENIC		
SNP_76701B_11589	scaffold3631	NW_004518283.1	11589	AA	GG	GG	INTERGENIC		
SNP_76702B_11732	scaffold3631	NW_004518283.1	11732	GG	AA	AA	INTERGENIC		
SNP_76703B_11792	scaffold3631	NW_004518283.1	11792	CC	TT	TT	INTERGENIC		
SNP_76704B_13283	scaffold3631	NW_004518283.1	13283	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76705B_13350	scaffold3631	NW_004518283.1	13350	AA	GG	GG	INTERGENIC		
SNP_76706B_64	scaffold3632	NW_004518284.1	64	AA	CC	CC	INTERGENIC		
SNP_76707B_67	scaffold3632	NW_004518284.1	67	TT	CC	CC	INTERGENIC		
SNP_76708B_252	scaffold3632	NW_004518284.1	252	TT	AA	AA	INTERGENIC		
SNP_76711B_1100	scaffold3643	NW_004518289.1	1100	GG	AA	AA	INTERGENIC		
SNP_76712B_1140	scaffold3643	NW_004518289.1	1140	GG	AA	AA	INTERGENIC		
SNP_76713B_1207	scaffold3643	NW_004518289.1	1207	AA	TT	TT	INTERGENIC		
SNP_76714B_1456	scaffold3643	NW_004518289.1	1456	GG	CC	CC	INTERGENIC		
SNP_76715B_1473	scaffold3643	NW_004518289.1	1473	TT	CC	CC	INTERGENIC		
SNP_76716B_22120	scaffold3643	NW_004518289.1	22120	GG	CC	CC	INTERGENIC		
SNP_76717B_22476	scaffold3643	NW_004518289.1	22476	CC	TT	TT	INTERGENIC		
SNP_76718B_22979	scaffold3643	NW_004518289.1	22979	GG	AA	AA	INTERGENIC		
SNP_76719B_24126	scaffold3643	NW_004518289.1	24126	GG	TT	TT	INTERGENIC		
SNP_76720B_764	scaffold3644	NW_004518290.1	764	GG	AA	AA	INTERGENIC		
SNP_76721B_774	scaffold3644	NW_004518290.1	774	GG	AA	AA	INTERGENIC		
SNP_76722B_776	scaffold3644	NW_004518290.1	776	CC	TT	TT	INTERGENIC		
SNP_76723B_879	scaffold3644	NW_004518290.1	879	GG	AA	AA	INTERGENIC		
SNP_76724B_988	scaffold3644	NW_004518290.1	988	GG	CC	CC	INTERGENIC		
SNP_76725B_1031	scaffold3644	NW_004518290.1	1031	TT	AA	AA	INTERGENIC		
SNP_76726B_1065	scaffold3644	NW_004518290.1	1065	TT	AA	AA	INTERGENIC		
SNP_76727B_1225	scaffold3644	NW_004518290.1	1225	CC	GG	GG	INTERGENIC		
SNP_76728B_1226	scaffold3644	NW_004518290.1	1226	CC	TT	TT	INTERGENIC		
SNP_76729B_1318	scaffold3644	NW_004518290.1	1318	GG	CC	CC	INTERGENIC		
SNP_76730B_1323	scaffold3644	NW_004518290.1	1323	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76731B_1408	scaffold3644	NW_004518290.1	1408	GG	CC	CC	INTERGENIC		
SNP_76732B_1551	scaffold3644	NW_004518290.1	1551	GG	TT	TT	INTERGENIC		
SNP_76733B_1978	scaffold3644	NW_004518290.1	1978	CC	AA	AA	INTERGENIC		
SNP_76734B_1983	scaffold3644	NW_004518290.1	1983	TT	CC	CC	INTERGENIC		
SNP_76735B_2004	scaffold3644	NW_004518290.1	2004	AA	CC	CC	INTERGENIC		
SNP_76736B_2020	scaffold3644	NW_004518290.1	2020	AA	TT	TT	INTERGENIC		
SNP_76737B_2062	scaffold3644	NW_004518290.1	2062	AA	CC	CC	INTERGENIC		
SNP_76738B_2069	scaffold3644	NW_004518290.1	2069	TT	CC	CC	INTERGENIC		
SNP_76739B_2149	scaffold3644	NW_004518290.1	2149	GG	TT	TT	INTERGENIC		
SNP_76740B_2193	scaffold3644	NW_004518290.1	2193	GG	TT	TT	INTERGENIC		
SNP_76741B_2492	scaffold3644	NW_004518290.1	2492	AA	TT	TT	INTERGENIC		
SNP_76742B_2572	scaffold3644	NW_004518290.1	2572	CC	TT	TT	INTERGENIC		
SNP_76743B_2597	scaffold3644	NW_004518290.1	2597	TT	CC	CC	INTERGENIC		
SNP_76744B_2604	scaffold3644	NW_004518290.1	2604	GG	TT	AA	INTERGENIC		
SNP_76745B_367	scaffold3645	NW_004518291.1	367	CC	AA	AA	INTERGENIC		
SNP_76746B_392	scaffold3645	NW_004518291.1	392	AA	GG	GG	INTERGENIC		
SNP_76747B_401	scaffold3645	NW_004518291.1	401	GG	AA	AA	INTERGENIC		
SNP_76748B_403	scaffold3645	NW_004518291.1	403	AA	CC	CC	INTERGENIC		
SNP_76749B_7607	scaffold3645	NW_004518291.1	7607	CC	TT	TT	INTERGENIC		
SNP_76750B_6136	scaffold3651	NW_004518292.1	6136	CC	TT	TT	INTERGENIC		
SNP_76751B_6238	scaffold3651	NW_004518292.1	6238	GG	TT	TT	INTERGENIC		
SNP_76752B_6262	scaffold3651	NW_004518292.1	6262	TT	AA	AA	INTERGENIC		
SNP_76753B_6310	scaffold3651	NW_004518292.1	6310	CC	TT	TT	INTERGENIC		
SNP_76754B_6624	scaffold3651	NW_004518292.1	6624	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76755B_6663	scaffold3651	NW_004518292.1	6663	TT	CC	CC	INTERGENIC		
SNP_76756B_6749	scaffold3651	NW_004518292.1	6749	TT	CC	CC	INTERGENIC		
SNP_76757B_6750	scaffold3651	NW_004518292.1	6750	TT	CC	CC	INTERGENIC		
SNP_76758B_532	scaffold3657	NW_004518298.1	532	AA	TT	TT	INTERGENIC		
SNP_76760B_1964	scaffold3658	NW_004518299.1	1964	CC	AA	AA	INTERGENIC		
SNP_76761B_2649	scaffold3658	NW_004518299.1	2649	CC	TT	TT	INTERGENIC		
SNP_76762B_1381	scaffold3659	NW_004518300.1	1381	AA	TT	TT	INTERGENIC		
SNP_76763B_1414	scaffold3659	NW_004518300.1	1414	CC	TT	TT	INTERGENIC		
SNP_76765B_1768	scaffold3659	NW_004518300.1	1768	AA	GG	GG	INTERGENIC		
SNP_76767B_6777	scaffold3659	NW_004518300.1	6777	AA	GG	GG	INTERGENIC		
SNP_76768B_6924	scaffold3659	NW_004518300.1	6924	GG	AA	AA	INTERGENIC		
SNP_76769B_6938	scaffold3659	NW_004518300.1	6938	TT	GG	GG	INTERGENIC		
SNP_76770B_6953	scaffold3659	NW_004518300.1	6953	CC	TT	TT	INTERGENIC		
SNP_76771B_7146	scaffold3659	NW_004518300.1	7146	CC	TT	TT	INTERGENIC		
SNP_76772B_7350	scaffold3659	NW_004518300.1	7350	TT	GG	GG	INTERGENIC		
SNP_76773B_7385	scaffold3659	NW_004518300.1	7385	GG	AA	AA	INTERGENIC		
SNP_76774B_7453	scaffold3659	NW_004518300.1	7453	TT	AA	AA	INTERGENIC		
SNP_76775B_7644	scaffold3659	NW_004518300.1	7644	TT	AA	AA	INTERGENIC		
SNP_76776B_7675	scaffold3659	NW_004518300.1	7675	GG	CC	CC	INTERGENIC		
SNP_76777B_7693	scaffold3659	NW_004518300.1	7693	CC	AA	AA	INTERGENIC		
SNP_76778B_478	scaffold3660	NW_004518301.1	478	CC	TT	TT	INTERGENIC		
SNP_76779B_479	scaffold3660	NW_004518301.1	479	CC	AA	AA	INTERGENIC		
SNP_76780B_481	scaffold3660	NW_004518301.1	481	AA	CC	CC	INTERGENIC		
SNP_76781B_589	scaffold3660	NW_004518301.1	589	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76782B_631	scaffold3660	NW_004518301.1	631	TT	CC	CC	INTERGENIC		
SNP_76783B_723	scaffold3660	NW_004518301.1	723	GG	AA	AA	INTERGENIC		
SNP_76784B_912	scaffold3660	NW_004518301.1	912	AA	GG	GG	INTERGENIC		
SNP_76785B_962	scaffold3660	NW_004518301.1	962	TT	CC	CC	INTERGENIC		
SNP_76786B_967	scaffold3660	NW_004518301.1	967	TT	CC	CC	INTERGENIC		
SNP_76787B_1017	scaffold3660	NW_004518301.1	1017	TT	CC	CC	INTERGENIC		
SNP_76788B_1039	scaffold3660	NW_004518301.1	1039	CC	GG	GG	INTERGENIC		
SNP_76789B_3946	scaffold3663	NW_004518304.1	3946	TT	AA	AA	INTERGENIC		
SNP_76791B_4144	scaffold3663	NW_004518304.1	4144	TT	AA	AA	INTERGENIC		
SNP_76792B_4238	scaffold3663	NW_004518304.1	4238	TT	AA	AA	INTERGENIC		
SNP_76793B_4345	scaffold3663	NW_004518304.1	4345	TT	GG	GG	INTERGENIC		
SNP_76794B_4421	scaffold3663	NW_004518304.1	4421	AA	TT	TT	INTERGENIC		
SNP_76796B_4450	scaffold3663	NW_004518304.1	4450	TT	AA	AA	INTERGENIC		
SNP_76797B_4509	scaffold3663	NW_004518304.1	4509	AA	TT	TT	INTERGENIC		
SNP_76798B_9038	scaffold3663	NW_004518304.1	9038	CC	TT	TT	INTERGENIC		
SNP_76799B_13952	scaffold3663	NW_004518304.1	13952	TT	GG	GG	INTERGENIC		
SNP_76800B_3642	scaffold3664	NW_004518305.1	3642	TT	AA	AA	INTERGENIC		
SNP_76801B_3716	scaffold3664	NW_004518305.1	3716	GG	AA	AA	INTERGENIC		
SNP_76802B_274	scaffold3665	NW_004518306.1	274	CC	GG	GG	INTERGENIC		
SNP_76803B_1024	scaffold3666	NW_004518307.1	1024	AA	GG	GG	INTERGENIC		
SNP_76804B_2489	scaffold3666	NW_004518307.1	2489	AA	GG	GG	INTERGENIC		
SNP_76805B_2620	scaffold3666	NW_004518307.1	2620	CC	TT	TT	INTERGENIC		
SNP_76806B_6281	scaffold3666	NW_004518307.1	6281	CC	TT	TT	INTERGENIC		
SNP_76807B_6332	scaffold3666	NW_004518307.1	6332	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76808B_1116	scaffold3668	NW_004518308.1	1116	CC	GG	GG	INTERGENIC		
SNP_76810B_784	scaffold3675	NW_004518314.1	784	AA	TT	TT	INTERGENIC		
SNP_76811B_788	scaffold3675	NW_004518314.1	788	AA	GG	GG	INTERGENIC		
SNP_76812B_107	scaffold3676	NW_004518315.1	107	GG	AA	AA	INTERGENIC		
SNP_76813B_558	scaffold3676	NW_004518315.1	558	GG	AA	AA	INTERGENIC		
SNP_76814B_602	scaffold3676	NW_004518315.1	602	GG	AA	AA	INTERGENIC		
SNP_76815B_4111	scaffold3676	NW_004518315.1	4111	AA	CC	CC	INTERGENIC		
SNP_76816B_4219	scaffold3676	NW_004518315.1	4219	CC	GG	GG	INTERGENIC		
SNP_76817B_4718	scaffold3676	NW_004518315.1	4718	AA	GG	GG	INTERGENIC		
SNP_76818B_4826	scaffold3676	NW_004518315.1	4826	GG	AA	AA	INTERGENIC		
SNP_76819B_4915	scaffold3676	NW_004518315.1	4915	TT	AA	AA	INTERGENIC		
SNP_76820B_5071	scaffold3676	NW_004518315.1	5071	CC	TT	TT	INTERGENIC		
SNP_76821B_5183	scaffold3676	NW_004518315.1	5183	GG	CC	CC	INTERGENIC		
SNP_76822B_5217	scaffold3676	NW_004518315.1	5217	AA	TT	TT	INTERGENIC		
SNP_76823B_5243	scaffold3676	NW_004518315.1	5243	GG	TT	TT	INTERGENIC		
SNP_76824B_5443	scaffold3676	NW_004518315.1	5443	AA	GG	GG	INTERGENIC		
SNP_76825B_8038	scaffold3676	NW_004518315.1	8038	GG	TT	TT	INTERGENIC		
SNP_76826B_8057	scaffold3676	NW_004518315.1	8057	AA	TT	TT	INTERGENIC		
SNP_76827B_8234	scaffold3676	NW_004518315.1	8234	TT	AA	AA	INTERGENIC		
SNP_76828B_8263	scaffold3676	NW_004518315.1	8263	TT	CC	CC	INTERGENIC		
SNP_76829B_9688	scaffold3676	NW_004518315.1	9688	CC	AA	AA	INTERGENIC		
SNP_76830B_9692	scaffold3676	NW_004518315.1	9692	TT	AA	AA	INTERGENIC		
SNP_76831B_12722	scaffold3676	NW_004518315.1	12722	GG	TT	TT	INTERGENIC		
SNP_76832B_12787	scaffold3676	NW_004518315.1	12787	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76834B_13043	scaffold3676	NW_004518315.1	13043	CC	AA	AA	INTERGENIC		
SNP_76835B_13087	scaffold3676	NW_004518315.1	13087	AA	GG	GG	INTERGENIC		
SNP_76836B_13171	scaffold3676	NW_004518315.1	13171	GG	CC	CC	INTERGENIC		
SNP_76837B_277	scaffold3681	NW_004518318.1	277	CC	TT	TT	INTERGENIC		
SNP_76838B_520	scaffold3681	NW_004518318.1	520	AA	CC	CC	INTERGENIC		
SNP_76839B_627	scaffold3681	NW_004518318.1	627	TT	CC	CC	INTERGENIC		
SNP_76840B_651	scaffold3681	NW_004518318.1	651	TT	CC	CC	INTERGENIC		
SNP_76841B_441	scaffold3685	NW_004518322.1	441	AA	GG	GG	INTERGENIC		
SNP_76842B_516	scaffold3685	NW_004518322.1	516	GG	CC	CC	INTERGENIC		
SNP_76843B_523	scaffold3685	NW_004518322.1	523	CC	GG	GG	INTERGENIC		
SNP_76844B_570	scaffold3685	NW_004518322.1	570	TT	CC	CC	INTERGENIC		
SNP_76845B_571	scaffold3685	NW_004518322.1	571	AA	CC	CC	INTERGENIC		
SNP_76846B_573	scaffold3685	NW_004518322.1	573	AA	GG	GG	INTERGENIC		
SNP_76847B_847	scaffold3685	NW_004518322.1	847	AA	GG	GG	INTERGENIC		
SNP_76848B_856	scaffold3685	NW_004518322.1	856	CC	GG	GG	INTERGENIC		
SNP_76849B_65449	scaffold3687	NW_004518323.1	65449	GG	TT	TT	INTERGENIC		
SNP_76850B_65879	scaffold3687	NW_004518323.1	65879	AA	GG	GG	INTERGENIC		
SNP_76851B_69267	scaffold3687	NW_004518323.1	69267	CC	TT	TT	INTERGENIC		
SNP_76853B_84632	scaffold3687	NW_004518323.1	84632	TT	CC	CC	INTERGENIC		
SNP_76854B_105910	scaffold3687	NW_004518323.1	105910	CC	AA	AA	INTERGENIC		
SNP_76855B_119420	scaffold3687	NW_004518323.1	119420	AA	CC	CC	INTERGENIC		
SNP_76856B_131646	scaffold3687	NW_004518323.1	131646	TT	CC	CC	INTERGENIC		
SNP_76857B_132037	scaffold3687	NW_004518323.1	132037	GG	AA	AA	INTERGENIC		
SNP_76858B_132043	scaffold3687	NW_004518323.1	132043	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76859B_132048	scaffold3687	NW_004518323.1	132048	CC	AA	AA	INTERGENIC		
SNP_76860B_132100	scaffold3687	NW_004518323.1	132100	TT	CC	CC	INTERGENIC		
SNP_76862B_132136	scaffold3687	NW_004518323.1	132136	CC	TT	TT	INTERGENIC		
SNP_76863B_132283	scaffold3687	NW_004518323.1	132283	TT	CC	CC	INTERGENIC		
SNP_76864B_140695	scaffold3687	NW_004518323.1	140695	TT	GG	GG	INTERGENIC		
SNP_76865B_140752	scaffold3687	NW_004518323.1	140752	TT	CC	CC	INTERGENIC		
SNP_76866B_140756	scaffold3687	NW_004518323.1	140756	CC	TT	TT	INTERGENIC		
SNP_76867B_140799	scaffold3687	NW_004518323.1	140799	GG	AA	AA	INTERGENIC		
SNP_76868B_140806	scaffold3687	NW_004518323.1	140806	TT	CC	CC	INTERGENIC		
SNP_76869B_140922	scaffold3687	NW_004518323.1	140922	CC	AA	AA	INTERGENIC		
SNP_76870B_443	scaffold3689	NW_004518325.1	443	TT	AA	AA	INTERGENIC		
SNP_76871B_456	scaffold3689	NW_004518325.1	456	GG	TT	TT	INTERGENIC		
SNP_76872B_635	scaffold3689	NW_004518325.1	635	AA	GG	GG	INTERGENIC		
SNP_76873B_15592	scaffold3689	NW_004518325.1	15592	GG	CC	CC	INTERGENIC		
SNP_76874B_15659	scaffold3689	NW_004518325.1	15659	CC	AA	AA	INTERGENIC		
SNP_76875B_15787	scaffold3689	NW_004518325.1	15787	CC	TT	TT	INTERGENIC		
SNP_76876B_16055	scaffold3689	NW_004518325.1	16055	GG	AA	AA	INTERGENIC		
SNP_76877B_16103	scaffold3689	NW_004518325.1	16103	TT	CC	CC	INTERGENIC		
SNP_76878B_16157	scaffold3689	NW_004518325.1	16157	CC	GG	GG	INTERGENIC		
SNP_76880B_16351	scaffold3689	NW_004518325.1	16351	GG	AA	AA	INTERGENIC		
SNP_76881B_817	scaffold3693	NW_004518329.1	817	CC	TT	TT	INTERGENIC		
SNP_76882B_1000	scaffold3693	NW_004518329.1	1000	CC	TT	TT	INTERGENIC		
SNP_76883B_1037	scaffold3693	NW_004518329.1	1037	TT	CC	CC	INTERGENIC		
SNP_76884B_1069	scaffold3693	NW_004518329.1	1069	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76885B_1076	scaffold3693	NW_004518329.1	1076	AA	GG	GG	INTERGENIC		
SNP_76886B_20673	scaffold3693	NW_004518329.1	20673	TT	CC	CC	INTERGENIC		
SNP_76887B_35159	scaffold3693	NW_004518329.1	35159	AA	GG	GG	INTERGENIC		
SNP_76888B_35163	scaffold3693	NW_004518329.1	35163	AA	GG	GG	INTERGENIC		
SNP_76889B_35185	scaffold3693	NW_004518329.1	35185	CC	TT	TT	INTERGENIC		
SNP_76890B_35206	scaffold3693	NW_004518329.1	35206	TT	GG	GG	INTERGENIC		
SNP_76891B_35215	scaffold3693	NW_004518329.1	35215	CC	TT	TT	INTERGENIC		
SNP_76892B_35221	scaffold3693	NW_004518329.1	35221	TT	CC	CC	INTERGENIC		
SNP_76893B_35349	scaffold3693	NW_004518329.1	35349	CC	TT	TT	INTERGENIC		
SNP_76894B_35495	scaffold3693	NW_004518329.1	35495	GG	AA	AA	INTERGENIC		
SNP_76895B_35650	scaffold3693	NW_004518329.1	35650	GG	AA	AA	INTERGENIC		
SNP_76896B_35699	scaffold3693	NW_004518329.1	35699	TT	CC	CC	INTERGENIC		
SNP_76897B_81068	scaffold3693	NW_004518329.1	81068	CC	TT	TT	INTERGENIC		
SNP_76898B_475	scaffold3696	NW_004518332.1	475	TT	GG	GG	INTERGENIC		
SNP_76899B_492	scaffold3696	NW_004518332.1	492	AA	TT	TT	INTERGENIC		
SNP_76900B_2577	scaffold3698	NW_004518334.1	2577	CC	TT	TT	INTERGENIC		
SNP_76901B_2581	scaffold3698	NW_004518334.1	2581	TT	CC	CC	INTERGENIC		
SNP_76902B_426	scaffold3700	NW_004518335.1	426	CC	TT	TT	INTERGENIC		
SNP_76903B_652	scaffold3700	NW_004518335.1	652	GG	CC	CC	INTERGENIC		
SNP_76904B_657	scaffold3700	NW_004518335.1	657	CC	AA	AA	INTERGENIC		
SNP_76905B_724	scaffold3700	NW_004518335.1	724	CC	TT	TT	INTERGENIC		
SNP_76906B_739	scaffold3700	NW_004518335.1	739	TT	AA	AA	INTERGENIC		
SNP_76907B_860	scaffold3700	NW_004518335.1	860	CC	AA	AA	INTERGENIC		
SNP_76908B_1065	scaffold3700	NW_004518335.1	1065	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76909B_1111	scaffold3700	NW_004518335.1	1111	TT	AA	AA	INTERGENIC		
SNP_76910B_1121	scaffold3700	NW_004518335.1	1121	CC	TT	TT	INTERGENIC		
SNP_76911B_395	scaffold3705	NW_004518339.1	395	GG	TT	TT	INTERGENIC		
SNP_76912B_492	scaffold3705	NW_004518339.1	492	TT	CC	CC	INTERGENIC		
SNP_76913B_673	scaffold3705	NW_004518339.1	673	AA	GG	GG	INTERGENIC		
SNP_76914B_675	scaffold3705	NW_004518339.1	675	GG	AA	AA	INTERGENIC		
SNP_76915B_719	scaffold3705	NW_004518339.1	719	TT	CC	CC	INTERGENIC		
SNP_76916B_739	scaffold3705	NW_004518339.1	739	CC	AA	AA	INTERGENIC		
SNP_76918B_4125	scaffold3705	NW_004518339.1	4125	AA	TT	TT	STOP_GAINED	101501804	DNA ligase 1-like
SNP_76919B_4141	scaffold3705	NW_004518339.1	4141	AA	GG	GG	NON_SYNONYMOUS_CODING	101501804	DNA ligase 1-like
SNP_76920B_763	scaffold3707	NW_004518341.1	763	AA	TT	TT	INTERGENIC		
SNP_76921B_800	scaffold3707	NW_004518341.1	800	CC	GG	GG	INTERGENIC		
SNP_76922B_1590	scaffold3707	NW_004518341.1	1590	TT	AA	AA	INTERGENIC		
SNP_76923B_1593	scaffold3707	NW_004518341.1	1593	TT	GG	GG	INTERGENIC		
SNP_76924B_1693	scaffold3707	NW_004518341.1	1693	CC	TT	TT	INTERGENIC		
SNP_76925B_1715	scaffold3707	NW_004518341.1	1715	GG	AA	AA	INTERGENIC		
SNP_76926B_1733	scaffold3707	NW_004518341.1	1733	GG	TT	TT	INTERGENIC		
SNP_76927B_1735	scaffold3707	NW_004518341.1	1735	AA	TT	TT	INTERGENIC		
SNP_76928B_1736	scaffold3707	NW_004518341.1	1736	AA	TT	TT	INTERGENIC		
SNP_76929B_1737	scaffold3707	NW_004518341.1	1737	AA	TT	TT	INTERGENIC		
SNP_76930B_1742	scaffold3707	NW_004518341.1	1742	TT	AA	AA	INTERGENIC		
SNP_76931B_1882	scaffold3707	NW_004518341.1	1882	CC	AA	AA	INTERGENIC		
SNP_76932B_4037	scaffold3707	NW_004518341.1	4037	CC	TT	TT	INTERGENIC		
SNP_76933B_642	scaffold3714	NW_004518344.1	642	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76934B_687	scaffold3714	NW_004518344.1	687	TT	GG	GG	INTERGENIC		
SNP_76935B_696	scaffold3714	NW_004518344.1	696	AA	GG	GG	INTERGENIC		
SNP_76936B_699	scaffold3714	NW_004518344.1	699	AA	CC	CC	INTERGENIC		
SNP_76937B_854	scaffold3714	NW_004518344.1	854	AA	TT	TT	INTERGENIC		
SNP_76938B_879	scaffold3714	NW_004518344.1	879	TT	CC	CC	INTERGENIC		
SNP_76939B_887	scaffold3714	NW_004518344.1	887	TT	AA	AA	INTERGENIC		
SNP_76940B_896	scaffold3714	NW_004518344.1	896	CC	AA	AA	INTERGENIC		
SNP_76941B_924	scaffold3714	NW_004518344.1	924	GG	AA	AA	INTERGENIC		
SNP_76942B_316	scaffold3728	NW_004518357.1	316	CC	TT	TT	INTERGENIC		
SNP_76943B_317	scaffold3728	NW_004518357.1	317	CC	TT	TT	INTERGENIC		
SNP_76944B_413	scaffold3728	NW_004518357.1	413	AA	GG	GG	INTERGENIC		
SNP_76945B_419	scaffold3728	NW_004518357.1	419	AA	TT	TT	INTERGENIC		
SNP_76946B_426	scaffold3728	NW_004518357.1	426	GG	CC	CC	INTERGENIC		
SNP_76947B_465	scaffold3728	NW_004518357.1	465	GG	AA	AA	INTERGENIC		
SNP_76948B_489	scaffold3728	NW_004518357.1	489	GG	AA	AA	INTERGENIC		
SNP_76949B_499	scaffold3728	NW_004518357.1	499	GG	TT	TT	INTERGENIC		
SNP_76950B_454	scaffold3731	NW_004518359.1	454	CC	TT	TT	INTERGENIC		
SNP_76951B_834	scaffold3731	NW_004518359.1	834	GG	TT	TT	INTERGENIC		
SNP_76952B_852	scaffold3731	NW_004518359.1	852	AA	TT	TT	INTERGENIC		
SNP_76953B_892	scaffold3731	NW_004518359.1	892	TT	GG	GG	INTERGENIC		
SNP_76954B_894	scaffold3731	NW_004518359.1	894	TT	AA	AA	INTERGENIC		
SNP_76955B_897	scaffold3731	NW_004518359.1	897	GG	TT	TT	INTERGENIC		
SNP_76956B_915	scaffold3731	NW_004518359.1	915	TT	GG	GG	INTERGENIC		
SNP_76957B_921	scaffold3731	NW_004518359.1	921	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76958B_930	scaffold3731	NW_004518359.1	930	GG	TT	TT	INTERGENIC		
SNP_76960B_951	scaffold3731	NW_004518359.1	951	GG	AA	AA	INTERGENIC		
SNP_76961B_966	scaffold3731	NW_004518359.1	966	TT	GG	GG	INTERGENIC		
SNP_76962B_976	scaffold3731	NW_004518359.1	976	GG	AA	AA	INTERGENIC		
SNP_76964B_123	scaffold3742	NW_004518366.1	123	GG	AA	AA	INTERGENIC		
SNP_76965B_146	scaffold3742	NW_004518366.1	146	TT	AA	AA	INTERGENIC		
SNP_76966B_374	scaffold3742	NW_004518366.1	374	TT	CC	CC	INTERGENIC		
SNP_76967B_405	scaffold3742	NW_004518366.1	405	AA	TT	TT	INTERGENIC		
SNP_76968B_439	scaffold3742	NW_004518366.1	439	AA	GG	GG	INTERGENIC		
SNP_76969B_603	scaffold3742	NW_004518366.1	603	CC	TT	TT	INTERGENIC		
SNP_76970B_643	scaffold3742	NW_004518366.1	643	CC	GG	GG	INTERGENIC		
SNP_76971B_665	scaffold3742	NW_004518366.1	665	CC	TT	TT	INTERGENIC		
SNP_76972B_688	scaffold3742	NW_004518366.1	688	TT	CC	CC	INTERGENIC		
SNP_76973B_3733	scaffold3742	NW_004518366.1	3733	CC	AA	AA	INTERGENIC		
SNP_76974B_3735	scaffold3742	NW_004518366.1	3735	AA	CC	CC	INTERGENIC		
SNP_76975B_3790	scaffold3742	NW_004518366.1	3790	CC	AA	AA	INTERGENIC		
SNP_76977B_4039	scaffold3742	NW_004518366.1	4039	GG	CC	CC	INTERGENIC		
SNP_76979B_4088	scaffold3742	NW_004518366.1	4088	GG	TT	TT	INTERGENIC		
SNP_76980B_4135	scaffold3742	NW_004518366.1	4135	AA	TT	TT	INTERGENIC		
SNP_76981B_10935	scaffold3742	NW_004518366.1	10935	CC	TT	TT	INTERGENIC		
SNP_76982B_11065	scaffold3742	NW_004518366.1	11065	AA	CC	CC	INTERGENIC		
SNP_76983B_11469	scaffold3742	NW_004518366.1	11469	TT	AA	AA	INTERGENIC		
SNP_76984B_4666	scaffold3744	NW_004518368.1	4666	TT	GG	GG	INTERGENIC		
SNP_76985B_3275	scaffold3745	NW_004518369.1	3275	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_76986B_116	scaffold3757	NW_004518379.1	116	TT	AA	AA	INTERGENIC		
SNP_76987B_222	scaffold3757	NW_004518379.1	222	CC	TT	TT	INTERGENIC		
SNP_76988B_234	scaffold3757	NW_004518379.1	234	AA	GG	GG	INTERGENIC		
SNP_76989B_537	scaffold3757	NW_004518379.1	537	CC	AA	AA	INTERGENIC		
SNP_76990B_3975	scaffold3757	NW_004518379.1	3975	TT	CC	CC	INTERGENIC		
SNP_76991B_4006	scaffold3757	NW_004518379.1	4006	TT	GG	GG	INTERGENIC		
SNP_76992B_4046	scaffold3757	NW_004518379.1	4046	GG	AA	AA	INTERGENIC		
SNP_76993B_4076	scaffold3757	NW_004518379.1	4076	AA	GG	GG	INTERGENIC		
SNP_76994B_4211	scaffold3757	NW_004518379.1	4211	AA	GG	GG	INTERGENIC		
SNP_76995B_4257	scaffold3757	NW_004518379.1	4257	TT	GG	GG	INTERGENIC		
SNP_76996B_4278	scaffold3757	NW_004518379.1	4278	TT	AA	AA	INTERGENIC		
SNP_76997B_4426	scaffold3757	NW_004518379.1	4426	AA	CC	CC	INTERGENIC		
SNP_76998B_4500	scaffold3757	NW_004518379.1	4500	CC	TT	TT	INTERGENIC		
SNP_76999B_5073	scaffold3757	NW_004518379.1	5073	CC	TT	TT	INTERGENIC		
SNP_77000B_5315	scaffold3757	NW_004518379.1	5315	AA	GG	GG	INTERGENIC		
SNP_77001B_5389	scaffold3757	NW_004518379.1	5389	CC	AA	AA	INTERGENIC		
SNP_77002B_6944	scaffold3757	NW_004518379.1	6944	TT	CC	CC	INTERGENIC		
SNP_77003B_7043	scaffold3757	NW_004518379.1	7043	TT	CC	CC	INTERGENIC		
SNP_77004B_7505	scaffold3757	NW_004518379.1	7505	TT	GG	GG	INTERGENIC		
SNP_77005B_7663	scaffold3757	NW_004518379.1	7663	AA	CC	CC	INTERGENIC		
SNP_77006B_7677	scaffold3757	NW_004518379.1	7677	TT	GG	GG	INTERGENIC		
SNP_77007B_7767	scaffold3757	NW_004518379.1	7767	AA	GG	GG	INTERGENIC		
SNP_77008B_7897	scaffold3757	NW_004518379.1	7897	AA	GG	GG	INTERGENIC		
SNP_77009B_7967	scaffold3757	NW_004518379.1	7967	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77010B_618	scaffold3765	NW_004518383.1	618	CC	TT	TT	INTERGENIC		
SNP_77011B_4236	scaffold3765	NW_004518383.1	4236	CC	GG	GG	INTERGENIC		
SNP_77012B_6621	scaffold3771	NW_004518388.1	6621	TT	AA	AA	INTERGENIC		
SNP_77013B_11360	scaffold3771	NW_004518388.1	11360	CC	TT	TT	INTERGENIC		
SNP_77014B_11507	scaffold3771	NW_004518388.1	11507	TT	CC	CC	INTERGENIC		
SNP_77015B_11640	scaffold3771	NW_004518388.1	11640	AA	GG	GG	INTERGENIC		
SNP_77016B_11843	scaffold3771	NW_004518388.1	11843	AA	GG	GG	INTERGENIC		
SNP_77017B_11860	scaffold3771	NW_004518388.1	11860	CC	AA	AA	INTERGENIC		
SNP_77018B_12776	scaffold3771	NW_004518388.1	12776	AA	GG	GG	INTERGENIC		
SNP_77019B_1364	scaffold3772	NW_004518389.1	1364	TT	AA	AA	INTERGENIC		
SNP_77020B_260	scaffold3780	NW_004518392.1	260	GG	AA	AA	INTERGENIC		
SNP_77021B_7463	scaffold3780	NW_004518392.1	7463	AA	TT	TT	INTERGENIC		
SNP_77022B_7553	scaffold3780	NW_004518392.1	7553	GG	CC	CC	INTERGENIC		
SNP_77023B_7586	scaffold3780	NW_004518392.1	7586	GG	CC	CC	INTERGENIC		
SNP_77026B_9717	scaffold3780	NW_004518392.1	9717	AA	TT	TT	INTERGENIC		
SNP_77027B_21224	scaffold3780	NW_004518392.1	21224	TT	CC	CC	INTERGENIC		
SNP_77028B_21225	scaffold3780	NW_004518392.1	21225	AA	CC	CC	INTERGENIC		
SNP_77029B_21270	scaffold3780	NW_004518392.1	21270	AA	TT	TT	INTERGENIC		
SNP_77030B_2010	scaffold3784	NW_004518394.1	2010	AA	CC	CC	INTERGENIC		
SNP_77031B_2031	scaffold3784	NW_004518394.1	2031	TT	CC	CC	INTERGENIC		
SNP_77032B_2056	scaffold3784	NW_004518394.1	2056	GG	AA	AA	INTERGENIC		
SNP_77033B_2239	scaffold3784	NW_004518394.1	2239	GG	TT	TT	INTERGENIC		
SNP_77035B_2894	scaffold3789	NW_004518395.1	2894	GG	AA	AA	INTERGENIC		
SNP_77036B_3329	scaffold3789	NW_004518395.1	3329	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77037B_3940	scaffold3789	NW_004518395.1	3940	GG	TT	TT	INTERGENIC		
SNP_77038B_4222	scaffold3789	NW_004518395.1	4222	TT	GG	GG	INTERGENIC		
SNP_77039B_4228	scaffold3789	NW_004518395.1	4228	AA	GG	GG	INTERGENIC		
SNP_77040B_6081	scaffold3789	NW_004518395.1	6081	CC	AA	AA	INTERGENIC		
SNP_77041B_6189	scaffold3789	NW_004518395.1	6189	AA	GG	GG	INTERGENIC		
SNP_77042B_6309	scaffold3789	NW_004518395.1	6309	CC	TT	TT	INTERGENIC		
SNP_77043B_6409	scaffold3789	NW_004518395.1	6409	CC	AA	AA	INTERGENIC		
SNP_77044B_6868	scaffold3789	NW_004518395.1	6868	AA	CC	CC	INTERGENIC		
SNP_77045B_6871	scaffold3789	NW_004518395.1	6871	TT	CC	CC	INTERGENIC		
SNP_77046B_7075	scaffold3789	NW_004518395.1	7075	TT	CC	CC	INTERGENIC		
SNP_77047B_3107	scaffold3794	NW_004518397.1	3107	GG	AA	AA	URR	101503514	GDSL esterase/lipase APG-like
SNP_77048B_6015	scaffold3794	NW_004518397.1	6015	GG	AA	AA	INTERGENIC		
SNP_77049B_13554	scaffold3794	NW_004518397.1	13554	CC	TT	TT	INTRON	101504367	uncharacterized LOC101504367
SNP_77050B_32242	scaffold3794	NW_004518397.1	32242	AA	TT	TT	INTRON	101504367	uncharacterized LOC101504367
SNP_77052B_35616	scaffold3794	NW_004518397.1	35616	TT	AA	AA	INTRON	101504367	uncharacterized LOC101504367
SNP_77053B_43073	scaffold3794	NW_004518397.1	43073	AA	GG	GG	INTERGENIC		
SNP_77055B_50831	scaffold3794	NW_004518397.1	50831	AA	GG	GG	INTERGENIC		
SNP_77057B_58786	scaffold3794	NW_004518397.1	58786	AA	GG	GG	INTERGENIC		
SNP_77058B_59092	scaffold3794	NW_004518397.1	59092	CC	TT	TT	INTERGENIC		
SNP_77059B_72464	scaffold3794	NW_004518397.1	72464	TT	CC	CC	URR	101503851	uncharacterized LOC101503851
SNP_77060B_72484	scaffold3794	NW_004518397.1	72484	TT	CC	CC	URR	101503851	uncharacterized LOC101503851
SNP_77061B_72514	scaffold3794	NW_004518397.1	72514	GG	AA	AA	URR	101503851	uncharacterized LOC101503851
SNP_77062B_72519	scaffold3794	NW_004518397.1	72519	TT	CC	CC	URR	101503851	uncharacterized LOC101503851
SNP_77063B_78516	scaffold3794	NW_004518397.1	78516	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77065B_82525	scaffold3794	NW_004518397.1	82525	AA	GG	GG	INTERGENIC		
SNP_77066B_17808	scaffold3810	NW_004518406.1	17808	TT	CC	CC	INTERGENIC		
SNP_77067B_21139	scaffold3810	NW_004518406.1	21139	CC	TT	TT	INTERGENIC		
SNP_77068B_21444	scaffold3810	NW_004518406.1	21444	AA	CC	CC	INTERGENIC		
SNP_77069B_21478	scaffold3810	NW_004518406.1	21478	AA	GG	GG	INTERGENIC		
SNP_77070B_21555	scaffold3810	NW_004518406.1	21555	GG	CC	CC	INTERGENIC		
SNP_77071B_21574	scaffold3810	NW_004518406.1	21574	TT	CC	CC	INTERGENIC		
SNP_77072B_24578	scaffold3811	NW_004518407.1	24578	TT	CC	CC	INTERGENIC		
SNP_77073B_24597	scaffold3811	NW_004518407.1	24597	AA	GG	GG	INTERGENIC		
SNP_77074B_24958	scaffold3811	NW_004518407.1	24958	TT	CC	CC	INTERGENIC		
SNP_77075B_1411	scaffold3813	NW_004518409.1	1411	CC	GG	GG	INTERGENIC		
SNP_77076B_2977	scaffold3815	NW_004518410.1	2977	TT	AA	AA	INTERGENIC		
SNP_77077B_1243	scaffold3818	NW_004518413.1	1243	TT	CC	CC	INTERGENIC		
SNP_77078B_2727	scaffold3823	NW_004518415.1	2727	AA	GG	GG	INTERGENIC		
SNP_77080B_3709	scaffold3823	NW_004518415.1	3709	TT	GG	GG	INTERGENIC		
SNP_77081B_3892	scaffold3823	NW_004518415.1	3892	AA	GG	GG	INTERGENIC		
SNP_77082B_4045	scaffold3823	NW_004518415.1	4045	TT	GG	GG	INTERGENIC		
SNP_77083B_4202	scaffold3823	NW_004518415.1	4202	TT	GG	GG	INTERGENIC		
SNP_77084B_11676	scaffold3824	NW_004518416.1	11676	CC	TT	TT	INTERGENIC		
SNP_77085B_22047	scaffold3824	NW_004518416.1	22047	TT	GG	GG	INTERGENIC		
SNP_77086B_22456	scaffold3824	NW_004518416.1	22456	GG	AA	AA	INTERGENIC		
SNP_77087B_2103	scaffold3837	NW_004518423.1	2103	TT	CC	CC	INTERGENIC		
SNP_77088B_2139	scaffold3837	NW_004518423.1	2139	CC	GG	GG	INTERGENIC		
SNP_77090B_2548	scaffold3837	NW_004518423.1	2548	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77091B_2604	scaffold3837	NW_004518423.1	2604	AA	GG	GG	INTERGENIC		
SNP_77092B_2606	scaffold3837	NW_004518423.1	2606	GG	TT	TT	INTERGENIC		
SNP_77093B_2646	scaffold3837	NW_004518423.1	2646	CC	TT	TT	INTERGENIC		
SNP_77094B_2700	scaffold3837	NW_004518423.1	2700	TT	AA	AA	INTERGENIC		
SNP_77095B_2708	scaffold3837	NW_004518423.1	2708	TT	CC	CC	INTERGENIC		
SNP_77096B_3570	scaffold3837	NW_004518423.1	3570	TT	CC	CC	INTERGENIC		
SNP_77097B_5403	scaffold3837	NW_004518423.1	5403	CC	TT	TT	INTERGENIC		
SNP_77098B_5421	scaffold3837	NW_004518423.1	5421	CC	TT	TT	INTERGENIC		
SNP_77099B_5429	scaffold3837	NW_004518423.1	5429	CC	TT	TT	INTERGENIC		
SNP_77100B_5443	scaffold3837	NW_004518423.1	5443	TT	CC	CC	INTERGENIC		
SNP_77101B_5477	scaffold3837	NW_004518423.1	5477	CC	TT	TT	INTERGENIC		
SNP_77102B_5480	scaffold3837	NW_004518423.1	5480	TT	AA	AA	INTERGENIC		
SNP_77103B_5607	scaffold3837	NW_004518423.1	5607	GG	TT	TT	INTERGENIC		
SNP_77104B_5641	scaffold3837	NW_004518423.1	5641	TT	CC	CC	INTERGENIC		
SNP_77106B_5689	scaffold3837	NW_004518423.1	5689	TT	CC	CC	INTERGENIC		
SNP_77107B_5704	scaffold3837	NW_004518423.1	5704	CC	TT	TT	INTERGENIC		
SNP_77108B_5716	scaffold3837	NW_004518423.1	5716	TT	GG	GG	INTERGENIC		
SNP_77109B_5747	scaffold3837	NW_004518423.1	5747	CC	GG	GG	INTERGENIC		
SNP_77110B_5812	scaffold3837	NW_004518423.1	5812	CC	TT	TT	INTERGENIC		
SNP_77111B_5837	scaffold3837	NW_004518423.1	5837	TT	CC	CC	INTERGENIC		
SNP_77112B_5849	scaffold3837	NW_004518423.1	5849	CC	TT	TT	INTERGENIC		
SNP_77113B_5989	scaffold3837	NW_004518423.1	5989	CC	TT	TT	INTERGENIC		
SNP_77114B_6416	scaffold3837	NW_004518423.1	6416	AA	GG	GG	INTERGENIC		
SNP_77115B_6431	scaffold3837	NW_004518423.1	6431	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77116B_6446	scaffold3837	NW_004518423.1	6446	CC	TT	TT	INTERGENIC		
SNP_77117B_6505	scaffold3837	NW_004518423.1	6505	AA	GG	GG	INTERGENIC		
SNP_77118B_6541	scaffold3837	NW_004518423.1	6541	TT	CC	CC	INTERGENIC		
SNP_77119B_6577	scaffold3837	NW_004518423.1	6577	AA	GG	GG	INTERGENIC		
SNP_77120B_6603	scaffold3837	NW_004518423.1	6603	GG	AA	AA	INTERGENIC		
SNP_77121B_6612	scaffold3837	NW_004518423.1	6612	GG	CC	CC	INTERGENIC		
SNP_77122B_6675	scaffold3837	NW_004518423.1	6675	TT	CC	CC	INTERGENIC		
SNP_77123B_6751	scaffold3837	NW_004518423.1	6751	TT	CC	CC	INTERGENIC		
SNP_77124B_6916	scaffold3837	NW_004518423.1	6916	AA	GG	GG	INTERGENIC		
SNP_77125B_10123	scaffold3837	NW_004518423.1	10123	GG	AA	AA	INTERGENIC		
SNP_77126B_10431	scaffold3837	NW_004518423.1	10431	AA	CC	CC	INTERGENIC		
SNP_77127B_2564	scaffold3840	NW_004518425.1	2564	AA	GG	GG	INTERGENIC		
SNP_77128B_516	scaffold3842	NW_004518426.1	516	TT	CC	CC	INTERGENIC		
SNP_77129B_1335	scaffold3842	NW_004518426.1	1335	AA	TT	TT	INTERGENIC		
SNP_77130B_2138	scaffold3842	NW_004518426.1	2138	CC	TT	TT	INTERGENIC		
SNP_77131B_13175	scaffold3850	NW_004518432.1	13175	TT	AA	AA	INTERGENIC		
SNP_77132B_1438	scaffold3851	NW_004518433.1	1438	TT	GG	GG	INTERGENIC		
SNP_77133B_1585	scaffold3851	NW_004518433.1	1585	TT	CC	CC	INTERGENIC		
SNP_77134B_1609	scaffold3851	NW_004518433.1	1609	CC	AA	AA	INTERGENIC		
SNP_77135B_1854	scaffold3851	NW_004518433.1	1854	GG	CC	CC	INTERGENIC		
SNP_77136B_571	scaffold3856	NW_004518436.1	571	GG	TT	TT	INTERGENIC		
SNP_77137B_615	scaffold3856	NW_004518436.1	615	AA	GG	GG	INTERGENIC		
SNP_77138B_5566	scaffold3856	NW_004518436.1	5566	TT	CC	CC	INTERGENIC		
SNP_77139B_5901	scaffold3856	NW_004518436.1	5901	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77140B_6117	scaffold3856	NW_004518436.1	6117	AA	TT	TT	INTERGENIC		
SNP_77141B_6157	scaffold3856	NW_004518436.1	6157	GG	TT	TT	INTERGENIC		
SNP_77142B_6826	scaffold3856	NW_004518436.1	6826	TT	GG	GG	INTERGENIC		
SNP_77143B_813	scaffold3858	NW_004518438.1	813	GG	AA	AA	INTERGENIC		
SNP_77144B_63464	scaffold3865	NW_004518444.1	63464	AA	TT	TT	URR	101508228	serine/threonine-protein phosphatase 7 long form homolog
SNP_77145B_63963	scaffold3865	NW_004518444.1	63963	AA	CC	CC	URR	101508228	serine/threonine-protein phosphatase 7 long form homolog
SNP_77146B_64294	scaffold3865	NW_004518444.1	64294	AA	TT	TT	URR	101508228	serine/threonine-protein phosphatase 7 long form homolog
SNP_77147B_64361	scaffold3865	NW_004518444.1	64361	TT	CC	CC	URR	101508228	serine/threonine-protein phosphatase 7 long form homolog
SNP_77148B_64486	scaffold3865	NW_004518444.1	64486	TT	AA	AA	URR	101508228	serine/threonine-protein phosphatase 7 long form homolog
SNP_77149B_7513	scaffold3874	NW_004518450.1	7513	AA	TT	TT	INTERGENIC		
SNP_77150B_7557	scaffold3874	NW_004518450.1	7557	GG	CC	CC	INTERGENIC		
SNP_77151B_7571	scaffold3874	NW_004518450.1	7571	AA	CC	CC	INTERGENIC		
SNP_77152B_7854	scaffold3874	NW_004518450.1	7854	TT	CC	CC	INTERGENIC		
SNP_77153B_8006	scaffold3874	NW_004518450.1	8006	GG	TT	TT	INTERGENIC		
SNP_77154B_8013	scaffold3874	NW_004518450.1	8013	AA	GG	GG	INTERGENIC		
SNP_77155B_9393	scaffold3874	NW_004518450.1	9393	AA	TT	TT	INTERGENIC		
SNP_77156B_9445	scaffold3874	NW_004518450.1	9445	AA	CC	CC	INTERGENIC		
SNP_77157B_9474	scaffold3874	NW_004518450.1	9474	AA	GG	GG	INTERGENIC		
SNP_77158B_16124	scaffold3874	NW_004518450.1	16124	TT	CC	CC	INTERGENIC		
SNP_77159B_5322	scaffold3876	NW_004518451.1	5322	CC	GG	GG	INTERGENIC		
SNP_77160B_11696	scaffold3876	NW_004518451.1	11696	CC	TT	TT	INTERGENIC		
SNP_77161B_29823	scaffold3876	NW_004518451.1	29823	GG	AA	AA	INTERGENIC		
SNP_77162B_32793	scaffold3876	NW_004518451.1	32793	AA	GG	GG	INTERGENIC		
SNP_77163B_1997	scaffold3878	NW_004518453.1	1997	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77164B_2270	scaffold3878	NW_004518453.1	2270	CC	GG	GG	INTERGENIC		
SNP_77165B_2062	scaffold3881	NW_004518455.1	2062	TT	GG	GG	INTERGENIC		
SNP_77166B_8527	scaffold3881	NW_004518455.1	8527	AA	GG	GG	INTERGENIC		
SNP_77167B_8528	scaffold3881	NW_004518455.1	8528	TT	GG	GG	INTERGENIC		
SNP_77168B_1699	scaffold3882	NW_004518456.1	1699	TT	CC	CC	INTERGENIC		
SNP_77169B_1744	scaffold3882	NW_004518456.1	1744	CC	AA	AA	INTERGENIC		
SNP_77170B_1748	scaffold3882	NW_004518456.1	1748	AA	CC	CC	INTERGENIC		
SNP_77171B_2053	scaffold3882	NW_004518456.1	2053	AA	GG	GG	INTERGENIC		
SNP_77172B_2054	scaffold3882	NW_004518456.1	2054	CC	GG	GG	INTERGENIC		
SNP_77173B_2078	scaffold3882	NW_004518456.1	2078	TT	CC	CC	INTERGENIC		
SNP_77174B_5593	scaffold3890	NW_004518463.1	5593	GG	AA	AA	INTERGENIC		
SNP_77175B_5635	scaffold3890	NW_004518463.1	5635	TT	CC	CC	INTERGENIC		
SNP_77176B_5708	scaffold3890	NW_004518463.1	5708	TT	AA	AA	INTERGENIC		
SNP_77177B_5775	scaffold3890	NW_004518463.1	5775	CC	TT	TT	INTERGENIC		
SNP_77178B_8248	scaffold3890	NW_004518463.1	8248	TT	CC	CC	INTERGENIC		
SNP_77179B_8267	scaffold3890	NW_004518463.1	8267	TT	CC	CC	INTERGENIC		
SNP_77180B_8653	scaffold3890	NW_004518463.1	8653	TT	AA	AA	INTERGENIC		
SNP_77181B_9151	scaffold3890	NW_004518463.1	9151	TT	CC	CC	INTERGENIC		
SNP_77182B_9157	scaffold3890	NW_004518463.1	9157	CC	AA	AA	INTERGENIC		
SNP_77183B_1116	scaffold3896	NW_004518466.1	1116	CC	AA	AA	INTERGENIC		
SNP_77186B_4727	scaffold3900	NW_004518469.1	4727	AA	GG	GG	INTERGENIC		
SNP_77187B_4746	scaffold3900	NW_004518469.1	4746	AA	TT	TT	INTERGENIC		
SNP_77188B_7552	scaffold3900	NW_004518469.1	7552	AA	TT	TT	INTERGENIC		
SNP_77189B_7810	scaffold3900	NW_004518469.1	7810	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77190B_7811	scaffold3900	NW_004518469.1	7811	AA	GG	GG	INTERGENIC		
SNP_77191B_7812	scaffold3900	NW_004518469.1	7812	TT	CC	CC	INTERGENIC		
SNP_77192B_7900	scaffold3900	NW_004518469.1	7900	GG	TT	TT	INTERGENIC		
SNP_77193B_9088	scaffold3900	NW_004518469.1	9088	TT	AA	AA	INTERGENIC		
SNP_77194B_9389	scaffold3900	NW_004518469.1	9389	TT	CC	CC	INTERGENIC		
SNP_77195B_13855	scaffold3900	NW_004518469.1	13855	AA	GG	GG	INTERGENIC		
SNP_77196B_14140	scaffold3900	NW_004518469.1	14140	TT	CC	CC	INTERGENIC		
SNP_77197B_14504	scaffold3900	NW_004518469.1	14504	AA	CC	CC	INTERGENIC		
SNP_77198B_14544	scaffold3900	NW_004518469.1	14544	GG	AA	AA	INTERGENIC		
SNP_77199B_14583	scaffold3900	NW_004518469.1	14583	CC	GG	GG	INTERGENIC		
SNP_77200B_14586	scaffold3900	NW_004518469.1	14586	GG	TT	TT	INTERGENIC		
SNP_77201B_2928	scaffold3902	NW_004518471.1	2928	GG	TT	TT	INTERGENIC		
SNP_77202B_2939	scaffold3902	NW_004518471.1	2939	TT	CC	CC	INTERGENIC		
SNP_77203B_3119	scaffold3902	NW_004518471.1	3119	GG	TT	TT	INTERGENIC		
SNP_77204B_3202	scaffold3902	NW_004518471.1	3202	AA	GG	GG	INTERGENIC		
SNP_77205B_3247	scaffold3902	NW_004518471.1	3247	TT	CC	CC	INTERGENIC		
SNP_77206B_3477	scaffold3902	NW_004518471.1	3477	AA	CC	CC	INTERGENIC		
SNP_77207B_3487	scaffold3902	NW_004518471.1	3487	GG	AA	AA	INTERGENIC		
SNP_77208B_3495	scaffold3902	NW_004518471.1	3495	TT	CC	CC	INTERGENIC		
SNP_77209B_3537	scaffold3902	NW_004518471.1	3537	CC	AA	AA	INTERGENIC		
SNP_77210B_3546	scaffold3902	NW_004518471.1	3546	CC	GG	GG	INTERGENIC		
SNP_77211B_3597	scaffold3902	NW_004518471.1	3597	AA	GG	GG	INTERGENIC		
SNP_77212B_371	scaffold3906	NW_004518474.1	371	CC	TT	TT	INTERGENIC		
SNP_77213B_373	scaffold3906	NW_004518474.1	373	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77214B_469	scaffold3907	NW_004518475.1	469	CC	TT	TT	INTERGENIC		
SNP_77216B_3548	scaffold3907	NW_004518475.1	3548	TT	CC	CC	INTERGENIC		
SNP_77217B_3598	scaffold3907	NW_004518475.1	3598	GG	AA	AA	INTERGENIC		
SNP_77218B_3625	scaffold3907	NW_004518475.1	3625	CC	TT	TT	INTERGENIC		
SNP_77219B_3671	scaffold3907	NW_004518475.1	3671	TT	CC	CC	INTERGENIC		
SNP_77220B_6021	scaffold3907	NW_004518475.1	6021	CC	TT	TT	INTERGENIC		
SNP_77221B_6056	scaffold3907	NW_004518475.1	6056	GG	AA	AA	INTERGENIC		
SNP_77223B_8603	scaffold3909	NW_004518477.1	8603	TT	AA	AA	INTERGENIC		
SNP_77224B_8604	scaffold3909	NW_004518477.1	8604	AA	TT	TT	INTERGENIC		
SNP_77225B_32475	scaffold3909	NW_004518477.1	32475	GG	TT	TT	INTERGENIC		
SNP_77226B_3403	scaffold3915	NW_004518482.1	3403	CC	TT	TT	INTERGENIC		
SNP_77227B_7263	scaffold3915	NW_004518482.1	7263	GG	AA	AA	INTERGENIC		
SNP_77228B_7314	scaffold3915	NW_004518482.1	7314	TT	CC	CC	INTERGENIC		
SNP_77229B_7413	scaffold3915	NW_004518482.1	7413	CC	TT	TT	INTERGENIC		
SNP_77230B_1953	scaffold3917	NW_004518484.1	1953	GG	AA	AA	INTERGENIC		
SNP_77231B_2192	scaffold3917	NW_004518484.1	2192	CC	AA	AA	INTERGENIC		
SNP_77232B_2222	scaffold3917	NW_004518484.1	2222	GG	AA	AA	INTERGENIC		
SNP_77233B_2298	scaffold3917	NW_004518484.1	2298	GG	AA	AA	INTERGENIC		
SNP_77234B_2331	scaffold3917	NW_004518484.1	2331	CC	AA	AA	INTERGENIC		
SNP_77235B_2526	scaffold3917	NW_004518484.1	2526	CC	AA	AA	INTERGENIC		
SNP_77236B_2604	scaffold3917	NW_004518484.1	2604	AA	GG	GG	INTERGENIC		
SNP_77237B_2821	scaffold3917	NW_004518484.1	2821	CC	TT	TT	INTERGENIC		
SNP_77238B_3121	scaffold3917	NW_004518484.1	3121	CC	TT	TT	INTERGENIC		
SNP_77239B_3128	scaffold3917	NW_004518484.1	3128	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77240B_3183	scaffold3917	NW_004518484.1	3183	AA	GG	GG	INTERGENIC		
SNP_77241B_3251	scaffold3917	NW_004518484.1	3251	AA	CC	CC	INTERGENIC		
SNP_77242B_3304	scaffold3917	NW_004518484.1	3304	TT	CC	CC	INTERGENIC		
SNP_77243B_3319	scaffold3917	NW_004518484.1	3319	TT	AA	AA	INTERGENIC		
SNP_77244B_3356	scaffold3917	NW_004518484.1	3356	TT	CC	CC	INTERGENIC		
SNP_77245B_3375	scaffold3917	NW_004518484.1	3375	CC	AA	AA	INTERGENIC		
SNP_77246B_3468	scaffold3917	NW_004518484.1	3468	GG	TT	TT	INTERGENIC		
SNP_77247B_3557	scaffold3917	NW_004518484.1	3557	TT	AA	AA	INTERGENIC		
SNP_77248B_3843	scaffold3917	NW_004518484.1	3843	TT	CC	CC	INTERGENIC		
SNP_77249B_4233	scaffold3917	NW_004518484.1	4233	TT	CC	CC	INTERGENIC		
SNP_77250B_4373	scaffold3917	NW_004518484.1	4373	TT	CC	CC	INTERGENIC		
SNP_77251B_4418	scaffold3917	NW_004518484.1	4418	CC	AA	AA	INTERGENIC		
SNP_77252B_4423	scaffold3917	NW_004518484.1	4423	CC	TT	TT	INTERGENIC		
SNP_77253B_4440	scaffold3917	NW_004518484.1	4440	CC	TT	TT	INTERGENIC		
SNP_77254B_4073	scaffold3918	NW_004518485.1	4073	AA	TT	TT	INTERGENIC		
SNP_77255B_4104	scaffold3918	NW_004518485.1	4104	CC	AA	AA	INTERGENIC		
SNP_77256B_4139	scaffold3918	NW_004518485.1	4139	AA	TT	TT	INTERGENIC		
SNP_77257B_4242	scaffold3918	NW_004518485.1	4242	AA	CC	CC	INTERGENIC		
SNP_77259B_4390	scaffold3918	NW_004518485.1	4390	AA	TT	TT	INTERGENIC		
SNP_77260B_4405	scaffold3918	NW_004518485.1	4405	AA	GG	GG	INTERGENIC		
SNP_77262B_4654	scaffold3918	NW_004518485.1	4654	CC	AA	AA	INTERGENIC		
SNP_77263B_4655	scaffold3918	NW_004518485.1	4655	GG	AA	AA	INTERGENIC		
SNP_77264B_4696	scaffold3918	NW_004518485.1	4696	AA	TT	TT	INTERGENIC		
SNP_77265B_4836	scaffold3918	NW_004518485.1	4836	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77266B_4852	scaffold3918	NW_004518485.1	4852	GG	AA	AA	INTERGENIC		
SNP_77267B_4984	scaffold3918	NW_004518485.1	4984	TT	CC	CC	INTERGENIC		
SNP_77268B_5065	scaffold3918	NW_004518485.1	5065	CC	TT	TT	INTERGENIC		
SNP_77269B_5085	scaffold3918	NW_004518485.1	5085	TT	AA	AA	INTERGENIC		
SNP_77270B_5112	scaffold3918	NW_004518485.1	5112	AA	GG	GG	INTERGENIC		
SNP_77271B_5129	scaffold3918	NW_004518485.1	5129	CC	TT	TT	INTERGENIC		
SNP_77272B_5143	scaffold3918	NW_004518485.1	5143	AA	CC	CC	INTERGENIC		
SNP_77273B_5199	scaffold3918	NW_004518485.1	5199	TT	CC	CC	INTERGENIC		
SNP_77274B_5267	scaffold3918	NW_004518485.1	5267	TT	CC	CC	INTERGENIC		
SNP_77275B_5385	scaffold3918	NW_004518485.1	5385	TT	CC	CC	INTERGENIC		
SNP_77276B_5398	scaffold3918	NW_004518485.1	5398	AA	CC	CC	INTERGENIC		
SNP_77277B_5409	scaffold3918	NW_004518485.1	5409	TT	CC	CC	INTERGENIC		
SNP_77278B_5442	scaffold3918	NW_004518485.1	5442	TT	CC	CC	INTERGENIC		
SNP_77279B_5460	scaffold3918	NW_004518485.1	5460	CC	TT	TT	INTERGENIC		
SNP_77280B_5481	scaffold3918	NW_004518485.1	5481	GG	TT	TT	INTERGENIC		
SNP_77281B_5521	scaffold3918	NW_004518485.1	5521	GG	CC	CC	INTERGENIC		
SNP_77282B_5582	scaffold3918	NW_004518485.1	5582	TT	AA	AA	INTERGENIC		
SNP_77283B_5597	scaffold3918	NW_004518485.1	5597	TT	AA	AA	INTERGENIC		
SNP_77284B_5632	scaffold3918	NW_004518485.1	5632	CC	GG	GG	INTERGENIC		
SNP_77285B_5650	scaffold3918	NW_004518485.1	5650	TT	CC	CC	INTERGENIC		
SNP_77286B_5696	scaffold3918	NW_004518485.1	5696	TT	AA	AA	INTERGENIC		
SNP_77287B_6080	scaffold3918	NW_004518485.1	6080	GG	AA	AA	INTERGENIC		
SNP_77288B_6086	scaffold3918	NW_004518485.1	6086	TT	GG	GG	INTERGENIC		
SNP_77289B_6225	scaffold3918	NW_004518485.1	6225	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77290B_6307	scaffold3918	NW_004518485.1	6307	TT	AA	AA	INTERGENIC		
SNP_77291B_6356	scaffold3918	NW_004518485.1	6356	TT	CC	CC	INTERGENIC		
SNP_77292B_6421	scaffold3918	NW_004518485.1	6421	AA	TT	TT	INTERGENIC		
SNP_77293B_6494	scaffold3918	NW_004518485.1	6494	AA	CC	CC	INTERGENIC		
SNP_77294B_6502	scaffold3918	NW_004518485.1	6502	GG	AA	AA	INTERGENIC		
SNP_77295B_6535	scaffold3918	NW_004518485.1	6535	TT	CC	CC	INTERGENIC		
SNP_77296B_6548	scaffold3918	NW_004518485.1	6548	TT	CC	CC	INTERGENIC		
SNP_77297B_6602	scaffold3918	NW_004518485.1	6602	AA	CC	CC	INTERGENIC		
SNP_77298B_116	scaffold3920	NW_004518487.1	116	CC	TT	TT	INTERGENIC		
SNP_77299B_1845	scaffold3923	NW_004518489.1	1845	CC	TT	TT	INTERGENIC		
SNP_77300B_1849	scaffold3923	NW_004518489.1	1849	TT	GG	GG	INTERGENIC		
SNP_77301B_1859	scaffold3923	NW_004518489.1	1859	GG	AA	AA	INTERGENIC		
SNP_77302B_1862	scaffold3923	NW_004518489.1	1862	TT	CC	CC	INTERGENIC		
SNP_77303B_1924	scaffold3923	NW_004518489.1	1924	AA	GG	GG	INTERGENIC		
SNP_77304B_1928	scaffold3923	NW_004518489.1	1928	AA	GG	GG	INTERGENIC		
SNP_77305B_2003	scaffold3923	NW_004518489.1	2003	GG	TT	TT	INTERGENIC		
SNP_77306B_2018	scaffold3923	NW_004518489.1	2018	AA	GG	GG	INTERGENIC		
SNP_77309B_4239	scaffold3923	NW_004518489.1	4239	TT	CC	CC	INTERGENIC		
SNP_77310B_4402	scaffold3923	NW_004518489.1	4402	TT	AA	AA	INTERGENIC		
SNP_77311B_5552	scaffold3925	NW_004518491.1	5552	GG	AA	AA	INTERGENIC		
SNP_77312B_508	scaffold3927	NW_004518493.1	508	TT	CC	CC	INTERGENIC		
SNP_77314B_1387	scaffold3933	NW_004518496.1	1387	CC	AA	AA	INTERGENIC		
SNP_77316B_1013	scaffold3934	NW_004518497.1	1013	TT	AA	AA	INTERGENIC		
SNP_77317B_3842	scaffold3934	NW_004518497.1	3842	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77318B_4641	scaffold3934	NW_004518497.1	4641	GG	TT	TT	INTERGENIC		
SNP_77319B_14138	scaffold3934	NW_004518497.1	14138	TT	GG	GG	INTERGENIC		
SNP_77320B_342	scaffold3935	NW_004518498.1	342	GG	AA	AA	INTERGENIC		
SNP_77321B_3376	scaffold3939	NW_004518501.1	3376	TT	AA	AA	INTERGENIC		
SNP_77322B_4844	scaffold3942	NW_004518504.1	4844	CC	TT	TT	INTERGENIC		
SNP_77323B_4859	scaffold3942	NW_004518504.1	4859	TT	CC	CC	INTERGENIC		
SNP_77324B_4910	scaffold3942	NW_004518504.1	4910	GG	AA	AA	INTERGENIC		
SNP_77325B_5029	scaffold3942	NW_004518504.1	5029	TT	CC	CC	INTERGENIC		
SNP_77327B_5079	scaffold3942	NW_004518504.1	5079	TT	GG	GG	INTERGENIC		
SNP_77328B_2866	scaffold3945	NW_004518507.1	2866	GG	TT	TT	URR	101410595	transfer RNA tryptophan (anticodon CCA)
SNP_77329B_5216	scaffold3945	NW_004518507.1	5216	GG	CC	CC	INTERGENIC		
SNP_77330B_11332	scaffold3945	NW_004518507.1	11332	TT	GG	GG	URR	101508867	cytochrome c biogenesis CcmF C-terminal-like mitochondrial protein
SNP_77331B_11391	scaffold3945	NW_004518507.1	11391	TT	GG	GG	URR	101508867	cytochrome c biogenesis CcmF C-terminal-like mitochondrial protein
SNP_77332B_11541	scaffold3945	NW_004518507.1	11541	AA	CC	CC	URR	101508867	cytochrome c biogenesis CcmF C-terminal-like mitochondrial protein
SNP_77333B_11597	scaffold3945	NW_004518507.1	11597	GG	CC	CC	URR	101508867	cytochrome c biogenesis CcmF C-terminal-like mitochondrial protein
SNP_77335B_13004	scaffold3945	NW_004518507.1	13004	TT	CC	CC	DRR	101509189	NADH-ubiquinone oxidoreductase chain 6
SNP_77336B_28624	scaffold3945	NW_004518507.1	28624	GG	TT	TT	DRR	101509836	NADH-ubiquinone oxidoreductase chain 3
SNP_77337B_28629	scaffold3945	NW_004518507.1	28629	TT	CC	CC	INTERGENIC		
SNP_77339B_31783	scaffold3945	NW_004518507.1	31783	AA	TT	TT	INTERGENIC		
SNP_77342B_6114	scaffold3947	NW_004518509.1	6114	TT	CC	CC	INTERGENIC		
SNP_77343B_11486	scaffold3947	NW_004518509.1	11486	TT	GG	GG	INTERGENIC		
SNP_77344B_11575	scaffold3947	NW_004518509.1	11575	TT	AA	AA	INTERGENIC		
SNP_77345B_64	scaffold3948	NW_004518510.1	64	CC	GG	GG	INTERGENIC		
SNP_77346B_109	scaffold3948	NW_004518510.1	109	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77347B_111	scaffold3948	NW_004518510.1	111	CC	GG	GG	INTERGENIC		
SNP_77348B_332	scaffold3948	NW_004518510.1	332	CC	GG	GG	INTERGENIC		
SNP_77349B_806	scaffold3950	NW_004518511.1	806	CC	TT	TT	INTERGENIC		
SNP_77350B_4211	scaffold3950	NW_004518511.1	4211	AA	GG	GG	INTERGENIC		
SNP_77351B_4326	scaffold3950	NW_004518511.1	4326	AA	GG	GG	INTERGENIC		
SNP_77352B_4565	scaffold3950	NW_004518511.1	4565	AA	GG	GG	INTERGENIC		
SNP_77353B_4588	scaffold3950	NW_004518511.1	4588	CC	TT	TT	INTERGENIC		
SNP_77354B_4766	scaffold3950	NW_004518511.1	4766	CC	TT	TT	INTERGENIC		
SNP_77355B_4772	scaffold3950	NW_004518511.1	4772	AA	GG	GG	INTERGENIC		
SNP_77357B_6958	scaffold3950	NW_004518511.1	6958	TT	GG	GG	INTERGENIC		
SNP_77358B_7026	scaffold3950	NW_004518511.1	7026	CC	TT	TT	INTERGENIC		
SNP_77359B_7107	scaffold3950	NW_004518511.1	7107	TT	CC	CC	INTERGENIC		
SNP_77360B_7114	scaffold3950	NW_004518511.1	7114	TT	GG	GG	INTERGENIC		
SNP_77361B_7252	scaffold3950	NW_004518511.1	7252	CC	TT	TT	INTERGENIC		
SNP_77363B_7432	scaffold3950	NW_004518511.1	7432	TT	CC	CC	INTERGENIC		
SNP_77364B_7497	scaffold3950	NW_004518511.1	7497	TT	AA	AA	INTERGENIC		
SNP_77365B_7543	scaffold3950	NW_004518511.1	7543	AA	GG	GG	INTERGENIC		
SNP_77366B_7620	scaffold3950	NW_004518511.1	7620	GG	TT	TT	INTERGENIC		
SNP_77369B_8033	scaffold3950	NW_004518511.1	8033	AA	GG	GG	INTERGENIC		
SNP_77370B_8132	scaffold3950	NW_004518511.1	8132	AA	GG	GG	INTERGENIC		
SNP_77371B_8203	scaffold3950	NW_004518511.1	8203	TT	CC	CC	INTERGENIC		
SNP_77372B_8206	scaffold3950	NW_004518511.1	8206	TT	AA	AA	INTERGENIC		
SNP_77373B_8434	scaffold3950	NW_004518511.1	8434	TT	CC	CC	INTERGENIC		
SNP_77375B_8554	scaffold3950	NW_004518511.1	8554	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77377B_8707	scaffold3950	NW_004518511.1	8707	GG	TT	TT	INTERGENIC		
SNP_77378B_8750	scaffold3950	NW_004518511.1	8750	AA	CC	CC	INTERGENIC		
SNP_77380B_8942	scaffold3950	NW_004518511.1	8942	AA	TT	TT	INTERGENIC		
SNP_77381B_8944	scaffold3950	NW_004518511.1	8944	TT	CC	CC	INTERGENIC		
SNP_77382B_8965	scaffold3950	NW_004518511.1	8965	GG	AA	AA	INTERGENIC		
SNP_77383B_9105	scaffold3950	NW_004518511.1	9105	AA	GG	GG	INTERGENIC		
SNP_77384B_9124	scaffold3950	NW_004518511.1	9124	TT	GG	GG	INTERGENIC		
SNP_77385B_9164	scaffold3950	NW_004518511.1	9164	AA	GG	GG	INTERGENIC		
SNP_77386B_9217	scaffold3950	NW_004518511.1	9217	AA	GG	GG	INTERGENIC		
SNP_77388B_12849	scaffold3950	NW_004518511.1	12849	TT	CC	CC	DRR	101510918	uncharacterized LOC101510918
SNP_77389B_13049	scaffold3950	NW_004518511.1	13049	CC	AA	AA	DRR	101510918	uncharacterized LOC101510918
SNP_77390B_1132	scaffold3951	NW_004518512.1	1132	TT	AA	AA	INTERGENIC		
SNP_77391B_1136	scaffold3951	NW_004518512.1	1136	TT	AA	AA	INTERGENIC		
SNP_77392B_1142	scaffold3951	NW_004518512.1	1142	CC	AA	AA	INTERGENIC		
SNP_77393B_1156	scaffold3951	NW_004518512.1	1156	AA	GG	GG	INTERGENIC		
SNP_77394B_1923	scaffold3951	NW_004518512.1	1923	CC	TT	TT	INTERGENIC		
SNP_77395B_1925	scaffold3951	NW_004518512.1	1925	CC	TT	TT	INTERGENIC		
SNP_77396B_1926	scaffold3951	NW_004518512.1	1926	CC	TT	TT	INTERGENIC		
SNP_77397B_2785	scaffold3951	NW_004518512.1	2785	TT	AA	AA	INTERGENIC		
SNP_77399B_1058	scaffold3952	NW_004518513.1	1058	TT	CC	CC	INTERGENIC		
SNP_77400B_1104	scaffold3952	NW_004518513.1	1104	AA	GG	GG	INTERGENIC		
SNP_77401B_1174	scaffold3952	NW_004518513.1	1174	AA	GG	GG	INTERGENIC		
SNP_77402B_1253	scaffold3952	NW_004518513.1	1253	TT	CC	CC	INTERGENIC		
SNP_77403B_397	scaffold3953	NW_004518514.1	397	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77404B_485	scaffold3953	NW_004518514.1	485	CC	TT	TT	INTERGENIC		
SNP_77405B_56	scaffold3962	NW_004518519.1	56	CC	TT	TT	INTERGENIC		
SNP_77407B_68	scaffold3962	NW_004518519.1	68	GG	AA	AA	INTERGENIC		
SNP_77408B_82	scaffold3962	NW_004518519.1	82	CC	AA	AA	INTERGENIC		
SNP_77409B_169	scaffold3962	NW_004518519.1	169	TT	CC	CC	INTERGENIC		
SNP_77410B_388	scaffold3962	NW_004518519.1	388	AA	CC	CC	INTERGENIC		
SNP_77411B_389	scaffold3962	NW_004518519.1	389	CC	TT	TT	INTERGENIC		
SNP_77412B_3774	scaffold3967	NW_004518523.1	3774	GG	AA	AA	INTERGENIC		
SNP_77413B_4948	scaffold3970	NW_004518525.1	4948	CC	AA	AA	INTERGENIC		
SNP_77414B_4980	scaffold3970	NW_004518525.1	4980	CC	AA	AA	INTERGENIC		
SNP_77415B_5285	scaffold3970	NW_004518525.1	5285	GG	AA	AA	INTERGENIC		
SNP_77416B_5468	scaffold3970	NW_004518525.1	5468	GG	CC	CC	INTERGENIC		
SNP_77417B_1016	scaffold3989	NW_004518541.1	1016	TT	GG	GG	INTERGENIC		
SNP_77418B_665	scaffold3996	NW_004518547.1	665	TT	GG	GG	INTERGENIC		
SNP_77419B_870	scaffold4002	NW_004518550.1	870	AA	GG	GG	INTERGENIC		
SNP_77420B_880	scaffold4002	NW_004518550.1	880	GG	AA	AA	INTERGENIC		
SNP_77421B_1120	scaffold4002	NW_004518550.1	1120	CC	AA	AA	INTERGENIC		
SNP_77422B_68	scaffold4007	NW_004518554.1	68	CC	AA	AA	INTERGENIC		
SNP_77423B_266	scaffold4007	NW_004518554.1	266	GG	AA	AA	INTERGENIC		
SNP_77424B_461	scaffold4007	NW_004518554.1	461	AA	GG	GG	INTERGENIC		
SNP_77425B_1423	scaffold4007	NW_004518554.1	1423	AA	GG	GG	INTERGENIC		
SNP_77426B_38513	scaffold4011	NW_004518557.1	38513	TT	AA	AA	URR	101511552	probable receptor-like protein kinase At2g42960
SNP_77427B_65207	scaffold4011	NW_004518557.1	65207	AA	GG	GG	INTERGENIC		
SNP_77428B_467	scaffold4020	NW_004518563.1	467	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77429B_562	scaffold4020	NW_004518563.1	562	GG	CC	CC	INTERGENIC		
SNP_77430B_10919	scaffold4020	NW_004518563.1	10919	CC	GG	GG	INTERGENIC		
SNP_77431B_11041	scaffold4020	NW_004518563.1	11041	TT	CC	CC	INTERGENIC		
SNP_77432B_11306	scaffold4020	NW_004518563.1	11306	TT	GG	GG	INTERGENIC		
SNP_77434B_3650	scaffold4024	NW_004518565.1	3650	AA	TT	TT	INTERGENIC		
SNP_77435B_3734	scaffold4024	NW_004518565.1	3734	GG	TT	TT	INTERGENIC		
SNP_77437B_1071	scaffold4028	NW_004518568.1	1071	TT	CC	CC	INTERGENIC		
SNP_77438B_8313	scaffold4028	NW_004518568.1	8313	TT	CC	CC	INTERGENIC		
SNP_77439B_8318	scaffold4028	NW_004518568.1	8318	GG	CC	CC	INTERGENIC		
SNP_77440B_8377	scaffold4028	NW_004518568.1	8377	TT	CC	CC	INTERGENIC		
SNP_77441B_8507	scaffold4028	NW_004518568.1	8507	TT	GG	GG	INTERGENIC		
SNP_77442B_8586	scaffold4028	NW_004518568.1	8586	AA	GG	GG	INTERGENIC		
SNP_77443B_14265	scaffold4028	NW_004518568.1	14265	TT	AA	AA	INTERGENIC		
SNP_77444B_14277	scaffold4028	NW_004518568.1	14277	TT	GG	GG	INTERGENIC		
SNP_77445B_14598	scaffold4028	NW_004518568.1	14598	TT	CC	CC	INTERGENIC		
SNP_77446B_14629	scaffold4028	NW_004518568.1	14629	CC	AA	AA	INTERGENIC		
SNP_77447B_27236	scaffold4028	NW_004518568.1	27236	AA	GG	GG	INTERGENIC		
SNP_77448B_532	scaffold4031	NW_004518570.1	532	TT	CC	CC	INTERGENIC		
SNP_77449B_565	scaffold4031	NW_004518570.1	565	GG	AA	AA	INTERGENIC		
SNP_77450B_730	scaffold4031	NW_004518570.1	730	AA	GG	GG	INTERGENIC		
SNP_77451B_732	scaffold4031	NW_004518570.1	732	AA	CC	CC	INTERGENIC		
SNP_77452B_900	scaffold4031	NW_004518570.1	900	AA	CC	CC	INTERGENIC		
SNP_77453B_1087	scaffold4031	NW_004518570.1	1087	GG	AA	AA	INTERGENIC		
SNP_77454B_2185	scaffold4032	NW_004518571.1	2185	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77455B_2218	scaffold4032	NW_004518571.1	2218	TT	AA	AA	INTERGENIC		
SNP_77456B_2250	scaffold4032	NW_004518571.1	2250	TT	AA	AA	INTERGENIC		
SNP_77457B_2287	scaffold4032	NW_004518571.1	2287	AA	CC	CC	INTERGENIC		
SNP_77458B_2518	scaffold4032	NW_004518571.1	2518	GG	AA	AA	INTERGENIC		
SNP_77459B_2585	scaffold4032	NW_004518571.1	2585	AA	TT	TT	INTERGENIC		
SNP_77460B_2586	scaffold4032	NW_004518571.1	2586	AA	CC	CC	INTERGENIC		
SNP_77461B_2640	scaffold4032	NW_004518571.1	2640	CC	GG	GG	INTERGENIC		
SNP_77462B_2704	scaffold4032	NW_004518571.1	2704	AA	CC	CC	INTERGENIC		
SNP_77463B_6843	scaffold4032	NW_004518571.1	6843	TT	AA	AA	INTERGENIC		
SNP_77464B_6846	scaffold4032	NW_004518571.1	6846	CC	AA	AA	INTERGENIC		
SNP_77465B_6851	scaffold4032	NW_004518571.1	6851	GG	AA	AA	INTERGENIC		
SNP_77466B_2884	scaffold4034	NW_004518572.1	2884	TT	AA	AA	INTERGENIC		
SNP_77467B_2923	scaffold4034	NW_004518572.1	2923	TT	CC	CC	INTERGENIC		
SNP_77468B_3154	scaffold4034	NW_004518572.1	3154	TT	CC	CC	INTERGENIC		
SNP_77469B_3162	scaffold4034	NW_004518572.1	3162	AA	GG	GG	INTERGENIC		
SNP_77470B_798	scaffold4038	NW_004518575.1	798	TT	GG	GG	INTERGENIC		
SNP_77471B_813	scaffold4038	NW_004518575.1	813	AA	GG	GG	INTERGENIC		
SNP_77472B_874	scaffold4038	NW_004518575.1	874	AA	GG	GG	INTERGENIC		
SNP_77473B_1250	scaffold4038	NW_004518575.1	1250	TT	CC	CC	INTERGENIC		
SNP_77474B_64	scaffold4041	NW_004518578.1	64	TT	AA	AA	INTERGENIC		
SNP_77475B_99	scaffold4041	NW_004518578.1	99	CC	AA	AA	INTERGENIC		
SNP_77476B_150	scaffold4041	NW_004518578.1	150	TT	GG	GG	INTERGENIC		
SNP_77477B_249	scaffold4041	NW_004518578.1	249	GG	CC	CC	INTERGENIC		
SNP_77478B_971	scaffold4041	NW_004518578.1	971	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77479B_978	scaffold4041	NW_004518578.1	978	GG	AA	AA	INTERGENIC		
SNP_77482B_13889	scaffold4041	NW_004518578.1	13889	GG	AA	AA	INTERGENIC		
SNP_77483B_15413	scaffold4041	NW_004518578.1	15413	AA	TT	TT	INTERGENIC		
SNP_77484B_15431	scaffold4041	NW_004518578.1	15431	GG	AA	AA	INTERGENIC		
SNP_77485B_15454	scaffold4041	NW_004518578.1	15454	TT	CC	CC	INTERGENIC		
SNP_77486B_15501	scaffold4041	NW_004518578.1	15501	GG	CC	CC	INTERGENIC		
SNP_77487B_15539	scaffold4041	NW_004518578.1	15539	TT	AA	AA	INTERGENIC		
SNP_77489B_15666	scaffold4041	NW_004518578.1	15666	TT	CC	CC	INTERGENIC		
SNP_77490B_15667	scaffold4041	NW_004518578.1	15667	TT	AA	AA	INTERGENIC		
SNP_77492B_15746	scaffold4041	NW_004518578.1	15746	TT	CC	CC	INTERGENIC		
SNP_77494B_15777	scaffold4041	NW_004518578.1	15777	CC	GG	GG	INTERGENIC		
SNP_77495B_15784	scaffold4041	NW_004518578.1	15784	GG	CC	CC	INTERGENIC		
SNP_77496B_15847	scaffold4041	NW_004518578.1	15847	CC	TT	TT	INTERGENIC		
SNP_77498B_15873	scaffold4041	NW_004518578.1	15873	TT	CC	CC	INTERGENIC		
SNP_77499B_15905	scaffold4041	NW_004518578.1	15905	AA	TT	TT	INTERGENIC		
SNP_77501B_16001	scaffold4041	NW_004518578.1	16001	CC	TT	TT	INTERGENIC		
SNP_77502B_16018	scaffold4041	NW_004518578.1	16018	CC	TT	TT	INTERGENIC		
SNP_77503B_16116	scaffold4041	NW_004518578.1	16116	TT	AA	AA	INTERGENIC		
SNP_77504B_16142	scaffold4041	NW_004518578.1	16142	AA	CC	CC	INTERGENIC		
SNP_77505B_16146	scaffold4041	NW_004518578.1	16146	AA	GG	GG	INTERGENIC		
SNP_77506B_16148	scaffold4041	NW_004518578.1	16148	CC	TT	TT	INTERGENIC		
SNP_77508B_16312	scaffold4041	NW_004518578.1	16312	TT	CC	CC	INTERGENIC		
SNP_77509B_16346	scaffold4041	NW_004518578.1	16346	GG	AA	AA	INTERGENIC		
SNP_77510B_16399	scaffold4041	NW_004518578.1	16399	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77511B_16403	scaffold4041	NW_004518578.1	16403	TT	AA	AA	INTERGENIC		
SNP_77512B_38289	scaffold4041	NW_004518578.1	38289	TT	CC	CC	URR	101488520	peroxisome biogenesis protein 22
SNP_77513B_38757	scaffold4041	NW_004518578.1	38757	CC	TT	TT	URR	101488520	peroxisome biogenesis protein 22
SNP_77515B_39282	scaffold4041	NW_004518578.1	39282	AA	GG	GG	INTERGENIC		
SNP_77516B_546	scaffold4045	NW_004518580.1	546	AA	GG	GG	INTERGENIC		
SNP_77517B_558	scaffold4045	NW_004518580.1	558	AA	TT	TT	INTERGENIC		
SNP_77518B_567	scaffold4045	NW_004518580.1	567	TT	CC	CC	INTERGENIC		
SNP_77519B_590	scaffold4045	NW_004518580.1	590	AA	GG	GG	INTERGENIC		
SNP_77523B_6630	scaffold4057	NW_004518588.1	6630	CC	TT	TT	INTERGENIC		
SNP_77524B_7006	scaffold4057	NW_004518588.1	7006	GG	TT	TT	INTERGENIC		
SNP_77525B_7565	scaffold4057	NW_004518588.1	7565	AA	GG	GG	DRR	101490281	uncharacterized LOC101490281
SNP_77526B_18988	scaffold4057	NW_004518588.1	18988	TT	AA	AA	INTRON	101490598	aspartic proteinase-like protein 2
SNP_77527B_2736	scaffold4061	NW_004518590.1	2736	AA	TT	TT	INTERGENIC		
SNP_77528B_2772	scaffold4061	NW_004518590.1	2772	AA	CC	CC	INTERGENIC		
SNP_77529B_7205	scaffold4061	NW_004518590.1	7205	TT	GG	GG	INTERGENIC		
SNP_77530B_12172	scaffold4061	NW_004518590.1	12172	CC	TT	TT	INTERGENIC		
SNP_77531B_754	scaffold4064	NW_004518592.1	754	TT	CC	CC	INTERGENIC		
SNP_77533B_912	scaffold4064	NW_004518592.1	912	AA	GG	GG	INTERGENIC		
SNP_77534B_987	scaffold4064	NW_004518592.1	987	TT	GG	GG	INTERGENIC		
SNP_77536B_1349	scaffold4064	NW_004518592.1	1349	CC	GG	GG	INTERGENIC		
SNP_77538B_1498	scaffold4064	NW_004518592.1	1498	AA	GG	GG	INTERGENIC		
SNP_77539B_1560	scaffold4064	NW_004518592.1	1560	TT	CC	CC	INTERGENIC		
SNP_77540B_1662	scaffold4064	NW_004518592.1	1662	AA	TT	TT	INTERGENIC		
SNP_77541B_1967	scaffold4064	NW_004518592.1	1967	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77542B_2014	scaffold4064	NW_004518592.1	2014	GG	TT	TT	INTERGENIC		
SNP_77543B_2180	scaffold4064	NW_004518592.1	2180	AA	GG	GG	INTERGENIC		
SNP_77544B_2548	scaffold4064	NW_004518592.1	2548	TT	AA	AA	INTERGENIC		
SNP_77545B_2750	scaffold4064	NW_004518592.1	2750	GG	TT	TT	INTERGENIC		
SNP_77546B_2979	scaffold4064	NW_004518592.1	2979	AA	TT	TT	INTERGENIC		
SNP_77547B_3215	scaffold4064	NW_004518592.1	3215	TT	AA	AA	INTERGENIC		
SNP_77548B_3255	scaffold4064	NW_004518592.1	3255	CC	TT	TT	INTERGENIC		
SNP_77549B_3338	scaffold4064	NW_004518592.1	3338	CC	AA	AA	INTERGENIC		
SNP_77550B_3369	scaffold4064	NW_004518592.1	3369	AA	GG	GG	INTERGENIC		
SNP_77551B_3520	scaffold4064	NW_004518592.1	3520	GG	AA	AA	INTERGENIC		
SNP_77552B_3533	scaffold4064	NW_004518592.1	3533	TT	GG	GG	INTERGENIC		
SNP_77553B_3562	scaffold4064	NW_004518592.1	3562	CC	TT	TT	INTERGENIC		
SNP_77554B_3581	scaffold4064	NW_004518592.1	3581	GG	AA	AA	INTERGENIC		
SNP_77555B_3661	scaffold4064	NW_004518592.1	3661	CC	TT	TT	INTERGENIC		
SNP_77556B_3700	scaffold4064	NW_004518592.1	3700	AA	TT	TT	INTERGENIC		
SNP_77557B_3883	scaffold4064	NW_004518592.1	3883	GG	TT	TT	INTERGENIC		
SNP_77558B_3984	scaffold4064	NW_004518592.1	3984	CC	TT	TT	INTERGENIC		
SNP_77559B_4025	scaffold4064	NW_004518592.1	4025	TT	CC	CC	INTERGENIC		
SNP_77560B_4034	scaffold4064	NW_004518592.1	4034	TT	CC	CC	INTERGENIC		
SNP_77561B_4091	scaffold4064	NW_004518592.1	4091	GG	TT	TT	INTERGENIC		
SNP_77562B_4212	scaffold4064	NW_004518592.1	4212	AA	GG	GG	INTERGENIC		
SNP_77563B_4307	scaffold4064	NW_004518592.1	4307	TT	CC	CC	INTERGENIC		
SNP_77564B_4633	scaffold4064	NW_004518592.1	4633	AA	TT	TT	INTERGENIC		
SNP_77565B_4670	scaffold4064	NW_004518592.1	4670	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77566B_4781	scaffold4064	NW_004518592.1	4781	AA	GG	GG	INTERGENIC		
SNP_77567B_4791	scaffold4064	NW_004518592.1	4791	GG	AA	AA	INTERGENIC		
SNP_77568B_4816	scaffold4064	NW_004518592.1	4816	TT	AA	AA	INTERGENIC		
SNP_77569B_4994	scaffold4064	NW_004518592.1	4994	CC	AA	AA	INTERGENIC		
SNP_77570B_5052	scaffold4064	NW_004518592.1	5052	TT	CC	CC	INTERGENIC		
SNP_77571B_5147	scaffold4064	NW_004518592.1	5147	CC	TT	TT	INTERGENIC		
SNP_77572B_5268	scaffold4064	NW_004518592.1	5268	TT	CC	CC	INTERGENIC		
SNP_77573B_5331	scaffold4064	NW_004518592.1	5331	TT	CC	CC	INTERGENIC		
SNP_77575B_5435	scaffold4064	NW_004518592.1	5435	AA	CC	CC	INTERGENIC		
SNP_77576B_5657	scaffold4064	NW_004518592.1	5657	AA	CC	CC	INTERGENIC		
SNP_77577B_84	scaffold4081	NW_004518605.1	84	TT	CC	CC	INTERGENIC		
SNP_77578B_292	scaffold4081	NW_004518605.1	292	TT	GG	GG	INTERGENIC		
SNP_77579B_378	scaffold4081	NW_004518605.1	378	GG	AA	AA	INTERGENIC		
SNP_77580B_505	scaffold4081	NW_004518605.1	505	TT	AA	AA	INTERGENIC		
SNP_77581B_608	scaffold4081	NW_004518605.1	608	GG	AA	AA	INTERGENIC		
SNP_77582B_5213	scaffold4088	NW_004518611.1	5213	GG	AA	AA	INTERGENIC		
SNP_77584B_5688	scaffold4088	NW_004518611.1	5688	CC	TT	TT	INTERGENIC		
SNP_77585B_5947	scaffold4088	NW_004518611.1	5947	GG	AA	AA	INTERGENIC		
SNP_77586B_14801	scaffold4088	NW_004518611.1	14801	CC	TT	TT	INTERGENIC		
SNP_77587B_15058	scaffold4088	NW_004518611.1	15058	AA	CC	CC	INTERGENIC		
SNP_77588B_15090	scaffold4088	NW_004518611.1	15090	AA	CC	CC	INTERGENIC		
SNP_77589B_17682	scaffold4088	NW_004518611.1	17682	CC	TT	TT	INTERGENIC		
SNP_77590B_17980	scaffold4088	NW_004518611.1	17980	AA	GG	GG	INTERGENIC		
SNP_77591B_19313	scaffold4089	NW_004518612.1	19313	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77592B_19484	scaffold4089	NW_004518612.1	19484	GG	TT	TT	INTERGENIC		
SNP_77593B_19546	scaffold4089	NW_004518612.1	19546	AA	TT	TT	INTERGENIC		
SNP_77594B_19547	scaffold4089	NW_004518612.1	19547	TT	CC	CC	INTERGENIC		
SNP_77595B_279	scaffold4100	NW_004518620.1	279	AA	GG	GG	INTERGENIC		
SNP_77596B_499	scaffold4100	NW_004518620.1	499	TT	GG	GG	INTERGENIC		
SNP_77597B_1358	scaffold4106	NW_004518623.1	1358	CC	AA	AA	INTERGENIC		
SNP_77598B_9621	scaffold4107	NW_004518624.1	9621	AA	TT	TT	INTERGENIC		
SNP_77600B_4968	scaffold4108	NW_004518625.1	4968	GG	AA	AA	INTERGENIC		
SNP_77601B_4972	scaffold4108	NW_004518625.1	4972	CC	AA	AA	INTERGENIC		
SNP_77602B_5100	scaffold4108	NW_004518625.1	5100	GG	CC	CC	INTERGENIC		
SNP_77603B_5169	scaffold4108	NW_004518625.1	5169	CC	GG	GG	INTERGENIC		
SNP_77604B_5261	scaffold4108	NW_004518625.1	5261	AA	GG	GG	INTERGENIC		
SNP_77605B_5320	scaffold4108	NW_004518625.1	5320	GG	AA	AA	INTERGENIC		
SNP_77606B_5465	scaffold4108	NW_004518625.1	5465	GG	AA	AA	INTERGENIC		
SNP_77607B_6348	scaffold4108	NW_004518625.1	6348	TT	CC	CC	INTERGENIC		
SNP_77608B_6349	scaffold4108	NW_004518625.1	6349	TT	CC	CC	INTERGENIC		
SNP_77609B_6357	scaffold4108	NW_004518625.1	6357	AA	GG	GG	INTERGENIC		
SNP_77610B_8156	scaffold4108	NW_004518625.1	8156	TT	CC	CC	INTERGENIC		
SNP_77611B_8514	scaffold4108	NW_004518625.1	8514	GG	AA	AA	INTERGENIC		
SNP_77612B_8728	scaffold4108	NW_004518625.1	8728	AA	TT	TT	INTERGENIC		
SNP_77614B_470	scaffold4117	NW_004518632.1	470	TT	GG	GG	INTERGENIC		
SNP_77615B_495	scaffold4117	NW_004518632.1	495	AA	GG	GG	INTERGENIC		
SNP_77616B_11381	scaffold4118	NW_004518633.1	11381	CC	TT	TT	INTERGENIC		
SNP_77617B_11862	scaffold4118	NW_004518633.1	11862	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77618B_11919	scaffold4118	NW_004518633.1	11919	AA	GG	GG	INTERGENIC		
SNP_77619B_15286	scaffold4118	NW_004518633.1	15286	GG	TT	TT	INTERGENIC		
SNP_77620B_15900	scaffold4118	NW_004518633.1	15900	AA	TT	TT	INTERGENIC		
SNP_77621B_15910	scaffold4118	NW_004518633.1	15910	TT	AA	AA	INTERGENIC		
SNP_77622B_18924	scaffold4118	NW_004518633.1	18924	GG	AA	AA	INTERGENIC		
SNP_77623B_18935	scaffold4118	NW_004518633.1	18935	CC	AA	AA	INTERGENIC		
SNP_77624B_22091	scaffold4118	NW_004518633.1	22091	AA	GG	GG	INTERGENIC		
SNP_77625B_26645	scaffold4118	NW_004518633.1	26645	CC	AA	AA	INTERGENIC		
SNP_77626B_27055	scaffold4118	NW_004518633.1	27055	AA	TT	TT	INTERGENIC		
SNP_77627B_404	scaffold4122	NW_004518636.1	404	AA	GG	GG	INTERGENIC		
SNP_77628B_654	scaffold4141	NW_004518647.1	654	AA	GG	GG	INTERGENIC		
SNP_77629B_2240	scaffold4142	NW_004518648.1	2240	TT	AA	AA	INTERGENIC		
SNP_77630B_2505	scaffold4142	NW_004518648.1	2505	AA	CC	CC	INTERGENIC		
SNP_77631B_2566	scaffold4142	NW_004518648.1	2566	TT	GG	GG	INTERGENIC		
SNP_77632B_2584	scaffold4142	NW_004518648.1	2584	TT	CC	CC	INTERGENIC		
SNP_77633B_2785	scaffold4142	NW_004518648.1	2785	GG	AA	AA	INTERGENIC		
SNP_77634B_2806	scaffold4142	NW_004518648.1	2806	GG	AA	AA	INTERGENIC		
SNP_77635B_12814	scaffold4142	NW_004518648.1	12814	GG	AA	AA	INTERGENIC		
SNP_77636B_13191	scaffold4142	NW_004518648.1	13191	CC	TT	TT	INTERGENIC		
SNP_77637B_13650	scaffold4142	NW_004518648.1	13650	AA	CC	CC	INTERGENIC		
SNP_77638B_13767	scaffold4142	NW_004518648.1	13767	TT	CC	CC	INTERGENIC		
SNP_77639B_11349	scaffold4149	NW_004518652.1	11349	TT	AA	AA	INTERGENIC		
SNP_77640B_11430	scaffold4149	NW_004518652.1	11430	GG	AA	AA	INTERGENIC		
SNP_77641B_11709	scaffold4149	NW_004518652.1	11709	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77642B_11723	scaffold4149	NW_004518652.1	11723	CC	TT	TT	INTERGENIC		
SNP_77643B_11748	scaffold4149	NW_004518652.1	11748	TT	CC	CC	INTERGENIC		
SNP_77644B_11762	scaffold4149	NW_004518652.1	11762	AA	CC	CC	INTERGENIC		
SNP_77645B_11763	scaffold4149	NW_004518652.1	11763	CC	TT	TT	INTERGENIC		
SNP_77646B_12428	scaffold4149	NW_004518652.1	12428	AA	GG	GG	INTERGENIC		
SNP_77647B_12474	scaffold4149	NW_004518652.1	12474	GG	CC	CC	INTERGENIC		
SNP_77648B_12507	scaffold4149	NW_004518652.1	12507	AA	GG	GG	INTERGENIC		
SNP_77649B_12534	scaffold4149	NW_004518652.1	12534	TT	CC	CC	INTERGENIC		
SNP_77651B_8708	scaffold4155	NW_004518654.1	8708	CC	TT	TT	NON_SYNONYMOUS_CODING	101491563	uncharacterized LOC101491563
SNP_77652B_11575	scaffold4155	NW_004518654.1	11575	AA	CC	CC	URR	101491563	uncharacterized LOC101491563
SNP_77653B_11576	scaffold4155	NW_004518654.1	11576	TT	CC	CC	URR	101491563	uncharacterized LOC101491563
SNP_77654B_12384	scaffold4155	NW_004518654.1	12384	TT	CC	CC	INTERGENIC		
SNP_77655B_12385	scaffold4155	NW_004518654.1	12385	AA	CC	CC	INTERGENIC		
SNP_77656B_10199	scaffold4157	NW_004518656.1	10199	CC	AA	AA	INTERGENIC		
SNP_77657B_10215	scaffold4157	NW_004518656.1	10215	AA	GG	GG	INTERGENIC		
SNP_77658B_10601	scaffold4157	NW_004518656.1	10601	CC	AA	AA	INTERGENIC		
SNP_77659B_11816	scaffold4157	NW_004518656.1	11816	GG	TT	TT	INTERGENIC		
SNP_77660B_754	scaffold4158	NW_004518657.1	754	AA	TT	TT	INTERGENIC		
SNP_77661B_917	scaffold4158	NW_004518657.1	917	TT	GG	GG	INTERGENIC		
SNP_77662B_975	scaffold4158	NW_004518657.1	975	TT	AA	AA	INTERGENIC		
SNP_77663B_4033	scaffold4167	NW_004518665.1	4033	AA	GG	GG	INTERGENIC		
SNP_77664B_4069	scaffold4167	NW_004518665.1	4069	AA	GG	GG	INTERGENIC		
SNP_77665B_4109	scaffold4167	NW_004518665.1	4109	TT	CC	CC	INTERGENIC		
SNP_77666B_4133	scaffold4167	NW_004518665.1	4133	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77667B_4152	scaffold4167	NW_004518665.1	4152	CC	TT	TT	INTERGENIC		
SNP_77668B_4191	scaffold4167	NW_004518665.1	4191	AA	CC	CC	INTERGENIC		
SNP_77669B_4221	scaffold4167	NW_004518665.1	4221	TT	AA	AA	INTERGENIC		
SNP_77670B_4246	scaffold4167	NW_004518665.1	4246	TT	GG	GG	INTERGENIC		
SNP_77671B_4277	scaffold4167	NW_004518665.1	4277	TT	CC	CC	INTERGENIC		
SNP_77672B_33066	scaffold4167	NW_004518665.1	33066	TT	GG	GG	INTERGENIC		
SNP_77673B_33279	scaffold4167	NW_004518665.1	33279	CC	TT	TT	INTERGENIC		
SNP_77674B_33399	scaffold4167	NW_004518665.1	33399	TT	GG	GG	INTERGENIC		
SNP_77675B_33511	scaffold4167	NW_004518665.1	33511	TT	CC	CC	INTERGENIC		
SNP_77676B_33547	scaffold4167	NW_004518665.1	33547	AA	GG	GG	INTERGENIC		
SNP_77679B_581	scaffold4171	NW_004518669.1	581	TT	AA	AA	INTERGENIC		
SNP_77680B_585	scaffold4171	NW_004518669.1	585	AA	GG	GG	INTERGENIC		
SNP_77681B_1015	scaffold4171	NW_004518669.1	1015	AA	GG	GG	INTERGENIC		
SNP_77682B_612	scaffold4176	NW_004518672.1	612	AA	GG	GG	INTERGENIC		
SNP_77683B_685	scaffold4176	NW_004518672.1	685	GG	AA	AA	INTERGENIC		
SNP_77684B_718	scaffold4176	NW_004518672.1	718	AA	GG	GG	INTERGENIC		
SNP_77685B_1014	scaffold4176	NW_004518672.1	1014	TT	CC	CC	INTERGENIC		
SNP_77686B_1050	scaffold4176	NW_004518672.1	1050	TT	CC	CC	INTERGENIC		
SNP_77687B_1051	scaffold4176	NW_004518672.1	1051	GG	AA	AA	INTERGENIC		
SNP_77689B_4062	scaffold4176	NW_004518672.1	4062	AA	GG	GG	INTERGENIC		
SNP_77690B_4148	scaffold4176	NW_004518672.1	4148	AA	TT	TT	INTERGENIC		
SNP_77691B_4383	scaffold4176	NW_004518672.1	4383	GG	AA	AA	INTERGENIC		
SNP_77692B_4448	scaffold4176	NW_004518672.1	4448	AA	TT	TT	INTERGENIC		
SNP_77693B_4561	scaffold4176	NW_004518672.1	4561	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77694B_4565	scaffold4176	NW_004518672.1	4565	CC	GG	GG	INTERGENIC		
SNP_77695B_4688	scaffold4176	NW_004518672.1	4688	TT	CC	CC	INTERGENIC		
SNP_77696B_4735	scaffold4176	NW_004518672.1	4735	AA	CC	CC	INTERGENIC		
SNP_77697B_7671	scaffold4176	NW_004518672.1	7671	AA	GG	GG	INTERGENIC		
SNP_77698B_7775	scaffold4176	NW_004518672.1	7775	GG	AA	AA	INTERGENIC		
SNP_77699B_7810	scaffold4176	NW_004518672.1	7810	GG	AA	AA	INTERGENIC		
SNP_77700B_7903	scaffold4176	NW_004518672.1	7903	CC	TT	TT	INTERGENIC		
SNP_77701B_7928	scaffold4176	NW_004518672.1	7928	CC	AA	AA	INTERGENIC		
SNP_77702B_7987	scaffold4176	NW_004518672.1	7987	GG	AA	AA	INTERGENIC		
SNP_77703B_8005	scaffold4176	NW_004518672.1	8005	AA	GG	GG	INTERGENIC		
SNP_77704B_8045	scaffold4176	NW_004518672.1	8045	AA	CC	CC	INTERGENIC		
SNP_77705B_8148	scaffold4176	NW_004518672.1	8148	CC	TT	TT	INTERGENIC		
SNP_77706B_8153	scaffold4176	NW_004518672.1	8153	GG	AA	AA	INTERGENIC		
SNP_77707B_8174	scaffold4176	NW_004518672.1	8174	CC	TT	TT	INTERGENIC		
SNP_77708B_17197	scaffold4176	NW_004518672.1	17197	TT	GG	GG	INTERGENIC		
SNP_77709B_17278	scaffold4176	NW_004518672.1	17278	AA	TT	TT	INTERGENIC		
SNP_77710B_17328	scaffold4176	NW_004518672.1	17328	TT	CC	CC	INTERGENIC		
SNP_77711B_17516	scaffold4176	NW_004518672.1	17516	TT	CC	CC	INTERGENIC		
SNP_77712B_590	scaffold4178	NW_004518673.1	590	CC	TT	TT	INTERGENIC		
SNP_77713B_716	scaffold4178	NW_004518673.1	716	CC	AA	AA	INTERGENIC		
SNP_77714B_771	scaffold4178	NW_004518673.1	771	AA	GG	GG	INTERGENIC		
SNP_77715B_367	scaffold4182	NW_004518676.1	367	AA	GG	GG	INTERGENIC		
SNP_77716B_7546	scaffold4182	NW_004518676.1	7546	CC	GG	GG	INTERGENIC		
SNP_77717B_7889	scaffold4182	NW_004518676.1	7889	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77718B_7913	scaffold4182	NW_004518676.1	7913	AA	GG	GG	INTERGENIC		
SNP_77719B_7939	scaffold4182	NW_004518676.1	7939	TT	CC	CC	INTERGENIC		
SNP_77720B_7945	scaffold4182	NW_004518676.1	7945	AA	GG	GG	INTERGENIC		
SNP_77721B_8015	scaffold4182	NW_004518676.1	8015	AA	GG	GG	INTERGENIC		
SNP_77722B_8395	scaffold4182	NW_004518676.1	8395	TT	AA	AA	INTERGENIC		
SNP_77723B_8676	scaffold4182	NW_004518676.1	8676	GG	CC	CC	INTERGENIC		
SNP_77724B_9104	scaffold4182	NW_004518676.1	9104	GG	TT	TT	INTERGENIC		
SNP_77725B_9108	scaffold4182	NW_004518676.1	9108	TT	CC	CC	INTERGENIC		
SNP_77726B_9118	scaffold4182	NW_004518676.1	9118	AA	GG	GG	INTERGENIC		
SNP_77727B_9194	scaffold4182	NW_004518676.1	9194	CC	TT	TT	INTERGENIC		
SNP_77728B_9227	scaffold4182	NW_004518676.1	9227	AA	GG	GG	INTERGENIC		
SNP_77729B_22154	scaffold4189	NW_004518681.1	22154	TT	CC	CC	INTERGENIC		
SNP_77730B_22155	scaffold4189	NW_004518681.1	22155	CC	TT	TT	INTERGENIC		
SNP_77731B_22173	scaffold4189	NW_004518681.1	22173	GG	AA	AA	INTERGENIC		
SNP_77732B_22179	scaffold4189	NW_004518681.1	22179	GG	TT	TT	INTERGENIC		
SNP_77733B_22466	scaffold4189	NW_004518681.1	22466	GG	CC	CC	INTERGENIC		
SNP_77734B_41527	scaffold4189	NW_004518681.1	41527	GG	CC	CC	INTERGENIC		
SNP_77735B_41545	scaffold4189	NW_004518681.1	41545	AA	GG	GG	INTERGENIC		
SNP_77736B_41572	scaffold4189	NW_004518681.1	41572	AA	GG	GG	INTERGENIC		
SNP_77737B_2819	scaffold4192	NW_004518683.1	2819	TT	CC	CC	INTERGENIC		
SNP_77738B_2899	scaffold4192	NW_004518683.1	2899	CC	AA	AA	INTERGENIC		
SNP_77739B_3116	scaffold4192	NW_004518683.1	3116	CC	TT	TT	INTERGENIC		
SNP_77740B_3189	scaffold4192	NW_004518683.1	3189	AA	GG	GG	INTERGENIC		
SNP_77741B_3221	scaffold4192	NW_004518683.1	3221	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77742B_3380	scaffold4192	NW_004518683.1	3380	GG	AA	AA	INTERGENIC		
SNP_77743B_3452	scaffold4192	NW_004518683.1	3452	AA	GG	GG	INTERGENIC		
SNP_77744B_3526	scaffold4192	NW_004518683.1	3526	AA	CC	CC	INTERGENIC		
SNP_77745B_3608	scaffold4192	NW_004518683.1	3608	GG	AA	AA	INTERGENIC		
SNP_77746B_3615	scaffold4192	NW_004518683.1	3615	AA	GG	GG	INTERGENIC		
SNP_77747B_3649	scaffold4192	NW_004518683.1	3649	GG	AA	AA	INTERGENIC		
SNP_77749B_3821	scaffold4192	NW_004518683.1	3821	AA	CC	CC	INTERGENIC		
SNP_77750B_4019	scaffold4192	NW_004518683.1	4019	GG	TT	TT	INTERGENIC		
SNP_77751B_4029	scaffold4192	NW_004518683.1	4029	GG	TT	TT	INTERGENIC		
SNP_77752B_4054	scaffold4192	NW_004518683.1	4054	AA	TT	TT	INTERGENIC		
SNP_77753B_4075	scaffold4192	NW_004518683.1	4075	TT	AA	AA	INTERGENIC		
SNP_77754B_4098	scaffold4192	NW_004518683.1	4098	CC	AA	AA	INTERGENIC		
SNP_77755B_4406	scaffold4192	NW_004518683.1	4406	CC	TT	TT	INTERGENIC		
SNP_77756B_4500	scaffold4192	NW_004518683.1	4500	AA	GG	GG	INTERGENIC		
SNP_77757B_4550	scaffold4192	NW_004518683.1	4550	GG	AA	AA	INTERGENIC		
SNP_77758B_4864	scaffold4192	NW_004518683.1	4864	TT	CC	CC	INTERGENIC		
SNP_77759B_15974	scaffold4197	NW_004518687.1	15974	CC	TT	TT	INTERGENIC		
SNP_77760B_16019	scaffold4197	NW_004518687.1	16019	GG	AA	AA	INTERGENIC		
SNP_77761B_16196	scaffold4197	NW_004518687.1	16196	CC	TT	TT	INTERGENIC		
SNP_77763B_16392	scaffold4197	NW_004518687.1	16392	AA	GG	GG	INTERGENIC		
SNP_77764B_16414	scaffold4197	NW_004518687.1	16414	GG	TT	TT	INTERGENIC		
SNP_77765B_16416	scaffold4197	NW_004518687.1	16416	TT	GG	GG	INTERGENIC		
SNP_77766B_16488	scaffold4197	NW_004518687.1	16488	TT	CC	AA	INTERGENIC		
SNP_77767B_181	scaffold4210	NW_004518695.1	181	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77768B_297	scaffold4210	NW_004518695.1	297	AA	CC	CC	INTERGENIC		
SNP_77769B_9176	scaffold4211	NW_004518696.1	9176	TT	CC	CC	URR	101493202	uncharacterized LOC101493202
SNP_77770B_9227	scaffold4211	NW_004518696.1	9227	CC	GG	GG	URR	101493202	uncharacterized LOC101493202
SNP_77771B_9237	scaffold4211	NW_004518696.1	9237	TT	CC	CC	URR	101493202	uncharacterized LOC101493202
SNP_77772B_9249	scaffold4211	NW_004518696.1	9249	AA	GG	GG	URR	101493202	uncharacterized LOC101493202
SNP_77773B_9252	scaffold4211	NW_004518696.1	9252	AA	GG	GG	URR	101493202	uncharacterized LOC101493202
SNP_77774B_9268	scaffold4211	NW_004518696.1	9268	CC	TT	TT	URR	101493202	uncharacterized LOC101493202
SNP_77775B_9498	scaffold4211	NW_004518696.1	9498	GG	CC	CC	URR	101493202	uncharacterized LOC101493202
SNP_77776B_9504	scaffold4211	NW_004518696.1	9504	TT	AA	AA	URR	101493202	uncharacterized LOC101493202
SNP_77777B_9521	scaffold4211	NW_004518696.1	9521	GG	AA	AA	URR	101493202	uncharacterized LOC101493202
SNP_77778B_9522	scaffold4211	NW_004518696.1	9522	CC	AA	AA	URR	101493202	uncharacterized LOC101493202
SNP_77779B_9523	scaffold4211	NW_004518696.1	9523	AA	TT	TT	URR	101493202	uncharacterized LOC101493202
SNP_77780B_9525	scaffold4211	NW_004518696.1	9525	CC	TT	TT	URR	101493202	uncharacterized LOC101493202
SNP_77781B_9533	scaffold4211	NW_004518696.1	9533	TT	CC	CC	URR	101493202	uncharacterized LOC101493202
SNP_77782B_627	scaffold4212	NW_004518697.1	627	CC	GG	GG	INTERGENIC		
SNP_77783B_727	scaffold4212	NW_004518697.1	727	TT	CC	CC	INTERGENIC		
SNP_77784B_2050	scaffold4213	NW_004518698.1	2050	TT	AA	CC	INTERGENIC		
SNP_77785B_2473	scaffold4213	NW_004518698.1	2473	CC	GG	GG	INTERGENIC		
SNP_77787B_5189	scaffold4219	NW_004518701.1	5189	TT	CC	CC	INTERGENIC		
SNP_77788B_64	scaffold4221	NW_004518703.1	64	CC	TT	TT	INTERGENIC		
SNP_77789B_105	scaffold4221	NW_004518703.1	105	GG	AA	AA	INTERGENIC		
SNP_77790B_111	scaffold4221	NW_004518703.1	111	AA	GG	GG	INTERGENIC		
SNP_77791B_116	scaffold4221	NW_004518703.1	116	CC	TT	TT	INTERGENIC		
SNP_77792B_173	scaffold4221	NW_004518703.1	173	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77793B_211	scaffold4221	NW_004518703.1	211	GG	AA	AA	INTERGENIC		
SNP_77794B_282	scaffold4221	NW_004518703.1	282	TT	CC	CC	INTERGENIC		
SNP_77795B_304	scaffold4221	NW_004518703.1	304	TT	GG	GG	INTERGENIC		
SNP_77796B_323	scaffold4221	NW_004518703.1	323	GG	TT	TT	INTERGENIC		
SNP_77797B_345	scaffold4221	NW_004518703.1	345	TT	AA	AA	INTERGENIC		
SNP_77798B_369	scaffold4221	NW_004518703.1	369	GG	AA	AA	INTERGENIC		
SNP_77799B_371	scaffold4221	NW_004518703.1	371	GG	TT	TT	INTERGENIC		
SNP_77801B_530	scaffold4221	NW_004518703.1	530	GG	TT	TT	INTERGENIC		
SNP_77802B_540	scaffold4221	NW_004518703.1	540	CC	GG	GG	INTERGENIC		
SNP_77804B_622	scaffold4221	NW_004518703.1	622	CC	TT	TT	INTERGENIC		
SNP_77805B_644	scaffold4221	NW_004518703.1	644	AA	GG	GG	INTERGENIC		
SNP_77806B_669	scaffold4221	NW_004518703.1	669	TT	GG	GG	INTERGENIC		
SNP_77808B_712	scaffold4221	NW_004518703.1	712	TT	GG	GG	INTERGENIC		
SNP_77809B_748	scaffold4221	NW_004518703.1	748	TT	CC	CC	INTERGENIC		
SNP_77810B_794	scaffold4221	NW_004518703.1	794	CC	TT	TT	INTERGENIC		
SNP_77811B_819	scaffold4221	NW_004518703.1	819	CC	TT	TT	INTERGENIC		
SNP_77812B_870	scaffold4221	NW_004518703.1	870	GG	TT	TT	DRR	101493518	L-type lectin-domain containing receptor kinase IX.1-like
SNP_77813B_885	scaffold4221	NW_004518703.1	885	GG	AA	AA	DRR	101493518	L-type lectin-domain containing receptor kinase IX.1-like
SNP_77814B_994	scaffold4221	NW_004518703.1	994	TT	CC	CC	DRR	101493518	L-type lectin-domain containing receptor kinase IX.1-like
SNP_77815B_997	scaffold4221	NW_004518703.1	997	AA	CC	CC	DRR	101493518	L-type lectin-domain containing receptor kinase IX.1-like
SNP_77816B_1002	scaffold4221	NW_004518703.1	1002	AA	CC	CC	DRR	101493518	L-type lectin-domain containing receptor kinase IX.1-like
SNP_77817B_1054	scaffold4221	NW_004518703.1	1054	AA	GG	GG	DRR	101493518	L-type lectin-domain containing receptor kinase IX.1-like
SNP_77819B_1908	scaffold4221	NW_004518703.1	1908	AA	GG	GG	STOP_LOST	101493518	L-type lectin-domain containing receptor kinase IX.1-like
SNP_77820B_1916	scaffold4221	NW_004518703.1	1916	AA	GG	GG	NON_SYNONYMOUS_CODING	101493518	L-type lectin-domain containing receptor kinase IX.1-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77821B_2024	scaffold4221	NW_004518703.1	2024	AA	GG	GG	NON_SYNONYMOUS_CODING	101493518	L-type lectin-domain containing receptor kinase IX.1-like
SNP_77822B_2053	scaffold4221	NW_004518703.1	2053	AA	GG	GG	SYNONYMOUS_CODING	101493518	L-type lectin-domain containing receptor kinase IX.1-like
SNP_77824B_7774	scaffold4221	NW_004518703.1	7774	AA	GG	GG	INTERGENIC		
SNP_77825B_40684	scaffold4221	NW_004518703.1	40684	AA	CC	CC	INTERGENIC		
SNP_77826B_40851	scaffold4221	NW_004518703.1	40851	GG	AA	AA	INTERGENIC		
SNP_77827B_40926	scaffold4221	NW_004518703.1	40926	GG	AA	AA	INTERGENIC		
SNP_77828B_40996	scaffold4221	NW_004518703.1	40996	AA	GG	GG	INTERGENIC		
SNP_77829B_41019	scaffold4221	NW_004518703.1	41019	AA	GG	GG	INTERGENIC		
SNP_77830B_41198	scaffold4221	NW_004518703.1	41198	GG	TT	TT	INTERGENIC		
SNP_77831B_41214	scaffold4221	NW_004518703.1	41214	CC	GG	GG	INTERGENIC		
SNP_77832B_41317	scaffold4221	NW_004518703.1	41317	AA	GG	GG	INTERGENIC		
SNP_77833B_41513	scaffold4221	NW_004518703.1	41513	TT	AA	AA	INTERGENIC		
SNP_77834B_41521	scaffold4221	NW_004518703.1	41521	AA	CC	CC	INTERGENIC		
SNP_77835B_41570	scaffold4221	NW_004518703.1	41570	TT	GG	GG	INTERGENIC		
SNP_77836B_41722	scaffold4221	NW_004518703.1	41722	TT	CC	CC	INTERGENIC		
SNP_77837B_42540	scaffold4221	NW_004518703.1	42540	CC	AA	AA	INTERGENIC		
SNP_77838B_47093	scaffold4221	NW_004518703.1	47093	TT	AA	AA	INTERGENIC		
SNP_77839B_48094	scaffold4221	NW_004518703.1	48094	CC	TT	TT	INTERGENIC		
SNP_77840B_48114	scaffold4221	NW_004518703.1	48114	CC	TT	TT	INTERGENIC		
SNP_77841B_48187	scaffold4221	NW_004518703.1	48187	TT	GG	GG	INTERGENIC		
SNP_77842B_48196	scaffold4221	NW_004518703.1	48196	CC	TT	TT	INTERGENIC		
SNP_77843B_48199	scaffold4221	NW_004518703.1	48199	TT	CC	CC	INTERGENIC		
SNP_77844B_48212	scaffold4221	NW_004518703.1	48212	AA	GG	GG	INTERGENIC		
SNP_77845B_48233	scaffold4221	NW_004518703.1	48233	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77846B_48291	scaffold4221	NW_004518703.1	48291	CC	TT	TT	INTERGENIC		
SNP_77847B_48439	scaffold4221	NW_004518703.1	48439	GG	AA	AA	INTERGENIC		
SNP_77848B_48473	scaffold4221	NW_004518703.1	48473	TT	CC	CC	INTERGENIC		
SNP_77849B_48560	scaffold4221	NW_004518703.1	48560	AA	GG	GG	INTERGENIC		
SNP_77850B_53317	scaffold4221	NW_004518703.1	53317	CC	AA	AA	INTERGENIC		
SNP_77851B_53374	scaffold4221	NW_004518703.1	53374	TT	CC	CC	INTERGENIC		
SNP_77852B_53441	scaffold4221	NW_004518703.1	53441	CC	AA	AA	INTERGENIC		
SNP_77853B_53448	scaffold4221	NW_004518703.1	53448	TT	CC	CC	INTERGENIC		
SNP_77854B_53474	scaffold4221	NW_004518703.1	53474	AA	GG	GG	INTERGENIC		
SNP_77855B_53479	scaffold4221	NW_004518703.1	53479	AA	GG	GG	INTERGENIC		
SNP_77856B_53772	scaffold4221	NW_004518703.1	53772	GG	AA	AA	INTERGENIC		
SNP_77857B_53780	scaffold4221	NW_004518703.1	53780	CC	GG	GG	INTERGENIC		
SNP_77858B_53861	scaffold4221	NW_004518703.1	53861	GG	TT	TT	INTERGENIC		
SNP_77859B_53868	scaffold4221	NW_004518703.1	53868	AA	TT	TT	INTERGENIC		
SNP_77860B_54164	scaffold4221	NW_004518703.1	54164	CC	TT	TT	INTERGENIC		
SNP_77861B_54256	scaffold4221	NW_004518703.1	54256	TT	GG	GG	INTERGENIC		
SNP_77862B_54387	scaffold4221	NW_004518703.1	54387	TT	CC	CC	INTERGENIC		
SNP_77863B_54499	scaffold4221	NW_004518703.1	54499	AA	GG	GG	INTERGENIC		
SNP_77865B_54867	scaffold4221	NW_004518703.1	54867	TT	CC	CC	INTERGENIC		
SNP_77866B_54899	scaffold4221	NW_004518703.1	54899	CC	AA	AA	INTERGENIC		
SNP_77867B_54900	scaffold4221	NW_004518703.1	54900	AA	TT	TT	INTERGENIC		
SNP_77868B_55361	scaffold4221	NW_004518703.1	55361	TT	GG	GG	INTERGENIC		
SNP_77869B_66789	scaffold4221	NW_004518703.1	66789	CC	TT	TT	INTERGENIC		
SNP_77870B_7278	scaffold4225	NW_004518706.1	7278	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77871B_7578	scaffold4225	NW_004518706.1	7578	GG	AA	AA	INTERGENIC		
SNP_77872B_14346	scaffold4225	NW_004518706.1	14346	AA	TT	TT	INTERGENIC		
SNP_77873B_14740	scaffold4225	NW_004518706.1	14740	AA	CC	CC	INTERGENIC		
SNP_77874B_8182	scaffold4236	NW_004518713.1	8182	GG	AA	AA	INTERGENIC		
SNP_77875B_8195	scaffold4236	NW_004518713.1	8195	TT	CC	CC	INTERGENIC		
SNP_77876B_8221	scaffold4236	NW_004518713.1	8221	AA	TT	TT	INTERGENIC		
SNP_77877B_8235	scaffold4236	NW_004518713.1	8235	TT	CC	CC	INTERGENIC		
SNP_77878B_8259	scaffold4236	NW_004518713.1	8259	AA	TT	TT	INTERGENIC		
SNP_77879B_8421	scaffold4236	NW_004518713.1	8421	GG	CC	CC	INTERGENIC		
SNP_77880B_8443	scaffold4236	NW_004518713.1	8443	GG	CC	CC	INTERGENIC		
SNP_77881B_8485	scaffold4236	NW_004518713.1	8485	CC	TT	TT	INTERGENIC		
SNP_77882B_8489	scaffold4236	NW_004518713.1	8489	CC	TT	TT	INTERGENIC		
SNP_77883B_8519	scaffold4236	NW_004518713.1	8519	TT	CC	CC	INTERGENIC		
SNP_77884B_8782	scaffold4236	NW_004518713.1	8782	CC	TT	TT	INTERGENIC		
SNP_77885B_886	scaffold4238	NW_004518715.1	886	CC	AA	AA	INTERGENIC		
SNP_77886B_1640	scaffold4241	NW_004518717.1	1640	GG	CC	CC	INTERGENIC		
SNP_77887B_1672	scaffold4241	NW_004518717.1	1672	GG	TT	TT	INTERGENIC		
SNP_77888B_558	scaffold4243	NW_004518718.1	558	TT	AA	AA	INTERGENIC		
SNP_77889B_912	scaffold4243	NW_004518718.1	912	GG	AA	AA	INTERGENIC		
SNP_77890B_1028	scaffold4243	NW_004518718.1	1028	CC	AA	AA	INTERGENIC		
SNP_77892B_1265	scaffold4243	NW_004518718.1	1265	GG	AA	AA	INTERGENIC		
SNP_77893B_1341	scaffold4243	NW_004518718.1	1341	TT	AA	AA	INTERGENIC		
SNP_77894B_1550	scaffold4243	NW_004518718.1	1550	TT	CC	CC	INTERGENIC		
SNP_77895B_1581	scaffold4243	NW_004518718.1	1581	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77896B_5805	scaffold4243	NW_004518718.1	5805	TT	AA	AA	INTERGENIC		
SNP_77897B_7180	scaffold4243	NW_004518718.1	7180	TT	CC	CC	INTERGENIC		
SNP_77898B_7467	scaffold4243	NW_004518718.1	7467	CC	TT	TT	INTERGENIC		
SNP_77899B_7548	scaffold4243	NW_004518718.1	7548	TT	CC	CC	INTERGENIC		
SNP_77900B_7552	scaffold4243	NW_004518718.1	7552	GG	AA	AA	INTERGENIC		
SNP_77901B_7606	scaffold4243	NW_004518718.1	7606	GG	AA	AA	INTERGENIC		
SNP_77902B_14521	scaffold4243	NW_004518718.1	14521	TT	GG	GG	INTERGENIC		
SNP_77903B_14559	scaffold4243	NW_004518718.1	14559	TT	CC	CC	INTERGENIC		
SNP_77904B_14585	scaffold4243	NW_004518718.1	14585	AA	CC	CC	INTERGENIC		
SNP_77906B_16090	scaffold4243	NW_004518718.1	16090	GG	AA	AA	INTERGENIC		
SNP_77907B_16658	scaffold4243	NW_004518718.1	16658	AA	TT	TT	INTERGENIC		
SNP_77908B_16719	scaffold4243	NW_004518718.1	16719	TT	GG	GG	INTERGENIC		
SNP_77909B_16998	scaffold4243	NW_004518718.1	16998	GG	TT	TT	INTERGENIC		
SNP_77910B_17066	scaffold4243	NW_004518718.1	17066	AA	GG	GG	INTERGENIC		
SNP_77911B_17082	scaffold4243	NW_004518718.1	17082	TT	AA	AA	INTERGENIC		
SNP_77912B_17095	scaffold4243	NW_004518718.1	17095	CC	TT	TT	INTERGENIC		
SNP_77913B_17295	scaffold4243	NW_004518718.1	17295	AA	CC	CC	INTERGENIC		
SNP_77914B_17671	scaffold4243	NW_004518718.1	17671	TT	AA	AA	INTERGENIC		
SNP_77916B_17724	scaffold4243	NW_004518718.1	17724	CC	TT	TT	INTERGENIC		
SNP_77917B_17743	scaffold4243	NW_004518718.1	17743	GG	CC	CC	INTERGENIC		
SNP_77918B_17831	scaffold4243	NW_004518718.1	17831	TT	CC	CC	INTERGENIC		
SNP_77919B_17884	scaffold4243	NW_004518718.1	17884	TT	CC	CC	INTERGENIC		
SNP_77920B_17894	scaffold4243	NW_004518718.1	17894	TT	GG	GG	INTERGENIC		
SNP_77921B_18010	scaffold4243	NW_004518718.1	18010	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77922B_23385	scaffold4243	NW_004518718.1	23385	TT	AA	AA	INTERGENIC		
SNP_77923B_23439	scaffold4243	NW_004518718.1	23439	GG	AA	AA	INTERGENIC		
SNP_77924B_23450	scaffold4243	NW_004518718.1	23450	CC	TT	TT	INTERGENIC		
SNP_77925B_23586	scaffold4243	NW_004518718.1	23586	TT	CC	CC	INTERGENIC		
SNP_77926B_23671	scaffold4243	NW_004518718.1	23671	GG	TT	TT	INTERGENIC		
SNP_77927B_23693	scaffold4243	NW_004518718.1	23693	AA	CC	CC	INTERGENIC		
SNP_77928B_23742	scaffold4243	NW_004518718.1	23742	TT	CC	CC	INTERGENIC		
SNP_77929B_23750	scaffold4243	NW_004518718.1	23750	AA	GG	GG	INTERGENIC		
SNP_77930B_26781	scaffold4243	NW_004518718.1	26781	GG	TT	TT	INTERGENIC		
SNP_77931B_454	scaffold4247	NW_004518721.1	454	GG	AA	AA	INTERGENIC		
SNP_77932B_614	scaffold4247	NW_004518721.1	614	AA	CC	CC	INTERGENIC		
SNP_77933B_671	scaffold4247	NW_004518721.1	671	GG	AA	AA	INTERGENIC		
SNP_77934B_932	scaffold4247	NW_004518721.1	932	CC	TT	TT	INTERGENIC		
SNP_77935B_1025	scaffold4248	NW_004518722.1	1025	TT	CC	CC	INTERGENIC		
SNP_77936B_494	scaffold4251	NW_004518724.1	494	AA	GG	GG	INTERGENIC		
SNP_77937B_626	scaffold4251	NW_004518724.1	626	TT	CC	CC	INTERGENIC		
SNP_77938B_740	scaffold4251	NW_004518724.1	740	GG	AA	AA	INTERGENIC		
SNP_77939B_3682	scaffold4255	NW_004518727.1	3682	AA	TT	TT	INTERGENIC		
SNP_77940B_4022	scaffold4255	NW_004518727.1	4022	TT	GG	GG	INTERGENIC		
SNP_77941B_4287	scaffold4255	NW_004518727.1	4287	GG	TT	TT	INTERGENIC		
SNP_77942B_4643	scaffold4255	NW_004518727.1	4643	TT	AA	AA	INTERGENIC		
SNP_77943B_4864	scaffold4255	NW_004518727.1	4864	GG	AA	AA	INTERGENIC		
SNP_77944B_4946	scaffold4255	NW_004518727.1	4946	GG	AA	AA	INTERGENIC		
SNP_77945B_5137	scaffold4255	NW_004518727.1	5137	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77946B_5202	scaffold4255	NW_004518727.1	5202	CC	AA	AA	INTERGENIC		
SNP_77947B_5588	scaffold4255	NW_004518727.1	5588	TT	CC	CC	INTERGENIC		
SNP_77948B_5953	scaffold4255	NW_004518727.1	5953	GG	AA	AA	INTERGENIC		
SNP_77949B_5964	scaffold4255	NW_004518727.1	5964	TT	AA	AA	INTERGENIC		
SNP_77950B_2039	scaffold4256	NW_004518728.1	2039	CC	GG	GG	INTERGENIC		
SNP_77951B_3117	scaffold4256	NW_004518728.1	3117	AA	CC	CC	INTERGENIC		
SNP_77952B_3165	scaffold4256	NW_004518728.1	3165	AA	GG	GG	INTERGENIC		
SNP_77953B_4790	scaffold4257	NW_004518729.1	4790	TT	GG	GG	INTERGENIC		
SNP_77954B_4816	scaffold4257	NW_004518729.1	4816	AA	GG	GG	INTERGENIC		
SNP_77955B_719	scaffold4259	NW_004518730.1	719	TT	CC	CC	INTERGENIC		
SNP_77956B_969	scaffold4259	NW_004518730.1	969	TT	CC	CC	INTERGENIC		
SNP_77957B_7561	scaffold4260	NW_004518731.1	7561	TT	AA	AA	INTERGENIC		
SNP_77958B_7562	scaffold4260	NW_004518731.1	7562	CC	AA	AA	INTERGENIC		
SNP_77959B_7578	scaffold4260	NW_004518731.1	7578	AA	GG	GG	INTERGENIC		
SNP_77960B_7584	scaffold4260	NW_004518731.1	7584	TT	CC	CC	INTERGENIC		
SNP_77961B_10246	scaffold4260	NW_004518731.1	10246	CC	TT	TT	INTERGENIC		
SNP_77962B_10255	scaffold4260	NW_004518731.1	10255	TT	AA	AA	INTERGENIC		
SNP_77963B_10363	scaffold4260	NW_004518731.1	10363	TT	CC	CC	INTERGENIC		
SNP_77964B_10405	scaffold4260	NW_004518731.1	10405	CC	AA	AA	INTERGENIC		
SNP_77965B_101	scaffold4263	NW_004518733.1	101	TT	CC	CC	INTERGENIC		
SNP_77967B_4333	scaffold4263	NW_004518733.1	4333	AA	GG	GG	INTERGENIC		
SNP_77968B_4351	scaffold4263	NW_004518733.1	4351	CC	TT	TT	INTERGENIC		
SNP_77969B_4377	scaffold4263	NW_004518733.1	4377	CC	AA	AA	INTERGENIC		
SNP_77970B_4378	scaffold4263	NW_004518733.1	4378	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77971B_4380	scaffold4263	NW_004518733.1	4380	GG	TT	TT	INTERGENIC		
SNP_77972B_4746	scaffold4263	NW_004518733.1	4746	AA	CC	CC	INTERGENIC		
SNP_77973B_4760	scaffold4263	NW_004518733.1	4760	CC	AA	AA	INTERGENIC		
SNP_77974B_4761	scaffold4263	NW_004518733.1	4761	GG	TT	TT	INTERGENIC		
SNP_77975B_4774	scaffold4263	NW_004518733.1	4774	GG	AA	AA	INTERGENIC		
SNP_77976B_4779	scaffold4263	NW_004518733.1	4779	GG	AA	AA	INTERGENIC		
SNP_77977B_4901	scaffold4263	NW_004518733.1	4901	AA	CC	CC	INTERGENIC		
SNP_77978B_4902	scaffold4263	NW_004518733.1	4902	CC	AA	AA	INTERGENIC		
SNP_77979B_368	scaffold4265	NW_004518734.1	368	TT	GG	GG	INTERGENIC		
SNP_77980B_7122	scaffold4265	NW_004518734.1	7122	CC	AA	AA	INTERGENIC		
SNP_77981B_7574	scaffold4265	NW_004518734.1	7574	GG	AA	AA	INTERGENIC		
SNP_77982B_7599	scaffold4265	NW_004518734.1	7599	AA	GG	GG	INTERGENIC		
SNP_77983B_11711	scaffold4269	NW_004518736.1	11711	GG	CC	CC	INTERGENIC		
SNP_77984B_22485	scaffold4269	NW_004518736.1	22485	AA	CC	CC	INTERGENIC		
SNP_77985B_22488	scaffold4269	NW_004518736.1	22488	GG	AA	AA	INTERGENIC		
SNP_77986B_22707	scaffold4269	NW_004518736.1	22707	CC	TT	TT	INTERGENIC		
SNP_77987B_9186	scaffold4277	NW_004518741.1	9186	TT	CC	CC	INTERGENIC		
SNP_77988B_9434	scaffold4277	NW_004518741.1	9434	CC	GG	GG	INTERGENIC		
SNP_77989B_9440	scaffold4277	NW_004518741.1	9440	AA	CC	CC	INTERGENIC		
SNP_77990B_9445	scaffold4277	NW_004518741.1	9445	AA	CC	CC	INTERGENIC		
SNP_77991B_18534	scaffold4277	NW_004518741.1	18534	AA	CC	CC	INTERGENIC		
SNP_77992B_18639	scaffold4277	NW_004518741.1	18639	TT	CC	CC	INTERGENIC		
SNP_77993B_2468	scaffold4279	NW_004518742.1	2468	TT	CC	CC	INTERGENIC		
SNP_77994B_538	scaffold4287	NW_004518747.1	538	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_77995B_5136	scaffold4287	NW_004518747.1	5136	CC	AA	AA	URR	101410595	transfer RNA tryptophan (anticodon CCA)
SNP_77996B_5446	scaffold4291	NW_004518751.1	5446	TT	CC	CC	INTERGENIC		
SNP_77997B_5465	scaffold4291	NW_004518751.1	5465	AA	TT	TT	INTERGENIC		
SNP_77998B_2650	scaffold4293	NW_004518753.1	2650	AA	TT	TT	INTERGENIC		
SNP_77999B_1898	scaffold4294	NW_004518754.1	1898	CC	TT	TT	INTERGENIC		
SNP_78000B_2061	scaffold4296	NW_004518756.1	2061	GG	CC	CC	INTERGENIC		
SNP_78001B_2066	scaffold4296	NW_004518756.1	2066	AA	CC	CC	INTERGENIC		
SNP_78002B_2072	scaffold4296	NW_004518756.1	2072	AA	GG	GG	INTERGENIC		
SNP_78003B_2081	scaffold4296	NW_004518756.1	2081	TT	CC	CC	INTERGENIC		
SNP_78004B_2094	scaffold4296	NW_004518756.1	2094	GG	AA	AA	INTERGENIC		
SNP_78005B_2096	scaffold4296	NW_004518756.1	2096	AA	GG	GG	INTERGENIC		
SNP_78006B_2149	scaffold4296	NW_004518756.1	2149	TT	AA	AA	INTERGENIC		
SNP_78007B_2160	scaffold4296	NW_004518756.1	2160	CC	TT	TT	INTERGENIC		
SNP_78008B_2180	scaffold4296	NW_004518756.1	2180	AA	GG	GG	INTERGENIC		
SNP_78009B_2328	scaffold4296	NW_004518756.1	2328	AA	CC	CC	INTERGENIC		
SNP_78010B_2437	scaffold4296	NW_004518756.1	2437	TT	AA	AA	INTERGENIC		
SNP_78011B_158	scaffold4300	NW_004518758.1	158	TT	GG	GG	INTERGENIC		
SNP_78012B_261	scaffold4300	NW_004518758.1	261	TT	CC	CC	INTERGENIC		
SNP_78013B_476	scaffold4300	NW_004518758.1	476	TT	GG	GG	INTERGENIC		
SNP_78014B_483	scaffold4300	NW_004518758.1	483	TT	CC	CC	INTERGENIC		
SNP_78015B_1058	scaffold4300	NW_004518758.1	1058	TT	CC	CC	INTERGENIC		
SNP_78017B_5472	scaffold4316	NW_004518765.1	5472	GG	TT	TT	INTERGENIC		
SNP_78018B_5474	scaffold4316	NW_004518765.1	5474	AA	CC	CC	INTERGENIC		
SNP_78019B_943	scaffold4319	NW_004518767.1	943	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78020B_968	scaffold4319	NW_004518767.1	968	GG	AA	AA	INTERGENIC		
SNP_78021B_970	scaffold4319	NW_004518767.1	970	CC	TT	TT	INTERGENIC		
SNP_78023B_1105	scaffold4319	NW_004518767.1	1105	AA	CC	CC	INTERGENIC		
SNP_78026B_859	scaffold4330	NW_004518777.1	859	CC	GG	GG	INTERGENIC		
SNP_78027B_865	scaffold4330	NW_004518777.1	865	AA	GG	GG	INTERGENIC		
SNP_78028B_884	scaffold4330	NW_004518777.1	884	TT	CC	CC	INTERGENIC		
SNP_78029B_906	scaffold4330	NW_004518777.1	906	TT	AA	AA	INTERGENIC		
SNP_78030B_957	scaffold4330	NW_004518777.1	957	TT	CC	CC	INTERGENIC		
SNP_78031B_1637	scaffold4331	NW_004518778.1	1637	GG	TT	TT	URR	101495658	uncharacterized LOC101495658
SNP_78033B_43	scaffold4333	NW_004518779.1	43	AA	TT	TT	INTERGENIC		
SNP_78034B_69	scaffold4333	NW_004518779.1	69	GG	TT	TT	INTERGENIC		
SNP_78035B_80	scaffold4333	NW_004518779.1	80	GG	AA	AA	INTERGENIC		
SNP_78036B_2524	scaffold4335	NW_004518781.1	2524	GG	TT	TT	INTERGENIC		
SNP_78037B_2533	scaffold4335	NW_004518781.1	2533	AA	TT	TT	INTERGENIC		
SNP_78038B_2770	scaffold4335	NW_004518781.1	2770	TT	GG	GG	INTERGENIC		
SNP_78040B_484	scaffold4348	NW_004518787.1	484	AA	TT	TT	INTERGENIC		
SNP_78041B_821	scaffold4348	NW_004518787.1	821	TT	AA	AA	INTERGENIC		
SNP_78042B_822	scaffold4348	NW_004518787.1	822	TT	CC	CC	INTERGENIC		
SNP_78043B_1169	scaffold4348	NW_004518787.1	1169	TT	CC	CC	INTERGENIC		
SNP_78044B_2167	scaffold4348	NW_004518787.1	2167	AA	TT	TT	INTERGENIC		
SNP_78045B_2175	scaffold4348	NW_004518787.1	2175	TT	CC	CC	INTERGENIC		
SNP_78046B_1733	scaffold4349	NW_004518788.1	1733	AA	TT	TT	INTERGENIC		
SNP_78047B_1764	scaffold4349	NW_004518788.1	1764	GG	TT	TT	INTERGENIC		
SNP_78049B_246	scaffold4354	NW_004518791.1	246	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78050B_410	scaffold4354	NW_004518791.1	410	CC	AA	AA	INTERGENIC		
SNP_78051B_1035	scaffold4357	NW_004518793.1	1035	CC	TT	TT	INTERGENIC		
SNP_78053B_3186	scaffold4366	NW_004518798.1	3186	CC	AA	AA	INTERGENIC		
SNP_78054B_388	scaffold4367	NW_004518799.1	388	AA	GG	GG	INTERGENIC		
SNP_78055B_921	scaffold4367	NW_004518799.1	921	GG	TT	TT	INTERGENIC		
SNP_78056B_951	scaffold4367	NW_004518799.1	951	TT	AA	AA	INTERGENIC		
SNP_78057B_6243	scaffold4367	NW_004518799.1	6243	GG	AA	AA	INTERGENIC		
SNP_78058B_6321	scaffold4367	NW_004518799.1	6321	CC	GG	GG	INTERGENIC		
SNP_78059B_6970	scaffold4367	NW_004518799.1	6970	TT	AA	AA	INTERGENIC		
SNP_78060B_7873	scaffold4367	NW_004518799.1	7873	TT	GG	GG	INTERGENIC		
SNP_78061B_7995	scaffold4367	NW_004518799.1	7995	CC	AA	AA	INTERGENIC		
SNP_78062B_8163	scaffold4367	NW_004518799.1	8163	TT	GG	GG	INTERGENIC		
SNP_78063B_8640	scaffold4367	NW_004518799.1	8640	AA	GG	GG	INTERGENIC		
SNP_78064B_9226	scaffold4367	NW_004518799.1	9226	TT	AA	AA	INTERGENIC		
SNP_78065B_9264	scaffold4367	NW_004518799.1	9264	AA	CC	CC	INTERGENIC		
SNP_78066B_9777	scaffold4367	NW_004518799.1	9777	CC	AA	AA	INTERGENIC		
SNP_78067B_11260	scaffold4367	NW_004518799.1	11260	CC	TT	TT	INTERGENIC		
SNP_78068B_11351	scaffold4367	NW_004518799.1	11351	GG	AA	AA	INTERGENIC		
SNP_78069B_11386	scaffold4367	NW_004518799.1	11386	GG	TT	TT	INTERGENIC		
SNP_78070B_11590	scaffold4367	NW_004518799.1	11590	CC	TT	TT	INTERGENIC		
SNP_78071B_12561	scaffold4367	NW_004518799.1	12561	CC	GG	GG	INTERGENIC		
SNP_78072B_16139	scaffold4367	NW_004518799.1	16139	TT	GG	GG	INTERGENIC		
SNP_78073B_23477	scaffold4367	NW_004518799.1	23477	CC	AA	AA	INTERGENIC		
SNP_78074B_29809	scaffold4367	NW_004518799.1	29809	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78075B_30803	scaffold4367	NW_004518799.1	30803	TT	GG	GG	INTERGENIC		
SNP_78076B_30841	scaffold4367	NW_004518799.1	30841	CC	AA	AA	INTERGENIC		
SNP_78077B_30842	scaffold4367	NW_004518799.1	30842	AA	TT	TT	INTERGENIC		
SNP_78078B_30849	scaffold4367	NW_004518799.1	30849	CC	TT	TT	INTERGENIC		
SNP_78079B_31124	scaffold4367	NW_004518799.1	31124	GG	AA	AA	INTERGENIC		
SNP_78080B_1111	scaffold4371	NW_004518801.1	1111	GG	TT	TT	INTERGENIC		
SNP_78081B_69	scaffold4374	NW_004518804.1	69	CC	AA	AA	INTERGENIC		
SNP_78082B_386	scaffold4374	NW_004518804.1	386	CC	AA	AA	INTERGENIC		
SNP_78083B_405	scaffold4374	NW_004518804.1	405	TT	CC	CC	INTERGENIC		
SNP_78084B_424	scaffold4374	NW_004518804.1	424	TT	CC	CC	INTERGENIC		
SNP_78085B_587	scaffold4374	NW_004518804.1	587	AA	GG	GG	INTERGENIC		
SNP_78086B_713	scaffold4374	NW_004518804.1	713	AA	CC	CC	INTERGENIC		
SNP_78087B_772	scaffold4374	NW_004518804.1	772	TT	CC	CC	INTERGENIC		
SNP_78088B_808	scaffold4374	NW_004518804.1	808	CC	TT	TT	INTERGENIC		
SNP_78089B_993	scaffold4374	NW_004518804.1	993	CC	AA	AA	INTERGENIC		
SNP_78090B_1000	scaffold4374	NW_004518804.1	1000	CC	AA	AA	INTERGENIC		
SNP_78091B_1007	scaffold4374	NW_004518804.1	1007	CC	AA	AA	INTERGENIC		
SNP_78092B_1137	scaffold4374	NW_004518804.1	1137	AA	CC	CC	INTERGENIC		
SNP_78094B_1947	scaffold4374	NW_004518804.1	1947	TT	CC	CC	INTERGENIC		
SNP_78096B_27275	scaffold4377	NW_004518806.1	27275	GG	TT	TT	INTERGENIC		
SNP_78097B_33731	scaffold4377	NW_004518806.1	33731	TT	AA	AA	INTERGENIC		
SNP_78098B_33735	scaffold4377	NW_004518806.1	33735	GG	AA	AA	INTERGENIC		
SNP_78099B_33802	scaffold4377	NW_004518806.1	33802	GG	CC	CC	INTERGENIC		
SNP_78100B_34019	scaffold4377	NW_004518806.1	34019	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78101B_46804	scaffold4377	NW_004518806.1	46804	GG	TT	TT	INTERGENIC		
SNP_78102B_47106	scaffold4377	NW_004518806.1	47106	TT	AA	AA	INTERGENIC		
SNP_78103B_47190	scaffold4377	NW_004518806.1	47190	CC	TT	TT	INTERGENIC		
SNP_78104B_48233	scaffold4377	NW_004518806.1	48233	TT	CC	CC	INTERGENIC		
SNP_78105B_48332	scaffold4377	NW_004518806.1	48332	AA	CC	CC	INTERGENIC		
SNP_78106B_48601	scaffold4377	NW_004518806.1	48601	TT	GG	GG	INTERGENIC		
SNP_78107B_50990	scaffold4377	NW_004518806.1	50990	TT	AA	AA	INTERGENIC		
SNP_78108B_19461	scaffold4379	NW_004518807.1	19461	GG	AA	AA	INTERGENIC		
SNP_78109B_23278	scaffold4379	NW_004518807.1	23278	GG	TT	TT	INTERGENIC		
SNP_78110B_23279	scaffold4379	NW_004518807.1	23279	TT	AA	AA	INTERGENIC		
SNP_78111B_22613	scaffold4383	NW_004518810.1	22613	TT	CC	CC	INTERGENIC		
SNP_78112B_22843	scaffold4383	NW_004518810.1	22843	AA	GG	GG	INTERGENIC		
SNP_78113B_22882	scaffold4383	NW_004518810.1	22882	AA	GG	GG	INTERGENIC		
SNP_78114B_22889	scaffold4383	NW_004518810.1	22889	AA	GG	GG	INTERGENIC		
SNP_78115B_24861	scaffold4383	NW_004518810.1	24861	AA	TT	TT	INTERGENIC		
SNP_78116B_24863	scaffold4383	NW_004518810.1	24863	GG	CC	CC	INTERGENIC		
SNP_78117B_24877	scaffold4383	NW_004518810.1	24877	CC	TT	TT	INTERGENIC		
SNP_78118B_24884	scaffold4383	NW_004518810.1	24884	TT	GG	GG	INTERGENIC		
SNP_78119B_24971	scaffold4383	NW_004518810.1	24971	CC	TT	TT	INTERGENIC		
SNP_78120B_25276	scaffold4383	NW_004518810.1	25276	CC	AA	AA	INTERGENIC		
SNP_78121B_25295	scaffold4383	NW_004518810.1	25295	GG	TT	TT	INTERGENIC		
SNP_78122B_25301	scaffold4383	NW_004518810.1	25301	TT	CC	CC	INTERGENIC		
SNP_78124B_885	scaffold4385	NW_004518811.1	885	CC	AA	AA	INTERGENIC		
SNP_78125B_6419	scaffold4385	NW_004518811.1	6419	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78126B_6442	scaffold4385	NW_004518811.1	6442	TT	CC	CC	INTERGENIC		
SNP_78127B_6478	scaffold4385	NW_004518811.1	6478	AA	GG	GG	INTERGENIC		
SNP_78128B_6479	scaffold4385	NW_004518811.1	6479	AA	GG	GG	INTERGENIC		
SNP_78129B_7669	scaffold4385	NW_004518811.1	7669	TT	CC	CC	INTERGENIC		
SNP_78130B_7735	scaffold4385	NW_004518811.1	7735	TT	AA	AA	INTERGENIC		
SNP_78131B_622	scaffold4387	NW_004518813.1	622	TT	AA	AA	INTERGENIC		
SNP_78132B_699	scaffold4387	NW_004518813.1	699	TT	CC	CC	INTERGENIC		
SNP_78133B_807	scaffold4387	NW_004518813.1	807	AA	TT	TT	INTERGENIC		
SNP_78134B_5232	scaffold4387	NW_004518813.1	5232	TT	CC	CC	DRR	101496427	AP-3 complex subunit delta-like
SNP_78135B_5407	scaffold4387	NW_004518813.1	5407	TT	GG	GG	DRR	101496427	AP-3 complex subunit delta-like
SNP_78136B_5452	scaffold4387	NW_004518813.1	5452	AA	TT	TT	DRR	101496427	AP-3 complex subunit delta-like
SNP_78137B_5476	scaffold4387	NW_004518813.1	5476	AA	TT	TT	DRR	101496427	AP-3 complex subunit delta-like
SNP_78138B_5483	scaffold4387	NW_004518813.1	5483	AA	TT	TT	DRR	101496427	AP-3 complex subunit delta-like
SNP_78139B_5538	scaffold4387	NW_004518813.1	5538	TT	CC	CC	DRR	101496427	AP-3 complex subunit delta-like
SNP_78140B_5560	scaffold4387	NW_004518813.1	5560	TT	CC	CC	DRR	101496427	AP-3 complex subunit delta-like
SNP_78141B_5570	scaffold4387	NW_004518813.1	5570	GG	AA	AA	DRR	101496427	AP-3 complex subunit delta-like
SNP_78142B_5595	scaffold4387	NW_004518813.1	5595	CC	TT	TT	DRR	101496427	AP-3 complex subunit delta-like
SNP_78144B_5886	scaffold4387	NW_004518813.1	5886	CC	GG	GG	NON_SYNONYMOUS_CODING	101496427	AP-3 complex subunit delta-like
SNP_78145B_5944	scaffold4387	NW_004518813.1	5944	GG	TT	TT	STOP_LOST	101496427	AP-3 complex subunit delta-like
SNP_78146B_6583	scaffold4387	NW_004518813.1	6583	CC	TT	TT	URR	101496427	AP-3 complex subunit delta-like
SNP_78147B_400	scaffold4388	NW_004518814.1	400	AA	CC	CC	INTERGENIC		
SNP_78148B_404	scaffold4388	NW_004518814.1	404	AA	CC	CC	INTERGENIC		
SNP_78149B_414	scaffold4388	NW_004518814.1	414	TT	GG	GG	INTERGENIC		
SNP_78150B_422	scaffold4388	NW_004518814.1	422	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78151B_500	scaffold4388	NW_004518814.1	500	CC	TT	TT	INTERGENIC		
SNP_78152B_521	scaffold4388	NW_004518814.1	521	TT	CC	CC	INTERGENIC		
SNP_78153B_543	scaffold4388	NW_004518814.1	543	TT	GG	GG	INTERGENIC		
SNP_78154B_180	scaffold4398	NW_004518821.1	180	TT	CC	CC	INTERGENIC		
SNP_78155B_283	scaffold4398	NW_004518821.1	283	GG	CC	CC	INTERGENIC		
SNP_78158B_192	scaffold4402	NW_004518823.1	192	CC	TT	TT	INTERGENIC		
SNP_78159B_198	scaffold4402	NW_004518823.1	198	AA	GG	GG	INTERGENIC		
SNP_78160B_264	scaffold4402	NW_004518823.1	264	CC	TT	TT	INTERGENIC		
SNP_78161B_402	scaffold4402	NW_004518823.1	402	AA	GG	GG	INTERGENIC		
SNP_78162B_403	scaffold4402	NW_004518823.1	403	GG	TT	TT	INTERGENIC		
SNP_78163B_448	scaffold4402	NW_004518823.1	448	GG	AA	AA	INTERGENIC		
SNP_78164B_454	scaffold4402	NW_004518823.1	454	CC	TT	TT	INTERGENIC		
SNP_78165B_461	scaffold4402	NW_004518823.1	461	CC	TT	TT	INTERGENIC		
SNP_78166B_64	scaffold4404	NW_004518824.1	64	AA	TT	TT	INTERGENIC		
SNP_78167B_69	scaffold4404	NW_004518824.1	69	TT	AA	AA	INTERGENIC		
SNP_78168B_321	scaffold4405	NW_004518825.1	321	CC	TT	TT	INTERGENIC		
SNP_78169B_523	scaffold4414	NW_004518829.1	523	AA	CC	CC	INTERGENIC		
SNP_78170B_563	scaffold4417	NW_004518832.1	563	TT	CC	CC	INTERGENIC		
SNP_78171B_852	scaffold4417	NW_004518832.1	852	GG	AA	AA	INTERGENIC		
SNP_78172B_881	scaffold4417	NW_004518832.1	881	TT	AA	AA	INTERGENIC		
SNP_78173B_1124	scaffold4417	NW_004518832.1	1124	CC	TT	TT	INTERGENIC		
SNP_78174B_1133	scaffold4417	NW_004518832.1	1133	TT	CC	CC	INTERGENIC		
SNP_78175B_1139	scaffold4417	NW_004518832.1	1139	GG	CC	CC	INTERGENIC		
SNP_78176B_1151	scaffold4417	NW_004518832.1	1151	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78178B_931	scaffold4426	NW_004518837.1	931	GG	CC	CC	INTERGENIC		
SNP_78179B_953	scaffold4426	NW_004518837.1	953	TT	AA	AA	INTERGENIC		
SNP_78180B_962	scaffold4426	NW_004518837.1	962	GG	TT	TT	INTERGENIC		
SNP_78181B_981	scaffold4426	NW_004518837.1	981	TT	GG	GG	INTERGENIC		
SNP_78182B_994	scaffold4426	NW_004518837.1	994	GG	AA	AA	INTERGENIC		
SNP_78183B_405	scaffold4427	NW_004518838.1	405	AA	TT	TT	INTERGENIC		
SNP_78184B_413	scaffold4427	NW_004518838.1	413	GG	CC	CC	INTERGENIC		
SNP_78185B_658	scaffold4427	NW_004518838.1	658	AA	TT	TT	INTERGENIC		
SNP_78186B_2699	scaffold4436	NW_004518843.1	2699	CC	GG	GG	INTERGENIC		
SNP_78187B_3488	scaffold4436	NW_004518843.1	3488	AA	TT	TT	INTERGENIC		
SNP_78188B_3491	scaffold4436	NW_004518843.1	3491	TT	GG	GG	INTERGENIC		
SNP_78189B_3517	scaffold4436	NW_004518843.1	3517	AA	CC	CC	INTERGENIC		
SNP_78190B_3573	scaffold4436	NW_004518843.1	3573	AA	TT	TT	INTERGENIC		
SNP_78191B_3598	scaffold4436	NW_004518843.1	3598	GG	AA	AA	INTERGENIC		
SNP_78192B_3602	scaffold4436	NW_004518843.1	3602	TT	AA	AA	INTERGENIC		
SNP_78193B_3606	scaffold4436	NW_004518843.1	3606	AA	GG	GG	INTERGENIC		
SNP_78194B_3631	scaffold4436	NW_004518843.1	3631	AA	GG	GG	INTERGENIC		
SNP_78195B_927	scaffold4437	NW_004518844.1	927	GG	CC	CC	INTERGENIC		
SNP_78196B_945	scaffold4437	NW_004518844.1	945	AA	CC	CC	INTERGENIC		
SNP_78197B_963	scaffold4437	NW_004518844.1	963	GG	AA	AA	INTERGENIC		
SNP_78198B_965	scaffold4437	NW_004518844.1	965	AA	CC	CC	INTERGENIC		
SNP_78199B_1035	scaffold4437	NW_004518844.1	1035	GG	AA	AA	INTERGENIC		
SNP_78200B_1205	scaffold4437	NW_004518844.1	1205	TT	CC	CC	INTERGENIC		
SNP_78201B_1253	scaffold4437	NW_004518844.1	1253	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78202B_5594	scaffold4439	NW_004518845.1	5594	CC	GG	GG	INTERGENIC		
SNP_78203B_6124	scaffold4439	NW_004518845.1	6124	AA	GG	GG	INTERGENIC		
SNP_78204B_6147	scaffold4439	NW_004518845.1	6147	TT	AA	AA	INTERGENIC		
SNP_78205B_6174	scaffold4439	NW_004518845.1	6174	AA	GG	GG	INTERGENIC		
SNP_78206B_6207	scaffold4439	NW_004518845.1	6207	GG	TT	TT	INTERGENIC		
SNP_78207B_6324	scaffold4439	NW_004518845.1	6324	AA	TT	TT	INTERGENIC		
SNP_78208B_6503	scaffold4439	NW_004518845.1	6503	AA	GG	GG	INTERGENIC		
SNP_78209B_6632	scaffold4439	NW_004518845.1	6632	TT	AA	AA	INTERGENIC		
SNP_78210B_6677	scaffold4439	NW_004518845.1	6677	TT	GG	GG	INTERGENIC		
SNP_78211B_6695	scaffold4439	NW_004518845.1	6695	GG	TT	TT	INTERGENIC		
SNP_78212B_6849	scaffold4439	NW_004518845.1	6849	TT	CC	CC	INTERGENIC		
SNP_78213B_6851	scaffold4439	NW_004518845.1	6851	AA	CC	CC	INTERGENIC		
SNP_78214B_6895	scaffold4439	NW_004518845.1	6895	AA	CC	CC	INTERGENIC		
SNP_78215B_2801	scaffold4452	NW_004518855.1	2801	CC	TT	TT	INTERGENIC		
SNP_78216B_5332	scaffold4452	NW_004518855.1	5332	AA	GG	GG	INTERGENIC		
SNP_78217B_12965	scaffold4452	NW_004518855.1	12965	GG	TT	TT	INTERGENIC		
SNP_78218B_12971	scaffold4452	NW_004518855.1	12971	TT	CC	CC	INTERGENIC		
SNP_78219B_13778	scaffold4452	NW_004518855.1	13778	CC	TT	TT	INTERGENIC		
SNP_78220B_13803	scaffold4452	NW_004518855.1	13803	GG	AA	AA	INTERGENIC		
SNP_78221B_13947	scaffold4452	NW_004518855.1	13947	TT	CC	CC	INTERGENIC		
SNP_78222B_14387	scaffold4452	NW_004518855.1	14387	CC	TT	TT	INTERGENIC		
SNP_78223B_14394	scaffold4452	NW_004518855.1	14394	GG	CC	CC	INTERGENIC		
SNP_78224B_14536	scaffold4452	NW_004518855.1	14536	TT	GG	GG	INTERGENIC		
SNP_78225B_14551	scaffold4452	NW_004518855.1	14551	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78226B_14567	scaffold4452	NW_004518855.1	14567	CC	TT	TT	INTERGENIC		
SNP_78227B_14975	scaffold4452	NW_004518855.1	14975	CC	TT	TT	INTERGENIC		
SNP_78228B_125890	scaffold4452	NW_004518855.1	125890	CC	AA	AA	INTERGENIC		
SNP_78229B_125953	scaffold4452	NW_004518855.1	125953	CC	AA	AA	INTERGENIC		
SNP_78230B_126016	scaffold4452	NW_004518855.1	126016	AA	GG	GG	INTERGENIC		
SNP_78231B_126046	scaffold4452	NW_004518855.1	126046	CC	AA	AA	INTERGENIC		
SNP_78232B_126117	scaffold4452	NW_004518855.1	126117	AA	TT	TT	INTERGENIC		
SNP_78233B_126121	scaffold4452	NW_004518855.1	126121	GG	AA	AA	INTERGENIC		
SNP_78234B_126130	scaffold4452	NW_004518855.1	126130	CC	TT	TT	INTERGENIC		
SNP_78235B_126143	scaffold4452	NW_004518855.1	126143	AA	TT	TT	INTERGENIC		
SNP_78236B_126144	scaffold4452	NW_004518855.1	126144	AA	TT	TT	INTERGENIC		
SNP_78238B_126205	scaffold4452	NW_004518855.1	126205	GG	AA	AA	INTERGENIC		
SNP_78239B_126206	scaffold4452	NW_004518855.1	126206	AA	CC	CC	INTERGENIC		
SNP_78240B_126281	scaffold4452	NW_004518855.1	126281	GG	TT	TT	INTERGENIC		
SNP_78241B_1577	scaffold4455	NW_004518857.1	1577	GG	AA	AA	INTERGENIC		
SNP_78242B_1742	scaffold4455	NW_004518857.1	1742	CC	TT	TT	INTERGENIC		
SNP_78243B_604	scaffold4456	NW_004518858.1	604	TT	AA	AA	INTERGENIC		
SNP_78244B_230	scaffold4461	NW_004518860.1	230	CC	TT	TT	INTERGENIC		
SNP_78245B_254	scaffold4461	NW_004518860.1	254	AA	GG	GG	INTERGENIC		
SNP_78246B_2817	scaffold4462	NW_004518861.1	2817	GG	TT	TT	URR	101499371	GDP-mannose 3,5-epimerase 1-like
SNP_78247B_2833	scaffold4462	NW_004518861.1	2833	TT	CC	CC	URR	101499371	GDP-mannose 3,5-epimerase 1-like
SNP_78248B_2885	scaffold4462	NW_004518861.1	2885	TT	CC	CC	URR	101499371	GDP-mannose 3,5-epimerase 1-like
SNP_78249B_2898	scaffold4462	NW_004518861.1	2898	AA	GG	GG	URR	101499371	GDP-mannose 3,5-epimerase 1-like
SNP_78250B_2904	scaffold4462	NW_004518861.1	2904	CC	GG	GG	URR	101499371	GDP-mannose 3,5-epimerase 1-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78251B_2915	scaffold4462	NW_004518861.1	2915	CC	TT	TT	URR	101499371	GDP-mannose 3,5-epimerase 1-like
SNP_78252B_2916	scaffold4462	NW_004518861.1	2916	CC	TT	TT	URR	101499371	GDP-mannose 3,5-epimerase 1-like
SNP_78253B_3059	scaffold4462	NW_004518861.1	3059	AA	GG	GG	URR	101499371	GDP-mannose 3,5-epimerase 1-like
SNP_78254B_3064	scaffold4462	NW_004518861.1	3064	GG	TT	TT	URR	101499371	GDP-mannose 3,5-epimerase 1-like
SNP_78255B_3065	scaffold4462	NW_004518861.1	3065	AA	GG	GG	URR	101499371	GDP-mannose 3,5-epimerase 1-like
SNP_78256B_662	scaffold4465	NW_004518862.1	662	GG	AA	AA	INTERGENIC		
SNP_78257B_2369	scaffold4465	NW_004518862.1	2369	TT	GG	GG	INTERGENIC		
SNP_78258B_2437	scaffold4465	NW_004518862.1	2437	TT	AA	AA	INTERGENIC		
SNP_78259B_650	scaffold4475	NW_004518869.1	650	GG	CC	CC	INTERGENIC		
SNP_78260B_1669	scaffold4481	NW_004518873.1	1669	GG	AA	AA	INTERGENIC		
SNP_78261B_1868	scaffold4481	NW_004518873.1	1868	CC	GG	GG	INTERGENIC		
SNP_78262B_9596	scaffold4481	NW_004518873.1	9596	CC	TT	TT	INTERGENIC		
SNP_78263B_9597	scaffold4481	NW_004518873.1	9597	AA	CC	CC	INTERGENIC		
SNP_78264B_10363	scaffold4481	NW_004518873.1	10363	AA	TT	TT	INTERGENIC		
SNP_78265B_63	scaffold4494	NW_004518882.1	63	TT	GG	GG	INTERGENIC		
SNP_78266B_69	scaffold4494	NW_004518882.1	69	CC	GG	GG	INTERGENIC		
SNP_78267B_391	scaffold4494	NW_004518882.1	391	TT	AA	AA	INTERGENIC		
SNP_78268B_104	scaffold4495	NW_004518883.1	104	AA	TT	TT	INTERGENIC		
SNP_78269B_1382	scaffold4503	NW_004518888.1	1382	AA	GG	GG	INTERGENIC		
SNP_78270B_1674	scaffold4505	NW_004518890.1	1674	CC	AA	AA	INTERGENIC		
SNP_78271B_1683	scaffold4505	NW_004518890.1	1683	CC	TT	TT	INTERGENIC		
SNP_78272B_542	scaffold4506	NW_004518891.1	542	CC	TT	TT	INTERGENIC		
SNP_78273B_996	scaffold4506	NW_004518891.1	996	CC	TT	TT	INTERGENIC		
SNP_78275B_1038	scaffold4506	NW_004518891.1	1038	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78276B_1076	scaffold4506	NW_004518891.1	1076	AA	GG	GG	INTERGENIC		
SNP_78277B_1104	scaffold4506	NW_004518891.1	1104	TT	CC	CC	INTERGENIC		
SNP_78278B_442	scaffold4507	NW_004518892.1	442	GG	AA	AA	INTERGENIC		
SNP_78279B_2985	scaffold4508	NW_004518893.1	2985	TT	AA	AA	INTERGENIC		
SNP_78280B_11619	scaffold4508	NW_004518893.1	11619	GG	AA	AA	INTERGENIC		
SNP_78281B_21426	scaffold4508	NW_004518893.1	21426	AA	GG	GG	INTERGENIC		
SNP_78282B_21428	scaffold4508	NW_004518893.1	21428	TT	CC	CC	INTERGENIC		
SNP_78283B_33669	scaffold4508	NW_004518893.1	33669	CC	TT	TT	INTERGENIC		
SNP_78285B_33696	scaffold4508	NW_004518893.1	33696	AA	CC	CC	INTERGENIC		
SNP_78286B_33902	scaffold4508	NW_004518893.1	33902	CC	AA	AA	INTERGENIC		
SNP_78288B_36838	scaffold4508	NW_004518893.1	36838	GG	TT	TT	INTERGENIC		
SNP_78289B_36840	scaffold4508	NW_004518893.1	36840	GG	CC	CC	INTERGENIC		
SNP_78290B_37003	scaffold4508	NW_004518893.1	37003	CC	TT	TT	INTERGENIC		
SNP_78291B_37079	scaffold4508	NW_004518893.1	37079	CC	TT	TT	INTERGENIC		
SNP_78292B_37098	scaffold4508	NW_004518893.1	37098	AA	GG	GG	INTERGENIC		
SNP_78293B_115	scaffold4509	NW_004518894.1	115	GG	TT	TT	INTERGENIC		
SNP_78294B_116	scaffold4509	NW_004518894.1	116	TT	GG	GG	INTERGENIC		
SNP_78295B_383	scaffold4509	NW_004518894.1	383	AA	GG	GG	INTERGENIC		
SNP_78296B_512	scaffold4509	NW_004518894.1	512	TT	CC	CC	INTERGENIC		
SNP_78297B_527	scaffold4509	NW_004518894.1	527	GG	AA	AA	INTERGENIC		
SNP_78298B_555	scaffold4509	NW_004518894.1	555	AA	CC	CC	INTERGENIC		
SNP_78299B_767	scaffold4509	NW_004518894.1	767	GG	CC	CC	INTERGENIC		
SNP_78300B_802	scaffold4509	NW_004518894.1	802	AA	TT	TT	INTERGENIC		
SNP_78301B_1369	scaffold4509	NW_004518894.1	1369	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78302B_11529	scaffold4511	NW_004518896.1	11529	CC	GG	GG	INTERGENIC		
SNP_78303B_12899	scaffold4511	NW_004518896.1	12899	AA	TT	TT	INTERGENIC		
SNP_78304B_22734	scaffold4511	NW_004518896.1	22734	AA	TT	TT	INTERGENIC		
SNP_78305B_22760	scaffold4511	NW_004518896.1	22760	TT	CC	CC	INTERGENIC		
SNP_78306B_22828	scaffold4511	NW_004518896.1	22828	AA	GG	GG	INTERGENIC		
SNP_78308B_23071	scaffold4511	NW_004518896.1	23071	TT	CC	CC	INTERGENIC		
SNP_78309B_23188	scaffold4511	NW_004518896.1	23188	AA	GG	GG	INTERGENIC		
SNP_78310B_23267	scaffold4511	NW_004518896.1	23267	CC	TT	TT	INTERGENIC		
SNP_78312B_3140	scaffold4513	NW_004518898.1	3140	TT	AA	AA	INTERGENIC		
SNP_78313B_3257	scaffold4513	NW_004518898.1	3257	GG	AA	AA	INTERGENIC		
SNP_78314B_3271	scaffold4513	NW_004518898.1	3271	TT	CC	CC	INTERGENIC		
SNP_78315B_3363	scaffold4513	NW_004518898.1	3363	TT	CC	CC	INTERGENIC		
SNP_78316B_3512	scaffold4513	NW_004518898.1	3512	TT	CC	CC	INTERGENIC		
SNP_78317B_3540	scaffold4513	NW_004518898.1	3540	GG	AA	AA	INTERGENIC		
SNP_78318B_3541	scaffold4513	NW_004518898.1	3541	CC	TT	TT	INTERGENIC		
SNP_78319B_3571	scaffold4513	NW_004518898.1	3571	TT	CC	CC	INTERGENIC		
SNP_78320B_3689	scaffold4513	NW_004518898.1	3689	GG	AA	AA	INTERGENIC		
SNP_78321B_443	scaffold4515	NW_004518900.1	443	CC	AA	AA	INTERGENIC		
SNP_78322B_456	scaffold4515	NW_004518900.1	456	AA	CC	CC	INTERGENIC		
SNP_78323B_458	scaffold4515	NW_004518900.1	458	TT	AA	AA	INTERGENIC		
SNP_78324B_475	scaffold4515	NW_004518900.1	475	GG	AA	AA	INTERGENIC		
SNP_78325B_756	scaffold4515	NW_004518900.1	756	GG	CC	CC	INTERGENIC		
SNP_78326B_450	scaffold4521	NW_004518904.1	450	GG	AA	AA	INTERGENIC		
SNP_78327B_2256	scaffold4524	NW_004518906.1	2256	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78328B_2288	scaffold4524	NW_004518906.1	2288	TT	CC	CC	INTERGENIC		
SNP_78329B_400	scaffold4525	NW_004518907.1	400	AA	TT	TT	INTERGENIC		
SNP_78330B_819	scaffold4525	NW_004518907.1	819	AA	GG	GG	INTERGENIC		
SNP_78331B_822	scaffold4525	NW_004518907.1	822	TT	GG	GG	INTERGENIC		
SNP_78332B_942	scaffold4525	NW_004518907.1	942	AA	GG	GG	INTERGENIC		
SNP_78333B_615	scaffold4528	NW_004518910.1	615	CC	TT	TT	INTERGENIC		
SNP_78334B_300	scaffold4533	NW_004518915.1	300	TT	GG	GG	INTERGENIC		
SNP_78335B_2062	scaffold4533	NW_004518915.1	2062	TT	GG	GG	INTERGENIC		
SNP_78336B_155	scaffold4534	NW_004518916.1	155	GG	AA	AA	INTERGENIC		
SNP_78337B_212	scaffold4534	NW_004518916.1	212	AA	GG	GG	INTERGENIC		
SNP_78338B_381	scaffold4534	NW_004518916.1	381	AA	GG	GG	INTERGENIC		
SNP_78339B_476	scaffold4534	NW_004518916.1	476	TT	AA	AA	INTERGENIC		
SNP_78340B_2876	scaffold4534	NW_004518916.1	2876	TT	AA	AA	INTERGENIC		
SNP_78341B_3046	scaffold4534	NW_004518916.1	3046	TT	AA	AA	INTERGENIC		
SNP_78342B_1402	scaffold4538	NW_004518919.1	1402	AA	CC	CC	INTERGENIC		
SNP_78343B_1412	scaffold4538	NW_004518919.1	1412	TT	AA	AA	INTERGENIC		
SNP_78344B_1413	scaffold4538	NW_004518919.1	1413	AA	TT	TT	INTERGENIC		
SNP_78345B_1436	scaffold4538	NW_004518919.1	1436	CC	TT	TT	INTERGENIC		
SNP_78346B_1439	scaffold4538	NW_004518919.1	1439	GG	AA	AA	INTERGENIC		
SNP_78347B_1603	scaffold4538	NW_004518919.1	1603	GG	AA	AA	INTERGENIC		
SNP_78348B_1638	scaffold4538	NW_004518919.1	1638	TT	AA	AA	INTERGENIC		
SNP_78349B_1656	scaffold4538	NW_004518919.1	1656	AA	CC	CC	INTERGENIC		
SNP_78350B_1738	scaffold4538	NW_004518919.1	1738	AA	GG	GG	INTERGENIC		
SNP_78351B_1808	scaffold4538	NW_004518919.1	1808	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78352B_3630	scaffold4538	NW_004518919.1	3630	TT	AA	AA	INTERGENIC		
SNP_78353B_5392	scaffold4543	NW_004518922.1	5392	TT	CC	CC	INTERGENIC		
SNP_78354B_52	scaffold4549	NW_004518924.1	52	GG	AA	AA	INTERGENIC		
SNP_78355B_67	scaffold4549	NW_004518924.1	67	GG	AA	AA	INTERGENIC		
SNP_78356B_69	scaffold4549	NW_004518924.1	69	TT	AA	AA	INTERGENIC		
SNP_78357B_103	scaffold4549	NW_004518924.1	103	AA	GG	GG	INTERGENIC		
SNP_78358B_141	scaffold4549	NW_004518924.1	141	AA	GG	GG	INTERGENIC		
SNP_78359B_190	scaffold4549	NW_004518924.1	190	CC	TT	TT	INTERGENIC		
SNP_78360B_196	scaffold4549	NW_004518924.1	196	GG	AA	AA	INTERGENIC		
SNP_78361B_472	scaffold4549	NW_004518924.1	472	AA	TT	TT	INTERGENIC		
SNP_78362B_2751	scaffold4551	NW_004518926.1	2751	GG	CC	CC	INTERGENIC		
SNP_78363B_2780	scaffold4551	NW_004518926.1	2780	AA	TT	TT	INTERGENIC		
SNP_78364B_5784	scaffold4551	NW_004518926.1	5784	TT	CC	CC	INTERGENIC		
SNP_78365B_6094	scaffold4551	NW_004518926.1	6094	CC	AA	AA	INTERGENIC		
SNP_78366B_6439	scaffold4551	NW_004518926.1	6439	AA	TT	TT	INTERGENIC		
SNP_78368B_17106	scaffold4551	NW_004518926.1	17106	TT	AA	AA	INTERGENIC		
SNP_78369B_17142	scaffold4551	NW_004518926.1	17142	CC	AA	AA	INTERGENIC		
SNP_78370B_18873	scaffold4551	NW_004518926.1	18873	GG	CC	CC	INTERGENIC		
SNP_78371B_18876	scaffold4551	NW_004518926.1	18876	AA	TT	TT	INTERGENIC		
SNP_78372B_18895	scaffold4551	NW_004518926.1	18895	TT	AA	AA	INTERGENIC		
SNP_78373B_18902	scaffold4551	NW_004518926.1	18902	TT	AA	AA	INTERGENIC		
SNP_78374B_19001	scaffold4551	NW_004518926.1	19001	TT	AA	AA	INTERGENIC		
SNP_78375B_19006	scaffold4551	NW_004518926.1	19006	AA	GG	GG	INTERGENIC		
SNP_78376B_19020	scaffold4551	NW_004518926.1	19020	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78377B_19065	scaffold4551	NW_004518926.1	19065	GG	AA	AA	INTERGENIC		
SNP_78378B_19066	scaffold4551	NW_004518926.1	19066	AA	CC	CC	INTERGENIC		
SNP_78379B_19076	scaffold4551	NW_004518926.1	19076	AA	TT	TT	INTERGENIC		
SNP_78380B_19122	scaffold4551	NW_004518926.1	19122	CC	TT	TT	INTERGENIC		
SNP_78381B_19146	scaffold4551	NW_004518926.1	19146	TT	CC	CC	INTERGENIC		
SNP_78382B_19148	scaffold4551	NW_004518926.1	19148	AA	GG	GG	INTERGENIC		
SNP_78383B_19154	scaffold4551	NW_004518926.1	19154	GG	TT	TT	INTERGENIC		
SNP_78384B_19157	scaffold4551	NW_004518926.1	19157	TT	CC	CC	INTERGENIC		
SNP_78386B_19193	scaffold4551	NW_004518926.1	19193	AA	TT	TT	INTERGENIC		
SNP_78387B_807	scaffold4557	NW_004518930.1	807	TT	AA	AA	INTERGENIC		
SNP_78388B_823	scaffold4557	NW_004518930.1	823	TT	GG	GG	INTERGENIC		
SNP_78389B_10631	scaffold4570	NW_004518938.1	10631	AA	TT	TT	INTERGENIC		
SNP_78390B_10686	scaffold4570	NW_004518938.1	10686	AA	GG	GG	INTERGENIC		
SNP_78391B_599	scaffold4572	NW_004518939.1	599	AA	TT	TT	INTERGENIC		
SNP_78392B_1951	scaffold4572	NW_004518939.1	1951	CC	AA	AA	INTERGENIC		
SNP_78393B_2000	scaffold4572	NW_004518939.1	2000	TT	CC	CC	INTERGENIC		
SNP_78394B_2298	scaffold4572	NW_004518939.1	2298	CC	GG	GG	INTERGENIC		
SNP_78395B_2300	scaffold4572	NW_004518939.1	2300	TT	CC	CC	INTERGENIC		
SNP_78396B_2337	scaffold4572	NW_004518939.1	2337	GG	CC	CC	INTERGENIC		
SNP_78397B_2344	scaffold4572	NW_004518939.1	2344	CC	AA	AA	INTERGENIC		
SNP_78398B_2422	scaffold4572	NW_004518939.1	2422	GG	AA	AA	INTERGENIC		
SNP_78399B_2438	scaffold4572	NW_004518939.1	2438	AA	TT	TT	INTERGENIC		
SNP_78400B_2443	scaffold4572	NW_004518939.1	2443	AA	CC	CC	INTERGENIC		
SNP_78401B_4169	scaffold4572	NW_004518939.1	4169	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78402B_8729	scaffold4572	NW_004518939.1	8729	CC	AA	AA	INTERGENIC		
SNP_78403B_8979	scaffold4572	NW_004518939.1	8979	GG	CC	CC	INTERGENIC		
SNP_78404B_8987	scaffold4572	NW_004518939.1	8987	TT	GG	GG	INTERGENIC		
SNP_78405B_10825	scaffold4573	NW_004518940.1	10825	GG	AA	AA	INTERGENIC		
SNP_78406B_566	scaffold4578	NW_004518945.1	566	GG	CC	CC	INTERGENIC		
SNP_78407B_1070	scaffold4582	NW_004518947.1	1070	GG	TT	TT	INTERGENIC		
SNP_78408B_6119	scaffold4582	NW_004518947.1	6119	TT	CC	CC	INTERGENIC		
SNP_78409B_6371	scaffold4582	NW_004518947.1	6371	AA	CC	CC	INTERGENIC		
SNP_78410B_7072	scaffold4582	NW_004518947.1	7072	CC	TT	TT	INTERGENIC		
SNP_78411B_7249	scaffold4582	NW_004518947.1	7249	CC	AA	AA	INTERGENIC		
SNP_78412B_7295	scaffold4582	NW_004518947.1	7295	TT	CC	CC	INTERGENIC		
SNP_78413B_7492	scaffold4582	NW_004518947.1	7492	TT	CC	CC	INTERGENIC		
SNP_78414B_7570	scaffold4582	NW_004518947.1	7570	TT	CC	CC	INTERGENIC		
SNP_78416B_7685	scaffold4582	NW_004518947.1	7685	TT	CC	CC	INTERGENIC		
SNP_78417B_7692	scaffold4582	NW_004518947.1	7692	CC	TT	TT	INTERGENIC		
SNP_78418B_7724	scaffold4582	NW_004518947.1	7724	TT	CC	CC	INTERGENIC		
SNP_78419B_7732	scaffold4582	NW_004518947.1	7732	GG	AA	AA	INTERGENIC		
SNP_78420B_7952	scaffold4582	NW_004518947.1	7952	AA	GG	GG	INTERGENIC		
SNP_78421B_7979	scaffold4582	NW_004518947.1	7979	TT	CC	CC	INTERGENIC		
SNP_78422B_9112	scaffold4582	NW_004518947.1	9112	GG	TT	TT	INTERGENIC		
SNP_78423B_9401	scaffold4582	NW_004518947.1	9401	CC	GG	GG	INTERGENIC		
SNP_78424B_2715	scaffold4591	NW_004518955.1	2715	GG	TT	TT	INTERGENIC		
SNP_78425B_1308	scaffold4600	NW_004518962.1	1308	GG	TT	TT	INTERGENIC		
SNP_78426B_1650	scaffold4600	NW_004518962.1	1650	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78427B_1770	scaffold4600	NW_004518962.1	1770	GG	AA	AA	INTERGENIC		
SNP_78428B_1825	scaffold4600	NW_004518962.1	1825	GG	TT	TT	INTERGENIC		
SNP_78429B_7744	scaffold4602	NW_004518963.1	7744	AA	GG	GG	INTERGENIC		
SNP_78430B_7776	scaffold4602	NW_004518963.1	7776	AA	CC	CC	INTERGENIC		
SNP_78431B_7826	scaffold4602	NW_004518963.1	7826	TT	CC	CC	INTERGENIC		
SNP_78432B_7878	scaffold4602	NW_004518963.1	7878	AA	GG	GG	INTERGENIC		
SNP_78433B_7947	scaffold4602	NW_004518963.1	7947	AA	CC	CC	INTERGENIC		
SNP_78434B_8123	scaffold4602	NW_004518963.1	8123	TT	CC	CC	INTERGENIC		
SNP_78435B_19335	scaffold4602	NW_004518963.1	19335	GG	AA	AA	INTERGENIC		
SNP_78436B_19339	scaffold4602	NW_004518963.1	19339	CC	GG	GG	INTERGENIC		
SNP_78437B_19359	scaffold4602	NW_004518963.1	19359	TT	GG	GG	INTERGENIC		
SNP_78438B_19361	scaffold4602	NW_004518963.1	19361	AA	GG	GG	INTERGENIC		
SNP_78440B_97	scaffold4605	NW_004518965.1	97	CC	AA	AA	INTERGENIC		
SNP_78441B_21853	scaffold4605	NW_004518965.1	21853	TT	GG	GG	INTERGENIC		
SNP_78442B_22248	scaffold4605	NW_004518965.1	22248	GG	CC	CC	INTERGENIC		
SNP_78443B_23232	scaffold4605	NW_004518965.1	23232	GG	CC	CC	INTERGENIC		
SNP_78444B_23321	scaffold4605	NW_004518965.1	23321	GG	AA	AA	INTERGENIC		
SNP_78445B_23346	scaffold4605	NW_004518965.1	23346	TT	GG	GG	INTERGENIC		
SNP_78446B_24417	scaffold4605	NW_004518965.1	24417	GG	AA	AA	INTERGENIC		
SNP_78447B_24446	scaffold4605	NW_004518965.1	24446	GG	CC	CC	INTERGENIC		
SNP_78448B_24769	scaffold4605	NW_004518965.1	24769	AA	GG	GG	INTERGENIC		
SNP_78450B_24879	scaffold4605	NW_004518965.1	24879	TT	AA	AA	INTERGENIC		
SNP_78451B_24934	scaffold4605	NW_004518965.1	24934	TT	AA	AA	INTERGENIC		
SNP_78452B_24970	scaffold4605	NW_004518965.1	24970	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78453B_25308	scaffold4605	NW_004518965.1	25308	GG	AA	AA	INTERGENIC		
SNP_78454B_25353	scaffold4605	NW_004518965.1	25353	AA	CC	CC	INTERGENIC		
SNP_78455B_321	scaffold4628	NW_004518978.1	321	TT	CC	CC	INTERGENIC		
SNP_78456B_511	scaffold4628	NW_004518978.1	511	GG	TT	TT	INTERGENIC		
SNP_78457B_560	scaffold4628	NW_004518978.1	560	TT	CC	CC	INTERGENIC		
SNP_78458B_747	scaffold4628	NW_004518978.1	747	CC	TT	TT	INTERGENIC		
SNP_78459B_1158	scaffold4629	NW_004518979.1	1158	AA	GG	GG	INTERGENIC		
SNP_78460B_5947	scaffold4629	NW_004518979.1	5947	CC	TT	TT	INTERGENIC		
SNP_78461B_5975	scaffold4629	NW_004518979.1	5975	GG	AA	AA	INTERGENIC		
SNP_78462B_6055	scaffold4629	NW_004518979.1	6055	GG	AA	AA	INTERGENIC		
SNP_78463B_6094	scaffold4629	NW_004518979.1	6094	CC	TT	TT	INTERGENIC		
SNP_78464B_6140	scaffold4629	NW_004518979.1	6140	AA	GG	GG	INTERGENIC		
SNP_78465B_6204	scaffold4629	NW_004518979.1	6204	GG	AA	AA	INTERGENIC		
SNP_78466B_1618	scaffold4633	NW_004518981.1	1618	AA	GG	GG	INTERGENIC		
SNP_78467B_1636	scaffold4633	NW_004518981.1	1636	AA	TT	TT	INTERGENIC		
SNP_78468B_1887	scaffold4633	NW_004518981.1	1887	AA	CC	CC	INTERGENIC		
SNP_78469B_1910	scaffold4633	NW_004518981.1	1910	GG	AA	AA	INTERGENIC		
SNP_78470B_6459	scaffold4634	NW_004518982.1	6459	CC	GG	GG	INTERGENIC		
SNP_78471B_795	scaffold4638	NW_004518986.1	795	TT	CC	CC	INTERGENIC		
SNP_78472B_510	scaffold4642	NW_004518989.1	510	GG	AA	AA	INTERGENIC		
SNP_78473B_985	scaffold4642	NW_004518989.1	985	CC	GG	GG	INTERGENIC		
SNP_78474B_1276	scaffold4642	NW_004518989.1	1276	CC	TT	TT	INTERGENIC		
SNP_78475B_1295	scaffold4642	NW_004518989.1	1295	AA	CC	CC	INTERGENIC		
SNP_78476B_1977	scaffold4642	NW_004518989.1	1977	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78477B_24561	scaffold4643	NW_004518990.1	24561	AA	TT	TT	INTERGENIC		
SNP_78478B_24581	scaffold4643	NW_004518990.1	24581	TT	CC	CC	INTERGENIC		
SNP_78479B_24629	scaffold4643	NW_004518990.1	24629	CC	TT	TT	INTERGENIC		
SNP_78480B_360	scaffold4647	NW_004518992.1	360	AA	TT	TT	INTERGENIC		
SNP_78481B_361	scaffold4647	NW_004518992.1	361	CC	TT	TT	INTERGENIC		
SNP_78482B_376	scaffold4647	NW_004518992.1	376	TT	AA	AA	INTERGENIC		
SNP_78483B_1190	scaffold4647	NW_004518992.1	1190	TT	CC	CC	INTERGENIC		
SNP_78484B_1195	scaffold4647	NW_004518992.1	1195	GG	AA	AA	INTERGENIC		
SNP_78485B_1485	scaffold4647	NW_004518992.1	1485	AA	GG	GG	INTERGENIC		
SNP_78486B_1645	scaffold4647	NW_004518992.1	1645	GG	AA	AA	INTERGENIC		
SNP_78487B_1646	scaffold4647	NW_004518992.1	1646	TT	AA	AA	INTERGENIC		
SNP_78488B_1683	scaffold4647	NW_004518992.1	1683	GG	CC	CC	INTERGENIC		
SNP_78489B_1684	scaffold4647	NW_004518992.1	1684	CC	GG	GG	INTERGENIC		
SNP_78490B_2502	scaffold4647	NW_004518992.1	2502	GG	AA	AA	INTERGENIC		
SNP_78491B_5492	scaffold4647	NW_004518992.1	5492	AA	TT	TT	INTERGENIC		
SNP_78492B_595	scaffold4651	NW_004518994.1	595	AA	GG	GG	INTRON	101502653	F-box/FBD/LRR-repeat protein At3g26920-like
SNP_78493B_926	scaffold4651	NW_004518994.1	926	TT	CC	CC	INTRON	101502653	F-box/FBD/LRR-repeat protein At3g26920-like
SNP_78494B_29075	scaffold4662	NW_004519000.1	29075	GG	AA	AA	INTERGENIC		
SNP_78495B_29087	scaffold4662	NW_004519000.1	29087	GG	AA	AA	INTERGENIC		
SNP_78496B_29093	scaffold4662	NW_004519000.1	29093	TT	AA	AA	INTERGENIC		
SNP_78497B_29233	scaffold4662	NW_004519000.1	29233	TT	CC	CC	INTERGENIC		
SNP_78498B_29275	scaffold4662	NW_004519000.1	29275	AA	GG	GG	INTERGENIC		
SNP_78499B_29278	scaffold4662	NW_004519000.1	29278	GG	AA	AA	INTERGENIC		
SNP_78500B_30025	scaffold4662	NW_004519000.1	30025	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78501B_30148	scaffold4662	NW_004519000.1	30148	GG	CC	CC	INTERGENIC		
SNP_78502B_4831	scaffold4668	NW_004519004.1	4831	TT	CC	CC	DRR	101502967	uncharacterized LOC101502967
SNP_78503B_4909	scaffold4668	NW_004519004.1	4909	AA	GG	GG	DRR	101502967	uncharacterized LOC101502967
SNP_78504B_5123	scaffold4668	NW_004519004.1	5123	CC	GG	GG	DRR	101503290	cold shock domain-containing protein 3-like
SNP_78505B_8374	scaffold4673	NW_004519008.1	8374	CC	TT	TT	INTERGENIC		
SNP_78506B_8386	scaffold4673	NW_004519008.1	8386	CC	TT	TT	INTERGENIC		
SNP_78507B_8844	scaffold4673	NW_004519008.1	8844	CC	TT	TT	INTERGENIC		
SNP_78508B_8978	scaffold4673	NW_004519008.1	8978	AA	GG	GG	INTERGENIC		
SNP_78509B_13304	scaffold4673	NW_004519008.1	13304	TT	CC	CC	INTERGENIC		
SNP_78510B_14549	scaffold4673	NW_004519008.1	14549	AA	GG	GG	INTERGENIC		
SNP_78511B_20155	scaffold4673	NW_004519008.1	20155	AA	GG	GG	URR	101503620	S-type anion channel SLAH1-like
SNP_78512B_978	scaffold4679	NW_004519011.1	978	AA	GG	GG	INTERGENIC		
SNP_78513B_1069	scaffold4679	NW_004519011.1	1069	GG	AA	AA	INTERGENIC		
SNP_78514B_1076	scaffold4679	NW_004519011.1	1076	AA	GG	GG	INTERGENIC		
SNP_78515B_323	scaffold4689	NW_004519015.1	323	AA	CC	CC	INTERGENIC		
SNP_78516B_39	scaffold4692	NW_004519018.1	39	GG	AA	AA	INTERGENIC		
SNP_78517B_64	scaffold4692	NW_004519018.1	64	GG	AA	AA	INTERGENIC		
SNP_78518B_69	scaffold4692	NW_004519018.1	69	GG	AA	AA	INTERGENIC		
SNP_78519B_168	scaffold4692	NW_004519018.1	168	AA	TT	TT	INTERGENIC		
SNP_78520B_399	scaffold4692	NW_004519018.1	399	AA	TT	TT	INTERGENIC		
SNP_78521B_456	scaffold4692	NW_004519018.1	456	AA	GG	GG	INTERGENIC		
SNP_78522B_529	scaffold4692	NW_004519018.1	529	CC	GG	GG	INTERGENIC		
SNP_78523B_578	scaffold4692	NW_004519018.1	578	GG	TT	TT	INTERGENIC		
SNP_78525B_434	scaffold4693	NW_004519019.1	434	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78527B_448	scaffold4693	NW_004519019.1	448	GG	AA	AA	INTERGENIC		
SNP_78529B_158	scaffold4695	NW_004519020.1	158	CC	AA	AA	INTERGENIC		
SNP_78530B_543	scaffold4695	NW_004519020.1	543	TT	GG	GG	INTERGENIC		
SNP_78531B_581	scaffold4695	NW_004519020.1	581	GG	AA	AA	INTERGENIC		
SNP_78532B_5600	scaffold4695	NW_004519020.1	5600	AA	GG	GG	INTERGENIC		
SNP_78533B_3201	scaffold4696	NW_004519021.1	3201	AA	GG	GG	INTERGENIC		
SNP_78534B_400	scaffold4702	NW_004519025.1	400	GG	TT	TT	INTERGENIC		
SNP_78535B_428	scaffold4702	NW_004519025.1	428	AA	TT	TT	INTERGENIC		
SNP_78536B_346	scaffold4708	NW_004519028.1	346	TT	GG	GG	INTERGENIC		
SNP_78537B_708	scaffold4708	NW_004519028.1	708	TT	CC	CC	INTERGENIC		
SNP_78538B_760	scaffold4708	NW_004519028.1	760	CC	TT	TT	INTERGENIC		
SNP_78539B_827	scaffold4708	NW_004519028.1	827	CC	TT	TT	INTERGENIC		
SNP_78540B_938	scaffold4708	NW_004519028.1	938	CC	TT	TT	INTERGENIC		
SNP_78541B_1023	scaffold4708	NW_004519028.1	1023	TT	AA	AA	INTERGENIC		
SNP_78542B_1041	scaffold4708	NW_004519028.1	1041	AA	GG	GG	INTERGENIC		
SNP_78543B_1085	scaffold4708	NW_004519028.1	1085	AA	GG	GG	INTERGENIC		
SNP_78544B_1287	scaffold4708	NW_004519028.1	1287	AA	GG	GG	INTERGENIC		
SNP_78545B_3260	scaffold4708	NW_004519028.1	3260	CC	TT	TT	INTERGENIC		
SNP_78546B_6624	scaffold4708	NW_004519028.1	6624	TT	AA	AA	INTERGENIC		
SNP_78547B_6785	scaffold4708	NW_004519028.1	6785	TT	AA	AA	INTERGENIC		
SNP_78548B_6822	scaffold4708	NW_004519028.1	6822	GG	AA	AA	INTERGENIC		
SNP_78549B_14687	scaffold4708	NW_004519028.1	14687	CC	GG	GG	INTERGENIC		
SNP_78550B_14850	scaffold4708	NW_004519028.1	14850	TT	GG	GG	INTERGENIC		
SNP_78551B_15063	scaffold4708	NW_004519028.1	15063	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78552B_17343	scaffold4708	NW_004519028.1	17343	GG	TT	TT	INTERGENIC		
SNP_78553B_17681	scaffold4708	NW_004519028.1	17681	GG	AA	AA	INTERGENIC		
SNP_78554B_17707	scaffold4708	NW_004519028.1	17707	GG	AA	AA	INTERGENIC		
SNP_78555B_19807	scaffold4708	NW_004519028.1	19807	TT	AA	AA	INTERGENIC		
SNP_78556B_19966	scaffold4708	NW_004519028.1	19966	TT	AA	AA	INTERGENIC		
SNP_78557B_20860	scaffold4708	NW_004519028.1	20860	TT	CC	CC	INTERGENIC		
SNP_78558B_21034	scaffold4708	NW_004519028.1	21034	AA	GG	GG	INTERGENIC		
SNP_78559B_21049	scaffold4708	NW_004519028.1	21049	AA	GG	GG	INTERGENIC		
SNP_78560B_21098	scaffold4708	NW_004519028.1	21098	GG	AA	AA	INTERGENIC		
SNP_78561B_21118	scaffold4708	NW_004519028.1	21118	CC	AA	AA	INTERGENIC		
SNP_78562B_21554	scaffold4708	NW_004519028.1	21554	TT	CC	CC	INTERGENIC		
SNP_78563B_21582	scaffold4708	NW_004519028.1	21582	TT	CC	CC	INTERGENIC		
SNP_78564B_24848	scaffold4708	NW_004519028.1	24848	AA	TT	TT	INTERGENIC		
SNP_78565B_505	scaffold4711	NW_004519031.1	505	AA	TT	TT	INTERGENIC		
SNP_78566B_1423	scaffold4711	NW_004519031.1	1423	TT	CC	CC	INTERGENIC		
SNP_78567B_1499	scaffold4711	NW_004519031.1	1499	AA	GG	GG	INTERGENIC		
SNP_78568B_2532	scaffold4711	NW_004519031.1	2532	TT	CC	CC	INTERGENIC		
SNP_78569B_2611	scaffold4711	NW_004519031.1	2611	AA	GG	GG	INTERGENIC		
SNP_78570B_2847	scaffold4711	NW_004519031.1	2847	GG	CC	CC	INTERGENIC		
SNP_78571B_2977	scaffold4711	NW_004519031.1	2977	GG	AA	AA	INTERGENIC		
SNP_78572B_4854	scaffold4711	NW_004519031.1	4854	TT	AA	AA	INTERGENIC		
SNP_78574B_5841	scaffold4711	NW_004519031.1	5841	TT	AA	AA	INTERGENIC		
SNP_78575B_5845	scaffold4711	NW_004519031.1	5845	GG	TT	TT	INTERGENIC		
SNP_78576B_5997	scaffold4711	NW_004519031.1	5997	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78577B_6115	scaffold4711	NW_004519031.1	6115	GG	TT	TT	INTERGENIC		
SNP_78579B_6510	scaffold4711	NW_004519031.1	6510	CC	GG	GG	INTERGENIC		
SNP_78580B_6560	scaffold4711	NW_004519031.1	6560	TT	AA	AA	INTERGENIC		
SNP_78581B_8998	scaffold4711	NW_004519031.1	8998	TT	GG	GG	INTERGENIC		
SNP_78582B_9284	scaffold4711	NW_004519031.1	9284	GG	CC	CC	INTERGENIC		
SNP_78583B_9292	scaffold4711	NW_004519031.1	9292	TT	GG	GG	INTERGENIC		
SNP_78585B_214	scaffold4720	NW_004519039.1	214	TT	AA	AA	INTERGENIC		
SNP_78586B_985	scaffold4720	NW_004519039.1	985	TT	GG	GG	INTERGENIC		
SNP_78588B_664	scaffold4731	NW_004519048.1	664	TT	CC	CC	INTRON	101504488	uncharacterized LOC101504488
SNP_78589B_852	scaffold4731	NW_004519048.1	852	TT	AA	AA	SYNONYMOUS_CODING	101504488	uncharacterized LOC101504488
SNP_78590B_1215	scaffold4731	NW_004519048.1	1215	GG	CC	CC	URR	101504488	uncharacterized LOC101504488
SNP_78591B_151	scaffold4733	NW_004519049.1	151	GG	AA	AA	INTERGENIC		
SNP_78592B_240	scaffold4733	NW_004519049.1	240	TT	CC	CC	INTERGENIC		
SNP_78593B_273	scaffold4733	NW_004519049.1	273	CC	TT	TT	INTERGENIC		
SNP_78595B_543	scaffold4733	NW_004519049.1	543	AA	GG	GG	INTERGENIC		
SNP_78596B_558	scaffold4733	NW_004519049.1	558	GG	AA	AA	INTERGENIC		
SNP_78597B_745	scaffold4735	NW_004519051.1	745	AA	CC	CC	INTERGENIC		
SNP_78598B_207	scaffold4736	NW_004519052.1	207	AA	TT	TT	INTERGENIC		
SNP_78599B_1911	scaffold4740	NW_004519055.1	1911	CC	TT	TT	INTERGENIC		
SNP_78600B_2047	scaffold4740	NW_004519055.1	2047	GG	AA	AA	INTERGENIC		
SNP_78601B_2131	scaffold4740	NW_004519055.1	2131	AA	GG	GG	INTERGENIC		
SNP_78602B_2357	scaffold4740	NW_004519055.1	2357	CC	GG	GG	INTERGENIC		
SNP_78603B_2426	scaffold4740	NW_004519055.1	2426	GG	AA	AA	INTERGENIC		
SNP_78604B_2688	scaffold4740	NW_004519055.1	2688	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78605B_2737	scaffold4740	NW_004519055.1	2737	AA	GG	GG	INTERGENIC		
SNP_78606B_4816	scaffold4740	NW_004519055.1	4816	AA	TT	TT	INTERGENIC		
SNP_78607B_11643	scaffold4740	NW_004519055.1	11643	AA	CC	CC	INTERGENIC		
SNP_78608B_11672	scaffold4740	NW_004519055.1	11672	TT	CC	CC	INTERGENIC		
SNP_78609B_20131	scaffold4745	NW_004519057.1	20131	TT	CC	CC	INTERGENIC		
SNP_78610B_22578	scaffold4745	NW_004519057.1	22578	TT	CC	CC	INTERGENIC		
SNP_78611B_22587	scaffold4745	NW_004519057.1	22587	GG	AA	AA	INTERGENIC		
SNP_78612B_22594	scaffold4745	NW_004519057.1	22594	GG	CC	CC	INTERGENIC		
SNP_78613B_429	scaffold4759	NW_004519065.1	429	CC	TT	TT	DRR	101505018	putative cysteine proteinase inhibitor 7
SNP_78614B_452	scaffold4759	NW_004519065.1	452	CC	TT	TT	DRR	101505018	putative cysteine proteinase inhibitor 7
SNP_78617B_2396	scaffold4773	NW_004519073.1	2396	AA	GG	GG	INTERGENIC		
SNP_78618B_2582	scaffold4773	NW_004519073.1	2582	TT	AA	AA	INTERGENIC		
SNP_78619B_2642	scaffold4773	NW_004519073.1	2642	TT	CC	CC	INTERGENIC		
SNP_78620B_13532	scaffold4773	NW_004519073.1	13532	CC	TT	TT	INTERGENIC		
SNP_78621B_14558	scaffold4773	NW_004519073.1	14558	GG	AA	AA	INTERGENIC		
SNP_78622B_15375	scaffold4773	NW_004519073.1	15375	TT	GG	GG	INTERGENIC		
SNP_78623B_15417	scaffold4773	NW_004519073.1	15417	AA	GG	GG	INTERGENIC		
SNP_78624B_15699	scaffold4773	NW_004519073.1	15699	GG	TT	TT	INTERGENIC		
SNP_78626B_17057	scaffold4773	NW_004519073.1	17057	GG	TT	TT	INTERGENIC		
SNP_78627B_18398	scaffold4773	NW_004519073.1	18398	AA	GG	GG	INTERGENIC		
SNP_78628B_20616	scaffold4773	NW_004519073.1	20616	CC	TT	TT	INTERGENIC		
SNP_78629B_25298	scaffold4773	NW_004519073.1	25298	TT	CC	CC	INTERGENIC		
SNP_78630B_25637	scaffold4773	NW_004519073.1	25637	AA	CC	CC	INTERGENIC		
SNP_78631B_25641	scaffold4773	NW_004519073.1	25641	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78632B_25654	scaffold4773	NW_004519073.1	25654	AA	GG	GG	INTERGENIC		
SNP_78633B_27426	scaffold4773	NW_004519073.1	27426	AA	CC	CC	INTERGENIC		
SNP_78634B_27608	scaffold4773	NW_004519073.1	27608	AA	TT	TT	INTERGENIC		
SNP_78635B_28404	scaffold4773	NW_004519073.1	28404	CC	AA	AA	INTERGENIC		
SNP_78636B_28477	scaffold4773	NW_004519073.1	28477	TT	CC	CC	INTERGENIC		
SNP_78637B_28632	scaffold4773	NW_004519073.1	28632	AA	GG	GG	INTERGENIC		
SNP_78638B_28664	scaffold4773	NW_004519073.1	28664	AA	GG	GG	INTERGENIC		
SNP_78639B_28741	scaffold4773	NW_004519073.1	28741	TT	CC	CC	INTERGENIC		
SNP_78640B_33605	scaffold4773	NW_004519073.1	33605	TT	AA	AA	INTERGENIC		
SNP_78641B_58288	scaffold4773	NW_004519073.1	58288	AA	TT	TT	INTERGENIC		
SNP_78642B_58326	scaffold4773	NW_004519073.1	58326	CC	AA	AA	INTERGENIC		
SNP_78643B_58538	scaffold4773	NW_004519073.1	58538	AA	GG	GG	INTERGENIC		
SNP_78644B_178	scaffold4775	NW_004519074.1	178	TT	AA	AA	INTERGENIC		
SNP_78645B_441	scaffold4775	NW_004519074.1	441	TT	GG	GG	INTERGENIC		
SNP_78646B_471	scaffold4775	NW_004519074.1	471	TT	GG	GG	INTERGENIC		
SNP_78647B_112452	scaffold4777	NW_004519076.1	112452	AA	GG	GG	INTRON	101508451	suppressor of mec-8 and unc-52 protein homolog 1-like
SNP_78648B_112496	scaffold4777	NW_004519076.1	112496	AA	CC	CC	INTRON	101508451	suppressor of mec-8 and unc-52 protein homolog 1-like
SNP_78649B_112507	scaffold4777	NW_004519076.1	112507	AA	CC	CC	INTRON	101508451	suppressor of mec-8 and unc-52 protein homolog 1-like
SNP_78650B_112544	scaffold4777	NW_004519076.1	112544	CC	TT	TT	INTRON	101508451	suppressor of mec-8 and unc-52 protein homolog 1-like
SNP_78651B_112792	scaffold4777	NW_004519076.1	112792	GG	TT	TT	INTRON	101508451	suppressor of mec-8 and unc-52 protein homolog 1-like
SNP_78652B_112886	scaffold4777	NW_004519076.1	112886	CC	AA	AA	INTRON	101508451	suppressor of mec-8 and unc-52 protein homolog 1-like
SNP_78653B_113115	scaffold4777	NW_004519076.1	113115	CC	TT	TT	INTRON	101508451	suppressor of mec-8 and unc-52 protein homolog 1-like
SNP_78654B_113447	scaffold4777	NW_004519076.1	113447	AA	TT	TT	INTRON	101508451	suppressor of mec-8 and unc-52 protein homolog 1-like
SNP_78655B_113547	scaffold4777	NW_004519076.1	113547	AA	GG	GG	INTRON	101508451	suppressor of mec-8 and unc-52 protein homolog 1-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78656B_113923	scaffold4777	NW_004519076.1	113923	CC	TT	TT	INTRON	101508451	suppressor of mec-8 and unc-52 protein homolog 1-like
SNP_78657B_114190	scaffold4777	NW_004519076.1	114190	CC	AA	AA	INTRON	101508451	suppressor of mec-8 and unc-52 protein homolog 1-like
SNP_78658B_114267	scaffold4777	NW_004519076.1	114267	AA	TT	TT	INTRON	101508451	suppressor of mec-8 and unc-52 protein homolog 1-like
SNP_78659B_117775	scaffold4777	NW_004519076.1	117775	CC	AA	AA	INTRON	101508451	suppressor of mec-8 and unc-52 protein homolog 1-like
SNP_78660B_117869	scaffold4777	NW_004519076.1	117869	CC	AA	AA	INTRON	101508451	suppressor of mec-8 and unc-52 protein homolog 1-like
SNP_78661B_118507	scaffold4777	NW_004519076.1	118507	CC	TT	TT	INTRON	101508451	suppressor of mec-8 and unc-52 protein homolog 1-like
SNP_78662B_118549	scaffold4777	NW_004519076.1	118549	GG	AA	AA	INTRON	101508451	suppressor of mec-8 and unc-52 protein homolog 1-like
SNP_78663B_118569	scaffold4777	NW_004519076.1	118569	TT	CC	CC	INTRON	101508451	suppressor of mec-8 and unc-52 protein homolog 1-like
SNP_78664B_118683	scaffold4777	NW_004519076.1	118683	GG	AA	AA	INTRON	101508451	suppressor of mec-8 and unc-52 protein homolog 1-like
SNP_78666B_118769	scaffold4777	NW_004519076.1	118769	TT	CC	CC	INTRON	101508451	suppressor of mec-8 and unc-52 protein homolog 1-like
SNP_78667B_119123	scaffold4777	NW_004519076.1	119123	TT	AA	AA	INTRON	101508451	suppressor of mec-8 and unc-52 protein homolog 1-like
SNP_78668B_119329	scaffold4777	NW_004519076.1	119329	GG	AA	AA	NON_SYNONYMOUS_CODING	101508451	suppressor of mec-8 and unc-52 protein homolog 1-like
SNP_78669B_119356	scaffold4777	NW_004519076.1	119356	GG	AA	AA	NON_SYNONYMOUS_CODING	101508451	suppressor of mec-8 and unc-52 protein homolog 1-like
SNP_78670B_119368	scaffold4777	NW_004519076.1	119368	CC	AA	AA	NON_SYNONYMOUS_CODING	101508451	suppressor of mec-8 and unc-52 protein homolog 1-like
SNP_78671B_119372	scaffold4777	NW_004519076.1	119372	CC	TT	TT	SYNONYMOUS_CODING	101508451	suppressor of mec-8 and unc-52 protein homolog 1-like
SNP_78672B_119558	scaffold4777	NW_004519076.1	119558	GG	CC	CC	INTERGENIC		
SNP_78673B_119589	scaffold4777	NW_004519076.1	119589	AA	TT	TT	URR	101508451	suppressor of mec-8 and unc-52 protein homolog 1-like
SNP_78674B_119620	scaffold4777	NW_004519076.1	119620	GG	CC	CC	URR	101508451	suppressor of mec-8 and unc-52 protein homolog 1-like
SNP_78675B_119638	scaffold4777	NW_004519076.1	119638	AA	CC	CC	URR	101508451	suppressor of mec-8 and unc-52 protein homolog 1-like
SNP_78676B_119735	scaffold4777	NW_004519076.1	119735	TT	CC	CC	URR	101508451	suppressor of mec-8 and unc-52 protein homolog 1-like
SNP_78677B_119762	scaffold4777	NW_004519076.1	119762	TT	CC	CC	URR	101508451	suppressor of mec-8 and unc-52 protein homolog 1-like
SNP_78678B_538	scaffold4781	NW_004519079.1	538	TT	CC	CC	INTERGENIC		
SNP_78679B_1434	scaffold4782	NW_004519080.1	1434	AA	GG	GG	INTERGENIC		
SNP_78680B_1779	scaffold4782	NW_004519080.1	1779	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78681B_1782	scaffold4782	NW_004519080.1	1782	CC	TT	TT	INTERGENIC		
SNP_78682B_1788	scaffold4782	NW_004519080.1	1788	GG	AA	AA	INTERGENIC		
SNP_78683B_1834	scaffold4782	NW_004519080.1	1834	CC	GG	GG	INTERGENIC		
SNP_78684B_181	scaffold4784	NW_004519082.1	181	AA	TT	TT	INTERGENIC		
SNP_78685B_190	scaffold4784	NW_004519082.1	190	TT	GG	GG	INTERGENIC		
SNP_78686B_224	scaffold4784	NW_004519082.1	224	GG	AA	AA	INTERGENIC		
SNP_78687B_298	scaffold4784	NW_004519082.1	298	TT	CC	CC	INTERGENIC		
SNP_78688B_313	scaffold4784	NW_004519082.1	313	AA	GG	GG	INTERGENIC		
SNP_78689B_441	scaffold4784	NW_004519082.1	441	CC	TT	TT	INTERGENIC		
SNP_78690B_571	scaffold4784	NW_004519082.1	571	GG	AA	AA	INTERGENIC		
SNP_78691B_616	scaffold4784	NW_004519082.1	616	GG	AA	AA	INTERGENIC		
SNP_78692B_626	scaffold4784	NW_004519082.1	626	CC	TT	TT	INTERGENIC		
SNP_78693B_638	scaffold4784	NW_004519082.1	638	AA	GG	GG	INTERGENIC		
SNP_78694B_641	scaffold4784	NW_004519082.1	641	CC	GG	GG	INTERGENIC		
SNP_78696B_865	scaffold4784	NW_004519082.1	865	TT	CC	CC	INTERGENIC		
SNP_78697B_2300	scaffold4787	NW_004519083.1	2300	GG	CC	CC	INTERGENIC		
SNP_78698B_2321	scaffold4787	NW_004519083.1	2321	TT	AA	AA	INTERGENIC		
SNP_78699B_371	scaffold4791	NW_004519087.1	371	AA	TT	TT	INTERGENIC		
SNP_78700B_666	scaffold4791	NW_004519087.1	666	AA	GG	GG	INTERGENIC		
SNP_78701B_1045	scaffold4792	NW_004519088.1	1045	CC	AA	AA	INTERGENIC		
SNP_78702B_64	scaffold4795	NW_004519090.1	64	AA	TT	TT	INTERGENIC		
SNP_78703B_1773	scaffold4798	NW_004519093.1	1773	CC	TT	TT	INTERGENIC		
SNP_78704B_2128	scaffold4798	NW_004519093.1	2128	TT	GG	GG	INTERGENIC		
SNP_78705B_2176	scaffold4798	NW_004519093.1	2176	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78706B_789	scaffold4804	NW_004519096.1	789	AA	TT	TT	INTERGENIC		
SNP_78707B_793	scaffold4804	NW_004519096.1	793	TT	GG	GG	INTERGENIC		
SNP_78708B_854	scaffold4804	NW_004519096.1	854	GG	CC	CC	INTERGENIC		
SNP_78709B_1133	scaffold4804	NW_004519096.1	1133	GG	AA	AA	INTERGENIC		
SNP_78710B_1159	scaffold4804	NW_004519096.1	1159	AA	CC	CC	INTERGENIC		
SNP_78711B_1625	scaffold4804	NW_004519096.1	1625	CC	AA	AA	INTERGENIC		
SNP_78713B_3049	scaffold4804	NW_004519096.1	3049	CC	GG	GG	INTERGENIC		
SNP_78714B_3051	scaffold4804	NW_004519096.1	3051	TT	AA	AA	INTERGENIC		
SNP_78715B_3056	scaffold4804	NW_004519096.1	3056	AA	CC	CC	INTERGENIC		
SNP_78716B_3058	scaffold4804	NW_004519096.1	3058	TT	CC	CC	INTERGENIC		
SNP_78717B_3117	scaffold4804	NW_004519096.1	3117	AA	TT	TT	INTERGENIC		
SNP_78718B_3135	scaffold4804	NW_004519096.1	3135	CC	AA	AA	INTERGENIC		
SNP_78719B_3150	scaffold4804	NW_004519096.1	3150	TT	AA	AA	INTERGENIC		
SNP_78720B_3264	scaffold4804	NW_004519096.1	3264	TT	AA	AA	INTERGENIC		
SNP_78721B_3326	scaffold4804	NW_004519096.1	3326	CC	TT	TT	INTERGENIC		
SNP_78722B_3419	scaffold4804	NW_004519096.1	3419	AA	GG	GG	INTERGENIC		
SNP_78723B_3519	scaffold4804	NW_004519096.1	3519	AA	GG	GG	INTERGENIC		
SNP_78724B_8632	scaffold4804	NW_004519096.1	8632	TT	AA	AA	INTERGENIC		
SNP_78725B_8845	scaffold4804	NW_004519096.1	8845	TT	AA	AA	INTERGENIC		
SNP_78726B_8859	scaffold4804	NW_004519096.1	8859	TT	AA	AA	INTERGENIC		
SNP_78728B_9434	scaffold4804	NW_004519096.1	9434	AA	CC	CC	INTERGENIC		
SNP_78729B_9630	scaffold4804	NW_004519096.1	9630	GG	CC	CC	INTERGENIC		
SNP_78730B_9747	scaffold4804	NW_004519096.1	9747	TT	GG	GG	INTERGENIC		
SNP_78732B_9874	scaffold4804	NW_004519096.1	9874	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78733B_10082	scaffold4804	NW_004519096.1	10082	AA	CC	CC	INTERGENIC		
SNP_78734B_11947	scaffold4804	NW_004519096.1	11947	AA	CC	CC	INTERGENIC		
SNP_78735B_17111	scaffold4804	NW_004519096.1	17111	GG	TT	TT	INTERGENIC		
SNP_78736B_17235	scaffold4804	NW_004519096.1	17235	AA	GG	GG	INTERGENIC		
SNP_78737B_17385	scaffold4804	NW_004519096.1	17385	GG	AA	AA	INTERGENIC		
SNP_78738B_17506	scaffold4804	NW_004519096.1	17506	TT	CC	CC	INTERGENIC		
SNP_78739B_17838	scaffold4804	NW_004519096.1	17838	GG	CC	CC	INTERGENIC		
SNP_78740B_393	scaffold4805	NW_004519097.1	393	AA	TT	TT	INTERGENIC		
SNP_78741B_11030	scaffold4805	NW_004519097.1	11030	TT	CC	CC	URR	101509072	uncharacterized LOC101509072
SNP_78742B_11061	scaffold4805	NW_004519097.1	11061	TT	CC	CC	URR	101509072	uncharacterized LOC101509072
SNP_78743B_772	scaffold4806	NW_004519098.1	772	GG	AA	AA	INTERGENIC		
SNP_78744B_778	scaffold4806	NW_004519098.1	778	TT	AA	AA	INTERGENIC		
SNP_78745B_786	scaffold4806	NW_004519098.1	786	TT	CC	CC	INTERGENIC		
SNP_78746B_508	scaffold4808	NW_004519100.1	508	GG	CC	CC	INTERGENIC		
SNP_78747B_747	scaffold4808	NW_004519100.1	747	GG	TT	TT	INTERGENIC		
SNP_78748B_760	scaffold4808	NW_004519100.1	760	TT	CC	CC	INTERGENIC		
SNP_78750B_922	scaffold4808	NW_004519100.1	922	TT	GG	GG	INTERGENIC		
SNP_78751B_996	scaffold4808	NW_004519100.1	996	CC	AA	AA	INTERGENIC		
SNP_78752B_1118	scaffold4808	NW_004519100.1	1118	GG	CC	CC	INTERGENIC		
SNP_78753B_994	scaffold4810	NW_004519102.1	994	GG	CC	CC	INTERGENIC		
SNP_78754B_1894	scaffold4810	NW_004519102.1	1894	TT	GG	GG	INTERGENIC		
SNP_78755B_781	scaffold4817	NW_004519106.1	781	CC	TT	TT	INTERGENIC		
SNP_78756B_876	scaffold4817	NW_004519106.1	876	TT	AA	AA	INTERGENIC		
SNP_78757B_878	scaffold4817	NW_004519106.1	878	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78758B_933	scaffold4817	NW_004519106.1	933	TT	GG	GG	INTERGENIC		
SNP_78759B_1781	scaffold4820	NW_004519108.1	1781	TT	CC	CC	INTERGENIC		
SNP_78760B_81	scaffold4822	NW_004519110.1	81	GG	TT	TT	INTERGENIC		
SNP_78762B_710	scaffold4828	NW_004519115.1	710	AA	GG	GG	INTERGENIC		
SNP_78763B_1741	scaffold4828	NW_004519115.1	1741	AA	GG	GG	INTERGENIC		
SNP_78764B_1742	scaffold4828	NW_004519115.1	1742	TT	CC	CC	INTERGENIC		
SNP_78765B_1333	scaffold4829	NW_004519116.1	1333	GG	AA	AA	INTERGENIC		
SNP_78766B_1380	scaffold4829	NW_004519116.1	1380	GG	AA	AA	INTERGENIC		
SNP_78767B_1387	scaffold4829	NW_004519116.1	1387	TT	AA	AA	INTERGENIC		
SNP_78768B_1437	scaffold4829	NW_004519116.1	1437	AA	GG	GG	INTERGENIC		
SNP_78769B_1518	scaffold4829	NW_004519116.1	1518	CC	TT	TT	INTERGENIC		
SNP_78770B_1551	scaffold4829	NW_004519116.1	1551	TT	GG	GG	INTERGENIC		
SNP_78771B_5946	scaffold4829	NW_004519116.1	5946	GG	TT	TT	INTERGENIC		
SNP_78772B_5960	scaffold4829	NW_004519116.1	5960	TT	GG	GG	INTERGENIC		
SNP_78773B_6211	scaffold4829	NW_004519116.1	6211	TT	GG	GG	INTERGENIC		
SNP_78774B_6231	scaffold4829	NW_004519116.1	6231	GG	AA	AA	INTERGENIC		
SNP_78776B_6366	scaffold4829	NW_004519116.1	6366	TT	CC	CC	INTERGENIC		
SNP_78777B_6420	scaffold4829	NW_004519116.1	6420	TT	CC	CC	INTERGENIC		
SNP_78778B_6456	scaffold4829	NW_004519116.1	6456	CC	GG	GG	INTERGENIC		
SNP_78779B_6666	scaffold4829	NW_004519116.1	6666	CC	GG	GG	INTERGENIC		
SNP_78780B_6693	scaffold4829	NW_004519116.1	6693	TT	CC	CC	INTERGENIC		
SNP_78781B_6734	scaffold4829	NW_004519116.1	6734	TT	CC	CC	INTERGENIC		
SNP_78783B_8277	scaffold4829	NW_004519116.1	8277	AA	GG	GG	INTERGENIC		
SNP_78784B_8285	scaffold4829	NW_004519116.1	8285	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78785B_8471	scaffold4829	NW_004519116.1	8471	AA	CC	CC	INTERGENIC		
SNP_78786B_8483	scaffold4829	NW_004519116.1	8483	AA	GG	GG	INTERGENIC		
SNP_78787B_580	scaffold4833	NW_004519118.1	580	AA	GG	GG	INTERGENIC		
SNP_78788B_675	scaffold4833	NW_004519118.1	675	TT	AA	AA	INTERGENIC		
SNP_78790B_1060	scaffold4833	NW_004519118.1	1060	AA	CC	CC	INTERGENIC		
SNP_78791B_1187	scaffold4833	NW_004519118.1	1187	AA	TT	TT	INTERGENIC		
SNP_78792B_1243	scaffold4833	NW_004519118.1	1243	GG	AA	AA	INTERGENIC		
SNP_78793B_1369	scaffold4833	NW_004519118.1	1369	AA	TT	TT	INTERGENIC		
SNP_78794B_3484	scaffold4833	NW_004519118.1	3484	CC	AA	AA	INTERGENIC		
SNP_78795B_3499	scaffold4833	NW_004519118.1	3499	CC	AA	AA	INTERGENIC		
SNP_78796B_3755	scaffold4833	NW_004519118.1	3755	GG	TT	TT	INTERGENIC		
SNP_78798B_5822	scaffold4833	NW_004519118.1	5822	AA	GG	GG	INTERGENIC		
SNP_78799B_5886	scaffold4846	NW_004519126.1	5886	GG	CC	CC	INTERGENIC		
SNP_78800B_5892	scaffold4846	NW_004519126.1	5892	GG	TT	TT	INTERGENIC		
SNP_78801B_5930	scaffold4846	NW_004519126.1	5930	GG	AA	AA	INTERGENIC		
SNP_78802B_6285	scaffold4846	NW_004519126.1	6285	GG	CC	CC	INTERGENIC		
SNP_78803B_658	scaffold4848	NW_004519128.1	658	TT	GG	GG	INTERGENIC		
SNP_78804B_659	scaffold4848	NW_004519128.1	659	GG	AA	AA	INTERGENIC		
SNP_78806B_2088	scaffold4850	NW_004519130.1	2088	GG	AA	AA	INTERGENIC		
SNP_78807B_3224	scaffold4851	NW_004519131.1	3224	CC	AA	AA	INTERGENIC		
SNP_78808B_3461	scaffold4851	NW_004519131.1	3461	TT	AA	AA	INTERGENIC		
SNP_78810B_3578	scaffold4851	NW_004519131.1	3578	AA	GG	GG	INTERGENIC		
SNP_78811B_3601	scaffold4851	NW_004519131.1	3601	AA	CC	CC	INTERGENIC		
SNP_78813B_3639	scaffold4851	NW_004519131.1	3639	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78814B_3806	scaffold4851	NW_004519131.1	3806	AA	GG	GG	INTERGENIC		
SNP_78815B_1938	scaffold4863	NW_004519140.1	1938	GG	AA	AA	INTERGENIC		
SNP_78816B_2007	scaffold4863	NW_004519140.1	2007	AA	GG	GG	INTERGENIC		
SNP_78817B_796	scaffold4865	NW_004519142.1	796	CC	TT	TT	INTERGENIC		
SNP_78818B_1205	scaffold4865	NW_004519142.1	1205	GG	AA	AA	INTERGENIC		
SNP_78819B_1221	scaffold4865	NW_004519142.1	1221	CC	TT	TT	INTERGENIC		
SNP_78820B_1506	scaffold4866	NW_004519143.1	1506	TT	CC	CC	INTERGENIC		
SNP_78821B_633	scaffold4869	NW_004519146.1	633	CC	AA	AA	INTERGENIC		
SNP_78822B_640	scaffold4869	NW_004519146.1	640	GG	AA	AA	INTERGENIC		
SNP_78823B_751	scaffold4869	NW_004519146.1	751	TT	CC	CC	INTERGENIC		
SNP_78824B_770	scaffold4869	NW_004519146.1	770	TT	AA	AA	INTERGENIC		
SNP_78826B_949	scaffold4869	NW_004519146.1	949	CC	GG	GG	INTERGENIC		
SNP_78828B_1221	scaffold4869	NW_004519146.1	1221	TT	AA	AA	INTERGENIC		
SNP_78829B_1240	scaffold4869	NW_004519146.1	1240	AA	TT	TT	INTERGENIC		
SNP_78831B_7769	scaffold4874	NW_004519148.1	7769	AA	GG	GG	INTERGENIC		
SNP_78832B_7827	scaffold4874	NW_004519148.1	7827	AA	GG	GG	INTERGENIC		
SNP_78833B_7982	scaffold4874	NW_004519148.1	7982	GG	AA	AA	INTERGENIC		
SNP_78834B_8031	scaffold4874	NW_004519148.1	8031	AA	GG	GG	INTERGENIC		
SNP_78835B_8032	scaffold4874	NW_004519148.1	8032	AA	GG	GG	INTERGENIC		
SNP_78836B_8065	scaffold4874	NW_004519148.1	8065	GG	CC	CC	INTERGENIC		
SNP_78837B_8131	scaffold4874	NW_004519148.1	8131	CC	AA	AA	INTERGENIC		
SNP_78838B_8146	scaffold4874	NW_004519148.1	8146	AA	GG	GG	INTERGENIC		
SNP_78839B_8184	scaffold4874	NW_004519148.1	8184	AA	GG	GG	INTERGENIC		
SNP_78840B_8236	scaffold4874	NW_004519148.1	8236	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78841B_14504	scaffold4874	NW_004519148.1	14504	GG	AA	AA	INTERGENIC		
SNP_78842B_64	scaffold4884	NW_004519153.1	64	GG	AA	AA	INTERGENIC		
SNP_78843B_799	scaffold4884	NW_004519153.1	799	TT	CC	CC	INTERGENIC		
SNP_78844B_943	scaffold4884	NW_004519153.1	943	TT	GG	GG	INTERGENIC		
SNP_78845B_1077	scaffold4884	NW_004519153.1	1077	AA	GG	GG	INTERGENIC		
SNP_78846B_1096	scaffold4884	NW_004519153.1	1096	TT	CC	CC	INTERGENIC		
SNP_78847B_1117	scaffold4884	NW_004519153.1	1117	GG	CC	CC	INTERGENIC		
SNP_78848B_1733	scaffold4884	NW_004519153.1	1733	TT	GG	GG	INTERGENIC		
SNP_78849B_1859	scaffold4884	NW_004519153.1	1859	TT	AA	AA	INTERGENIC		
SNP_78850B_1876	scaffold4884	NW_004519153.1	1876	AA	GG	GG	INTERGENIC		
SNP_78851B_1921	scaffold4884	NW_004519153.1	1921	AA	TT	TT	INTERGENIC		
SNP_78852B_1966	scaffold4884	NW_004519153.1	1966	AA	GG	GG	INTERGENIC		
SNP_78853B_939	scaffold4888	NW_004519155.1	939	AA	GG	GG	INTERGENIC		
SNP_78854B_2069	scaffold4892	NW_004519158.1	2069	GG	CC	CC	INTERGENIC		
SNP_78855B_2075	scaffold4892	NW_004519158.1	2075	CC	AA	AA	INTERGENIC		
SNP_78856B_392	scaffold4894	NW_004519160.1	392	TT	CC	CC	INTERGENIC		
SNP_78859B_8635	scaffold4902	NW_004519166.1	8635	TT	CC	CC	INTERGENIC		
SNP_78861B_66460	scaffold4902	NW_004519166.1	66460	AA	CC	CC	SYNONYMOUS_CODING	101513925	uncharacterized LOC101513925
SNP_78862B_73370	scaffold4902	NW_004519166.1	73370	TT	CC	CC	INTERGENIC		
SNP_78863B_73396	scaffold4902	NW_004519166.1	73396	CC	TT	TT	INTERGENIC		
SNP_78864B_73687	scaffold4902	NW_004519166.1	73687	GG	AA	AA	INTERGENIC		
SNP_78865B_73692	scaffold4902	NW_004519166.1	73692	TT	GG	GG	INTERGENIC		
SNP_78866B_73732	scaffold4902	NW_004519166.1	73732	TT	AA	AA	INTERGENIC		
SNP_78867B_74512	scaffold4902	NW_004519166.1	74512	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78868B_76522	scaffold4902	NW_004519166.1	76522	AA	GG	GG	INTERGENIC		
SNP_78869B_91253	scaffold4902	NW_004519166.1	91253	AA	CC	CC	INTERGENIC		
SNP_78870B_64	scaffold4905	NW_004519169.1	64	TT	GG	GG	INTERGENIC		
SNP_78871B_382	scaffold4905	NW_004519169.1	382	AA	GG	GG	INTERGENIC		
SNP_78872B_4207	scaffold4917	NW_004519175.1	4207	AA	GG	GG	INTERGENIC		
SNP_78873B_4244	scaffold4917	NW_004519175.1	4244	CC	AA	AA	INTERGENIC		
SNP_78874B_4254	scaffold4917	NW_004519175.1	4254	TT	AA	AA	INTERGENIC		
SNP_78875B_4778	scaffold4917	NW_004519175.1	4778	TT	AA	AA	INTERGENIC		
SNP_78876B_4959	scaffold4917	NW_004519175.1	4959	AA	TT	TT	INTERGENIC		
SNP_78877B_4992	scaffold4917	NW_004519175.1	4992	AA	TT	TT	INTERGENIC		
SNP_78878B_5036	scaffold4917	NW_004519175.1	5036	TT	AA	AA	INTERGENIC		
SNP_78879B_5066	scaffold4917	NW_004519175.1	5066	AA	CC	CC	INTERGENIC		
SNP_78880B_5067	scaffold4917	NW_004519175.1	5067	GG	AA	AA	INTERGENIC		
SNP_78881B_5309	scaffold4917	NW_004519175.1	5309	GG	TT	TT	INTERGENIC		
SNP_78882B_5472	scaffold4917	NW_004519175.1	5472	CC	GG	GG	INTERGENIC		
SNP_78883B_5558	scaffold4917	NW_004519175.1	5558	TT	GG	GG	INTERGENIC		
SNP_78884B_5583	scaffold4917	NW_004519175.1	5583	AA	CC	CC	INTERGENIC		
SNP_78885B_5600	scaffold4917	NW_004519175.1	5600	GG	AA	AA	INTERGENIC		
SNP_78886B_5637	scaffold4917	NW_004519175.1	5637	TT	AA	AA	INTERGENIC		
SNP_78887B_19335	scaffold4920	NW_004519177.1	19335	TT	CC	CC	INTERGENIC		
SNP_78888B_19337	scaffold4920	NW_004519177.1	19337	GG	AA	AA	INTERGENIC		
SNP_78889B_21029	scaffold4920	NW_004519177.1	21029	GG	CC	CC	INTERGENIC		
SNP_78890B_3934	scaffold4923	NW_004519180.1	3934	CC	TT	TT	INTERGENIC		
SNP_78891B_3935	scaffold4923	NW_004519180.1	3935	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78892B_10778	scaffold4923	NW_004519180.1	10778	GG	CC	CC	INTERGENIC		
SNP_78893B_10783	scaffold4923	NW_004519180.1	10783	GG	AA	AA	INTERGENIC		
SNP_78894B_10819	scaffold4923	NW_004519180.1	10819	CC	TT	TT	INTERGENIC		
SNP_78895B_10862	scaffold4923	NW_004519180.1	10862	CC	GG	GG	INTERGENIC		
SNP_78896B_10875	scaffold4923	NW_004519180.1	10875	CC	TT	TT	INTERGENIC		
SNP_78897B_11028	scaffold4923	NW_004519180.1	11028	CC	GG	GG	INTERGENIC		
SNP_78898B_11059	scaffold4923	NW_004519180.1	11059	TT	AA	AA	INTERGENIC		
SNP_78899B_11060	scaffold4923	NW_004519180.1	11060	CC	TT	TT	INTERGENIC		
SNP_78900B_11086	scaffold4923	NW_004519180.1	11086	AA	GG	GG	INTERGENIC		
SNP_78901B_11116	scaffold4923	NW_004519180.1	11116	CC	GG	GG	INTERGENIC		
SNP_78902B_11136	scaffold4923	NW_004519180.1	11136	CC	AA	AA	INTERGENIC		
SNP_78903B_19729	scaffold4923	NW_004519180.1	19729	AA	GG	GG	INTERGENIC		
SNP_78904B_19828	scaffold4923	NW_004519180.1	19828	AA	GG	GG	INTERGENIC		
SNP_78905B_19865	scaffold4923	NW_004519180.1	19865	TT	AA	AA	INTERGENIC		
SNP_78906B_651	scaffold4928	NW_004519184.1	651	TT	AA	AA	INTERGENIC		
SNP_78907B_537	scaffold4937	NW_004519192.1	537	TT	AA	AA	INTERGENIC		
SNP_78908B_666	scaffold4937	NW_004519192.1	666	AA	CC	CC	INTERGENIC		
SNP_78909B_677	scaffold4937	NW_004519192.1	677	GG	TT	TT	INTERGENIC		
SNP_78910B_224	scaffold4939	NW_004519194.1	224	AA	TT	TT	INTERGENIC		
SNP_78911B_379	scaffold4941	NW_004519196.1	379	GG	AA	AA	INTERGENIC		
SNP_78912B_390	scaffold4941	NW_004519196.1	390	AA	TT	TT	INTERGENIC		
SNP_78914B_1380	scaffold4943	NW_004519197.1	1380	TT	CC	CC	INTERGENIC		
SNP_78915B_3974	scaffold4945	NW_004519199.1	3974	TT	CC	CC	INTERGENIC		
SNP_78916B_3977	scaffold4945	NW_004519199.1	3977	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78917B_3982	scaffold4945	NW_004519199.1	3982	TT	CC	CC	INTERGENIC		
SNP_78918B_3991	scaffold4945	NW_004519199.1	3991	AA	GG	GG	INTERGENIC		
SNP_78919B_4002	scaffold4945	NW_004519199.1	4002	TT	CC	CC	INTERGENIC		
SNP_78920B_4051	scaffold4945	NW_004519199.1	4051	CC	GG	GG	INTERGENIC		
SNP_78921B_4187	scaffold4945	NW_004519199.1	4187	GG	AA	AA	INTERGENIC		
SNP_78922B_4198	scaffold4945	NW_004519199.1	4198	CC	AA	AA	INTERGENIC		
SNP_78923B_4313	scaffold4945	NW_004519199.1	4313	GG	AA	AA	INTERGENIC		
SNP_78924B_4321	scaffold4945	NW_004519199.1	4321	CC	TT	TT	INTERGENIC		
SNP_78925B_4335	scaffold4945	NW_004519199.1	4335	TT	CC	CC	INTERGENIC		
SNP_78926B_4370	scaffold4945	NW_004519199.1	4370	TT	GG	GG	INTERGENIC		
SNP_78927B_4424	scaffold4945	NW_004519199.1	4424	AA	GG	GG	INTERGENIC		
SNP_78928B_649	scaffold4946	NW_004519200.1	649	TT	AA	AA	INTERGENIC		
SNP_78929B_734	scaffold4954	NW_004519207.1	734	CC	TT	TT	INTERGENIC		
SNP_78930B_1011	scaffold4954	NW_004519207.1	1011	GG	CC	CC	INTERGENIC		
SNP_78931B_792	scaffold4957	NW_004519210.1	792	TT	AA	AA	INTERGENIC		
SNP_78932B_794	scaffold4957	NW_004519210.1	794	TT	GG	GG	INTERGENIC		
SNP_78933B_796	scaffold4957	NW_004519210.1	796	AA	TT	TT	INTERGENIC		
SNP_78934B_840	scaffold4957	NW_004519210.1	840	TT	GG	GG	INTERGENIC		
SNP_78935B_841	scaffold4957	NW_004519210.1	841	GG	AA	AA	INTERGENIC		
SNP_78936B_1096	scaffold4960	NW_004519212.1	1096	CC	AA	AA	INTERGENIC		
SNP_78937B_1125	scaffold4970	NW_004519218.1	1125	CC	TT	TT	INTERGENIC		
SNP_78938B_1126	scaffold4970	NW_004519218.1	1126	AA	GG	GG	INTERGENIC		
SNP_78939B_1400	scaffold4972	NW_004519220.1	1400	TT	GG	GG	INTERGENIC		
SNP_78940B_1463	scaffold4972	NW_004519220.1	1463	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78941B_1465	scaffold4972	NW_004519220.1	1465	GG	TT	TT	INTERGENIC		
SNP_78942B_27104	scaffold4978	NW_004519225.1	27104	CC	TT	TT	INTERGENIC		
SNP_78943B_126	scaffold4979	NW_004519226.1	126	TT	CC	CC	INTERGENIC		
SNP_78944B_1049	scaffold4983	NW_004519230.1	1049	AA	CC	CC	INTERGENIC		
SNP_78945B_1166	scaffold4983	NW_004519230.1	1166	TT	CC	CC	INTERGENIC		
SNP_78946B_20901	scaffold4983	NW_004519230.1	20901	AA	CC	CC	URR	101514265	Unknown function
SNP_78947B_21187	scaffold4983	NW_004519230.1	21187	GG	TT	TT	URR	101514265	Unknown function
SNP_78948B_23863	scaffold4983	NW_004519230.1	23863	GG	AA	AA	INTERGENIC		
SNP_78949B_23901	scaffold4983	NW_004519230.1	23901	AA	GG	GG	INTERGENIC		
SNP_78950B_23916	scaffold4983	NW_004519230.1	23916	CC	AA	AA	INTERGENIC		
SNP_78951B_26981	scaffold4983	NW_004519230.1	26981	TT	CC	CC	INTERGENIC		
SNP_78955B_27976	scaffold4983	NW_004519230.1	27976	TT	CC	CC	INTERGENIC		
SNP_78956B_64	scaffold4984	NW_004519231.1	64	TT	AA	AA	INTERGENIC		
SNP_78957B_117	scaffold4984	NW_004519231.1	117	TT	GG	GG	INTERGENIC		
SNP_78958B_516	scaffold4984	NW_004519231.1	516	GG	TT	TT	INTERGENIC		
SNP_78959B_999	scaffold4984	NW_004519231.1	999	AA	GG	GG	INTERGENIC		
SNP_78960B_1012	scaffold4984	NW_004519231.1	1012	AA	GG	GG	INTERGENIC		
SNP_78961B_1323	scaffold4984	NW_004519231.1	1323	AA	CC	CC	INTERGENIC		
SNP_78962B_4861	scaffold4991	NW_004519235.1	4861	AA	GG	GG	INTERGENIC		
SNP_78963B_4871	scaffold4991	NW_004519235.1	4871	GG	AA	AA	INTERGENIC		
SNP_78964B_408	scaffold4996	NW_004519239.1	408	CC	TT	TT	INTERGENIC		
SNP_78965B_1689	scaffold4996	NW_004519239.1	1689	CC	TT	TT	INTERGENIC		
SNP_78966B_2127	scaffold4996	NW_004519239.1	2127	AA	TT	TT	INTERGENIC		
SNP_78967B_642	scaffold5001	NW_004519242.1	642	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78968B_659	scaffold5001	NW_004519242.1	659	AA	GG	GG	INTERGENIC		
SNP_78969B_958	scaffold5001	NW_004519242.1	958	CC	TT	TT	INTERGENIC		
SNP_78970B_398	scaffold5010	NW_004519247.1	398	GG	TT	TT	INTERGENIC		
SNP_78971B_4114	scaffold5016	NW_004519251.1	4114	AA	GG	GG	INTERGENIC		
SNP_78972B_4366	scaffold5016	NW_004519251.1	4366	TT	GG	GG	INTERGENIC		
SNP_78973B_4367	scaffold5016	NW_004519251.1	4367	TT	CC	CC	INTERGENIC		
SNP_78974B_4374	scaffold5016	NW_004519251.1	4374	CC	TT	TT	INTERGENIC		
SNP_78975B_4389	scaffold5016	NW_004519251.1	4389	GG	CC	CC	INTERGENIC		
SNP_78976B_4405	scaffold5016	NW_004519251.1	4405	TT	AA	AA	INTERGENIC		
SNP_78977B_4406	scaffold5016	NW_004519251.1	4406	TT	CC	CC	INTERGENIC		
SNP_78978B_4424	scaffold5016	NW_004519251.1	4424	AA	GG	GG	INTERGENIC		
SNP_78979B_4435	scaffold5016	NW_004519251.1	4435	CC	GG	GG	INTERGENIC		
SNP_78980B_4925	scaffold5016	NW_004519251.1	4925	TT	CC	CC	INTERGENIC		
SNP_78981B_9100	scaffold5023	NW_004519254.1	9100	AA	GG	GG	INTERGENIC		
SNP_78982B_9193	scaffold5023	NW_004519254.1	9193	CC	TT	TT	INTERGENIC		
SNP_78983B_781	scaffold5028	NW_004519258.1	781	AA	GG	GG	INTERGENIC		
SNP_78984B_868	scaffold5028	NW_004519258.1	868	CC	AA	AA	INTERGENIC		
SNP_78985B_960	scaffold5028	NW_004519258.1	960	GG	AA	AA	INTERGENIC		
SNP_78986B_981	scaffold5028	NW_004519258.1	981	AA	GG	GG	INTERGENIC		
SNP_78987B_1039	scaffold5028	NW_004519258.1	1039	AA	GG	GG	INTERGENIC		
SNP_78988B_1054	scaffold5028	NW_004519258.1	1054	TT	GG	GG	INTERGENIC		
SNP_78989B_1075	scaffold5028	NW_004519258.1	1075	AA	CC	CC	INTERGENIC		
SNP_78990B_403	scaffold5030	NW_004519260.1	403	GG	AA	AA	INTERGENIC		
SNP_78991B_803	scaffold5030	NW_004519260.1	803	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_78993B_985	scaffold5030	NW_004519260.1	985	GG	TT	TT	INTERGENIC		
SNP_78994B_1194	scaffold5030	NW_004519260.1	1194	TT	CC	CC	INTERGENIC		
SNP_78996B_18514	scaffold5030	NW_004519260.1	18514	CC	TT	TT	INTERGENIC		
SNP_78997B_18551	scaffold5030	NW_004519260.1	18551	TT	CC	CC	INTERGENIC		
SNP_78998B_18885	scaffold5030	NW_004519260.1	18885	TT	CC	CC	INTERGENIC		
SNP_78999B_138	scaffold5031	NW_004519261.1	138	AA	GG	GG	INTERGENIC		
SNP_79000B_468	scaffold5031	NW_004519261.1	468	GG	AA	AA	INTERGENIC		
SNP_79001B_408	scaffold5033	NW_004519263.1	408	AA	TT	TT	INTERGENIC		
SNP_79002B_416	scaffold5033	NW_004519263.1	416	CC	GG	GG	INTERGENIC		
SNP_79003B_2085	scaffold5033	NW_004519263.1	2085	AA	GG	GG	INTERGENIC		
SNP_79004B_2151	scaffold5033	NW_004519263.1	2151	CC	TT	TT	INTERGENIC		
SNP_79005B_563	scaffold5052	NW_004519273.1	563	AA	TT	TT	INTERGENIC		
SNP_79006B_157	scaffold5059	NW_004519278.1	157	GG	AA	AA	INTERGENIC		
SNP_79007B_223	scaffold5059	NW_004519278.1	223	AA	GG	GG	INTERGENIC		
SNP_79008B_480	scaffold5059	NW_004519278.1	480	AA	CC	CC	INTERGENIC		
SNP_79009B_507	scaffold5059	NW_004519278.1	507	GG	CC	CC	INTERGENIC		
SNP_79010B_90	scaffold5072	NW_004519286.1	90	CC	GG	GG	INTERGENIC		
SNP_79011B_133	scaffold5072	NW_004519286.1	133	GG	CC	CC	INTERGENIC		
SNP_79012B_136	scaffold5072	NW_004519286.1	136	GG	CC	CC	INTERGENIC		
SNP_79013B_222	scaffold5072	NW_004519286.1	222	GG	AA	AA	INTERGENIC		
SNP_79014B_519	scaffold5072	NW_004519286.1	519	TT	AA	AA	INTERGENIC		
SNP_79015B_5687	scaffold5072	NW_004519286.1	5687	AA	GG	GG	INTERGENIC		
SNP_79016B_5716	scaffold5072	NW_004519286.1	5716	CC	TT	TT	INTERGENIC		
SNP_79017B_5746	scaffold5072	NW_004519286.1	5746	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79018B_5851	scaffold5072	NW_004519286.1	5851	TT	CC	CC	INTERGENIC		
SNP_79019B_5896	scaffold5072	NW_004519286.1	5896	CC	TT	TT	INTERGENIC		
SNP_79020B_6028	scaffold5072	NW_004519286.1	6028	TT	CC	CC	INTERGENIC		
SNP_79021B_6235	scaffold5072	NW_004519286.1	6235	GG	AA	AA	INTERGENIC		
SNP_79022B_6320	scaffold5072	NW_004519286.1	6320	AA	GG	GG	INTERGENIC		
SNP_79023B_6407	scaffold5072	NW_004519286.1	6407	CC	GG	GG	INTERGENIC		
SNP_79024B_1387	scaffold5076	NW_004519290.1	1387	GG	TT	TT	INTERGENIC		
SNP_79025B_1396	scaffold5076	NW_004519290.1	1396	AA	GG	GG	INTERGENIC		
SNP_79026B_63	scaffold5081	NW_004519293.1	63	CC	TT	TT	INTERGENIC		
SNP_79027B_107	scaffold5081	NW_004519293.1	107	GG	AA	AA	INTERGENIC		
SNP_79028B_376	scaffold5082	NW_004519294.1	376	AA	GG	GG	INTERGENIC		
SNP_79029B_509	scaffold5082	NW_004519294.1	509	TT	CC	CC	INTERGENIC		
SNP_79030B_808	scaffold5082	NW_004519294.1	808	AA	CC	CC	INTERGENIC		
SNP_79031B_955	scaffold5082	NW_004519294.1	955	CC	TT	TT	INTERGENIC		
SNP_79032B_966	scaffold5082	NW_004519294.1	966	TT	GG	GG	INTERGENIC		
SNP_79033B_64	scaffold5083	NW_004519295.1	64	CC	TT	TT	INTERGENIC		
SNP_79034B_101	scaffold5083	NW_004519295.1	101	AA	GG	GG	INTERGENIC		
SNP_79035B_613	scaffold5083	NW_004519295.1	613	AA	TT	TT	INTERGENIC		
SNP_79036B_787	scaffold5083	NW_004519295.1	787	CC	AA	AA	INTERGENIC		
SNP_79037B_4120	scaffold5083	NW_004519295.1	4120	CC	AA	AA	INTERGENIC		
SNP_79038B_3124	scaffold5089	NW_004519298.1	3124	CC	TT	TT	INTERGENIC		
SNP_79039B_3162	scaffold5089	NW_004519298.1	3162	AA	GG	GG	INTERGENIC		
SNP_79040B_3185	scaffold5089	NW_004519298.1	3185	TT	CC	CC	INTERGENIC		
SNP_79041B_3193	scaffold5089	NW_004519298.1	3193	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79042B_3213	scaffold5089	NW_004519298.1	3213	GG	AA	AA	INTERGENIC		
SNP_79043B_3271	scaffold5089	NW_004519298.1	3271	CC	TT	TT	INTERGENIC		
SNP_79044B_3286	scaffold5089	NW_004519298.1	3286	AA	GG	GG	INTERGENIC		
SNP_79045B_3383	scaffold5089	NW_004519298.1	3383	GG	AA	AA	INTERGENIC		
SNP_79046B_3417	scaffold5089	NW_004519298.1	3417	AA	GG	GG	INTERGENIC		
SNP_79047B_3421	scaffold5089	NW_004519298.1	3421	TT	CC	CC	INTERGENIC		
SNP_79048B_3432	scaffold5089	NW_004519298.1	3432	CC	TT	TT	INTERGENIC		
SNP_79049B_3483	scaffold5089	NW_004519298.1	3483	CC	AA	AA	INTERGENIC		
SNP_79050B_3489	scaffold5089	NW_004519298.1	3489	AA	GG	GG	INTERGENIC		
SNP_79051B_3530	scaffold5089	NW_004519298.1	3530	AA	GG	GG	INTERGENIC		
SNP_79052B_3535	scaffold5089	NW_004519298.1	3535	GG	TT	TT	INTERGENIC		
SNP_79053B_3578	scaffold5089	NW_004519298.1	3578	GG	AA	AA	INTERGENIC		
SNP_79054B_3735	scaffold5089	NW_004519298.1	3735	TT	GG	GG	INTERGENIC		
SNP_79055B_6062	scaffold5089	NW_004519298.1	6062	TT	GG	GG	INTERGENIC		
SNP_79056B_7358	scaffold5089	NW_004519298.1	7358	AA	GG	GG	INTERGENIC		
SNP_79057B_1019	scaffold5090	NW_004519299.1	1019	CC	TT	TT	INTERGENIC		
SNP_79058B_707	scaffold5094	NW_004519300.1	707	AA	CC	CC	INTERGENIC		
SNP_79059B_2180	scaffold5094	NW_004519300.1	2180	TT	CC	CC	INTERGENIC		
SNP_79061B_70	scaffold5103	NW_004519305.1	70	TT	AA	AA	INTERGENIC		
SNP_79063B_181	scaffold5103	NW_004519305.1	181	GG	TT	TT	INTERGENIC		
SNP_79064B_578	scaffold5111	NW_004519308.1	578	CC	TT	TT	INTERGENIC		
SNP_79065B_582	scaffold5111	NW_004519308.1	582	TT	CC	CC	INTERGENIC		
SNP_79066B_603	scaffold5111	NW_004519308.1	603	CC	AA	AA	INTERGENIC		
SNP_79067B_776	scaffold5111	NW_004519308.1	776	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79068B_808	scaffold5111	NW_004519308.1	808	AA	TT	TT	INTERGENIC		
SNP_79069B_919	scaffold5111	NW_004519308.1	919	TT	CC	CC	INTERGENIC		
SNP_79070B_961	scaffold5111	NW_004519308.1	961	CC	TT	TT	INTERGENIC		
SNP_79072B_20506	scaffold5115	NW_004519311.1	20506	AA	CC	CC	INTERGENIC		
SNP_79073B_7750	scaffold5120	NW_004519314.1	7750	TT	GG	GG	INTERGENIC		
SNP_79076B_15237	scaffold5120	NW_004519314.1	15237	CC	TT	TT	INTERGENIC		
SNP_79078B_15563	scaffold5120	NW_004519314.1	15563	TT	CC	CC	DRR	101514904	Unknown function
SNP_79079B_16153	scaffold5120	NW_004519314.1	16153	GG	AA	AA	DRR	101514904	Unknown function
SNP_79080B_16403	scaffold5120	NW_004519314.1	16403	CC	AA	AA	DRR	101514904	Unknown function
SNP_79081B_16593	scaffold5120	NW_004519314.1	16593	GG	AA	AA	SYNONYMOUS_CODING	101514904	Unknown function
SNP_79082B_617	scaffold5125	NW_004519318.1	617	GG	TT	TT	INTERGENIC		
SNP_79083B_6776	scaffold5126	NW_004519319.1	6776	CC	GG	GG	INTERGENIC		
SNP_79084B_118	scaffold5135	NW_004519324.1	118	AA	TT	TT	INTERGENIC		
SNP_79085B_3260	scaffold5135	NW_004519324.1	3260	AA	GG	GG	INTERGENIC		
SNP_79086B_152	scaffold5143	NW_004519328.1	152	GG	TT	TT	INTERGENIC		
SNP_79087B_264	scaffold5146	NW_004519331.1	264	TT	GG	GG	INTERGENIC		
SNP_79088B_2061	scaffold5155	NW_004519337.1	2061	GG	CC	CC	INTERGENIC		
SNP_79089B_2109	scaffold5155	NW_004519337.1	2109	AA	TT	TT	INTERGENIC		
SNP_79090B_2121	scaffold5155	NW_004519337.1	2121	AA	TT	TT	INTERGENIC		
SNP_79091B_2141	scaffold5155	NW_004519337.1	2141	GG	AA	AA	INTERGENIC		
SNP_79092B_2155	scaffold5155	NW_004519337.1	2155	GG	AA	AA	INTERGENIC		
SNP_79093B_2167	scaffold5155	NW_004519337.1	2167	AA	GG	GG	INTERGENIC		
SNP_79094B_2179	scaffold5155	NW_004519337.1	2179	AA	CC	CC	INTERGENIC		
SNP_79095B_2235	scaffold5155	NW_004519337.1	2235	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79096B_2251	scaffold5155	NW_004519337.1	2251	TT	GG	GG	INTERGENIC		
SNP_79097B_4734	scaffold5157	NW_004519339.1	4734	TT	AA	AA	INTERGENIC		
SNP_79098B_5804	scaffold5158	NW_004519340.1	5804	AA	GG	GG	INTERGENIC		
SNP_79100B_6597	scaffold5158	NW_004519340.1	6597	TT	CC	CC	DRR	101488631	putative F-box protein At3g16210
SNP_79101B_6620	scaffold5158	NW_004519340.1	6620	GG	TT	TT	DRR	101488631	putative F-box protein At3g16210
SNP_79102B_8320	scaffold5158	NW_004519340.1	8320	GG	AA	AA	SYNONYMOUS_CODING	101488631	putative F-box protein At3g16210
SNP_79103B_9955	scaffold5158	NW_004519340.1	9955	CC	AA	AA	URR	101488631	putative F-box protein At3g16210
SNP_79104B_10500	scaffold5158	NW_004519340.1	10500	AA	GG	GG	URR	101488631	putative F-box protein At3g16210
SNP_79105B_13365	scaffold5158	NW_004519340.1	13365	GG	AA	AA	INTERGENIC		
SNP_79106B_13376	scaffold5158	NW_004519340.1	13376	AA	CC	CC	INTERGENIC		
SNP_79107B_14304	scaffold5158	NW_004519340.1	14304	AA	GG	GG	INTERGENIC		
SNP_79108B_14316	scaffold5158	NW_004519340.1	14316	GG	TT	TT	INTERGENIC		
SNP_79109B_14325	scaffold5158	NW_004519340.1	14325	AA	TT	TT	INTERGENIC		
SNP_79110B_14494	scaffold5158	NW_004519340.1	14494	GG	TT	TT	INTERGENIC		
SNP_79111B_16673	scaffold5158	NW_004519340.1	16673	CC	TT	TT	INTERGENIC		
SNP_79112B_16702	scaffold5158	NW_004519340.1	16702	TT	CC	CC	INTERGENIC		
SNP_79113B_16746	scaffold5158	NW_004519340.1	16746	CC	TT	TT	INTERGENIC		
SNP_79114B_16812	scaffold5158	NW_004519340.1	16812	GG	AA	AA	INTERGENIC		
SNP_79115B_16843	scaffold5158	NW_004519340.1	16843	AA	GG	GG	INTERGENIC		
SNP_79116B_16941	scaffold5158	NW_004519340.1	16941	GG	AA	AA	INTERGENIC		
SNP_79117B_17025	scaffold5158	NW_004519340.1	17025	AA	GG	GG	INTERGENIC		
SNP_79119B_17115	scaffold5158	NW_004519340.1	17115	TT	CC	CC	INTERGENIC		
SNP_79120B_17138	scaffold5158	NW_004519340.1	17138	CC	AA	AA	INTERGENIC		
SNP_79121B_17140	scaffold5158	NW_004519340.1	17140	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79122B_17289	scaffold5158	NW_004519340.1	17289	AA	GG	GG	INTERGENIC		
SNP_79123B_17298	scaffold5158	NW_004519340.1	17298	TT	GG	GG	INTERGENIC		
SNP_79124B_17347	scaffold5158	NW_004519340.1	17347	TT	CC	CC	INTERGENIC		
SNP_79125B_17405	scaffold5158	NW_004519340.1	17405	GG	AA	AA	INTERGENIC		
SNP_79126B_17410	scaffold5158	NW_004519340.1	17410	TT	CC	CC	INTERGENIC		
SNP_79127B_17436	scaffold5158	NW_004519340.1	17436	GG	AA	AA	INTERGENIC		
SNP_79128B_17490	scaffold5158	NW_004519340.1	17490	AA	GG	GG	INTERGENIC		
SNP_79129B_17631	scaffold5158	NW_004519340.1	17631	GG	AA	AA	INTERGENIC		
SNP_79130B_17683	scaffold5158	NW_004519340.1	17683	TT	CC	CC	INTERGENIC		
SNP_79131B_17684	scaffold5158	NW_004519340.1	17684	GG	AA	AA	INTERGENIC		
SNP_79132B_17794	scaffold5158	NW_004519340.1	17794	CC	TT	TT	INTERGENIC		
SNP_79133B_17850	scaffold5158	NW_004519340.1	17850	TT	CC	CC	INTERGENIC		
SNP_79135B_18308	scaffold5158	NW_004519340.1	18308	AA	GG	GG	INTERGENIC		
SNP_79136B_18485	scaffold5158	NW_004519340.1	18485	TT	AA	AA	INTERGENIC		
SNP_79137B_18937	scaffold5158	NW_004519340.1	18937	TT	CC	CC	INTERGENIC		
SNP_79138B_19012	scaffold5158	NW_004519340.1	19012	AA	GG	GG	INTERGENIC		
SNP_79139B_21446	scaffold5158	NW_004519340.1	21446	GG	AA	AA	INTERGENIC		
SNP_79140B_21492	scaffold5158	NW_004519340.1	21492	CC	TT	TT	INTERGENIC		
SNP_79141B_21584	scaffold5158	NW_004519340.1	21584	TT	CC	CC	INTERGENIC		
SNP_79142B_1278	scaffold5161	NW_004519343.1	1278	TT	CC	CC	INTERGENIC		
SNP_79143B_932	scaffold5165	NW_004519347.1	932	AA	GG	GG	INTERGENIC		
SNP_79144B_1098	scaffold5165	NW_004519347.1	1098	TT	CC	CC	INTERGENIC		
SNP_79145B_1255	scaffold5165	NW_004519347.1	1255	CC	AA	AA	INTERGENIC		
SNP_79146B_1311	scaffold5165	NW_004519347.1	1311	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79147B_1322	scaffold5165	NW_004519347.1	1322	GG	TT	TT	INTERGENIC		
SNP_79148B_1331	scaffold5165	NW_004519347.1	1331	CC	AA	AA	INTERGENIC		
SNP_79149B_1363	scaffold5165	NW_004519347.1	1363	CC	TT	TT	INTERGENIC		
SNP_79150B_1763	scaffold5165	NW_004519347.1	1763	TT	CC	CC	INTERGENIC		
SNP_79151B_463	scaffold5180	NW_004519356.1	463	CC	TT	TT	INTERGENIC		
SNP_79152B_5141	scaffold5185	NW_004519358.1	5141	CC	GG	GG	URR	101489297	Unknown function
SNP_79153B_5145	scaffold5185	NW_004519358.1	5145	CC	TT	TT	URR	101489297	Unknown function
SNP_79154B_5418	scaffold5185	NW_004519358.1	5418	AA	CC	CC	URR	101489297	Unknown function
SNP_79155B_5437	scaffold5185	NW_004519358.1	5437	AA	GG	GG	URR	101489297	Unknown function
SNP_79156B_5793	scaffold5185	NW_004519358.1	5793	TT	GG	GG	URR	101489297	Unknown function
SNP_79157B_6028	scaffold5185	NW_004519358.1	6028	AA	GG	GG	URR	101489297	Unknown function
SNP_79158B_6060	scaffold5185	NW_004519358.1	6060	GG	CC	CC	URR	101489297	Unknown function
SNP_79159B_7460	scaffold5186	NW_004519359.1	7460	CC	TT	TT	INTERGENIC		
SNP_79160B_7606	scaffold5186	NW_004519359.1	7606	CC	AA	AA	INTERGENIC		
SNP_79161B_8253	scaffold5186	NW_004519359.1	8253	CC	GG	GG	INTERGENIC		
SNP_79162B_8264	scaffold5186	NW_004519359.1	8264	AA	GG	GG	INTERGENIC		
SNP_79163B_8461	scaffold5186	NW_004519359.1	8461	CC	AA	AA	INTERGENIC		
SNP_79164B_8469	scaffold5186	NW_004519359.1	8469	TT	CC	CC	INTERGENIC		
SNP_79166B_9064	scaffold5186	NW_004519359.1	9064	GG	TT	TT	INTERGENIC		
SNP_79167B_9113	scaffold5186	NW_004519359.1	9113	AA	CC	CC	INTERGENIC		
SNP_79168B_9146	scaffold5186	NW_004519359.1	9146	AA	GG	GG	INTERGENIC		
SNP_79169B_10263	scaffold5186	NW_004519359.1	10263	TT	CC	CC	INTERGENIC		
SNP_79170B_10577	scaffold5186	NW_004519359.1	10577	TT	GG	GG	INTERGENIC		
SNP_79171B_10782	scaffold5186	NW_004519359.1	10782	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79172B_11267	scaffold5186	NW_004519359.1	11267	TT	AA	AA	INTERGENIC		
SNP_79173B_11545	scaffold5186	NW_004519359.1	11545	GG	AA	AA	INTERGENIC		
SNP_79174B_11746	scaffold5186	NW_004519359.1	11746	TT	CC	CC	INTERGENIC		
SNP_79175B_12966	scaffold5186	NW_004519359.1	12966	TT	AA	AA	INTERGENIC		
SNP_79176B_13008	scaffold5186	NW_004519359.1	13008	TT	GG	GG	INTERGENIC		
SNP_79177B_13266	scaffold5186	NW_004519359.1	13266	AA	TT	TT	INTERGENIC		
SNP_79178B_14494	scaffold5186	NW_004519359.1	14494	TT	CC	CC	INTERGENIC		
SNP_79179B_14932	scaffold5186	NW_004519359.1	14932	TT	CC	CC	INTERGENIC		
SNP_79180B_15096	scaffold5186	NW_004519359.1	15096	GG	AA	AA	INTERGENIC		
SNP_79181B_15165	scaffold5186	NW_004519359.1	15165	GG	TT	TT	INTERGENIC		
SNP_79182B_15295	scaffold5186	NW_004519359.1	15295	GG	CC	CC	INTERGENIC		
SNP_79183B_15449	scaffold5186	NW_004519359.1	15449	CC	TT	TT	INTERGENIC		
SNP_79184B_15573	scaffold5186	NW_004519359.1	15573	CC	TT	TT	INTERGENIC		
SNP_79185B_15678	scaffold5186	NW_004519359.1	15678	AA	CC	CC	INTERGENIC		
SNP_79186B_15817	scaffold5186	NW_004519359.1	15817	TT	CC	CC	INTERGENIC		
SNP_79187B_15842	scaffold5186	NW_004519359.1	15842	CC	TT	TT	INTERGENIC		
SNP_79188B_16040	scaffold5186	NW_004519359.1	16040	CC	GG	GG	INTERGENIC		
SNP_79189B_16108	scaffold5186	NW_004519359.1	16108	CC	TT	TT	INTERGENIC		
SNP_79190B_16226	scaffold5186	NW_004519359.1	16226	CC	GG	GG	INTERGENIC		
SNP_79191B_16236	scaffold5186	NW_004519359.1	16236	CC	AA	AA	INTERGENIC		
SNP_79192B_17122	scaffold5186	NW_004519359.1	17122	TT	CC	CC	INTERGENIC		
SNP_79193B_19983	scaffold5186	NW_004519359.1	19983	GG	AA	AA	INTERGENIC		
SNP_79194B_20213	scaffold5186	NW_004519359.1	20213	TT	AA	AA	INTERGENIC		
SNP_79195B_20312	scaffold5186	NW_004519359.1	20312	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79196B_20338	scaffold5186	NW_004519359.1	20338	AA	GG	GG	INTERGENIC		
SNP_79197B_20601	scaffold5186	NW_004519359.1	20601	AA	GG	GG	INTERGENIC		
SNP_79198B_20646	scaffold5186	NW_004519359.1	20646	GG	CC	CC	INTERGENIC		
SNP_79199B_20752	scaffold5186	NW_004519359.1	20752	CC	TT	TT	INTERGENIC		
SNP_79200B_20804	scaffold5186	NW_004519359.1	20804	AA	TT	TT	INTERGENIC		
SNP_79201B_20807	scaffold5186	NW_004519359.1	20807	AA	TT	TT	INTERGENIC		
SNP_79202B_21198	scaffold5186	NW_004519359.1	21198	TT	GG	GG	INTERGENIC		
SNP_79203B_21300	scaffold5186	NW_004519359.1	21300	AA	CC	CC	INTERGENIC		
SNP_79204B_23550	scaffold5186	NW_004519359.1	23550	CC	AA	AA	INTERGENIC		
SNP_79205B_27055	scaffold5186	NW_004519359.1	27055	CC	TT	TT	INTERGENIC		
SNP_79207B_5234	scaffold5195	NW_004519364.1	5234	AA	GG	GG	DRR	101410586	transfer RNA asparagine (anticodon GUU)
SNP_79208B_5274	scaffold5195	NW_004519364.1	5274	TT	CC	CC	DRR	101410586	transfer RNA asparagine (anticodon GUU)
SNP_79209B_5332	scaffold5195	NW_004519364.1	5332	TT	CC	CC	DRR	101410586	transfer RNA asparagine (anticodon GUU)
SNP_79210B_5333	scaffold5195	NW_004519364.1	5333	TT	AA	AA	DRR	101410586	transfer RNA asparagine (anticodon GUU)
SNP_79211B_6370	scaffold5195	NW_004519364.1	6370	CC	AA	AA	URR	101410586	transfer RNA asparagine (anticodon GUU)
SNP_79212B_6374	scaffold5195	NW_004519364.1	6374	CC	GG	GG	URR	101410586	transfer RNA asparagine (anticodon GUU)
SNP_79214B_3981	scaffold5198	NW_004519365.1	3981	CC	AA	AA	INTERGENIC		
SNP_79215B_4038	scaffold5198	NW_004519365.1	4038	CC	TT	TT	INTERGENIC		
SNP_79216B_4039	scaffold5198	NW_004519365.1	4039	GG	AA	AA	INTERGENIC		
SNP_79217B_4043	scaffold5198	NW_004519365.1	4043	CC	GG	GG	INTERGENIC		
SNP_79218B_4044	scaffold5198	NW_004519365.1	4044	AA	TT	TT	INTERGENIC		
SNP_79219B_4068	scaffold5198	NW_004519365.1	4068	GG	AA	AA	INTERGENIC		
SNP_79220B_4251	scaffold5198	NW_004519365.1	4251	CC	TT	TT	INTERGENIC		
SNP_79222B_385	scaffold5199	NW_004519366.1	385	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79223B_475	scaffold5199	NW_004519366.1	475	AA	CC	CC	INTERGENIC		
SNP_79224B_829	scaffold5199	NW_004519366.1	829	AA	TT	TT	INTERGENIC		
SNP_79225B_1065	scaffold5199	NW_004519366.1	1065	CC	GG	GG	INTERGENIC		
SNP_79226B_312	scaffold5200	NW_004519367.1	312	AA	GG	GG	INTERGENIC		
SNP_79227B_106	scaffold5202	NW_004519369.1	106	AA	GG	GG	INTERGENIC		
SNP_79228B_375	scaffold5202	NW_004519369.1	375	GG	TT	TT	INTERGENIC		
SNP_79229B_491	scaffold5204	NW_004519370.1	491	AA	GG	GG	INTERGENIC		
SNP_79230B_573	scaffold5204	NW_004519370.1	573	CC	TT	TT	INTERGENIC		
SNP_79231B_616	scaffold5204	NW_004519370.1	616	GG	CC	CC	INTERGENIC		
SNP_79232B_1000	scaffold5204	NW_004519370.1	1000	TT	AA	AA	INTERGENIC		
SNP_79233B_1039	scaffold5204	NW_004519370.1	1039	CC	AA	AA	INTERGENIC		
SNP_79234B_1048	scaffold5204	NW_004519370.1	1048	AA	CC	CC	INTERGENIC		
SNP_79235B_1115	scaffold5204	NW_004519370.1	1115	AA	TT	TT	INTERGENIC		
SNP_79236B_1270	scaffold5204	NW_004519370.1	1270	AA	GG	GG	INTERGENIC		
SNP_79237B_1317	scaffold5204	NW_004519370.1	1317	AA	GG	GG	INTERGENIC		
SNP_79238B_611	scaffold5207	NW_004519372.1	611	CC	TT	TT	INTERGENIC		
SNP_79239B_751	scaffold5207	NW_004519372.1	751	TT	CC	CC	INTERGENIC		
SNP_79240B_948	scaffold5211	NW_004519376.1	948	AA	TT	TT	INTERGENIC		
SNP_79241B_1179	scaffold5211	NW_004519376.1	1179	GG	TT	TT	INTERGENIC		
SNP_79242B_1281	scaffold5211	NW_004519376.1	1281	CC	TT	TT	INTERGENIC		
SNP_79243B_1357	scaffold5211	NW_004519376.1	1357	CC	AA	AA	INTERGENIC		
SNP_79244B_1659	scaffold5211	NW_004519376.1	1659	CC	TT	TT	INTERGENIC		
SNP_79245B_1804	scaffold5211	NW_004519376.1	1804	TT	CC	CC	INTERGENIC		
SNP_79246B_1869	scaffold5211	NW_004519376.1	1869	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79247B_2216	scaffold5211	NW_004519376.1	2216	AA	GG	GG	INTERGENIC		
SNP_79248B_2317	scaffold5211	NW_004519376.1	2317	TT	CC	CC	INTERGENIC		
SNP_79249B_2386	scaffold5211	NW_004519376.1	2386	AA	GG	GG	INTERGENIC		
SNP_79250B_2738	scaffold5211	NW_004519376.1	2738	GG	TT	TT	INTERGENIC		
SNP_79251B_2782	scaffold5211	NW_004519376.1	2782	CC	AA	AA	INTERGENIC		
SNP_79252B_2893	scaffold5211	NW_004519376.1	2893	GG	AA	AA	INTERGENIC		
SNP_79253B_2928	scaffold5211	NW_004519376.1	2928	CC	GG	GG	INTERGENIC		
SNP_79254B_3088	scaffold5211	NW_004519376.1	3088	AA	GG	GG	INTERGENIC		
SNP_79255B_3382	scaffold5211	NW_004519376.1	3382	TT	CC	CC	INTERGENIC		
SNP_79256B_3522	scaffold5211	NW_004519376.1	3522	GG	AA	AA	INTERGENIC		
SNP_79257B_3657	scaffold5211	NW_004519376.1	3657	CC	TT	TT	INTERGENIC		
SNP_79259B_3789	scaffold5211	NW_004519376.1	3789	AA	CC	CC	INTERGENIC		
SNP_79260B_3816	scaffold5211	NW_004519376.1	3816	CC	AA	AA	INTERGENIC		
SNP_79261B_3850	scaffold5211	NW_004519376.1	3850	CC	TT	TT	INTERGENIC		
SNP_79262B_3869	scaffold5211	NW_004519376.1	3869	AA	CC	CC	INTERGENIC		
SNP_79263B_4094	scaffold5211	NW_004519376.1	4094	GG	AA	AA	INTERGENIC		
SNP_79264B_4104	scaffold5211	NW_004519376.1	4104	TT	CC	CC	INTERGENIC		
SNP_79265B_4565	scaffold5211	NW_004519376.1	4565	AA	GG	GG	INTERGENIC		
SNP_79266B_4900	scaffold5211	NW_004519376.1	4900	GG	AA	AA	INTERGENIC		
SNP_79267B_4971	scaffold5211	NW_004519376.1	4971	AA	GG	GG	INTERGENIC		
SNP_79268B_5329	scaffold5211	NW_004519376.1	5329	AA	GG	GG	INTERGENIC		
SNP_79269B_5474	scaffold5211	NW_004519376.1	5474	TT	CC	CC	INTERGENIC		
SNP_79271B_2876	scaffold5225	NW_004519384.1	2876	TT	CC	CC	INTERGENIC		
SNP_79272B_4441	scaffold5226	NW_004519385.1	4441	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79273B_119	scaffold5234	NW_004519390.1	119	TT	CC	CC	INTERGENIC		
SNP_79274B_461	scaffold5234	NW_004519390.1	461	GG	AA	AA	INTERGENIC		
SNP_79276B_800	scaffold5234	NW_004519390.1	800	GG	AA	AA	INTERGENIC		
SNP_79277B_814	scaffold5234	NW_004519390.1	814	AA	GG	GG	INTERGENIC		
SNP_79280B_6365	scaffold5235	NW_004519391.1	6365	TT	CC	CC	INTERGENIC		
SNP_79281B_1448	scaffold5238	NW_004519393.1	1448	CC	TT	TT	INTERGENIC		
SNP_79282B_1699	scaffold5238	NW_004519393.1	1699	GG	TT	TT	INTERGENIC		
SNP_79283B_1700	scaffold5238	NW_004519393.1	1700	AA	GG	GG	INTERGENIC		
SNP_79284B_1759	scaffold5238	NW_004519393.1	1759	CC	TT	TT	INTERGENIC		
SNP_79285B_6352	scaffold5239	NW_004519394.1	6352	TT	CC	CC	INTERGENIC		
SNP_79287B_454	scaffold5251	NW_004519398.1	454	AA	GG	GG	INTERGENIC		
SNP_79288B_489	scaffold5251	NW_004519398.1	489	CC	TT	TT	INTERGENIC		
SNP_79289B_620	scaffold5251	NW_004519398.1	620	CC	TT	TT	INTERGENIC		
SNP_79290B_665	scaffold5251	NW_004519398.1	665	TT	CC	CC	INTERGENIC		
SNP_79291B_681	scaffold5251	NW_004519398.1	681	CC	AA	AA	INTERGENIC		
SNP_79292B_804	scaffold5251	NW_004519398.1	804	CC	TT	TT	INTERGENIC		
SNP_79293B_875	scaffold5251	NW_004519398.1	875	GG	AA	AA	INTERGENIC		
SNP_79294B_1019	scaffold5251	NW_004519398.1	1019	CC	TT	TT	INTERGENIC		
SNP_79295B_1053	scaffold5251	NW_004519398.1	1053	TT	GG	GG	INTERGENIC		
SNP_79296B_1054	scaffold5251	NW_004519398.1	1054	GG	AA	AA	INTERGENIC		
SNP_79298B_1207	scaffold5251	NW_004519398.1	1207	CC	GG	GG	INTERGENIC		
SNP_79299B_2185	scaffold5251	NW_004519398.1	2185	AA	GG	GG	INTERGENIC		
SNP_79300B_2220	scaffold5251	NW_004519398.1	2220	GG	CC	CC	INTERGENIC		
SNP_79301B_2281	scaffold5251	NW_004519398.1	2281	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79302B_395	scaffold5259	NW_004519403.1	395	AA	TT	TT	INTERGENIC		
SNP_79303B_1160	scaffold5259	NW_004519403.1	1160	CC	TT	TT	INTERGENIC		
SNP_79304B_1724	scaffold5259	NW_004519403.1	1724	GG	TT	TT	INTERGENIC		
SNP_79305B_179	scaffold5261	NW_004519404.1	179	AA	CC	CC	INTERGENIC		
SNP_79306B_656	scaffold5262	NW_004519405.1	656	TT	AA	AA	INTERGENIC		
SNP_79307B_918	scaffold5262	NW_004519405.1	918	TT	CC	CC	INTERGENIC		
SNP_79308B_1089	scaffold5262	NW_004519405.1	1089	AA	GG	GG	INTERGENIC		
SNP_79309B_1152	scaffold5262	NW_004519405.1	1152	TT	CC	CC	INTERGENIC		
SNP_79310B_1274	scaffold5262	NW_004519405.1	1274	AA	GG	GG	INTERGENIC		
SNP_79311B_1300	scaffold5262	NW_004519405.1	1300	GG	AA	AA	INTERGENIC		
SNP_79312B_1326	scaffold5262	NW_004519405.1	1326	AA	CC	CC	INTERGENIC		
SNP_79313B_1636	scaffold5262	NW_004519405.1	1636	AA	GG	GG	INTERGENIC		
SNP_79314B_25619	scaffold5263	NW_004519406.1	25619	TT	CC	CC	INTERGENIC		
SNP_79315B_25627	scaffold5263	NW_004519406.1	25627	GG	CC	CC	INTERGENIC		
SNP_79316B_25629	scaffold5263	NW_004519406.1	25629	CC	TT	TT	INTERGENIC		
SNP_79317B_25645	scaffold5263	NW_004519406.1	25645	AA	TT	TT	INTERGENIC		
SNP_79318B_25667	scaffold5263	NW_004519406.1	25667	CC	TT	TT	INTERGENIC		
SNP_79319B_25712	scaffold5263	NW_004519406.1	25712	AA	GG	GG	INTERGENIC		
SNP_79320B_25933	scaffold5263	NW_004519406.1	25933	AA	TT	TT	INTERGENIC		
SNP_79321B_26105	scaffold5263	NW_004519406.1	26105	AA	GG	GG	INTERGENIC		
SNP_79322B_26914	scaffold5263	NW_004519406.1	26914	CC	TT	TT	INTERGENIC		
SNP_79323B_27401	scaffold5263	NW_004519406.1	27401	AA	GG	GG	INTERGENIC		
SNP_79324B_27543	scaffold5263	NW_004519406.1	27543	AA	TT	TT	INTERGENIC		
SNP_79325B_27663	scaffold5263	NW_004519406.1	27663	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79326B_311	scaffold5269	NW_004519410.1	311	TT	CC	CC	INTERGENIC		
SNP_79327B_3913	scaffold5272	NW_004519413.1	3913	TT	AA	AA	INTERGENIC		
SNP_79328B_3914	scaffold5272	NW_004519413.1	3914	TT	CC	CC	INTERGENIC		
SNP_79329B_302	scaffold5275	NW_004519416.1	302	GG	TT	TT	INTERGENIC		
SNP_79330B_417	scaffold5275	NW_004519416.1	417	AA	GG	GG	INTERGENIC		
SNP_79332B_437	scaffold5275	NW_004519416.1	437	TT	CC	CC	INTERGENIC		
SNP_79333B_460	scaffold5275	NW_004519416.1	460	CC	AA	AA	INTERGENIC		
SNP_79334B_466	scaffold5275	NW_004519416.1	466	CC	AA	AA	INTERGENIC		
SNP_79335B_467	scaffold5275	NW_004519416.1	467	AA	GG	GG	INTERGENIC		
SNP_79336B_490	scaffold5275	NW_004519416.1	490	AA	CC	CC	INTERGENIC		
SNP_79337B_517	scaffold5275	NW_004519416.1	517	CC	AA	AA	INTERGENIC		
SNP_79338B_679	scaffold5275	NW_004519416.1	679	AA	GG	GG	INTERGENIC		
SNP_79339B_691	scaffold5275	NW_004519416.1	691	AA	GG	GG	INTERGENIC		
SNP_79340B_962	scaffold5275	NW_004519416.1	962	AA	GG	GG	INTERGENIC		
SNP_79341B_1022	scaffold5275	NW_004519416.1	1022	TT	CC	CC	INTERGENIC		
SNP_79342B_1068	scaffold5275	NW_004519416.1	1068	TT	CC	CC	INTERGENIC		
SNP_79343B_1108	scaffold5275	NW_004519416.1	1108	GG	AA	AA	INTERGENIC		
SNP_79344B_1126	scaffold5275	NW_004519416.1	1126	AA	GG	GG	INTERGENIC		
SNP_79345B_1142	scaffold5275	NW_004519416.1	1142	TT	GG	GG	INTERGENIC		
SNP_79346B_1182	scaffold5275	NW_004519416.1	1182	GG	TT	TT	INTERGENIC		
SNP_79347B_1284	scaffold5275	NW_004519416.1	1284	CC	TT	TT	INTERGENIC		
SNP_79348B_3095	scaffold5279	NW_004519420.1	3095	CC	GG	GG	INTERGENIC		
SNP_79350B_5735	scaffold5280	NW_004519421.1	5735	CC	AA	AA	INTERGENIC		
SNP_79351B_5820	scaffold5280	NW_004519421.1	5820	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79352B_5988	scaffold5280	NW_004519421.1	5988	AA	GG	GG	INTERGENIC		
SNP_79353B_6007	scaffold5280	NW_004519421.1	6007	TT	CC	CC	INTERGENIC		
SNP_79354B_6058	scaffold5280	NW_004519421.1	6058	GG	AA	AA	INTERGENIC		
SNP_79355B_6277	scaffold5280	NW_004519421.1	6277	TT	AA	AA	INTERGENIC		
SNP_79356B_6290	scaffold5280	NW_004519421.1	6290	TT	AA	AA	INTERGENIC		
SNP_79357B_6373	scaffold5280	NW_004519421.1	6373	AA	GG	GG	INTERGENIC		
SNP_79358B_6425	scaffold5280	NW_004519421.1	6425	GG	CC	CC	INTERGENIC		
SNP_79359B_6473	scaffold5280	NW_004519421.1	6473	CC	TT	TT	INTERGENIC		
SNP_79360B_6602	scaffold5280	NW_004519421.1	6602	TT	CC	CC	INTERGENIC		
SNP_79361B_6664	scaffold5280	NW_004519421.1	6664	GG	AA	AA	INTERGENIC		
SNP_79362B_6677	scaffold5280	NW_004519421.1	6677	CC	TT	TT	INTERGENIC		
SNP_79363B_6679	scaffold5280	NW_004519421.1	6679	CC	GG	GG	INTERGENIC		
SNP_79364B_6704	scaffold5280	NW_004519421.1	6704	AA	TT	TT	INTERGENIC		
SNP_79365B_6713	scaffold5280	NW_004519421.1	6713	CC	TT	TT	INTERGENIC		
SNP_79366B_6746	scaffold5280	NW_004519421.1	6746	AA	GG	GG	INTERGENIC		
SNP_79367B_6857	scaffold5280	NW_004519421.1	6857	CC	GG	GG	INTERGENIC		
SNP_79368B_7015	scaffold5280	NW_004519421.1	7015	TT	CC	CC	INTERGENIC		
SNP_79369B_7032	scaffold5280	NW_004519421.1	7032	AA	CC	CC	INTERGENIC		
SNP_79370B_4788	scaffold5291	NW_004519428.1	4788	GG	AA	AA	INTERGENIC		
SNP_79371B_5174	scaffold5291	NW_004519428.1	5174	TT	GG	GG	INTERGENIC		
SNP_79373B_7530	scaffold5297	NW_004519433.1	7530	TT	CC	CC	INTERGENIC		
SNP_79374B_7572	scaffold5297	NW_004519433.1	7572	GG	AA	AA	INTERGENIC		
SNP_79376B_7720	scaffold5297	NW_004519433.1	7720	TT	GG	GG	INTERGENIC		
SNP_79377B_7723	scaffold5297	NW_004519433.1	7723	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79378B_7864	scaffold5297	NW_004519433.1	7864	CC	AA	AA	INTERGENIC		
SNP_79379B_7968	scaffold5297	NW_004519433.1	7968	AA	GG	GG	INTERGENIC		
SNP_79380B_71	scaffold5302	NW_004519436.1	71	TT	GG	GG	INTERGENIC		
SNP_79381B_74	scaffold5302	NW_004519436.1	74	AA	GG	GG	INTERGENIC		
SNP_79382B_11044	scaffold5306	NW_004519440.1	11044	TT	CC	CC	DRR	101492084	E3 ubiquitin-protein ligase RLIM-like
SNP_79383B_11047	scaffold5306	NW_004519440.1	11047	AA	CC	CC	DRR	101492084	E3 ubiquitin-protein ligase RLIM-like
SNP_79384B_14966	scaffold5306	NW_004519440.1	14966	GG	AA	AA	INTERGENIC		
SNP_79385B_15002	scaffold5306	NW_004519440.1	15002	GG	AA	AA	INTERGENIC		
SNP_79386B_15101	scaffold5306	NW_004519440.1	15101	GG	AA	AA	INTERGENIC		
SNP_79387B_15106	scaffold5306	NW_004519440.1	15106	TT	CC	CC	INTERGENIC		
SNP_79388B_15498	scaffold5306	NW_004519440.1	15498	GG	AA	AA	INTERGENIC		
SNP_79389B_15501	scaffold5306	NW_004519440.1	15501	TT	AA	AA	INTERGENIC		
SNP_79390B_1799	scaffold5307	NW_004519441.1	1799	CC	TT	TT	INTERGENIC		
SNP_79391B_2002	scaffold5307	NW_004519441.1	2002	AA	GG	GG	INTERGENIC		
SNP_79392B_2062	scaffold5307	NW_004519441.1	2062	AA	GG	GG	INTERGENIC		
SNP_79393B_2618	scaffold5307	NW_004519441.1	2618	CC	GG	GG	INTERGENIC		
SNP_79394B_3886	scaffold5307	NW_004519441.1	3886	AA	GG	GG	INTERGENIC		
SNP_79395B_3890	scaffold5307	NW_004519441.1	3890	AA	GG	GG	INTERGENIC		
SNP_79396B_3931	scaffold5307	NW_004519441.1	3931	GG	CC	CC	INTERGENIC		
SNP_79397B_3965	scaffold5307	NW_004519441.1	3965	CC	TT	TT	INTERGENIC		
SNP_79398B_3996	scaffold5307	NW_004519441.1	3996	TT	GG	GG	INTERGENIC		
SNP_79399B_4002	scaffold5307	NW_004519441.1	4002	AA	TT	TT	INTERGENIC		
SNP_79400B_4459	scaffold5307	NW_004519441.1	4459	AA	GG	GG	INTERGENIC		
SNP_79401B_4949	scaffold5307	NW_004519441.1	4949	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79402B_4966	scaffold5307	NW_004519441.1	4966	AA	GG	GG	INTERGENIC		
SNP_79403B_4968	scaffold5307	NW_004519441.1	4968	TT	AA	AA	INTERGENIC		
SNP_79404B_5302	scaffold5307	NW_004519441.1	5302	AA	GG	GG	INTERGENIC		
SNP_79405B_5321	scaffold5307	NW_004519441.1	5321	CC	TT	TT	INTERGENIC		
SNP_79406B_5850	scaffold5307	NW_004519441.1	5850	AA	GG	GG	INTERGENIC		
SNP_79407B_5985	scaffold5307	NW_004519441.1	5985	AA	CC	CC	INTERGENIC		
SNP_79408B_6233	scaffold5307	NW_004519441.1	6233	TT	CC	CC	INTERGENIC		
SNP_79409B_713	scaffold5309	NW_004519442.1	713	TT	GG	GG	INTERGENIC		
SNP_79410B_735	scaffold5309	NW_004519442.1	735	AA	CC	CC	INTERGENIC		
SNP_79411B_651	scaffold5311	NW_004519444.1	651	TT	GG	GG	INTERGENIC		
SNP_79412B_4799	scaffold5312	NW_004519445.1	4799	TT	CC	CC	INTERGENIC		
SNP_79413B_396	scaffold5313	NW_004519446.1	396	AA	GG	GG	INTERGENIC		
SNP_79414B_637	scaffold5313	NW_004519446.1	637	AA	GG	GG	INTERGENIC		
SNP_79415B_644	scaffold5313	NW_004519446.1	644	TT	AA	AA	INTERGENIC		
SNP_79416B_20072	scaffold5321	NW_004519448.1	20072	GG	AA	AA	INTERGENIC		
SNP_79417B_43569	scaffold5321	NW_004519448.1	43569	GG	AA	AA	INTERGENIC		
SNP_79418B_425	scaffold5326	NW_004519452.1	425	AA	GG	GG	INTERGENIC		
SNP_79419B_466	scaffold5326	NW_004519452.1	466	CC	TT	TT	INTERGENIC		
SNP_79420B_500	scaffold5326	NW_004519452.1	500	CC	TT	TT	INTERGENIC		
SNP_79421B_1275	scaffold5333	NW_004519457.1	1275	AA	GG	GG	INTERGENIC		
SNP_79422B_1282	scaffold5333	NW_004519457.1	1282	AA	GG	GG	INTERGENIC		
SNP_79423B_663	scaffold5338	NW_004519460.1	663	GG	TT	TT	INTERGENIC		
SNP_79424B_772	scaffold5338	NW_004519460.1	772	CC	TT	TT	INTERGENIC		
SNP_79425B_985	scaffold5340	NW_004519461.1	985	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79427B_1357	scaffold5340	NW_004519461.1	1357	CC	TT	TT	INTERGENIC		
SNP_79428B_1366	scaffold5340	NW_004519461.1	1366	CC	TT	TT	INTERGENIC		
SNP_79429B_1384	scaffold5340	NW_004519461.1	1384	AA	GG	GG	INTERGENIC		
SNP_79430B_64	scaffold5360	NW_004519470.1	64	CC	GG	GG	INTERGENIC		
SNP_79431B_90	scaffold5360	NW_004519470.1	90	TT	GG	GG	INTERGENIC		
SNP_79432B_272	scaffold5360	NW_004519470.1	272	TT	GG	GG	INTERGENIC		
SNP_79433B_280	scaffold5360	NW_004519470.1	280	CC	AA	AA	INTERGENIC		
SNP_79435B_739	scaffold5360	NW_004519470.1	739	CC	TT	TT	INTERGENIC		
SNP_79436B_23285	scaffold5374	NW_004519478.1	23285	CC	TT	TT	INTERGENIC		
SNP_79437B_122	scaffold5375	NW_004519479.1	122	AA	TT	TT	INTERGENIC		
SNP_79438B_6097	scaffold5377	NW_004519481.1	6097	GG	TT	TT	INTERGENIC		
SNP_79439B_6181	scaffold5377	NW_004519481.1	6181	GG	AA	AA	INTERGENIC		
SNP_79440B_6193	scaffold5377	NW_004519481.1	6193	AA	TT	TT	INTERGENIC		
SNP_79441B_1738	scaffold5384	NW_004519485.1	1738	CC	TT	TT	INTERGENIC		
SNP_79442B_4009	scaffold5384	NW_004519485.1	4009	CC	TT	TT	INTERGENIC		
SNP_79444B_2278	scaffold5385	NW_004519486.1	2278	AA	GG	GG	INTERGENIC		
SNP_79445B_1764	scaffold5418	NW_004519504.1	1764	TT	CC	CC	INTERGENIC		
SNP_79446B_1785	scaffold5418	NW_004519504.1	1785	AA	GG	GG	INTERGENIC		
SNP_79447B_241	scaffold5420	NW_004519505.1	241	AA	TT	TT	INTERGENIC		
SNP_79448B_285	scaffold5420	NW_004519505.1	285	GG	AA	AA	INTERGENIC		
SNP_79449B_400	scaffold5420	NW_004519505.1	400	TT	AA	AA	INTERGENIC		
SNP_79450B_490	scaffold5420	NW_004519505.1	490	AA	TT	TT	INTERGENIC		
SNP_79451B_608	scaffold5420	NW_004519505.1	608	AA	TT	TT	INTERGENIC		
SNP_79454B_705	scaffold5420	NW_004519505.1	705	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79455B_867	scaffold5420	NW_004519505.1	867	TT	CC	CC	INTERGENIC		
SNP_79456B_918	scaffold5420	NW_004519505.1	918	AA	GG	GG	INTERGENIC		
SNP_79457B_960	scaffold5420	NW_004519505.1	960	GG	TT	TT	INTERGENIC		
SNP_79458B_1013	scaffold5420	NW_004519505.1	1013	TT	AA	AA	INTERGENIC		
SNP_79459B_1332	scaffold5420	NW_004519505.1	1332	TT	GG	GG	INTERGENIC		
SNP_79460B_1345	scaffold5420	NW_004519505.1	1345	TT	CC	CC	INTERGENIC		
SNP_79461B_252	scaffold5434	NW_004519511.1	252	TT	CC	CC	INTERGENIC		
SNP_79462B_288	scaffold5434	NW_004519511.1	288	AA	CC	CC	INTERGENIC		
SNP_79463B_570	scaffold5434	NW_004519511.1	570	TT	GG	GG	INTERGENIC		
SNP_79464B_797	scaffold5434	NW_004519511.1	797	TT	CC	CC	INTERGENIC		
SNP_79465B_2124	scaffold5449	NW_004519520.1	2124	TT	AA	AA	INTERGENIC		
SNP_79466B_2128	scaffold5449	NW_004519520.1	2128	AA	TT	TT	INTERGENIC		
SNP_79467B_2138	scaffold5449	NW_004519520.1	2138	CC	TT	TT	INTERGENIC		
SNP_79468B_2199	scaffold5449	NW_004519520.1	2199	TT	GG	GG	INTERGENIC		
SNP_79470B_2265	scaffold5449	NW_004519520.1	2265	AA	GG	GG	INTERGENIC		
SNP_79471B_499	scaffold5452	NW_004519523.1	499	TT	AA	AA	INTERGENIC		
SNP_79472B_626	scaffold5452	NW_004519523.1	626	GG	AA	AA	INTERGENIC		
SNP_79473B_667	scaffold5452	NW_004519523.1	667	GG	CC	CC	INTERGENIC		
SNP_79474B_699	scaffold5452	NW_004519523.1	699	TT	GG	GG	INTERGENIC		
SNP_79475B_1017	scaffold5452	NW_004519523.1	1017	AA	GG	GG	INTERGENIC		
SNP_79476B_1040	scaffold5452	NW_004519523.1	1040	TT	AA	AA	INTERGENIC		
SNP_79477B_1134	scaffold5452	NW_004519523.1	1134	GG	AA	AA	INTERGENIC		
SNP_79478B_1191	scaffold5452	NW_004519523.1	1191	GG	AA	AA	INTERGENIC		
SNP_79479B_1325	scaffold5452	NW_004519523.1	1325	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79480B_1593	scaffold5452	NW_004519523.1	1593	AA	CC	CC	INTERGENIC		
SNP_79481B_1638	scaffold5452	NW_004519523.1	1638	TT	CC	CC	INTERGENIC		
SNP_79482B_11247	scaffold5458	NW_004519528.1	11247	TT	CC	CC	INTERGENIC		
SNP_79483B_11264	scaffold5458	NW_004519528.1	11264	TT	GG	GG	INTERGENIC		
SNP_79485B_5495	scaffold5465	NW_004519533.1	5495	GG	CC	CC	INTERGENIC		
SNP_79486B_5541	scaffold5465	NW_004519533.1	5541	CC	GG	GG	INTERGENIC		
SNP_79487B_500	scaffold5472	NW_004519535.1	500	CC	AA	AA	INTERGENIC		
SNP_79488B_649	scaffold5472	NW_004519535.1	649	CC	TT	TT	INTERGENIC		
SNP_79489B_658	scaffold5472	NW_004519535.1	658	AA	GG	GG	INTERGENIC		
SNP_79490B_673	scaffold5472	NW_004519535.1	673	AA	CC	CC	INTERGENIC		
SNP_79491B_684	scaffold5472	NW_004519535.1	684	GG	TT	TT	INTERGENIC		
SNP_79492B_825	scaffold5472	NW_004519535.1	825	TT	CC	CC	INTERGENIC		
SNP_79493B_1179	scaffold5484	NW_004519544.1	1179	TT	AA	AA	INTERGENIC		
SNP_79494B_1222	scaffold5484	NW_004519544.1	1222	AA	TT	TT	INTERGENIC		
SNP_79495B_1224	scaffold5484	NW_004519544.1	1224	AA	GG	GG	INTERGENIC		
SNP_79496B_1247	scaffold5484	NW_004519544.1	1247	AA	GG	GG	INTERGENIC		
SNP_79498B_3778	scaffold5484	NW_004519544.1	3778	CC	TT	TT	INTERGENIC		
SNP_79499B_3782	scaffold5484	NW_004519544.1	3782	TT	GG	GG	INTERGENIC		
SNP_79500B_590	scaffold5497	NW_004519553.1	590	CC	TT	TT	INTERGENIC		
SNP_79501B_899	scaffold5497	NW_004519553.1	899	CC	GG	GG	INTERGENIC		
SNP_79505B_12847	scaffold5511	NW_004519562.1	12847	GG	AA	AA	INTERGENIC		
SNP_79506B_12855	scaffold5511	NW_004519562.1	12855	GG	TT	TT	INTERGENIC		
SNP_79507B_3843	scaffold5514	NW_004519565.1	3843	AA	CC	CC	INTERGENIC		
SNP_79508B_3865	scaffold5514	NW_004519565.1	3865	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79509B_3966	scaffold5514	NW_004519565.1	3966	CC	TT	TT	INTERGENIC		
SNP_79510B_3975	scaffold5514	NW_004519565.1	3975	AA	CC	CC	INTERGENIC		
SNP_79511B_5861	scaffold5514	NW_004519565.1	5861	TT	AA	AA	INTERGENIC		
SNP_79512B_5888	scaffold5514	NW_004519565.1	5888	GG	TT	TT	INTERGENIC		
SNP_79513B_5907	scaffold5514	NW_004519565.1	5907	TT	CC	CC	INTERGENIC		
SNP_79514B_5924	scaffold5514	NW_004519565.1	5924	AA	GG	GG	INTERGENIC		
SNP_79515B_20902	scaffold5537	NW_004519578.1	20902	GG	TT	TT	INTERGENIC		
SNP_79516B_64	scaffold5538	NW_004519579.1	64	TT	CC	CC	INTERGENIC		
SNP_79517B_97	scaffold5538	NW_004519579.1	97	TT	CC	CC	INTERGENIC		
SNP_79518B_102	scaffold5538	NW_004519579.1	102	AA	GG	GG	INTERGENIC		
SNP_79519B_224	scaffold5538	NW_004519579.1	224	TT	AA	AA	INTERGENIC		
SNP_79520B_1111	scaffold5538	NW_004519579.1	1111	AA	GG	GG	INTERGENIC		
SNP_79521B_1112	scaffold5538	NW_004519579.1	1112	AA	TT	TT	INTERGENIC		
SNP_79522B_1163	scaffold5538	NW_004519579.1	1163	GG	AA	AA	INTERGENIC		
SNP_79523B_1206	scaffold5538	NW_004519579.1	1206	AA	TT	TT	INTERGENIC		
SNP_79524B_1410	scaffold5538	NW_004519579.1	1410	AA	GG	GG	INTERGENIC		
SNP_79525B_1994	scaffold5538	NW_004519579.1	1994	AA	TT	TT	INTERGENIC		
SNP_79526B_2026	scaffold5538	NW_004519579.1	2026	AA	GG	GG	INTERGENIC		
SNP_79527B_31	scaffold5541	NW_004519580.1	31	TT	CC	CC	INTERGENIC		
SNP_79528B_35	scaffold5541	NW_004519580.1	35	CC	TT	TT	INTERGENIC		
SNP_79529B_64	scaffold5541	NW_004519580.1	64	AA	CC	CC	INTERGENIC		
SNP_79530B_72	scaffold5541	NW_004519580.1	72	AA	TT	TT	INTERGENIC		
SNP_79532B_84	scaffold5541	NW_004519580.1	84	GG	AA	AA	INTERGENIC		
SNP_79533B_131	scaffold5541	NW_004519580.1	131	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79534B_153	scaffold5541	NW_004519580.1	153	GG	TT	TT	INTERGENIC		
SNP_79535B_627	scaffold5541	NW_004519580.1	627	AA	GG	GG	INTERGENIC		
SNP_79536B_702	scaffold5541	NW_004519580.1	702	AA	TT	TT	INTERGENIC		
SNP_79537B_722	scaffold5541	NW_004519580.1	722	GG	AA	AA	INTERGENIC		
SNP_79538B_723	scaffold5541	NW_004519580.1	723	GG	TT	TT	INTERGENIC		
SNP_79539B_729	scaffold5541	NW_004519580.1	729	AA	GG	GG	INTERGENIC		
SNP_79540B_760	scaffold5541	NW_004519580.1	760	GG	AA	AA	INTERGENIC		
SNP_79541B_819	scaffold5541	NW_004519580.1	819	TT	CC	CC	INTERGENIC		
SNP_79542B_875	scaffold5541	NW_004519580.1	875	TT	CC	CC	INTERGENIC		
SNP_79543B_913	scaffold5541	NW_004519580.1	913	GG	AA	AA	INTERGENIC		
SNP_79544B_1051	scaffold5541	NW_004519580.1	1051	AA	GG	GG	INTERGENIC		
SNP_79545B_1100	scaffold5541	NW_004519580.1	1100	AA	CC	CC	INTERGENIC		
SNP_79546B_1146	scaffold5541	NW_004519580.1	1146	AA	GG	GG	INTERGENIC		
SNP_79547B_1166	scaffold5541	NW_004519580.1	1166	TT	AA	AA	INTERGENIC		
SNP_79548B_1208	scaffold5541	NW_004519580.1	1208	TT	CC	CC	INTERGENIC		
SNP_79549B_1228	scaffold5541	NW_004519580.1	1228	AA	TT	TT	INTERGENIC		
SNP_79550B_187	scaffold5545	NW_004519582.1	187	GG	AA	AA	INTERGENIC		
SNP_79551B_202	scaffold5545	NW_004519582.1	202	CC	GG	GG	INTERGENIC		
SNP_79552B_466	scaffold5549	NW_004519586.1	466	GG	TT	TT	INTERGENIC		
SNP_79554B_116	scaffold5551	NW_004519587.1	116	AA	CC	CC	INTERGENIC		
SNP_79555B_144	scaffold5551	NW_004519587.1	144	AA	GG	GG	INTERGENIC		
SNP_79556B_307	scaffold5551	NW_004519587.1	307	CC	GG	GG	INTERGENIC		
SNP_79557B_368	scaffold5551	NW_004519587.1	368	AA	GG	GG	INTERGENIC		
SNP_79558B_376	scaffold5551	NW_004519587.1	376	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79559B_410	scaffold5551	NW_004519587.1	410	CC	TT	TT	INTERGENIC		
SNP_79560B_507	scaffold5551	NW_004519587.1	507	TT	CC	CC	INTERGENIC		
SNP_79561B_510	scaffold5551	NW_004519587.1	510	GG	CC	CC	INTERGENIC		
SNP_79562B_512	scaffold5551	NW_004519587.1	512	CC	AA	AA	INTERGENIC		
SNP_79564B_670	scaffold5551	NW_004519587.1	670	CC	TT	TT	INTERGENIC		
SNP_79565B_721	scaffold5551	NW_004519587.1	721	CC	GG	GG	INTERGENIC		
SNP_79567B_783	scaffold5551	NW_004519587.1	783	TT	CC	CC	INTERGENIC		
SNP_79568B_843	scaffold5551	NW_004519587.1	843	AA	GG	GG	INTERGENIC		
SNP_79569B_406	scaffold5553	NW_004519589.1	406	GG	AA	AA	INTERGENIC		
SNP_79570B_413	scaffold5553	NW_004519589.1	413	AA	CC	CC	INTERGENIC		
SNP_79571B_457	scaffold5553	NW_004519589.1	457	GG	TT	TT	INTERGENIC		
SNP_79572B_467	scaffold5553	NW_004519589.1	467	GG	AA	AA	INTERGENIC		
SNP_79573B_521	scaffold5553	NW_004519589.1	521	TT	CC	CC	INTERGENIC		
SNP_79574B_582	scaffold5553	NW_004519589.1	582	AA	TT	TT	INTERGENIC		
SNP_79575B_619	scaffold5553	NW_004519589.1	619	AA	TT	TT	INTERGENIC		
SNP_79576B_630	scaffold5553	NW_004519589.1	630	CC	TT	TT	INTERGENIC		
SNP_79577B_694	scaffold5553	NW_004519589.1	694	AA	GG	GG	INTERGENIC		
SNP_79578B_709	scaffold5553	NW_004519589.1	709	TT	GG	GG	INTERGENIC		
SNP_79579B_720	scaffold5553	NW_004519589.1	720	AA	TT	TT	INTERGENIC		
SNP_79580B_12385	scaffold5553	NW_004519589.1	12385	CC	TT	TT	INTERGENIC		
SNP_79581B_891	scaffold5569	NW_004519599.1	891	AA	CC	CC	INTERGENIC		
SNP_79582B_685	scaffold5579	NW_004519604.1	685	CC	TT	TT	INTERGENIC		
SNP_79583B_1403	scaffold5580	NW_004519605.1	1403	GG	AA	AA	INTERGENIC		
SNP_79585B_338	scaffold5593	NW_004519615.1	338	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79586B_418	scaffold5593	NW_004519615.1	418	AA	GG	GG	INTERGENIC		
SNP_79587B_477	scaffold5593	NW_004519615.1	477	TT	CC	CC	INTERGENIC		
SNP_79588B_482	scaffold5593	NW_004519615.1	482	CC	TT	TT	INTERGENIC		
SNP_79589B_527	scaffold5593	NW_004519615.1	527	CC	TT	TT	INTERGENIC		
SNP_79590B_529	scaffold5593	NW_004519615.1	529	GG	AA	AA	INTERGENIC		
SNP_79591B_543	scaffold5593	NW_004519615.1	543	TT	CC	CC	INTERGENIC		
SNP_79592B_706	scaffold5593	NW_004519615.1	706	CC	TT	TT	INTERGENIC		
SNP_79593B_358	scaffold5596	NW_004519617.1	358	AA	GG	GG	INTERGENIC		
SNP_79594B_986	scaffold5598	NW_004519618.1	986	AA	TT	TT	INTERGENIC		
SNP_79595B_987	scaffold5598	NW_004519618.1	987	TT	AA	AA	INTERGENIC		
SNP_79596B_989	scaffold5598	NW_004519618.1	989	TT	CC	CC	INTERGENIC		
SNP_79597B_3276	scaffold5598	NW_004519618.1	3276	TT	GG	GG	INTERGENIC		
SNP_79598B_3492	scaffold5598	NW_004519618.1	3492	TT	CC	CC	INTERGENIC		
SNP_79599B_3773	scaffold5598	NW_004519618.1	3773	AA	CC	CC	INTERGENIC		
SNP_79600B_4892	scaffold5598	NW_004519618.1	4892	CC	GG	GG	INTERGENIC		
SNP_79601B_5005	scaffold5598	NW_004519618.1	5005	TT	CC	CC	INTERGENIC		
SNP_79602B_5097	scaffold5598	NW_004519618.1	5097	AA	GG	GG	INTERGENIC		
SNP_79603B_5142	scaffold5598	NW_004519618.1	5142	CC	TT	TT	INTERGENIC		
SNP_79604B_5189	scaffold5598	NW_004519618.1	5189	AA	CC	CC	INTERGENIC		
SNP_79605B_5240	scaffold5598	NW_004519618.1	5240	GG	CC	CC	INTERGENIC		
SNP_79606B_5316	scaffold5598	NW_004519618.1	5316	CC	AA	AA	INTERGENIC		
SNP_79607B_5411	scaffold5598	NW_004519618.1	5411	CC	AA	AA	INTERGENIC		
SNP_79608B_5920	scaffold5598	NW_004519618.1	5920	CC	TT	TT	INTERGENIC		
SNP_79609B_6165	scaffold5598	NW_004519618.1	6165	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79610B_6433	scaffold5598	NW_004519618.1	6433	AA	CC	CC	INTERGENIC		
SNP_79611B_6518	scaffold5598	NW_004519618.1	6518	CC	TT	TT	INTERGENIC		
SNP_79612B_6739	scaffold5598	NW_004519618.1	6739	TT	CC	CC	INTERGENIC		
SNP_79613B_7281	scaffold5598	NW_004519618.1	7281	GG	AA	AA	INTERGENIC		
SNP_79614B_7383	scaffold5598	NW_004519618.1	7383	GG	AA	AA	INTERGENIC		
SNP_79615B_7404	scaffold5598	NW_004519618.1	7404	AA	CC	CC	INTERGENIC		
SNP_79616B_7421	scaffold5598	NW_004519618.1	7421	TT	AA	AA	INTERGENIC		
SNP_79617B_7524	scaffold5598	NW_004519618.1	7524	GG	AA	AA	INTERGENIC		
SNP_79618B_7530	scaffold5598	NW_004519618.1	7530	AA	CC	CC	INTERGENIC		
SNP_79619B_7987	scaffold5598	NW_004519618.1	7987	GG	CC	CC	INTERGENIC		
SNP_79620B_8291	scaffold5598	NW_004519618.1	8291	GG	AA	AA	INTERGENIC		
SNP_79621B_8809	scaffold5598	NW_004519618.1	8809	TT	AA	AA	INTERGENIC		
SNP_79622B_8893	scaffold5598	NW_004519618.1	8893	CC	AA	AA	INTERGENIC		
SNP_79623B_11178	scaffold5598	NW_004519618.1	11178	AA	GG	GG	INTERGENIC		
SNP_79624B_11909	scaffold5598	NW_004519618.1	11909	AA	GG	GG	INTERGENIC		
SNP_79625B_13174	scaffold5598	NW_004519618.1	13174	AA	GG	GG	INTERGENIC		
SNP_79626B_13189	scaffold5598	NW_004519618.1	13189	TT	AA	AA	INTERGENIC		
SNP_79627B_13207	scaffold5598	NW_004519618.1	13207	TT	GG	GG	INTERGENIC		
SNP_79628B_13222	scaffold5598	NW_004519618.1	13222	AA	GG	GG	INTERGENIC		
SNP_79629B_13377	scaffold5598	NW_004519618.1	13377	CC	GG	GG	INTERGENIC		
SNP_79631B_13730	scaffold5598	NW_004519618.1	13730	CC	TT	TT	INTERGENIC		
SNP_79633B_750	scaffold5599	NW_004519619.1	750	AA	TT	TT	INTERGENIC		
SNP_79634B_5322	scaffold5599	NW_004519619.1	5322	GG	AA	AA	INTERGENIC		
SNP_79635B_5636	scaffold5599	NW_004519619.1	5636	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79636B_5863	scaffold5599	NW_004519619.1	5863	GG	AA	AA	INTERGENIC		
SNP_79638B_935	scaffold5600	NW_004519620.1	935	AA	TT	TT	SYNONYMOUS_CODING	101496319	Unknown function
SNP_79639B_1030	scaffold5600	NW_004519620.1	1030	TT	AA	AA	URR	101496319	Unknown function
SNP_79640B_4140	scaffold5602	NW_004519622.1	4140	AA	GG	GG	NON_SYNONYMOUS_CODING	101496646	uncharacterized LOC101496646
SNP_79641B_4166	scaffold5602	NW_004519622.1	4166	CC	TT	TT	SYNONYMOUS_CODING	101496646	uncharacterized LOC101496646
SNP_79642B_321	scaffold5614	NW_004519631.1	321	AA	GG	GG	INTERGENIC		
SNP_79643B_369	scaffold5614	NW_004519631.1	369	CC	TT	TT	INTERGENIC		
SNP_79644B_905	scaffold5614	NW_004519631.1	905	GG	CC	CC	INTERGENIC		
SNP_79645B_4160	scaffold5614	NW_004519631.1	4160	CC	GG	GG	INTERGENIC		
SNP_79646B_4164	scaffold5614	NW_004519631.1	4164	TT	AA	AA	INTERGENIC		
SNP_79647B_4170	scaffold5614	NW_004519631.1	4170	AA	TT	TT	INTERGENIC		
SNP_79648B_4175	scaffold5614	NW_004519631.1	4175	CC	AA	AA	INTERGENIC		
SNP_79649B_4924	scaffold5614	NW_004519631.1	4924	TT	GG	GG	INTERGENIC		
SNP_79650B_5150	scaffold5614	NW_004519631.1	5150	GG	AA	AA	INTERGENIC		
SNP_79651B_5494	scaffold5614	NW_004519631.1	5494	TT	AA	AA	INTERGENIC		
SNP_79652B_5587	scaffold5614	NW_004519631.1	5587	GG	CC	CC	INTERGENIC		
SNP_79653B_5626	scaffold5614	NW_004519631.1	5626	GG	CC	CC	INTERGENIC		
SNP_79654B_998	scaffold5617	NW_004519634.1	998	AA	GG	GG	INTERGENIC		
SNP_79655B_1091	scaffold5617	NW_004519634.1	1091	GG	TT	TT	INTERGENIC		
SNP_79656B_1344	scaffold5617	NW_004519634.1	1344	AA	CC	CC	INTERGENIC		
SNP_79657B_1365	scaffold5617	NW_004519634.1	1365	TT	CC	CC	INTERGENIC		
SNP_79658B_1398	scaffold5617	NW_004519634.1	1398	TT	CC	CC	INTERGENIC		
SNP_79659B_1434	scaffold5617	NW_004519634.1	1434	AA	GG	GG	INTERGENIC		
SNP_79660B_1456	scaffold5617	NW_004519634.1	1456	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79661B_1462	scaffold5617	NW_004519634.1	1462	TT	AA	AA	INTERGENIC		
SNP_79662B_1467	scaffold5617	NW_004519634.1	1467	TT	AA	AA	INTERGENIC		
SNP_79664B_72	scaffold5619	NW_004519635.1	72	TT	CC	CC	INTERGENIC		
SNP_79665B_463	scaffold5619	NW_004519635.1	463	TT	CC	CC	INTERGENIC		
SNP_79666B_493	scaffold5619	NW_004519635.1	493	AA	CC	CC	INTERGENIC		
SNP_79667B_1210	scaffold5619	NW_004519635.1	1210	TT	CC	CC	INTERGENIC		
SNP_79668B_118	scaffold5627	NW_004519638.1	118	TT	CC	CC	INTERGENIC		
SNP_79669B_164	scaffold5627	NW_004519638.1	164	AA	GG	GG	INTERGENIC		
SNP_79670B_4631	scaffold5627	NW_004519638.1	4631	GG	AA	AA	INTERGENIC		
SNP_79671B_8705	scaffold5627	NW_004519638.1	8705	AA	CC	CC	INTERGENIC		
SNP_79672B_10362	scaffold5627	NW_004519638.1	10362	GG	AA	AA	INTERGENIC		
SNP_79673B_10741	scaffold5627	NW_004519638.1	10741	AA	GG	GG	INTERGENIC		
SNP_79674B_2774	scaffold5650	NW_004519652.1	2774	CC	AA	AA	INTERGENIC		
SNP_79675B_3078	scaffold5650	NW_004519652.1	3078	AA	GG	GG	INTERGENIC		
SNP_79676B_3081	scaffold5650	NW_004519652.1	3081	AA	CC	CC	INTERGENIC		
SNP_79677B_1528	scaffold5653	NW_004519654.1	1528	AA	TT	TT	INTERGENIC		
SNP_79678B_1601	scaffold5653	NW_004519654.1	1601	AA	CC	CC	INTERGENIC		
SNP_79679B_30328	scaffold5653	NW_004519654.1	30328	CC	TT	TT	INTERGENIC		
SNP_79680B_30515	scaffold5653	NW_004519654.1	30515	CC	TT	TT	INTERGENIC		
SNP_79681B_612	scaffold5656	NW_004519657.1	612	GG	AA	AA	INTERGENIC		
SNP_79682B_864	scaffold5666	NW_004519664.1	864	AA	GG	GG	INTERGENIC		
SNP_79683B_973	scaffold5666	NW_004519664.1	973	GG	AA	AA	INTERGENIC		
SNP_79684B_998	scaffold5666	NW_004519664.1	998	TT	CC	CC	INTERGENIC		
SNP_79685B_1089	scaffold5666	NW_004519664.1	1089	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79686B_1110	scaffold5666	NW_004519664.1	1110	CC	TT	TT	INTERGENIC		
SNP_79687B_1167	scaffold5666	NW_004519664.1	1167	CC	TT	TT	INTERGENIC		
SNP_79688B_1262	scaffold5666	NW_004519664.1	1262	CC	GG	GG	INTERGENIC		
SNP_79689B_1305	scaffold5666	NW_004519664.1	1305	CC	AA	AA	INTERGENIC		
SNP_79690B_2296	scaffold5671	NW_004519667.1	2296	TT	CC	CC	INTERGENIC		
SNP_79691B_2344	scaffold5671	NW_004519667.1	2344	AA	TT	TT	INTERGENIC		
SNP_79692B_287	scaffold5679	NW_004519673.1	287	AA	GG	GG	INTERGENIC		
SNP_79693B_424	scaffold5679	NW_004519673.1	424	GG	CC	CC	INTERGENIC		
SNP_79694B_441	scaffold5679	NW_004519673.1	441	TT	GG	GG	INTERGENIC		
SNP_79695B_456	scaffold5679	NW_004519673.1	456	CC	TT	TT	INTERGENIC		
SNP_79696B_476	scaffold5679	NW_004519673.1	476	GG	AA	AA	INTERGENIC		
SNP_79697B_525	scaffold5679	NW_004519673.1	525	GG	AA	AA	INTERGENIC		
SNP_79698B_1296	scaffold5687	NW_004519678.1	1296	AA	TT	TT	INTERGENIC		
SNP_79699B_73	scaffold5691	NW_004519680.1	73	AA	TT	TT	INTERGENIC		
SNP_79700B_362	scaffold5691	NW_004519680.1	362	TT	GG	GG	INTERGENIC		
SNP_79701B_1480	scaffold5694	NW_004519682.1	1480	TT	CC	CC	INTERGENIC		
SNP_79702B_1462	scaffold5698	NW_004519684.1	1462	AA	TT	TT	INTERGENIC		
SNP_79703B_3411	scaffold5698	NW_004519684.1	3411	AA	GG	GG	INTERGENIC		
SNP_79704B_121	scaffold5700	NW_004519686.1	121	TT	AA	AA	INTERGENIC		
SNP_79705B_8225	scaffold5700	NW_004519686.1	8225	TT	AA	AA	INTERGENIC		
SNP_79706B_64	scaffold5703	NW_004519689.1	64	CC	AA	AA	INTERGENIC		
SNP_79707B_103	scaffold5703	NW_004519689.1	103	CC	AA	AA	INTERGENIC		
SNP_79709B_155	scaffold5703	NW_004519689.1	155	TT	AA	AA	INTERGENIC		
SNP_79710B_3508	scaffold5704	NW_004519690.1	3508	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79711B_4502	scaffold5715	NW_004519694.1	4502	TT	GG	GG	INTERGENIC		
SNP_79712B_538	scaffold5717	NW_004519695.1	538	CC	AA	AA	INTERGENIC		
SNP_79713B_1575	scaffold5719	NW_004519697.1	1575	TT	AA	AA	INTERGENIC		
SNP_79714B_1586	scaffold5719	NW_004519697.1	1586	CC	GG	GG	INTERGENIC		
SNP_79715B_186	scaffold5721	NW_004519699.1	186	CC	TT	TT	INTERGENIC		
SNP_79716B_189	scaffold5721	NW_004519699.1	189	AA	CC	CC	INTERGENIC		
SNP_79717B_240	scaffold5721	NW_004519699.1	240	GG	TT	TT	INTERGENIC		
SNP_79718B_260	scaffold5721	NW_004519699.1	260	TT	AA	AA	INTERGENIC		
SNP_79719B_382	scaffold5721	NW_004519699.1	382	GG	AA	AA	INTERGENIC		
SNP_79720B_5301	scaffold5725	NW_004519701.1	5301	AA	CC	CC	INTERGENIC		
SNP_79721B_239	scaffold5730	NW_004519704.1	239	GG	AA	AA	INTERGENIC		
SNP_79722B_240	scaffold5730	NW_004519704.1	240	CC	TT	TT	INTERGENIC		
SNP_79723B_345	scaffold5730	NW_004519704.1	345	CC	TT	TT	INTERGENIC		
SNP_79724B_421	scaffold5730	NW_004519704.1	421	GG	AA	AA	INTERGENIC		
SNP_79725B_425	scaffold5730	NW_004519704.1	425	GG	TT	TT	INTERGENIC		
SNP_79727B_711	scaffold5730	NW_004519704.1	711	AA	CC	CC	INTERGENIC		
SNP_79728B_722	scaffold5730	NW_004519704.1	722	TT	CC	CC	INTERGENIC		
SNP_79729B_808	scaffold5730	NW_004519704.1	808	CC	TT	TT	INTERGENIC		
SNP_79730B_861	scaffold5734	NW_004519705.1	861	TT	GG	GG	INTERGENIC		
SNP_79731B_892	scaffold5734	NW_004519705.1	892	CC	TT	TT	INTERGENIC		
SNP_79732B_978	scaffold5735	NW_004519706.1	978	TT	AA	AA	INTERGENIC		
SNP_79733B_1296	scaffold5735	NW_004519706.1	1296	TT	CC	CC	INTERGENIC		
SNP_79734B_1322	scaffold5735	NW_004519706.1	1322	GG	AA	AA	INTERGENIC		
SNP_79735B_1329	scaffold5735	NW_004519706.1	1329	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79736B_1236	scaffold5737	NW_004519707.1	1236	TT	AA	AA	INTERGENIC		
SNP_79737B_530	scaffold5739	NW_004519709.1	530	GG	AA	AA	INTERGENIC		
SNP_79738B_843	scaffold5739	NW_004519709.1	843	CC	TT	TT	INTERGENIC		
SNP_79739B_866	scaffold5739	NW_004519709.1	866	CC	TT	TT	INTERGENIC		
SNP_79740B_914	scaffold5739	NW_004519709.1	914	AA	CC	CC	INTERGENIC		
SNP_79741B_937	scaffold5739	NW_004519709.1	937	GG	TT	TT	INTERGENIC		
SNP_79742B_946	scaffold5739	NW_004519709.1	946	CC	AA	AA	INTERGENIC		
SNP_79743B_947	scaffold5739	NW_004519709.1	947	TT	CC	CC	INTERGENIC		
SNP_79744B_950	scaffold5739	NW_004519709.1	950	CC	TT	TT	INTERGENIC		
SNP_79745B_954	scaffold5739	NW_004519709.1	954	AA	GG	GG	INTERGENIC		
SNP_79746B_955	scaffold5739	NW_004519709.1	955	GG	AA	AA	INTERGENIC		
SNP_79747B_1075	scaffold5739	NW_004519709.1	1075	AA	GG	GG	INTERGENIC		
SNP_79748B_1124	scaffold5739	NW_004519709.1	1124	CC	TT	TT	INTERGENIC		
SNP_79749B_1172	scaffold5739	NW_004519709.1	1172	CC	TT	TT	INTERGENIC		
SNP_79750B_1187	scaffold5742	NW_004519712.1	1187	GG	AA	AA	INTERGENIC		
SNP_79751B_1886	scaffold5744	NW_004519713.1	1886	TT	CC	CC	INTERGENIC		
SNP_79752B_3297	scaffold5744	NW_004519713.1	3297	CC	GG	GG	INTERGENIC		
SNP_79753B_3326	scaffold5744	NW_004519713.1	3326	AA	TT	TT	INTERGENIC		
SNP_79754B_3391	scaffold5744	NW_004519713.1	3391	CC	TT	TT	INTERGENIC		
SNP_79755B_15423	scaffold5744	NW_004519713.1	15423	AA	GG	GG	INTERGENIC		
SNP_79756B_15515	scaffold5744	NW_004519713.1	15515	AA	TT	TT	INTERGENIC		
SNP_79757B_15629	scaffold5744	NW_004519713.1	15629	CC	TT	TT	INTERGENIC		
SNP_79758B_15698	scaffold5744	NW_004519713.1	15698	TT	AA	AA	INTERGENIC		
SNP_79759B_17696	scaffold5744	NW_004519713.1	17696	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79760B_17774	scaffold5744	NW_004519713.1	17774	GG	CC	CC	INTERGENIC		
SNP_79761B_17793	scaffold5744	NW_004519713.1	17793	CC	TT	TT	INTERGENIC		
SNP_79762B_17808	scaffold5744	NW_004519713.1	17808	GG	CC	CC	INTERGENIC		
SNP_79763B_17838	scaffold5744	NW_004519713.1	17838	TT	CC	CC	INTERGENIC		
SNP_79764B_17853	scaffold5744	NW_004519713.1	17853	TT	CC	CC	INTERGENIC		
SNP_79765B_17858	scaffold5744	NW_004519713.1	17858	TT	CC	CC	INTERGENIC		
SNP_79766B_18064	scaffold5744	NW_004519713.1	18064	TT	CC	CC	INTERGENIC		
SNP_79767B_18174	scaffold5744	NW_004519713.1	18174	GG	TT	TT	INTERGENIC		
SNP_79768B_18227	scaffold5744	NW_004519713.1	18227	TT	CC	CC	INTERGENIC		
SNP_79769B_18248	scaffold5744	NW_004519713.1	18248	GG	TT	TT	INTERGENIC		
SNP_79770B_320	scaffold5746	NW_004519715.1	320	AA	GG	GG	INTERGENIC		
SNP_79771B_388	scaffold5746	NW_004519715.1	388	TT	CC	CC	INTERGENIC		
SNP_79772B_656	scaffold5746	NW_004519715.1	656	CC	TT	GG	INTERGENIC		
SNP_79773B_728	scaffold5746	NW_004519715.1	728	CC	GG	GG	INTERGENIC		
SNP_79774B_1601	scaffold5746	NW_004519715.1	1601	AA	GG	GG	INTERGENIC		
SNP_79775B_1712	scaffold5746	NW_004519715.1	1712	GG	AA	AA	INTERGENIC		
SNP_79776B_1724	scaffold5746	NW_004519715.1	1724	AA	TT	TT	INTERGENIC		
SNP_79777B_1877	scaffold5746	NW_004519715.1	1877	GG	AA	AA	INTERGENIC		
SNP_79778B_1907	scaffold5746	NW_004519715.1	1907	AA	CC	CC	INTERGENIC		
SNP_79779B_2046	scaffold5746	NW_004519715.1	2046	AA	CC	CC	INTERGENIC		
SNP_79780B_71	scaffold5759	NW_004519723.1	71	AA	CC	CC	INTERGENIC		
SNP_79782B_857	scaffold5761	NW_004519724.1	857	CC	AA	AA	INTERGENIC		
SNP_79784B_1224	scaffold5761	NW_004519724.1	1224	AA	CC	CC	INTERGENIC		
SNP_79785B_1677	scaffold5761	NW_004519724.1	1677	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79786B_458	scaffold5765	NW_004519727.1	458	TT	AA	AA	INTERGENIC		
SNP_79787B_287	scaffold5775	NW_004519731.1	287	TT	AA	AA	INTERGENIC		
SNP_79788B_465	scaffold5775	NW_004519731.1	465	AA	TT	TT	INTERGENIC		
SNP_79789B_1031	scaffold5775	NW_004519731.1	1031	GG	CC	CC	INTERGENIC		
SNP_79790B_1122	scaffold5775	NW_004519731.1	1122	CC	TT	TT	INTERGENIC		
SNP_79791B_1132	scaffold5775	NW_004519731.1	1132	TT	CC	CC	INTERGENIC		
SNP_79792B_1192	scaffold5775	NW_004519731.1	1192	CC	TT	TT	INTERGENIC		
SNP_79793B_2892	scaffold5777	NW_004519733.1	2892	AA	TT	TT	INTERGENIC		
SNP_79794B_2974	scaffold5777	NW_004519733.1	2974	TT	CC	CC	INTERGENIC		
SNP_79795B_3249	scaffold5777	NW_004519733.1	3249	GG	AA	AA	INTERGENIC		
SNP_79796B_3289	scaffold5777	NW_004519733.1	3289	GG	TT	TT	INTERGENIC		
SNP_79797B_7826	scaffold5777	NW_004519733.1	7826	TT	CC	CC	INTERGENIC		
SNP_79798B_7831	scaffold5777	NW_004519733.1	7831	CC	TT	TT	INTERGENIC		
SNP_79799B_7891	scaffold5777	NW_004519733.1	7891	AA	GG	GG	INTERGENIC		
SNP_79800B_7908	scaffold5777	NW_004519733.1	7908	CC	TT	TT	INTERGENIC		
SNP_79801B_8355	scaffold5777	NW_004519733.1	8355	TT	CC	CC	INTERGENIC		
SNP_79802B_8911	scaffold5777	NW_004519733.1	8911	CC	TT	TT	INTERGENIC		
SNP_79803B_8934	scaffold5777	NW_004519733.1	8934	TT	CC	CC	INTERGENIC		
SNP_79804B_9122	scaffold5777	NW_004519733.1	9122	CC	TT	TT	INTERGENIC		
SNP_79805B_9240	scaffold5777	NW_004519733.1	9240	AA	GG	GG	INTERGENIC		
SNP_79806B_10039	scaffold5777	NW_004519733.1	10039	TT	CC	CC	INTERGENIC		
SNP_79807B_10070	scaffold5777	NW_004519733.1	10070	TT	GG	GG	INTERGENIC		
SNP_79808B_10130	scaffold5777	NW_004519733.1	10130	TT	AA	AA	INTERGENIC		
SNP_79809B_10143	scaffold5777	NW_004519733.1	10143	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79811B_16532	scaffold5777	NW_004519733.1	16532	GG	CC	CC	URR	101501177	uncharacterized LOC101501177
SNP_79813B_16798	scaffold5777	NW_004519733.1	16798	TT	AA	AA	URR	101501177	uncharacterized LOC101501177
SNP_79814B_17078	scaffold5777	NW_004519733.1	17078	CC	TT	TT	URR	101501177	uncharacterized LOC101501177
SNP_79815B_17165	scaffold5777	NW_004519733.1	17165	TT	CC	CC	URR	101501177	uncharacterized LOC101501177
SNP_79816B_2715	scaffold5780	NW_004519735.1	2715	TT	CC	CC	INTERGENIC		
SNP_79817B_2849	scaffold5780	NW_004519735.1	2849	CC	AA	AA	INTERGENIC		
SNP_79819B_2923	scaffold5780	NW_004519735.1	2923	GG	AA	AA	INTERGENIC		
SNP_79820B_3170	scaffold5780	NW_004519735.1	3170	GG	AA	AA	INTERGENIC		
SNP_79821B_3234	scaffold5780	NW_004519735.1	3234	GG	TT	TT	INTERGENIC		
SNP_79822B_3357	scaffold5780	NW_004519735.1	3357	TT	CC	CC	INTERGENIC		
SNP_79823B_4574	scaffold5780	NW_004519735.1	4574	GG	AA	AA	INTERGENIC		
SNP_79824B_4792	scaffold5780	NW_004519735.1	4792	AA	GG	GG	INTERGENIC		
SNP_79825B_4990	scaffold5780	NW_004519735.1	4990	AA	GG	GG	INTERGENIC		
SNP_79826B_5013	scaffold5780	NW_004519735.1	5013	GG	AA	AA	INTERGENIC		
SNP_79827B_5022	scaffold5780	NW_004519735.1	5022	CC	TT	TT	INTERGENIC		
SNP_79828B_5223	scaffold5780	NW_004519735.1	5223	TT	CC	CC	INTERGENIC		
SNP_79829B_5230	scaffold5780	NW_004519735.1	5230	AA	GG	GG	INTERGENIC		
SNP_79830B_5344	scaffold5780	NW_004519735.1	5344	AA	GG	GG	INTERGENIC		
SNP_79833B_5505	scaffold5780	NW_004519735.1	5505	AA	TT	TT	INTERGENIC		
SNP_79834B_5506	scaffold5780	NW_004519735.1	5506	AA	CC	CC	INTERGENIC		
SNP_79835B_5564	scaffold5780	NW_004519735.1	5564	GG	TT	TT	INTERGENIC		
SNP_79836B_5649	scaffold5780	NW_004519735.1	5649	TT	CC	CC	INTERGENIC		
SNP_79837B_5663	scaffold5780	NW_004519735.1	5663	GG	AA	AA	INTERGENIC		
SNP_79838B_5673	scaffold5780	NW_004519735.1	5673	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79839B_5680	scaffold5780	NW_004519735.1	5680	TT	CC	CC	INTERGENIC		
SNP_79840B_5689	scaffold5780	NW_004519735.1	5689	TT	CC	CC	INTERGENIC		
SNP_79841B_5690	scaffold5780	NW_004519735.1	5690	GG	AA	AA	INTERGENIC		
SNP_79842B_5726	scaffold5780	NW_004519735.1	5726	CC	AA	AA	INTERGENIC		
SNP_79843B_5731	scaffold5780	NW_004519735.1	5731	AA	GG	GG	INTERGENIC		
SNP_79844B_5733	scaffold5780	NW_004519735.1	5733	AA	TT	TT	INTERGENIC		
SNP_79845B_5746	scaffold5780	NW_004519735.1	5746	TT	GG	GG	INTERGENIC		
SNP_79846B_5852	scaffold5780	NW_004519735.1	5852	AA	GG	GG	INTERGENIC		
SNP_79847B_6033	scaffold5780	NW_004519735.1	6033	TT	CC	CC	INTERGENIC		
SNP_79848B_6098	scaffold5780	NW_004519735.1	6098	GG	AA	AA	INTERGENIC		
SNP_79849B_6100	scaffold5780	NW_004519735.1	6100	GG	TT	TT	INTERGENIC		
SNP_79850B_6142	scaffold5780	NW_004519735.1	6142	GG	AA	AA	INTERGENIC		
SNP_79851B_6195	scaffold5780	NW_004519735.1	6195	AA	GG	GG	INTERGENIC		
SNP_79852B_6288	scaffold5780	NW_004519735.1	6288	AA	GG	GG	INTERGENIC		
SNP_79853B_6292	scaffold5780	NW_004519735.1	6292	TT	CC	CC	INTERGENIC		
SNP_79854B_6308	scaffold5780	NW_004519735.1	6308	TT	CC	CC	INTERGENIC		
SNP_79855B_6315	scaffold5780	NW_004519735.1	6315	AA	GG	GG	INTERGENIC		
SNP_79856B_6515	scaffold5780	NW_004519735.1	6515	AA	TT	TT	INTERGENIC		
SNP_79857B_6516	scaffold5780	NW_004519735.1	6516	TT	CC	CC	INTERGENIC		
SNP_79858B_6662	scaffold5780	NW_004519735.1	6662	TT	GG	GG	INTERGENIC		
SNP_79859B_6736	scaffold5780	NW_004519735.1	6736	GG	AA	AA	INTERGENIC		
SNP_79860B_8727	scaffold5780	NW_004519735.1	8727	CC	AA	AA	INTERGENIC		
SNP_79862B_8753	scaffold5780	NW_004519735.1	8753	GG	AA	AA	INTERGENIC		
SNP_79863B_8916	scaffold5780	NW_004519735.1	8916	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79864B_8963	scaffold5780	NW_004519735.1	8963	CC	AA	AA	INTERGENIC		
SNP_79865B_8984	scaffold5780	NW_004519735.1	8984	GG	AA	AA	INTERGENIC		
SNP_79867B_9464	scaffold5780	NW_004519735.1	9464	TT	AA	AA	INTERGENIC		
SNP_79868B_9668	scaffold5780	NW_004519735.1	9668	TT	CC	CC	INTERGENIC		
SNP_79869B_9834	scaffold5780	NW_004519735.1	9834	TT	CC	CC	INTERGENIC		
SNP_79870B_9976	scaffold5780	NW_004519735.1	9976	GG	TT	TT	INTERGENIC		
SNP_79871B_9990	scaffold5780	NW_004519735.1	9990	AA	CC	CC	INTERGENIC		
SNP_79872B_10024	scaffold5780	NW_004519735.1	10024	TT	CC	CC	INTERGENIC		
SNP_79873B_10130	scaffold5780	NW_004519735.1	10130	GG	AA	AA	INTERGENIC		
SNP_79874B_10333	scaffold5780	NW_004519735.1	10333	AA	CC	CC	INTERGENIC		
SNP_79875B_10359	scaffold5780	NW_004519735.1	10359	CC	TT	TT	INTERGENIC		
SNP_79876B_10600	scaffold5780	NW_004519735.1	10600	TT	CC	CC	INTERGENIC		
SNP_79877B_10773	scaffold5780	NW_004519735.1	10773	GG	AA	AA	INTERGENIC		
SNP_79878B_10910	scaffold5780	NW_004519735.1	10910	CC	TT	TT	INTERGENIC		
SNP_79879B_11020	scaffold5780	NW_004519735.1	11020	AA	GG	GG	INTERGENIC		
SNP_79880B_2167	scaffold5781	NW_004519736.1	2167	AA	TT	TT	INTERGENIC		
SNP_79881B_2566	scaffold5781	NW_004519736.1	2566	CC	TT	TT	INTERGENIC		
SNP_79882B_3027	scaffold5781	NW_004519736.1	3027	TT	CC	CC	INTERGENIC		
SNP_79883B_3050	scaffold5781	NW_004519736.1	3050	AA	GG	GG	INTERGENIC		
SNP_79884B_3113	scaffold5781	NW_004519736.1	3113	CC	GG	GG	INTERGENIC		
SNP_79885B_3189	scaffold5781	NW_004519736.1	3189	CC	TT	TT	INTERGENIC		
SNP_79886B_3354	scaffold5781	NW_004519736.1	3354	AA	GG	GG	INTERGENIC		
SNP_79887B_3430	scaffold5781	NW_004519736.1	3430	AA	GG	GG	INTERGENIC		
SNP_79888B_3522	scaffold5781	NW_004519736.1	3522	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79889B_3544	scaffold5781	NW_004519736.1	3544	AA	TT	TT	INTERGENIC		
SNP_79890B_3631	scaffold5781	NW_004519736.1	3631	GG	TT	TT	INTERGENIC		
SNP_79891B_3911	scaffold5781	NW_004519736.1	3911	TT	CC	CC	INTERGENIC		
SNP_79892B_4015	scaffold5781	NW_004519736.1	4015	AA	TT	TT	INTERGENIC		
SNP_79893B_12653	scaffold5781	NW_004519736.1	12653	GG	AA	AA	INTERGENIC		
SNP_79894B_12828	scaffold5781	NW_004519736.1	12828	TT	CC	CC	INTERGENIC		
SNP_79895B_324	scaffold5782	NW_004519737.1	324	AA	GG	GG	INTERGENIC		
SNP_79896B_329	scaffold5782	NW_004519737.1	329	GG	CC	CC	INTERGENIC		
SNP_79897B_712	scaffold5782	NW_004519737.1	712	AA	GG	GG	INTERGENIC		
SNP_79898B_755	scaffold5782	NW_004519737.1	755	TT	CC	CC	INTERGENIC		
SNP_79899B_1046	scaffold5782	NW_004519737.1	1046	AA	GG	GG	INTERGENIC		
SNP_79900B_1058	scaffold5782	NW_004519737.1	1058	TT	AA	AA	INTERGENIC		
SNP_79901B_1221	scaffold5783	NW_004519738.1	1221	CC	GG	GG	INTERGENIC		
SNP_79902B_1332	scaffold5783	NW_004519738.1	1332	AA	GG	GG	INTERGENIC		
SNP_79903B_1378	scaffold5788	NW_004519740.1	1378	CC	TT	TT	INTERGENIC		
SNP_79904B_1901	scaffold5788	NW_004519740.1	1901	TT	AA	AA	INTERGENIC		
SNP_79905B_5888	scaffold5794	NW_004519746.1	5888	AA	CC	TT	INTERGENIC		
SNP_79906B_5956	scaffold5794	NW_004519746.1	5956	TT	AA	AA	INTERGENIC		
SNP_79907B_8247	scaffold5794	NW_004519746.1	8247	AA	TT	TT	INTERGENIC		
SNP_79908B_8397	scaffold5794	NW_004519746.1	8397	AA	TT	TT	INTERGENIC		
SNP_79909B_8481	scaffold5794	NW_004519746.1	8481	TT	AA	AA	INTERGENIC		
SNP_79910B_8638	scaffold5794	NW_004519746.1	8638	CC	GG	GG	INTERGENIC		
SNP_79911B_8707	scaffold5794	NW_004519746.1	8707	CC	GG	GG	INTERGENIC		
SNP_79912B_1042	scaffold5795	NW_004519747.1	1042	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79913B_1440	scaffold5795	NW_004519747.1	1440	CC	AA	AA	INTERGENIC		
SNP_79914B_1446	scaffold5795	NW_004519747.1	1446	CC	TT	TT	INTERGENIC		
SNP_79915B_5474	scaffold5797	NW_004519749.1	5474	CC	TT	TT	INTERGENIC		
SNP_79916B_5480	scaffold5797	NW_004519749.1	5480	TT	GG	GG	INTERGENIC		
SNP_79917B_5488	scaffold5797	NW_004519749.1	5488	AA	GG	GG	INTERGENIC		
SNP_79918B_5514	scaffold5797	NW_004519749.1	5514	CC	TT	TT	INTERGENIC		
SNP_79919B_5631	scaffold5797	NW_004519749.1	5631	AA	TT	TT	INTERGENIC		
SNP_79920B_5709	scaffold5797	NW_004519749.1	5709	CC	AA	AA	INTERGENIC		
SNP_79921B_5778	scaffold5797	NW_004519749.1	5778	AA	CC	CC	INTERGENIC		
SNP_79922B_6000	scaffold5797	NW_004519749.1	6000	AA	GG	GG	INTERGENIC		
SNP_79923B_8922	scaffold5797	NW_004519749.1	8922	CC	AA	AA	INTERGENIC		
SNP_79924B_9015	scaffold5797	NW_004519749.1	9015	CC	TT	TT	INTERGENIC		
SNP_79925B_9017	scaffold5797	NW_004519749.1	9017	GG	TT	TT	INTERGENIC		
SNP_79926B_9069	scaffold5797	NW_004519749.1	9069	AA	GG	GG	INTERGENIC		
SNP_79927B_9086	scaffold5797	NW_004519749.1	9086	GG	CC	CC	INTERGENIC		
SNP_79928B_9113	scaffold5797	NW_004519749.1	9113	AA	CC	CC	INTERGENIC		
SNP_79929B_9219	scaffold5797	NW_004519749.1	9219	GG	AA	AA	INTERGENIC		
SNP_79930B_9549	scaffold5797	NW_004519749.1	9549	AA	CC	CC	INTERGENIC		
SNP_79931B_9557	scaffold5797	NW_004519749.1	9557	TT	AA	AA	INTERGENIC		
SNP_79932B_338	scaffold5801	NW_004519750.1	338	GG	AA	AA	INTERGENIC		
SNP_79933B_361	scaffold5801	NW_004519750.1	361	GG	AA	AA	INTERGENIC		
SNP_79934B_492	scaffold5801	NW_004519750.1	492	TT	CC	CC	INTERGENIC		
SNP_79935B_591	scaffold5801	NW_004519750.1	591	AA	CC	CC	INTERGENIC		
SNP_79936B_812	scaffold5801	NW_004519750.1	812	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79938B_2011	scaffold5801	NW_004519750.1	2011	TT	CC	CC	INTERGENIC		
SNP_79939B_2212	scaffold5801	NW_004519750.1	2212	TT	AA	AA	INTERGENIC		
SNP_79940B_2332	scaffold5801	NW_004519750.1	2332	GG	AA	AA	INTERGENIC		
SNP_79941B_2504	scaffold5801	NW_004519750.1	2504	CC	TT	TT	INTERGENIC		
SNP_79942B_2687	scaffold5801	NW_004519750.1	2687	CC	TT	TT	INTERGENIC		
SNP_79944B_6570	scaffold5812	NW_004519755.1	6570	GG	AA	AA	INTRON	101504055	probable polygalacturonase At3g15720
SNP_79945B_18430	scaffold5812	NW_004519755.1	18430	TT	CC	CC	INTERGENIC		
SNP_79946B_45382	scaffold5812	NW_004519755.1	45382	AA	GG	GG	INTERGENIC		
SNP_79947B_45404	scaffold5812	NW_004519755.1	45404	TT	CC	CC	INTERGENIC		
SNP_79948B_45422	scaffold5812	NW_004519755.1	45422	AA	GG	GG	INTERGENIC		
SNP_79949B_46773	scaffold5812	NW_004519755.1	46773	AA	CC	TT	INTERGENIC		
SNP_79950B_2756	scaffold5813	NW_004519756.1	2756	GG	TT	TT	URR	101504368	Unknown function
SNP_79951B_2776	scaffold5813	NW_004519756.1	2776	CC	AA	AA	URR	101504368	Unknown function
SNP_79952B_2955	scaffold5813	NW_004519756.1	2955	AA	CC	CC	URR	101504368	Unknown function
SNP_79953B_4509	scaffold5813	NW_004519756.1	4509	AA	CC	CC	INTERGENIC		
SNP_79954B_1121	scaffold5815	NW_004519758.1	1121	AA	GG	GG	INTERGENIC		
SNP_79955B_1220	scaffold5815	NW_004519758.1	1220	AA	GG	GG	INTERGENIC		
SNP_79956B_1457	scaffold5815	NW_004519758.1	1457	AA	TT	TT	INTERGENIC		
SNP_79957B_1458	scaffold5815	NW_004519758.1	1458	CC	AA	AA	INTERGENIC		
SNP_79958B_1466	scaffold5815	NW_004519758.1	1466	AA	CC	CC	INTERGENIC		
SNP_79959B_1550	scaffold5815	NW_004519758.1	1550	CC	GG	GG	INTERGENIC		
SNP_79960B_1798	scaffold5815	NW_004519758.1	1798	AA	GG	GG	INTERGENIC		
SNP_79961B_2988	scaffold5815	NW_004519758.1	2988	CC	TT	TT	INTERGENIC		
SNP_79962B_5165	scaffold5816	NW_004519759.1	5165	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79963B_5312	scaffold5816	NW_004519759.1	5312	GG	TT	TT	INTERGENIC		
SNP_79964B_5316	scaffold5816	NW_004519759.1	5316	CC	TT	TT	INTERGENIC		
SNP_79965B_5548	scaffold5816	NW_004519759.1	5548	CC	TT	TT	INTERGENIC		
SNP_79966B_892	scaffold5817	NW_004519760.1	892	AA	GG	GG	INTERGENIC		
SNP_79967B_992	scaffold5817	NW_004519760.1	992	TT	AA	AA	INTERGENIC		
SNP_79968B_69	scaffold5823	NW_004519764.1	69	CC	TT	TT	INTERGENIC		
SNP_79969B_113	scaffold5823	NW_004519764.1	113	CC	AA	AA	INTERGENIC		
SNP_79970B_339	scaffold5823	NW_004519764.1	339	GG	TT	TT	INTERGENIC		
SNP_79971B_624	scaffold5823	NW_004519764.1	624	CC	TT	TT	INTERGENIC		
SNP_79972B_1529	scaffold5823	NW_004519764.1	1529	AA	GG	GG	INTERGENIC		
SNP_79973B_1534	scaffold5823	NW_004519764.1	1534	AA	TT	TT	INTERGENIC		
SNP_79974B_1542	scaffold5823	NW_004519764.1	1542	CC	GG	GG	INTERGENIC		
SNP_79975B_1544	scaffold5823	NW_004519764.1	1544	AA	CC	CC	INTERGENIC		
SNP_79976B_6976	scaffold5839	NW_004519778.1	6976	GG	TT	TT	INTERGENIC		
SNP_79977B_6979	scaffold5839	NW_004519778.1	6979	TT	AA	AA	INTERGENIC		
SNP_79978B_7403	scaffold5839	NW_004519778.1	7403	GG	TT	TT	INTERGENIC		
SNP_79979B_7409	scaffold5839	NW_004519778.1	7409	GG	AA	AA	INTERGENIC		
SNP_79980B_7720	scaffold5839	NW_004519778.1	7720	TT	GG	GG	INTERGENIC		
SNP_79981B_7743	scaffold5839	NW_004519778.1	7743	TT	CC	CC	INTERGENIC		
SNP_79982B_7747	scaffold5839	NW_004519778.1	7747	AA	TT	TT	INTERGENIC		
SNP_79983B_7791	scaffold5839	NW_004519778.1	7791	CC	AA	AA	INTERGENIC		
SNP_79984B_7807	scaffold5839	NW_004519778.1	7807	AA	CC	CC	INTERGENIC		
SNP_79985B_7822	scaffold5839	NW_004519778.1	7822	TT	AA	AA	INTERGENIC		
SNP_79986B_7823	scaffold5839	NW_004519778.1	7823	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_79987B_7849	scaffold5839	NW_004519778.1	7849	CC	TT	TT	INTERGENIC		
SNP_79988B_7898	scaffold5839	NW_004519778.1	7898	AA	GG	GG	INTERGENIC		
SNP_79989B_7914	scaffold5839	NW_004519778.1	7914	TT	GG	GG	INTERGENIC		
SNP_79990B_7925	scaffold5839	NW_004519778.1	7925	CC	GG	GG	INTERGENIC		
SNP_79991B_7975	scaffold5839	NW_004519778.1	7975	TT	GG	GG	INTERGENIC		
SNP_79993B_8145	scaffold5839	NW_004519778.1	8145	AA	GG	GG	INTERGENIC		
SNP_79994B_8192	scaffold5839	NW_004519778.1	8192	GG	AA	AA	INTERGENIC		
SNP_79995B_8284	scaffold5839	NW_004519778.1	8284	TT	CC	CC	INTERGENIC		
SNP_79996B_8285	scaffold5839	NW_004519778.1	8285	TT	CC	CC	INTERGENIC		
SNP_79997B_8321	scaffold5839	NW_004519778.1	8321	AA	CC	CC	INTERGENIC		
SNP_79998B_8327	scaffold5839	NW_004519778.1	8327	AA	GG	GG	INTERGENIC		
SNP_79999B_8333	scaffold5839	NW_004519778.1	8333	CC	TT	TT	INTERGENIC		
SNP_80000B_8375	scaffold5839	NW_004519778.1	8375	CC	TT	TT	INTERGENIC		
SNP_80001B_22688	scaffold5839	NW_004519778.1	22688	AA	GG	GG	INTERGENIC		
SNP_80003B_948	scaffold5841	NW_004519780.1	948	CC	TT	TT	INTERGENIC		
SNP_80004B_251	scaffold5843	NW_004519782.1	251	AA	TT	GG	INTERGENIC		
SNP_80005B_255	scaffold5843	NW_004519782.1	255	AA	GG	GG	INTERGENIC		
SNP_80006B_256	scaffold5843	NW_004519782.1	256	CC	TT	TT	INTERGENIC		
SNP_80007B_288	scaffold5843	NW_004519782.1	288	CC	TT	TT	INTERGENIC		
SNP_80009B_364	scaffold5843	NW_004519782.1	364	GG	TT	TT	INTERGENIC		
SNP_80010B_739	scaffold5843	NW_004519782.1	739	AA	GG	GG	INTERGENIC		
SNP_80011B_1260	scaffold5864	NW_004519796.1	1260	TT	CC	CC	INTERGENIC		
SNP_80012B_478	scaffold5867	NW_004519797.1	478	GG	TT	TT	INTERGENIC		
SNP_80013B_490	scaffold5867	NW_004519797.1	490	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80014B_660	scaffold5867	NW_004519797.1	660	CC	GG	GG	INTERGENIC		
SNP_80015B_696	scaffold5867	NW_004519797.1	696	CC	AA	AA	INTERGENIC		
SNP_80016B_769	scaffold5867	NW_004519797.1	769	AA	GG	GG	INTERGENIC		
SNP_80017B_905	scaffold5867	NW_004519797.1	905	TT	GG	GG	INTERGENIC		
SNP_80018B_957	scaffold5867	NW_004519797.1	957	GG	CC	CC	INTERGENIC		
SNP_80019B_961	scaffold5867	NW_004519797.1	961	TT	CC	CC	INTERGENIC		
SNP_80020B_1008	scaffold5867	NW_004519797.1	1008	GG	AA	AA	INTERGENIC		
SNP_80021B_371	scaffold5869	NW_004519798.1	371	TT	CC	CC	INTERGENIC		
SNP_80022B_429	scaffold5869	NW_004519798.1	429	AA	GG	GG	INTERGENIC		
SNP_80024B_5277	scaffold5869	NW_004519798.1	5277	GG	AA	AA	INTERGENIC		
SNP_80025B_5634	scaffold5869	NW_004519798.1	5634	GG	AA	AA	INTERGENIC		
SNP_80026B_7772	scaffold5869	NW_004519798.1	7772	AA	GG	GG	INTERGENIC		
SNP_80027B_7811	scaffold5869	NW_004519798.1	7811	GG	AA	AA	INTERGENIC		
SNP_80028B_7815	scaffold5869	NW_004519798.1	7815	AA	GG	GG	INTERGENIC		
SNP_80029B_8044	scaffold5869	NW_004519798.1	8044	AA	GG	GG	INTERGENIC		
SNP_80030B_8068	scaffold5869	NW_004519798.1	8068	TT	CC	CC	INTERGENIC		
SNP_80031B_8085	scaffold5869	NW_004519798.1	8085	GG	AA	AA	INTERGENIC		
SNP_80032B_8116	scaffold5869	NW_004519798.1	8116	CC	TT	TT	INTERGENIC		
SNP_80033B_8143	scaffold5869	NW_004519798.1	8143	AA	GG	GG	INTERGENIC		
SNP_80034B_12565	scaffold5869	NW_004519798.1	12565	AA	GG	GG	SYNONYMOUS_CODING	101504694	pectinesterase-like
SNP_80035B_12591	scaffold5869	NW_004519798.1	12591	TT	GG	GG	NON_SYNONYMOUS_CODING	101504694	pectinesterase-like
SNP_80036B_17897	scaffold5869	NW_004519798.1	17897	CC	TT	TT	INTERGENIC		
SNP_80037B_17919	scaffold5869	NW_004519798.1	17919	AA	GG	GG	INTERGENIC		
SNP_80038B_18089	scaffold5869	NW_004519798.1	18089	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80039B_18147	scaffold5869	NW_004519798.1	18147	CC	TT	TT	INTERGENIC		
SNP_80041B_717	scaffold5883	NW_004519809.1	717	TT	GG	GG	INTERGENIC		
SNP_80042B_726	scaffold5883	NW_004519809.1	726	TT	CC	CC	INTERGENIC		
SNP_80043B_1107	scaffold5883	NW_004519809.1	1107	GG	CC	CC	INTERGENIC		
SNP_80044B_774	scaffold5889	NW_004519812.1	774	AA	GG	GG	INTERGENIC		
SNP_80045B_814	scaffold5889	NW_004519812.1	814	GG	AA	AA	INTERGENIC		
SNP_80046B_819	scaffold5889	NW_004519812.1	819	CC	TT	TT	INTERGENIC		
SNP_80047B_827	scaffold5889	NW_004519812.1	827	AA	TT	TT	INTERGENIC		
SNP_80048B_20890	scaffold5889	NW_004519812.1	20890	TT	CC	CC	INTERGENIC		
SNP_80049B_21033	scaffold5889	NW_004519812.1	21033	TT	GG	GG	INTERGENIC		
SNP_80051B_4961	scaffold5891	NW_004519813.1	4961	AA	TT	TT	INTERGENIC		
SNP_80052B_5069	scaffold5891	NW_004519813.1	5069	CC	TT	TT	INTERGENIC		
SNP_80053B_5070	scaffold5891	NW_004519813.1	5070	AA	GG	GG	INTERGENIC		
SNP_80054B_5893	scaffold5891	NW_004519813.1	5893	GG	TT	TT	INTERGENIC		
SNP_80055B_332	scaffold5900	NW_004519820.1	332	AA	GG	GG	INTERGENIC		
SNP_80056B_489	scaffold5900	NW_004519820.1	489	TT	AA	AA	INTERGENIC		
SNP_80057B_539	scaffold5900	NW_004519820.1	539	AA	GG	GG	INTERGENIC		
SNP_80058B_591	scaffold5900	NW_004519820.1	591	AA	GG	GG	INTERGENIC		
SNP_80059B_593	scaffold5900	NW_004519820.1	593	TT	CC	CC	INTERGENIC		
SNP_80060B_654	scaffold5900	NW_004519820.1	654	TT	CC	CC	INTERGENIC		
SNP_80061B_661	scaffold5900	NW_004519820.1	661	AA	GG	GG	INTERGENIC		
SNP_80062B_5006	scaffold5901	NW_004519821.1	5006	TT	CC	CC	INTERGENIC		
SNP_80063B_5103	scaffold5901	NW_004519821.1	5103	GG	AA	AA	INTERGENIC		
SNP_80065B_5246	scaffold5901	NW_004519821.1	5246	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80066B_214	scaffold5904	NW_004519823.1	214	TT	CC	CC	INTERGENIC		
SNP_80067B_17254	scaffold5904	NW_004519823.1	17254	TT	GG	GG	INTERGENIC		
SNP_80068B_17455	scaffold5904	NW_004519823.1	17455	GG	AA	AA	INTERGENIC		
SNP_80069B_17495	scaffold5904	NW_004519823.1	17495	AA	CC	CC	INTERGENIC		
SNP_80070B_17802	scaffold5904	NW_004519823.1	17802	GG	TT	TT	INTERGENIC		
SNP_80072B_22469	scaffold5904	NW_004519823.1	22469	AA	CC	CC	INTERGENIC		
SNP_80073B_22626	scaffold5904	NW_004519823.1	22626	CC	TT	TT	INTERGENIC		
SNP_80074B_2156	scaffold5907	NW_004519826.1	2156	AA	GG	GG	INTERGENIC		
SNP_80075B_2503	scaffold5909	NW_004519827.1	2503	GG	CC	CC	INTERGENIC		
SNP_80076B_1053	scaffold5913	NW_004519829.1	1053	GG	TT	TT	INTERGENIC		
SNP_80077B_1064	scaffold5913	NW_004519829.1	1064	TT	CC	CC	INTERGENIC		
SNP_80078B_1070	scaffold5913	NW_004519829.1	1070	TT	AA	AA	INTERGENIC		
SNP_80079B_1083	scaffold5913	NW_004519829.1	1083	CC	TT	TT	INTERGENIC		
SNP_80080B_1098	scaffold5913	NW_004519829.1	1098	GG	TT	TT	INTERGENIC		
SNP_80081B_1223	scaffold5914	NW_004519830.1	1223	AA	CC	CC	INTERGENIC		
SNP_80082B_830	scaffold5916	NW_004519832.1	830	AA	TT	TT	INTERGENIC		
SNP_80083B_835	scaffold5916	NW_004519832.1	835	GG	AA	AA	INTERGENIC		
SNP_80085B_894	scaffold5916	NW_004519832.1	894	CC	GG	GG	INTERGENIC		
SNP_80086B_911	scaffold5916	NW_004519832.1	911	AA	GG	GG	INTERGENIC		
SNP_80087B_957	scaffold5916	NW_004519832.1	957	TT	CC	CC	INTERGENIC		
SNP_80088B_962	scaffold5916	NW_004519832.1	962	CC	AA	AA	INTERGENIC		
SNP_80089B_971	scaffold5916	NW_004519832.1	971	CC	AA	AA	INTERGENIC		
SNP_80090B_987	scaffold5916	NW_004519832.1	987	CC	GG	GG	INTERGENIC		
SNP_80091B_1080	scaffold5916	NW_004519832.1	1080	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80093B_1331	scaffold5916	NW_004519832.1	1331	CC	TT	TT	INTERGENIC		
SNP_80094B_731	scaffold5917	NW_004519833.1	731	TT	CC	CC	INTERGENIC		
SNP_80095B_868	scaffold5917	NW_004519833.1	868	GG	TT	TT	INTERGENIC		
SNP_80096B_63	scaffold5918	NW_004519834.1	63	CC	TT	TT	INTERGENIC		
SNP_80097B_64	scaffold5918	NW_004519834.1	64	CC	AA	AA	INTERGENIC		
SNP_80099B_116	scaffold5918	NW_004519834.1	116	CC	TT	TT	INTERGENIC		
SNP_80100B_118	scaffold5918	NW_004519834.1	118	AA	CC	CC	INTERGENIC		
SNP_80101B_132	scaffold5918	NW_004519834.1	132	AA	GG	GG	INTERGENIC		
SNP_80102B_133	scaffold5918	NW_004519834.1	133	AA	GG	GG	INTERGENIC		
SNP_80103B_285	scaffold5918	NW_004519834.1	285	AA	CC	CC	INTERGENIC		
SNP_80104B_310	scaffold5918	NW_004519834.1	310	GG	AA	AA	INTERGENIC		
SNP_80105B_312	scaffold5918	NW_004519834.1	312	GG	TT	TT	INTERGENIC		
SNP_80106B_522	scaffold5918	NW_004519834.1	522	GG	AA	AA	INTERGENIC		
SNP_80107B_540	scaffold5918	NW_004519834.1	540	GG	AA	AA	INTERGENIC		
SNP_80108B_591	scaffold5918	NW_004519834.1	591	TT	CC	CC	INTERGENIC		
SNP_80109B_812	scaffold5918	NW_004519834.1	812	TT	GG	GG	INTERGENIC		
SNP_80110B_829	scaffold5918	NW_004519834.1	829	GG	TT	TT	INTERGENIC		
SNP_80111B_871	scaffold5918	NW_004519834.1	871	GG	AA	AA	INTERGENIC		
SNP_80112B_896	scaffold5918	NW_004519834.1	896	CC	TT	TT	INTERGENIC		
SNP_80113B_899	scaffold5918	NW_004519834.1	899	CC	AA	AA	INTERGENIC		
SNP_80114B_1066	scaffold5918	NW_004519834.1	1066	TT	CC	CC	INTERGENIC		
SNP_80115B_1088	scaffold5918	NW_004519834.1	1088	GG	AA	AA	INTERGENIC		
SNP_80116B_840	scaffold5920	NW_004519836.1	840	CC	TT	TT	INTERGENIC		
SNP_80117B_687	scaffold5921	NW_004519837.1	687	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80119B_389	scaffold5923	NW_004519839.1	389	GG	AA	AA	INTERGENIC		
SNP_80120B_1459	scaffold5925	NW_004519840.1	1459	AA	GG	GG	INTERGENIC		
SNP_80121B_1692	scaffold5925	NW_004519840.1	1692	AA	TT	TT	INTERGENIC		
SNP_80122B_536	scaffold5928	NW_004519843.1	536	GG	AA	AA	INTERGENIC		
SNP_80123B_748	scaffold5928	NW_004519843.1	748	CC	TT	TT	INTERGENIC		
SNP_80124B_850	scaffold5928	NW_004519843.1	850	AA	CC	CC	INTERGENIC		
SNP_80125B_1074	scaffold5928	NW_004519843.1	1074	GG	CC	CC	INTERGENIC		
SNP_80126B_1358	scaffold5928	NW_004519843.1	1358	CC	TT	TT	INTERGENIC		
SNP_80127B_1365	scaffold5928	NW_004519843.1	1365	GG	AA	AA	INTERGENIC		
SNP_80128B_1372	scaffold5928	NW_004519843.1	1372	GG	CC	CC	INTERGENIC		
SNP_80129B_1388	scaffold5928	NW_004519843.1	1388	TT	CC	CC	INTERGENIC		
SNP_80130B_1411	scaffold5928	NW_004519843.1	1411	TT	AA	AA	INTERGENIC		
SNP_80131B_1501	scaffold5928	NW_004519843.1	1501	TT	CC	CC	INTERGENIC		
SNP_80132B_1810	scaffold5928	NW_004519843.1	1810	TT	GG	GG	INTERGENIC		
SNP_80133B_1836	scaffold5928	NW_004519843.1	1836	AA	GG	GG	INTERGENIC		
SNP_80134B_1909	scaffold5928	NW_004519843.1	1909	TT	AA	AA	INTERGENIC		
SNP_80135B_2022	scaffold5928	NW_004519843.1	2022	AA	GG	GG	INTERGENIC		
SNP_80136B_2409	scaffold5928	NW_004519843.1	2409	AA	GG	GG	INTERGENIC		
SNP_80137B_2422	scaffold5928	NW_004519843.1	2422	CC	AA	AA	INTERGENIC		
SNP_80138B_2428	scaffold5928	NW_004519843.1	2428	AA	CC	CC	INTERGENIC		
SNP_80139B_2437	scaffold5928	NW_004519843.1	2437	GG	AA	AA	INTERGENIC		
SNP_80140B_2489	scaffold5928	NW_004519843.1	2489	TT	CC	CC	INTERGENIC		
SNP_80141B_2563	scaffold5928	NW_004519843.1	2563	AA	GG	GG	INTERGENIC		
SNP_80142B_2697	scaffold5928	NW_004519843.1	2697	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80143B_2732	scaffold5928	NW_004519843.1	2732	TT	CC	CC	INTERGENIC		
SNP_80144B_2803	scaffold5928	NW_004519843.1	2803	GG	AA	AA	INTERGENIC		
SNP_80145B_2939	scaffold5928	NW_004519843.1	2939	CC	TT	TT	INTERGENIC		
SNP_80146B_2980	scaffold5928	NW_004519843.1	2980	TT	CC	CC	INTERGENIC		
SNP_80147B_3694	scaffold5928	NW_004519843.1	3694	TT	CC	CC	INTERGENIC		
SNP_80148B_3724	scaffold5928	NW_004519843.1	3724	GG	AA	AA	INTERGENIC		
SNP_80149B_3796	scaffold5928	NW_004519843.1	3796	TT	GG	GG	INTERGENIC		
SNP_80150B_3823	scaffold5928	NW_004519843.1	3823	GG	AA	AA	INTERGENIC		
SNP_80151B_4135	scaffold5928	NW_004519843.1	4135	CC	TT	TT	INTERGENIC		
SNP_80152B_8185	scaffold5928	NW_004519843.1	8185	CC	TT	TT	INTERGENIC		
SNP_80153B_8220	scaffold5928	NW_004519843.1	8220	TT	GG	GG	INTERGENIC		
SNP_80154B_8268	scaffold5928	NW_004519843.1	8268	AA	TT	TT	INTERGENIC		
SNP_80155B_8276	scaffold5928	NW_004519843.1	8276	CC	TT	TT	INTERGENIC		
SNP_80156B_8280	scaffold5928	NW_004519843.1	8280	AA	CC	CC	INTERGENIC		
SNP_80157B_8285	scaffold5928	NW_004519843.1	8285	TT	CC	CC	INTERGENIC		
SNP_80158B_8291	scaffold5928	NW_004519843.1	8291	TT	AA	AA	INTERGENIC		
SNP_80159B_8300	scaffold5928	NW_004519843.1	8300	AA	GG	GG	INTERGENIC		
SNP_80160B_8355	scaffold5928	NW_004519843.1	8355	CC	GG	GG	INTERGENIC		
SNP_80161B_8382	scaffold5928	NW_004519843.1	8382	GG	AA	AA	INTERGENIC		
SNP_80162B_8402	scaffold5928	NW_004519843.1	8402	TT	GG	GG	INTERGENIC		
SNP_80164B_8662	scaffold5928	NW_004519843.1	8662	TT	GG	GG	INTERGENIC		
SNP_80165B_8676	scaffold5928	NW_004519843.1	8676	AA	CC	CC	INTERGENIC		
SNP_80166B_8857	scaffold5928	NW_004519843.1	8857	AA	TT	TT	INTERGENIC		
SNP_80167B_9003	scaffold5928	NW_004519843.1	9003	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80168B_1674	scaffold5929	NW_004519844.1	1674	AA	CC	CC	INTERGENIC		
SNP_80169B_22368	scaffold5934	NW_004519848.1	22368	GG	AA	AA	INTERGENIC		
SNP_80170B_28938	scaffold5934	NW_004519848.1	28938	CC	TT	TT	INTERGENIC		
SNP_80171B_28998	scaffold5934	NW_004519848.1	28998	AA	GG	GG	INTERGENIC		
SNP_80172B_32	scaffold5938	NW_004519852.1	32	GG	AA	AA	INTERGENIC		
SNP_80173B_64	scaffold5938	NW_004519852.1	64	TT	GG	GG	INTERGENIC		
SNP_80174B_105	scaffold5938	NW_004519852.1	105	CC	TT	TT	INTERGENIC		
SNP_80175B_5959	scaffold5941	NW_004519854.1	5959	CC	AA	AA	INTERGENIC		
SNP_80176B_449	scaffold5945	NW_004519856.1	449	CC	AA	AA	DRR	101505339	Unknown function
SNP_80177B_595	scaffold5945	NW_004519856.1	595	AA	GG	GG	DRR	101505339	Unknown function
SNP_80178B_1043	scaffold5945	NW_004519856.1	1043	CC	TT	TT	DRR	101505339	Unknown function
SNP_80179B_1055	scaffold5945	NW_004519856.1	1055	GG	AA	AA	DRR	101505339	Unknown function
SNP_80180B_1181	scaffold5945	NW_004519856.1	1181	CC	AA	AA	DRR	101505339	Unknown function
SNP_80181B_1259	scaffold5945	NW_004519856.1	1259	TT	CC	CC	SYNONYMOUS_CODING	101505339	Unknown function
SNP_80182B_1310	scaffold5945	NW_004519856.1	1310	TT	CC	CC	SYNONYMOUS_CODING	101505339	Unknown function
SNP_80183B_1564	scaffold5952	NW_004519859.1	1564	AA	TT	TT	INTERGENIC		
SNP_80184B_1565	scaffold5952	NW_004519859.1	1565	AA	CC	CC	INTERGENIC		
SNP_80185B_2066	scaffold5952	NW_004519859.1	2066	AA	TT	TT	INTERGENIC		
SNP_80186B_704	scaffold5954	NW_004519861.1	704	AA	TT	TT	INTERGENIC		
SNP_80188B_745	scaffold5954	NW_004519861.1	745	AA	GG	GG	INTERGENIC		
SNP_80189B_840	scaffold5954	NW_004519861.1	840	AA	TT	TT	INTERGENIC		
SNP_80190B_1067	scaffold5954	NW_004519861.1	1067	GG	AA	AA	INTERGENIC		
SNP_80191B_1097	scaffold5954	NW_004519861.1	1097	AA	TT	TT	INTERGENIC		
SNP_80192B_1213	scaffold5954	NW_004519861.1	1213	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80193B_1318	scaffold5954	NW_004519861.1	1318	CC	TT	TT	INTERGENIC		
SNP_80194B_1406	scaffold5954	NW_004519861.1	1406	GG	AA	AA	INTERGENIC		
SNP_80196B_1448	scaffold5954	NW_004519861.1	1448	AA	TT	TT	INTERGENIC		
SNP_80197B_762	scaffold5955	NW_004519862.1	762	AA	GG	GG	INTERGENIC		
SNP_80198B_902	scaffold5955	NW_004519862.1	902	CC	AA	AA	INTERGENIC		
SNP_80199B_908	scaffold5955	NW_004519862.1	908	AA	GG	GG	INTERGENIC		
SNP_80200B_1445	scaffold5955	NW_004519862.1	1445	TT	GG	GG	INTERGENIC		
SNP_80201B_1475	scaffold5955	NW_004519862.1	1475	TT	GG	GG	INTERGENIC		
SNP_80202B_1585	scaffold5955	NW_004519862.1	1585	TT	CC	CC	INTERGENIC		
SNP_80203B_1630	scaffold5955	NW_004519862.1	1630	TT	CC	CC	INTERGENIC		
SNP_80204B_1642	scaffold5955	NW_004519862.1	1642	AA	GG	GG	INTERGENIC		
SNP_80205B_1645	scaffold5955	NW_004519862.1	1645	AA	CC	CC	INTERGENIC		
SNP_80206B_732	scaffold5960	NW_004519867.1	732	CC	GG	GG	INTERGENIC		
SNP_80207B_749	scaffold5960	NW_004519867.1	749	TT	CC	CC	INTERGENIC		
SNP_80208B_819	scaffold5960	NW_004519867.1	819	TT	AA	AA	INTERGENIC		
SNP_80209B_878	scaffold5960	NW_004519867.1	878	TT	CC	CC	INTERGENIC		
SNP_80210B_6413	scaffold5974	NW_004519873.1	6413	TT	CC	CC	INTERGENIC		
SNP_80211B_6513	scaffold5974	NW_004519873.1	6513	TT	GG	GG	INTERGENIC		
SNP_80212B_6852	scaffold5974	NW_004519873.1	6852	AA	GG	GG	INTERGENIC		
SNP_80213B_74	scaffold5975	NW_004519874.1	74	TT	AA	AA	INTERGENIC		
SNP_80214B_747	scaffold5977	NW_004519876.1	747	GG	CC	CC	INTERGENIC		
SNP_80215B_990	scaffold5977	NW_004519876.1	990	TT	GG	GG	INTERGENIC		
SNP_80216B_4521	scaffold5977	NW_004519876.1	4521	AA	GG	GG	INTERGENIC		
SNP_80217B_4552	scaffold5977	NW_004519876.1	4552	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80218B_4743	scaffold5977	NW_004519876.1	4743	GG	TT	TT	INTERGENIC		
SNP_80219B_4786	scaffold5977	NW_004519876.1	4786	GG	AA	AA	INTERGENIC		
SNP_80220B_4791	scaffold5977	NW_004519876.1	4791	AA	TT	TT	INTERGENIC		
SNP_80221B_4802	scaffold5977	NW_004519876.1	4802	TT	CC	CC	INTERGENIC		
SNP_80222B_4825	scaffold5977	NW_004519876.1	4825	GG	AA	AA	INTERGENIC		
SNP_80223B_4887	scaffold5977	NW_004519876.1	4887	AA	GG	GG	INTERGENIC		
SNP_80224B_14513	scaffold5977	NW_004519876.1	14513	AA	CC	CC	INTERGENIC		
SNP_80225B_14528	scaffold5977	NW_004519876.1	14528	TT	AA	AA	INTERGENIC		
SNP_80226B_364	scaffold5979	NW_004519877.1	364	CC	AA	AA	INTERGENIC		
SNP_80227B_569	scaffold5979	NW_004519877.1	569	TT	CC	CC	INTERGENIC		
SNP_80228B_604	scaffold5979	NW_004519877.1	604	AA	GG	GG	INTERGENIC		
SNP_80229B_618	scaffold5979	NW_004519877.1	618	TT	CC	CC	INTERGENIC		
SNP_80230B_622	scaffold5979	NW_004519877.1	622	TT	GG	GG	INTERGENIC		
SNP_80231B_1047	scaffold5988	NW_004519882.1	1047	GG	AA	AA	INTERGENIC		
SNP_80232B_74	scaffold5992	NW_004519884.1	74	CC	TT	TT	INTERGENIC		
SNP_80233B_1516	scaffold5992	NW_004519884.1	1516	GG	AA	AA	INTERGENIC		
SNP_80235B_1556	scaffold5992	NW_004519884.1	1556	CC	GG	GG	INTERGENIC		
SNP_80236B_1674	scaffold5992	NW_004519884.1	1674	AA	CC	CC	INTERGENIC		
SNP_80237B_17898	scaffold5993	NW_004519885.1	17898	TT	AA	AA	INTERGENIC		
SNP_80238B_18022	scaffold5993	NW_004519885.1	18022	TT	CC	CC	INTERGENIC		
SNP_80239B_18092	scaffold5993	NW_004519885.1	18092	AA	GG	GG	INTERGENIC		
SNP_80240B_18120	scaffold5993	NW_004519885.1	18120	AA	TT	TT	INTERGENIC		
SNP_80241B_18167	scaffold5993	NW_004519885.1	18167	AA	TT	TT	INTERGENIC		
SNP_80242B_18286	scaffold5993	NW_004519885.1	18286	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80243B_18320	scaffold5993	NW_004519885.1	18320	CC	TT	TT	INTERGENIC		
SNP_80244B_18534	scaffold5993	NW_004519885.1	18534	CC	TT	TT	DRR	101505993	amino acid permease 6-like
SNP_80247B_18720	scaffold5993	NW_004519885.1	18720	TT	GG	GG	DRR	101505993	amino acid permease 6-like
SNP_80248B_18830	scaffold5993	NW_004519885.1	18830	AA	CC	CC	DRR	101505993	amino acid permease 6-like
SNP_80249B_4644	scaffold5994	NW_004519886.1	4644	TT	GG	GG	INTERGENIC		
SNP_80250B_5032	scaffold5994	NW_004519886.1	5032	CC	AA	AA	INTERGENIC		
SNP_80251B_745	scaffold5997	NW_004519889.1	745	CC	AA	AA	INTERGENIC		
SNP_80252B_1061	scaffold5997	NW_004519889.1	1061	GG	TT	TT	INTERGENIC		
SNP_80253B_1118	scaffold5997	NW_004519889.1	1118	GG	AA	AA	INTERGENIC		
SNP_80254B_2146	scaffold5997	NW_004519889.1	2146	CC	TT	TT	INTERGENIC		
SNP_80255B_2215	scaffold5997	NW_004519889.1	2215	AA	TT	TT	INTERGENIC		
SNP_80256B_855	scaffold5999	NW_004519891.1	855	TT	GG	GG	INTERGENIC		
SNP_80257B_881	scaffold5999	NW_004519891.1	881	TT	CC	CC	INTERGENIC		
SNP_80258B_898	scaffold5999	NW_004519891.1	898	AA	CC	CC	INTERGENIC		
SNP_80259B_902	scaffold5999	NW_004519891.1	902	AA	TT	TT	INTERGENIC		
SNP_80260B_559	scaffold6003	NW_004519894.1	559	AA	TT	TT	INTERGENIC		
SNP_80261B_6035	scaffold6012	NW_004519901.1	6035	GG	AA	AA	INTERGENIC		
SNP_80262B_6122	scaffold6012	NW_004519901.1	6122	GG	AA	AA	INTERGENIC		
SNP_80263B_6251	scaffold6012	NW_004519901.1	6251	CC	TT	TT	INTERGENIC		
SNP_80264B_6329	scaffold6012	NW_004519901.1	6329	CC	TT	TT	INTERGENIC		
SNP_80265B_22115	scaffold6012	NW_004519901.1	22115	TT	AA	AA	INTERGENIC		
SNP_80266B_22463	scaffold6012	NW_004519901.1	22463	TT	AA	AA	INTERGENIC		
SNP_80267B_306	scaffold6014	NW_004519902.1	306	CC	TT	TT	INTERGENIC		
SNP_80268B_1566	scaffold6017	NW_004519905.1	1566	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80269B_47	scaffold6020	NW_004519907.1	47	TT	AA	AA	INTERGENIC		
SNP_80270B_64	scaffold6020	NW_004519907.1	64	TT	CC	CC	INTERGENIC		
SNP_80271B_77	scaffold6020	NW_004519907.1	77	TT	GG	GG	INTERGENIC		
SNP_80272B_138	scaffold6020	NW_004519907.1	138	TT	CC	CC	INTERGENIC		
SNP_80273B_457	scaffold6020	NW_004519907.1	457	CC	GG	GG	INTERGENIC		
SNP_80274B_461	scaffold6020	NW_004519907.1	461	TT	AA	AA	INTERGENIC		
SNP_80275B_468	scaffold6020	NW_004519907.1	468	TT	AA	AA	INTERGENIC		
SNP_80276B_1420	scaffold6020	NW_004519907.1	1420	TT	GG	GG	INTERGENIC		
SNP_80277B_1444	scaffold6020	NW_004519907.1	1444	TT	CC	CC	INTERGENIC		
SNP_80278B_18860	scaffold6022	NW_004519909.1	18860	GG	TT	TT	INTERGENIC		
SNP_80279B_19902	scaffold6022	NW_004519909.1	19902	TT	CC	CC	INTERGENIC		
SNP_80280B_19930	scaffold6022	NW_004519909.1	19930	GG	AA	AA	INTERGENIC		
SNP_80281B_19940	scaffold6022	NW_004519909.1	19940	TT	CC	CC	INTERGENIC		
SNP_80282B_19955	scaffold6022	NW_004519909.1	19955	TT	GG	GG	INTERGENIC		
SNP_80283B_19988	scaffold6022	NW_004519909.1	19988	AA	GG	GG	INTERGENIC		
SNP_80284B_19998	scaffold6022	NW_004519909.1	19998	TT	CC	CC	INTERGENIC		
SNP_80285B_20018	scaffold6022	NW_004519909.1	20018	GG	CC	CC	INTERGENIC		
SNP_80286B_20022	scaffold6022	NW_004519909.1	20022	GG	TT	TT	INTERGENIC		
SNP_80287B_20069	scaffold6022	NW_004519909.1	20069	AA	GG	GG	INTERGENIC		
SNP_80288B_21527	scaffold6022	NW_004519909.1	21527	TT	GG	GG	INTERGENIC		
SNP_80289B_22293	scaffold6022	NW_004519909.1	22293	TT	CC	CC	INTERGENIC		
SNP_80290B_2173	scaffold6034	NW_004519915.1	2173	GG	TT	TT	INTERGENIC		
SNP_80291B_8466	scaffold6055	NW_004519927.1	8466	TT	GG	GG	INTERGENIC		
SNP_80292B_8501	scaffold6055	NW_004519927.1	8501	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80293B_8504	scaffold6055	NW_004519927.1	8504	GG	TT	TT	INTERGENIC		
SNP_80294B_8509	scaffold6055	NW_004519927.1	8509	GG	TT	TT	INTERGENIC		
SNP_80295B_8511	scaffold6055	NW_004519927.1	8511	AA	CC	CC	INTERGENIC		
SNP_80296B_8845	scaffold6055	NW_004519927.1	8845	GG	TT	TT	INTERGENIC		
SNP_80297B_13777	scaffold6055	NW_004519927.1	13777	CC	TT	TT	INTERGENIC		
SNP_80298B_11232	scaffold6058	NW_004519929.1	11232	CC	TT	TT	INTERGENIC		
SNP_80299B_1665	scaffold6064	NW_004519933.1	1665	GG	TT	TT	INTERGENIC		
SNP_80300B_2697	scaffold6066	NW_004519935.1	2697	GG	AA	AA	INTERGENIC		
SNP_80301B_2749	scaffold6066	NW_004519935.1	2749	GG	AA	AA	INTERGENIC		
SNP_80302B_2866	scaffold6066	NW_004519935.1	2866	CC	TT	TT	INTERGENIC		
SNP_80303B_2986	scaffold6066	NW_004519935.1	2986	TT	AA	AA	INTERGENIC		
SNP_80304B_2995	scaffold6066	NW_004519935.1	2995	TT	AA	AA	INTERGENIC		
SNP_80305B_2999	scaffold6066	NW_004519935.1	2999	GG	AA	AA	INTERGENIC		
SNP_80306B_2580	scaffold6069	NW_004519937.1	2580	AA	TT	TT	INTERGENIC		
SNP_80307B_2589	scaffold6069	NW_004519937.1	2589	CC	TT	TT	INTERGENIC		
SNP_80308B_16396	scaffold6091	NW_004519951.1	16396	AA	TT	TT	INTERGENIC		
SNP_80309B_97	scaffold6092	NW_004519952.1	97	GG	AA	AA	INTERGENIC		
SNP_80310B_105	scaffold6092	NW_004519952.1	105	CC	AA	AA	INTERGENIC		
SNP_80311B_160	scaffold6092	NW_004519952.1	160	CC	TT	TT	INTERGENIC		
SNP_80312B_265	scaffold6092	NW_004519952.1	265	AA	CC	CC	INTERGENIC		
SNP_80313B_351	scaffold6092	NW_004519952.1	351	GG	AA	AA	INTERGENIC		
SNP_80314B_363	scaffold6092	NW_004519952.1	363	AA	GG	GG	INTERGENIC		
SNP_80315B_372	scaffold6092	NW_004519952.1	372	TT	CC	CC	INTERGENIC		
SNP_80316B_407	scaffold6092	NW_004519952.1	407	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80317B_460	scaffold6092	NW_004519952.1	460	AA	GG	GG	INTERGENIC		
SNP_80318B_700	scaffold6092	NW_004519952.1	700	GG	TT	TT	INTERGENIC		
SNP_80319B_710	scaffold6092	NW_004519952.1	710	AA	GG	GG	INTERGENIC		
SNP_80321B_1184	scaffold6092	NW_004519952.1	1184	AA	GG	GG	INTERGENIC		
SNP_80322B_1154	scaffold6113	NW_004519965.1	1154	TT	AA	AA	INTERGENIC		
SNP_80323B_1379	scaffold6113	NW_004519965.1	1379	TT	CC	CC	INTERGENIC		
SNP_80324B_1428	scaffold6113	NW_004519965.1	1428	CC	TT	TT	INTERGENIC		
SNP_80326B_1749	scaffold6113	NW_004519965.1	1749	TT	AA	AA	INTERGENIC		
SNP_80327B_1750	scaffold6113	NW_004519965.1	1750	AA	CC	CC	INTERGENIC		
SNP_80328B_1776	scaffold6113	NW_004519965.1	1776	TT	AA	AA	INTERGENIC		
SNP_80329B_5344	scaffold6117	NW_004519969.1	5344	AA	TT	TT	INTERGENIC		
SNP_80330B_5499	scaffold6117	NW_004519969.1	5499	GG	TT	TT	INTERGENIC		
SNP_80331B_5695	scaffold6117	NW_004519969.1	5695	TT	CC	CC	INTERGENIC		
SNP_80333B_1563	scaffold6120	NW_004519970.1	1563	CC	TT	TT	INTERGENIC		
SNP_80334B_1652	scaffold6120	NW_004519970.1	1652	AA	GG	GG	INTERGENIC		
SNP_80335B_1808	scaffold6120	NW_004519970.1	1808	AA	GG	GG	INTERGENIC		
SNP_80336B_1919	scaffold6120	NW_004519970.1	1919	GG	AA	AA	INTERGENIC		
SNP_80337B_2013	scaffold6120	NW_004519970.1	2013	CC	TT	TT	INTERGENIC		
SNP_80338B_2322	scaffold6120	NW_004519970.1	2322	AA	TT	TT	INTERGENIC		
SNP_80339B_2549	scaffold6120	NW_004519970.1	2549	TT	GG	GG	INTERGENIC		
SNP_80340B_3090	scaffold6120	NW_004519970.1	3090	AA	GG	GG	INTERGENIC		
SNP_80341B_3118	scaffold6120	NW_004519970.1	3118	CC	TT	TT	INTERGENIC		
SNP_80342B_3461	scaffold6120	NW_004519970.1	3461	AA	GG	GG	INTERGENIC		
SNP_80343B_3542	scaffold6120	NW_004519970.1	3542	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80344B_3664	scaffold6120	NW_004519970.1	3664	CC	TT	TT	INTERGENIC		
SNP_80345B_3668	scaffold6120	NW_004519970.1	3668	GG	AA	AA	INTERGENIC		
SNP_80346B_3807	scaffold6120	NW_004519970.1	3807	GG	AA	AA	INTERGENIC		
SNP_80347B_3813	scaffold6120	NW_004519970.1	3813	AA	GG	GG	INTERGENIC		
SNP_80348B_3831	scaffold6120	NW_004519970.1	3831	CC	TT	TT	INTERGENIC		
SNP_80349B_3847	scaffold6120	NW_004519970.1	3847	GG	AA	AA	INTERGENIC		
SNP_80350B_6527	scaffold6120	NW_004519970.1	6527	CC	TT	TT	INTERGENIC		
SNP_80351B_16174	scaffold6121	NW_004519971.1	16174	GG	TT	TT	INTERGENIC		
SNP_80352B_16182	scaffold6121	NW_004519971.1	16182	AA	CC	CC	INTERGENIC		
SNP_80353B_16395	scaffold6121	NW_004519971.1	16395	GG	AA	AA	INTERGENIC		
SNP_80354B_5103	scaffold6123	NW_004519973.1	5103	CC	TT	TT	INTERGENIC		
SNP_80355B_5116	scaffold6123	NW_004519973.1	5116	GG	AA	AA	INTERGENIC		
SNP_80356B_439	scaffold6125	NW_004519975.1	439	GG	AA	AA	INTERGENIC		
SNP_80357B_1034	scaffold6125	NW_004519975.1	1034	AA	TT	TT	INTERGENIC		
SNP_80358B_1067	scaffold6125	NW_004519975.1	1067	TT	AA	AA	INTERGENIC		
SNP_80359B_1106	scaffold6125	NW_004519975.1	1106	CC	TT	TT	INTERGENIC		
SNP_80360B_1183	scaffold6125	NW_004519975.1	1183	AA	GG	GG	INTERGENIC		
SNP_80361B_1323	scaffold6125	NW_004519975.1	1323	TT	AA	AA	INTERGENIC		
SNP_80362B_1371	scaffold6125	NW_004519975.1	1371	AA	GG	GG	INTERGENIC		
SNP_80363B_1402	scaffold6125	NW_004519975.1	1402	AA	GG	GG	INTERGENIC		
SNP_80364B_1435	scaffold6125	NW_004519975.1	1435	CC	TT	TT	INTERGENIC		
SNP_80366B_1563	scaffold6125	NW_004519975.1	1563	CC	AA	AA	INTERGENIC		
SNP_80367B_1568	scaffold6125	NW_004519975.1	1568	AA	GG	GG	INTERGENIC		
SNP_80368B_1620	scaffold6125	NW_004519975.1	1620	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80369B_1647	scaffold6125	NW_004519975.1	1647	TT	CC	CC	INTERGENIC		
SNP_80370B_1724	scaffold6125	NW_004519975.1	1724	CC	TT	TT	INTERGENIC		
SNP_80371B_2623	scaffold6125	NW_004519975.1	2623	TT	CC	CC	INTERGENIC		
SNP_80372B_2921	scaffold6125	NW_004519975.1	2921	CC	TT	TT	INTERGENIC		
SNP_80373B_2961	scaffold6125	NW_004519975.1	2961	GG	AA	AA	INTERGENIC		
SNP_80374B_87	scaffold6131	NW_004519980.1	87	CC	AA	AA	INTERGENIC		
SNP_80375B_8780	scaffold6131	NW_004519980.1	8780	AA	CC	CC	INTERGENIC		
SNP_80376B_9553	scaffold6131	NW_004519980.1	9553	TT	AA	AA	INTERGENIC		
SNP_80377B_9862	scaffold6131	NW_004519980.1	9862	AA	TT	TT	INTERGENIC		
SNP_80378B_9917	scaffold6131	NW_004519980.1	9917	GG	CC	CC	INTERGENIC		
SNP_80379B_10109	scaffold6131	NW_004519980.1	10109	TT	CC	CC	INTERGENIC		
SNP_80380B_10768	scaffold6131	NW_004519980.1	10768	TT	CC	CC	INTERGENIC		
SNP_80381B_1360	scaffold6133	NW_004519981.1	1360	AA	CC	CC	INTERGENIC		
SNP_80382B_162	scaffold6137	NW_004519985.1	162	AA	TT	TT	INTERGENIC		
SNP_80383B_635	scaffold6137	NW_004519985.1	635	AA	TT	TT	INTERGENIC		
SNP_80384B_3616	scaffold6137	NW_004519985.1	3616	CC	TT	TT	INTERGENIC		
SNP_80385B_629	scaffold6149	NW_004519989.1	629	GG	TT	TT	INTERGENIC		
SNP_80386B_705	scaffold6149	NW_004519989.1	705	TT	AA	AA	INTERGENIC		
SNP_80387B_855	scaffold6149	NW_004519989.1	855	GG	CC	CC	INTERGENIC		
SNP_80388B_19273	scaffold6153	NW_004519992.1	19273	TT	AA	AA	INTERGENIC		
SNP_80390B_127	scaffold6154	NW_004519993.1	127	CC	GG	GG	INTERGENIC		
SNP_80391B_153	scaffold6154	NW_004519993.1	153	AA	GG	GG	INTERGENIC		
SNP_80392B_225	scaffold6154	NW_004519993.1	225	CC	AA	AA	INTERGENIC		
SNP_80393B_426	scaffold6154	NW_004519993.1	426	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80394B_436	scaffold6154	NW_004519993.1	436	TT	CC	CC	INTERGENIC		
SNP_80395B_490	scaffold6154	NW_004519993.1	490	CC	AA	AA	INTERGENIC		
SNP_80396B_507	scaffold6154	NW_004519993.1	507	GG	TT	TT	INTERGENIC		
SNP_80397B_510	scaffold6154	NW_004519993.1	510	GG	AA	AA	INTERGENIC		
SNP_80399B_611	scaffold6154	NW_004519993.1	611	CC	AA	AA	INTERGENIC		
SNP_80400B_806	scaffold6154	NW_004519993.1	806	AA	GG	GG	INTERGENIC		
SNP_80401B_1680	scaffold6157	NW_004519995.1	1680	TT	AA	AA	INTERGENIC		
SNP_80403B_599	scaffold6158	NW_004519996.1	599	TT	CC	CC	INTERGENIC		
SNP_80404B_716	scaffold6158	NW_004519996.1	716	CC	AA	AA	INTERGENIC		
SNP_80405B_726	scaffold6158	NW_004519996.1	726	AA	GG	GG	INTERGENIC		
SNP_80406B_1812	scaffold6158	NW_004519996.1	1812	GG	CC	CC	INTERGENIC		
SNP_80407B_1879	scaffold6158	NW_004519996.1	1879	AA	GG	GG	INTERGENIC		
SNP_80408B_386	scaffold6165	NW_004520001.1	386	CC	TT	TT	INTERGENIC		
SNP_80409B_553	scaffold6169	NW_004520003.1	553	TT	CC	CC	INTERGENIC		
SNP_80410B_931	scaffold6169	NW_004520003.1	931	TT	GG	GG	INTERGENIC		
SNP_80411B_1337	scaffold6170	NW_004520004.1	1337	CC	GG	GG	INTERGENIC		
SNP_80412B_962	scaffold6171	NW_004520005.1	962	TT	CC	CC	INTERGENIC		
SNP_80413B_19480	scaffold6172	NW_004520006.1	19480	TT	GG	GG	INTERGENIC		
SNP_80414B_19614	scaffold6172	NW_004520006.1	19614	TT	CC	CC	INTERGENIC		
SNP_80415B_19619	scaffold6172	NW_004520006.1	19619	GG	AA	AA	INTERGENIC		
SNP_80416B_19716	scaffold6172	NW_004520006.1	19716	CC	TT	TT	INTERGENIC		
SNP_80417B_19934	scaffold6172	NW_004520006.1	19934	AA	CC	CC	INTERGENIC		
SNP_80418B_20234	scaffold6172	NW_004520006.1	20234	AA	GG	GG	INTERGENIC		
SNP_80419B_29917	scaffold6172	NW_004520006.1	29917	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80420B_30113	scaffold6172	NW_004520006.1	30113	AA	CC	CC	INTERGENIC		
SNP_80421B_30186	scaffold6172	NW_004520006.1	30186	GG	AA	AA	INTERGENIC		
SNP_80422B_37206	scaffold6172	NW_004520006.1	37206	GG	TT	TT	INTERGENIC		
SNP_80423B_37290	scaffold6172	NW_004520006.1	37290	AA	GG	GG	INTERGENIC		
SNP_80424B_37295	scaffold6172	NW_004520006.1	37295	AA	CC	CC	INTERGENIC		
SNP_80425B_37311	scaffold6172	NW_004520006.1	37311	AA	TT	TT	INTERGENIC		
SNP_80426B_37312	scaffold6172	NW_004520006.1	37312	AA	GG	GG	INTERGENIC		
SNP_80427B_37394	scaffold6172	NW_004520006.1	37394	TT	CC	CC	INTERGENIC		
SNP_80428B_37395	scaffold6172	NW_004520006.1	37395	TT	AA	AA	INTERGENIC		
SNP_80429B_37415	scaffold6172	NW_004520006.1	37415	CC	AA	AA	INTERGENIC		
SNP_80430B_37991	scaffold6172	NW_004520006.1	37991	TT	GG	GG	INTERGENIC		
SNP_80431B_184	scaffold6173	NW_004520007.1	184	CC	GG	GG	INTERGENIC		
SNP_80432B_442	scaffold6173	NW_004520007.1	442	TT	GG	GG	INTERGENIC		
SNP_80433B_448	scaffold6173	NW_004520007.1	448	TT	AA	AA	INTERGENIC		
SNP_80434B_487	scaffold6173	NW_004520007.1	487	CC	GG	GG	INTERGENIC		
SNP_80435B_536	scaffold6174	NW_004520008.1	536	TT	AA	AA	INTERGENIC		
SNP_80436B_684	scaffold6174	NW_004520008.1	684	AA	GG	GG	INTERGENIC		
SNP_80437B_704	scaffold6174	NW_004520008.1	704	GG	AA	AA	INTERGENIC		
SNP_80438B_749	scaffold6174	NW_004520008.1	749	TT	GG	GG	INTERGENIC		
SNP_80439B_758	scaffold6174	NW_004520008.1	758	TT	GG	GG	INTERGENIC		
SNP_80440B_776	scaffold6174	NW_004520008.1	776	AA	GG	GG	INTERGENIC		
SNP_80441B_981	scaffold6174	NW_004520008.1	981	TT	AA	AA	INTERGENIC		
SNP_80442B_982	scaffold6174	NW_004520008.1	982	AA	TT	TT	INTERGENIC		
SNP_80443B_1006	scaffold6177	NW_004520011.1	1006	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80444B_3365	scaffold6177	NW_004520011.1	3365	AA	TT	TT	INTERGENIC		
SNP_80445B_3634	scaffold6177	NW_004520011.1	3634	AA	TT	TT	INTERGENIC		
SNP_80447B_3725	scaffold6177	NW_004520011.1	3725	GG	AA	AA	INTERGENIC		
SNP_80448B_4331	scaffold6177	NW_004520011.1	4331	GG	AA	AA	INTERGENIC		
SNP_80449B_912	scaffold6179	NW_004520013.1	912	GG	CC	CC	INTERGENIC		
SNP_80451B_77	scaffold6185	NW_004520018.1	77	TT	GG	GG	INTERGENIC		
SNP_80452B_123	scaffold6185	NW_004520018.1	123	AA	TT	TT	INTERGENIC		
SNP_80453B_233	scaffold6185	NW_004520018.1	233	AA	GG	GG	INTERGENIC		
SNP_80454B_381	scaffold6185	NW_004520018.1	381	AA	GG	GG	INTERGENIC		
SNP_80455B_383	scaffold6185	NW_004520018.1	383	CC	AA	AA	INTERGENIC		
SNP_80457B_542	scaffold6185	NW_004520018.1	542	AA	CC	CC	INTERGENIC		
SNP_80458B_559	scaffold6185	NW_004520018.1	559	TT	CC	CC	INTERGENIC		
SNP_80459B_617	scaffold6185	NW_004520018.1	617	GG	AA	AA	INTERGENIC		
SNP_80460B_658	scaffold6185	NW_004520018.1	658	AA	GG	GG	INTERGENIC		
SNP_80461B_774	scaffold6185	NW_004520018.1	774	GG	AA	AA	INTERGENIC		
SNP_80462B_799	scaffold6185	NW_004520018.1	799	AA	GG	GG	INTERGENIC		
SNP_80463B_846	scaffold6185	NW_004520018.1	846	CC	TT	TT	INTERGENIC		
SNP_80464B_856	scaffold6185	NW_004520018.1	856	CC	AA	AA	INTERGENIC		
SNP_80465B_959	scaffold6185	NW_004520018.1	959	GG	AA	AA	INTERGENIC		
SNP_80466B_989	scaffold6185	NW_004520018.1	989	TT	AA	AA	INTERGENIC		
SNP_80467B_1021	scaffold6185	NW_004520018.1	1021	CC	AA	AA	INTERGENIC		
SNP_80468B_1042	scaffold6185	NW_004520018.1	1042	GG	AA	AA	INTERGENIC		
SNP_80469B_1045	scaffold6185	NW_004520018.1	1045	TT	GG	GG	INTERGENIC		
SNP_80470B_1048	scaffold6185	NW_004520018.1	1048	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80471B_1055	scaffold6185	NW_004520018.1	1055	CC	TT	TT	INTERGENIC		
SNP_80472B_1140	scaffold6185	NW_004520018.1	1140	AA	CC	CC	INTERGENIC		
SNP_80473B_1144	scaffold6185	NW_004520018.1	1144	TT	CC	CC	INTERGENIC		
SNP_80474B_1194	scaffold6185	NW_004520018.1	1194	TT	AA	AA	INTERGENIC		
SNP_80475B_1296	scaffold6185	NW_004520018.1	1296	AA	CC	CC	INTERGENIC		
SNP_80476B_2220	scaffold6185	NW_004520018.1	2220	GG	TT	TT	INTERGENIC		
SNP_80477B_2270	scaffold6185	NW_004520018.1	2270	CC	AA	AA	INTERGENIC		
SNP_80478B_2637	scaffold6185	NW_004520018.1	2637	AA	GG	GG	DRR	101507289	GDSL esterase/lipase At5g45960-like
SNP_80479B_2964	scaffold6185	NW_004520018.1	2964	AA	GG	GG	DRR	101507289	GDSL esterase/lipase At5g45960-like
SNP_80480B_2977	scaffold6185	NW_004520018.1	2977	TT	CC	CC	DRR	101507289	GDSL esterase/lipase At5g45960-like
SNP_80481B_3058	scaffold6185	NW_004520018.1	3058	TT	CC	CC	DRR	101507289	GDSL esterase/lipase At5g45960-like
SNP_80482B_3060	scaffold6185	NW_004520018.1	3060	AA	GG	GG	DRR	101507289	GDSL esterase/lipase At5g45960-like
SNP_80483B_3087	scaffold6185	NW_004520018.1	3087	AA	TT	TT	DRR	101507289	GDSL esterase/lipase At5g45960-like
SNP_80484B_3108	scaffold6185	NW_004520018.1	3108	CC	AA	AA	DRR	101507289	GDSL esterase/lipase At5g45960-like
SNP_80485B_3139	scaffold6185	NW_004520018.1	3139	GG	AA	AA	DRR	101507289	GDSL esterase/lipase At5g45960-like
SNP_80486B_3419	scaffold6185	NW_004520018.1	3419	TT	AA	AA	DRR	101507289	GDSL esterase/lipase At5g45960-like
SNP_80488B_3488	scaffold6185	NW_004520018.1	3488	CC	AA	AA	DRR	101507289	GDSL esterase/lipase At5g45960-like
SNP_80489B_3706	scaffold6185	NW_004520018.1	3706	GG	AA	AA	NON_SYNONYMOUS_CODING	101507289	GDSL esterase/lipase At5g45960-like
SNP_80490B_3719	scaffold6185	NW_004520018.1	3719	CC	TT	TT	NON_SYNONYMOUS_CODING	101507289	GDSL esterase/lipase At5g45960-like
SNP_80491B_3723	scaffold6185	NW_004520018.1	3723	CC	TT	TT	STOP_GAINED	101507289	GDSL esterase/lipase At5g45960-like
SNP_80492B_3856	scaffold6185	NW_004520018.1	3856	GG	TT	TT	SYNONYMOUS_CODING	101507289	GDSL esterase/lipase At5g45960-like
SNP_80493B_623	scaffold6187	NW_004520019.1	623	AA	CC	CC	INTERGENIC		
SNP_80494B_728	scaffold6187	NW_004520019.1	728	GG	AA	AA	INTERGENIC		
SNP_80495B_889	scaffold6187	NW_004520019.1	889	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80496B_1025	scaffold6187	NW_004520019.1	1025	TT	GG	GG	INTERGENIC		
SNP_80497B_447	scaffold6193	NW_004520024.1	447	TT	GG	GG	INTERGENIC		
SNP_80498B_1435	scaffold6193	NW_004520024.1	1435	TT	AA	AA	INTERGENIC		
SNP_80499B_659	scaffold6194	NW_004520025.1	659	AA	TT	TT	INTERGENIC		
SNP_80500B_696	scaffold6194	NW_004520025.1	696	AA	GG	GG	INTERGENIC		
SNP_80501B_697	scaffold6194	NW_004520025.1	697	AA	CC	CC	INTERGENIC		
SNP_80502B_612	scaffold6199	NW_004520030.1	612	AA	CC	CC	INTERGENIC		
SNP_80503B_654	scaffold6199	NW_004520030.1	654	TT	GG	GG	INTERGENIC		
SNP_80505B_4090	scaffold6212	NW_004520038.1	4090	AA	TT	TT	INTERGENIC		
SNP_80506B_4881	scaffold6212	NW_004520038.1	4881	TT	CC	CC	INTERGENIC		
SNP_80507B_99	scaffold6225	NW_004520045.1	99	GG	TT	TT	INTERGENIC		
SNP_80509B_1705	scaffold6238	NW_004520055.1	1705	GG	TT	TT	INTERGENIC		
SNP_80510B_1721	scaffold6238	NW_004520055.1	1721	CC	AA	AA	INTERGENIC		
SNP_80512B_64	scaffold6256	NW_004520060.1	64	TT	CC	CC	INTERGENIC		
SNP_80513B_88	scaffold6256	NW_004520060.1	88	TT	GG	GG	INTERGENIC		
SNP_80514B_107	scaffold6256	NW_004520060.1	107	CC	GG	GG	INTERGENIC		
SNP_80515B_134	scaffold6262	NW_004520063.1	134	GG	TT	TT	INTERGENIC		
SNP_80516B_890	scaffold6300	NW_004520087.1	890	GG	CC	CC	INTERGENIC		
SNP_80517B_1143	scaffold6300	NW_004520087.1	1143	AA	TT	TT	INTERGENIC		
SNP_80518B_1240	scaffold6300	NW_004520087.1	1240	TT	CC	CC	INTERGENIC		
SNP_80519B_1375	scaffold6300	NW_004520087.1	1375	TT	AA	AA	INTERGENIC		
SNP_80520B_1550	scaffold6300	NW_004520087.1	1550	TT	CC	CC	INTERGENIC		
SNP_80521B_1884	scaffold6300	NW_004520087.1	1884	CC	TT	TT	INTERGENIC		
SNP_80522B_2506	scaffold6300	NW_004520087.1	2506	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80523B_2530	scaffold6300	NW_004520087.1	2530	GG	CC	CC	INTERGENIC		
SNP_80524B_2634	scaffold6300	NW_004520087.1	2634	GG	AA	AA	INTERGENIC		
SNP_80525B_3051	scaffold6300	NW_004520087.1	3051	AA	TT	TT	INTERGENIC		
SNP_80526B_3270	scaffold6300	NW_004520087.1	3270	AA	TT	TT	INTERGENIC		
SNP_80527B_3343	scaffold6300	NW_004520087.1	3343	GG	TT	TT	INTERGENIC		
SNP_80528B_3385	scaffold6300	NW_004520087.1	3385	AA	GG	GG	INTERGENIC		
SNP_80529B_3429	scaffold6300	NW_004520087.1	3429	GG	CC	CC	INTERGENIC		
SNP_80530B_3500	scaffold6300	NW_004520087.1	3500	AA	GG	GG	INTERGENIC		
SNP_80531B_4412	scaffold6300	NW_004520087.1	4412	AA	CC	CC	INTERGENIC		
SNP_80532B_11212	scaffold6300	NW_004520087.1	11212	GG	TT	TT	INTERGENIC		
SNP_80533B_11240	scaffold6300	NW_004520087.1	11240	GG	CC	CC	INTERGENIC		
SNP_80534B_11251	scaffold6300	NW_004520087.1	11251	TT	CC	CC	INTERGENIC		
SNP_80535B_11266	scaffold6300	NW_004520087.1	11266	GG	AA	AA	INTERGENIC		
SNP_80536B_3587	scaffold6303	NW_004520090.1	3587	AA	TT	TT	INTERGENIC		
SNP_80538B_706	scaffold6314	NW_004520096.1	706	CC	TT	TT	INTERGENIC		
SNP_80539B_1012	scaffold6314	NW_004520096.1	1012	TT	AA	AA	INTERGENIC		
SNP_80540B_1242	scaffold6314	NW_004520096.1	1242	AA	TT	TT	INTERGENIC		
SNP_80541B_627	scaffold6317	NW_004520097.1	627	GG	TT	TT	INTERGENIC		
SNP_80542B_661	scaffold6317	NW_004520097.1	661	CC	TT	TT	INTERGENIC		
SNP_80543B_16857	scaffold6318	NW_004520098.1	16857	GG	AA	AA	INTERGENIC		
SNP_80544B_17190	scaffold6318	NW_004520098.1	17190	CC	AA	AA	INTERGENIC		
SNP_80545B_17883	scaffold6318	NW_004520098.1	17883	TT	GG	GG	INTERGENIC		
SNP_80546B_17888	scaffold6318	NW_004520098.1	17888	GG	AA	AA	INTERGENIC		
SNP_80547B_709	scaffold6324	NW_004520101.1	709	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80548B_2767	scaffold6330	NW_004520106.1	2767	AA	GG	GG	INTERGENIC		
SNP_80549B_750	scaffold6335	NW_004520111.1	750	TT	AA	AA	INTERGENIC		
SNP_80550B_803	scaffold6335	NW_004520111.1	803	AA	GG	GG	INTERGENIC		
SNP_80551B_819	scaffold6335	NW_004520111.1	819	AA	CC	CC	INTERGENIC		
SNP_80552B_848	scaffold6335	NW_004520111.1	848	AA	CC	CC	INTERGENIC		
SNP_80553B_871	scaffold6335	NW_004520111.1	871	GG	TT	TT	INTERGENIC		
SNP_80555B_889	scaffold6335	NW_004520111.1	889	AA	GG	GG	INTERGENIC		
SNP_80556B_915	scaffold6335	NW_004520111.1	915	AA	CC	CC	INTERGENIC		
SNP_80557B_919	scaffold6335	NW_004520111.1	919	TT	CC	CC	INTERGENIC		
SNP_80558B_923	scaffold6335	NW_004520111.1	923	GG	TT	TT	INTERGENIC		
SNP_80559B_983	scaffold6335	NW_004520111.1	983	GG	AA	AA	INTERGENIC		
SNP_80560B_989	scaffold6335	NW_004520111.1	989	AA	GG	GG	INTERGENIC		
SNP_80561B_990	scaffold6335	NW_004520111.1	990	TT	GG	GG	INTERGENIC		
SNP_80562B_991	scaffold6335	NW_004520111.1	991	TT	GG	GG	INTERGENIC		
SNP_80563B_1342	scaffold6343	NW_004520114.1	1342	GG	TT	TT	INTERGENIC		
SNP_80564B_488	scaffold6360	NW_004520123.1	488	TT	AA	AA	INTERGENIC		
SNP_80565B_32181	scaffold6367	NW_004520126.1	32181	AA	GG	GG	URR	101509837	probable disease resistance protein At1g52660
SNP_80566B_32215	scaffold6367	NW_004520126.1	32215	TT	CC	CC	URR	101509837	probable disease resistance protein At1g52660
SNP_80567B_32228	scaffold6367	NW_004520126.1	32228	GG	AA	AA	URR	101509837	probable disease resistance protein At1g52660
SNP_80568B_32239	scaffold6367	NW_004520126.1	32239	GG	AA	AA	URR	101509837	probable disease resistance protein At1g52660
SNP_80569B_32287	scaffold6367	NW_004520126.1	32287	TT	GG	GG	URR	101509837	probable disease resistance protein At1g52660
SNP_80570B_32367	scaffold6367	NW_004520126.1	32367	AA	GG	GG	URR	101509837	probable disease resistance protein At1g52660
SNP_80571B_32385	scaffold6367	NW_004520126.1	32385	GG	AA	AA	URR	101509837	probable disease resistance protein At1g52660
SNP_80572B_32411	scaffold6367	NW_004520126.1	32411	CC	AA	AA	URR	101509837	probable disease resistance protein At1g52660

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80573B_32456	scaffold6367	NW_004520126.1	32456	TT	GG	GG	URR	101509837	probable disease resistance protein At1g52660
SNP_80574B_32460	scaffold6367	NW_004520126.1	32460	AA	TT	TT	URR	101509837	probable disease resistance protein At1g52660
SNP_80575B_32461	scaffold6367	NW_004520126.1	32461	AA	TT	TT	URR	101509837	probable disease resistance protein At1g52660
SNP_80576B_32462	scaffold6367	NW_004520126.1	32462	AA	TT	TT	URR	101509837	probable disease resistance protein At1g52660
SNP_80577B_32465	scaffold6367	NW_004520126.1	32465	CC	TT	TT	URR	101509837	probable disease resistance protein At1g52660
SNP_80578B_32467	scaffold6367	NW_004520126.1	32467	TT	CC	CC	URR	101509837	probable disease resistance protein At1g52660
SNP_80579B_32469	scaffold6367	NW_004520126.1	32469	AA	TT	TT	URR	101509837	probable disease resistance protein At1g52660
SNP_80580B_32501	scaffold6367	NW_004520126.1	32501	GG	CC	CC	URR	101509837	probable disease resistance protein At1g52660
SNP_80581B_32553	scaffold6367	NW_004520126.1	32553	TT	AA	AA	URR	101509837	probable disease resistance protein At1g52660
SNP_80582B_32630	scaffold6367	NW_004520126.1	32630	GG	AA	AA	URR	101509837	probable disease resistance protein At1g52660
SNP_80583B_32651	scaffold6367	NW_004520126.1	32651	AA	TT	TT	URR	101509837	probable disease resistance protein At1g52660
SNP_80584B_32653	scaffold6367	NW_004520126.1	32653	GG	AA	AA	URR	101509837	probable disease resistance protein At1g52660
SNP_80585B_32727	scaffold6367	NW_004520126.1	32727	AA	GG	GG	URR	101509837	probable disease resistance protein At1g52660
SNP_80586B_32731	scaffold6367	NW_004520126.1	32731	CC	TT	TT	URR	101509837	probable disease resistance protein At1g52660
SNP_80587B_32733	scaffold6367	NW_004520126.1	32733	GG	AA	AA	URR	101509837	probable disease resistance protein At1g52660
SNP_80588B_32831	scaffold6367	NW_004520126.1	32831	AA	GG	GG	URR	101509837	probable disease resistance protein At1g52660
SNP_80589B_32856	scaffold6367	NW_004520126.1	32856	CC	GG	GG	URR	101509837	probable disease resistance protein At1g52660
SNP_80590B_32902	scaffold6367	NW_004520126.1	32902	TT	GG	GG	URR	101509837	probable disease resistance protein At1g52660
SNP_80591B_32966	scaffold6367	NW_004520126.1	32966	CC	TT	TT	URR	101509837	probable disease resistance protein At1g52660
SNP_80592B_32985	scaffold6367	NW_004520126.1	32985	AA	GG	GG	URR	101509837	probable disease resistance protein At1g52660
SNP_80593B_33029	scaffold6367	NW_004520126.1	33029	GG	TT	TT	URR	101509837	probable disease resistance protein At1g52660
SNP_80594B_33053	scaffold6367	NW_004520126.1	33053	GG	AA	AA	INTERGENIC		
SNP_80595B_33068	scaffold6367	NW_004520126.1	33068	TT	CC	CC	INTERGENIC		
SNP_80596B_33144	scaffold6367	NW_004520126.1	33144	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80597B_33148	scaffold6367	NW_004520126.1	33148	AA	GG	GG	INTERGENIC		
SNP_80598B_33175	scaffold6367	NW_004520126.1	33175	CC	TT	TT	INTERGENIC		
SNP_80599B_33179	scaffold6367	NW_004520126.1	33179	GG	AA	AA	INTERGENIC		
SNP_80600B_1082	scaffold6373	NW_004520127.1	1082	CC	AA	AA	INTERGENIC		
SNP_80601B_1306	scaffold6373	NW_004520127.1	1306	GG	AA	AA	INTERGENIC		
SNP_80602B_614	scaffold6375	NW_004520129.1	614	GG	CC	CC	INTERGENIC		
SNP_80603B_643	scaffold6375	NW_004520129.1	643	GG	CC	CC	INTERGENIC		
SNP_80604B_708	scaffold6375	NW_004520129.1	708	TT	CC	CC	INTERGENIC		
SNP_80605B_817	scaffold6375	NW_004520129.1	817	AA	GG	GG	INTERGENIC		
SNP_80606B_837	scaffold6375	NW_004520129.1	837	CC	GG	GG	INTERGENIC		
SNP_80607B_900	scaffold6375	NW_004520129.1	900	AA	TT	TT	INTERGENIC		
SNP_80608B_937	scaffold6376	NW_004520130.1	937	AA	GG	GG	INTERGENIC		
SNP_80609B_2972	scaffold6377	NW_004520131.1	2972	GG	AA	AA	INTERGENIC		
SNP_80610B_3050	scaffold6377	NW_004520131.1	3050	TT	CC	CC	INTERGENIC		
SNP_80612B_252	scaffold6389	NW_004520135.1	252	TT	CC	CC	INTERGENIC		
SNP_80613B_290	scaffold6389	NW_004520135.1	290	GG	AA	AA	INTERGENIC		
SNP_80614B_213	scaffold6391	NW_004520136.1	213	CC	TT	TT	INTERGENIC		
SNP_80615B_2292	scaffold6391	NW_004520136.1	2292	TT	CC	CC	INTERGENIC		
SNP_80616B_3124	scaffold6391	NW_004520136.1	3124	AA	GG	GG	INTERGENIC		
SNP_80617B_512	scaffold6403	NW_004520144.1	512	AA	GG	GG	INTERGENIC		
SNP_80618B_1421	scaffold6404	NW_004520145.1	1421	AA	TT	TT	INTERGENIC		
SNP_80619B_1558	scaffold6404	NW_004520145.1	1558	TT	AA	AA	INTERGENIC		
SNP_80620B_64	scaffold6405	NW_004520146.1	64	AA	TT	TT	INTERGENIC		
SNP_80621B_1917	scaffold6410	NW_004520148.1	1917	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80622B_1944	scaffold6410	NW_004520148.1	1944	GG	AA	AA	INTERGENIC		
SNP_80623B_1949	scaffold6410	NW_004520148.1	1949	TT	AA	AA	INTERGENIC		
SNP_80624B_1982	scaffold6410	NW_004520148.1	1982	CC	TT	TT	INTERGENIC		
SNP_80625B_2142	scaffold6410	NW_004520148.1	2142	AA	TT	TT	INTERGENIC		
SNP_80626B_2160	scaffold6410	NW_004520148.1	2160	GG	AA	AA	INTERGENIC		
SNP_80627B_2169	scaffold6410	NW_004520148.1	2169	TT	AA	AA	INTERGENIC		
SNP_80628B_2203	scaffold6410	NW_004520148.1	2203	TT	CC	CC	INTERGENIC		
SNP_80629B_3806	scaffold6410	NW_004520148.1	3806	TT	AA	AA	INTERGENIC		
SNP_80630B_3809	scaffold6410	NW_004520148.1	3809	TT	CC	CC	INTERGENIC		
SNP_80631B_3832	scaffold6410	NW_004520148.1	3832	TT	CC	CC	INTERGENIC		
SNP_80632B_3889	scaffold6410	NW_004520148.1	3889	AA	GG	GG	INTERGENIC		
SNP_80633B_3975	scaffold6410	NW_004520148.1	3975	GG	AA	AA	INTERGENIC		
SNP_80634B_3976	scaffold6410	NW_004520148.1	3976	AA	GG	GG	INTERGENIC		
SNP_80635B_3990	scaffold6410	NW_004520148.1	3990	TT	GG	GG	INTERGENIC		
SNP_80636B_3999	scaffold6410	NW_004520148.1	3999	GG	TT	TT	INTERGENIC		
SNP_80637B_4018	scaffold6410	NW_004520148.1	4018	CC	GG	GG	INTERGENIC		
SNP_80638B_4028	scaffold6410	NW_004520148.1	4028	GG	AA	AA	INTERGENIC		
SNP_80639B_4135	scaffold6410	NW_004520148.1	4135	TT	AA	AA	INTERGENIC		
SNP_80640B_4146	scaffold6410	NW_004520148.1	4146	GG	CC	CC	INTERGENIC		
SNP_80641B_4198	scaffold6410	NW_004520148.1	4198	AA	TT	TT	INTERGENIC		
SNP_80642B_4236	scaffold6410	NW_004520148.1	4236	CC	TT	TT	INTERGENIC		
SNP_80643B_4340	scaffold6410	NW_004520148.1	4340	AA	GG	GG	INTERGENIC		
SNP_80644B_145	scaffold6429	NW_004520157.1	145	TT	CC	CC	INTERGENIC		
SNP_80645B_147	scaffold6429	NW_004520157.1	147	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80646B_165	scaffold6429	NW_004520157.1	165	TT	GG	GG	INTERGENIC		
SNP_80647B_244	scaffold6429	NW_004520157.1	244	AA	GG	GG	INTERGENIC		
SNP_80648B_361	scaffold6429	NW_004520157.1	361	GG	TT	TT	INTERGENIC		
SNP_80649B_670	scaffold6429	NW_004520157.1	670	GG	CC	CC	INTERGENIC		
SNP_80650B_4801	scaffold6429	NW_004520157.1	4801	GG	TT	TT	INTERGENIC		
SNP_80652B_3188	scaffold6432	NW_004520159.1	3188	GG	AA	AA	INTERGENIC		
SNP_80653B_3406	scaffold6432	NW_004520159.1	3406	CC	AA	AA	INTERGENIC		
SNP_80654B_3413	scaffold6432	NW_004520159.1	3413	TT	CC	CC	INTERGENIC		
SNP_80655B_3532	scaffold6432	NW_004520159.1	3532	GG	TT	TT	INTERGENIC		
SNP_80656B_3582	scaffold6432	NW_004520159.1	3582	CC	TT	TT	INTERGENIC		
SNP_80657B_3592	scaffold6432	NW_004520159.1	3592	AA	TT	TT	INTERGENIC		
SNP_80658B_406	scaffold6437	NW_004520164.1	406	TT	GG	GG	INTERGENIC		
SNP_80659B_483	scaffold6437	NW_004520164.1	483	GG	AA	AA	INTERGENIC		
SNP_80660B_560	scaffold6437	NW_004520164.1	560	AA	GG	GG	INTERGENIC		
SNP_80661B_643	scaffold6437	NW_004520164.1	643	AA	TT	TT	INTERGENIC		
SNP_80662B_716	scaffold6437	NW_004520164.1	716	TT	AA	AA	INTERGENIC		
SNP_80663B_873	scaffold6440	NW_004520166.1	873	AA	TT	TT	INTERGENIC		
SNP_80664B_377	scaffold6449	NW_004520171.1	377	AA	TT	TT	INTERGENIC		
SNP_80665B_329	scaffold6451	NW_004520172.1	329	AA	TT	TT	INTERGENIC		
SNP_80666B_1167	scaffold6478	NW_004520185.1	1167	AA	TT	TT	INTERGENIC		
SNP_80667B_1263	scaffold6478	NW_004520185.1	1263	AA	GG	GG	INTERGENIC		
SNP_80668B_1293	scaffold6478	NW_004520185.1	1293	AA	GG	GG	INTERGENIC		
SNP_80669B_122	scaffold6480	NW_004520187.1	122	GG	AA	AA	INTERGENIC		
SNP_80670B_143	scaffold6480	NW_004520187.1	143	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80671B_158	scaffold6480	NW_004520187.1	158	AA	GG	GG	INTERGENIC		
SNP_80672B_299	scaffold6480	NW_004520187.1	299	CC	TT	TT	INTERGENIC		
SNP_80674B_436	scaffold6480	NW_004520187.1	436	TT	CC	CC	INTERGENIC		
SNP_80675B_512	scaffold6480	NW_004520187.1	512	TT	AA	AA	INTERGENIC		
SNP_80677B_585	scaffold6480	NW_004520187.1	585	AA	TT	TT	INTERGENIC		
SNP_80678B_607	scaffold6480	NW_004520187.1	607	GG	AA	AA	INTERGENIC		
SNP_80679B_638	scaffold6480	NW_004520187.1	638	AA	TT	TT	INTERGENIC		
SNP_80681B_751	scaffold6480	NW_004520187.1	751	CC	TT	TT	INTERGENIC		
SNP_80682B_861	scaffold6480	NW_004520187.1	861	GG	TT	TT	INTERGENIC		
SNP_80683B_878	scaffold6480	NW_004520187.1	878	GG	CC	CC	INTERGENIC		
SNP_80684B_887	scaffold6480	NW_004520187.1	887	CC	GG	GG	INTERGENIC		
SNP_80685B_967	scaffold6480	NW_004520187.1	967	CC	TT	TT	INTERGENIC		
SNP_80686B_993	scaffold6480	NW_004520187.1	993	GG	AA	AA	INTERGENIC		
SNP_80687B_1013	scaffold6480	NW_004520187.1	1013	TT	CC	CC	INTERGENIC		
SNP_80688B_1144	scaffold6480	NW_004520187.1	1144	TT	CC	CC	INTERGENIC		
SNP_80689B_1185	scaffold6480	NW_004520187.1	1185	TT	CC	CC	INTERGENIC		
SNP_80690B_1217	scaffold6480	NW_004520187.1	1217	AA	GG	GG	INTERGENIC		
SNP_80691B_1218	scaffold6480	NW_004520187.1	1218	AA	GG	GG	INTERGENIC		
SNP_80692B_1337	scaffold6489	NW_004520192.1	1337	AA	GG	GG	INTERGENIC		
SNP_80693B_1415	scaffold6489	NW_004520192.1	1415	AA	TT	TT	INTERGENIC		
SNP_80694B_1441	scaffold6489	NW_004520192.1	1441	GG	AA	AA	INTERGENIC		
SNP_80695B_1479	scaffold6489	NW_004520192.1	1479	GG	AA	AA	INTERGENIC		
SNP_80696B_1725	scaffold6491	NW_004520194.1	1725	TT	AA	AA	INTERGENIC		
SNP_80697B_412	scaffold6492	NW_004520195.1	412	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80698B_815	scaffold6492	NW_004520195.1	815	CC	TT	TT	INTERGENIC		
SNP_80699B_848	scaffold6492	NW_004520195.1	848	GG	TT	TT	INTERGENIC		
SNP_80700B_4322	scaffold6493	NW_004520196.1	4322	GG	AA	AA	INTERGENIC		
SNP_80701B_4936	scaffold6493	NW_004520196.1	4936	AA	GG	GG	INTERGENIC		
SNP_80702B_1577	scaffold6494	NW_004520197.1	1577	AA	GG	GG	INTERGENIC		
SNP_80703B_1578	scaffold6494	NW_004520197.1	1578	GG	AA	AA	INTERGENIC		
SNP_80704B_162	scaffold6496	NW_004520199.1	162	AA	TT	TT	INTERGENIC		
SNP_80705B_174	scaffold6496	NW_004520199.1	174	AA	GG	GG	INTERGENIC		
SNP_80706B_491	scaffold6496	NW_004520199.1	491	AA	CC	CC	INTERGENIC		
SNP_80707B_497	scaffold6496	NW_004520199.1	497	TT	AA	AA	INTERGENIC		
SNP_80708B_503	scaffold6496	NW_004520199.1	503	GG	AA	AA	INTERGENIC		
SNP_80709B_816	scaffold6496	NW_004520199.1	816	CC	TT	TT	INTERGENIC		
SNP_80710B_842	scaffold6496	NW_004520199.1	842	AA	TT	TT	INTERGENIC		
SNP_80711B_845	scaffold6496	NW_004520199.1	845	AA	CC	CC	INTERGENIC		
SNP_80713B_932	scaffold6496	NW_004520199.1	932	AA	GG	GG	INTERGENIC		
SNP_80714B_955	scaffold6496	NW_004520199.1	955	GG	TT	TT	INTERGENIC		
SNP_80715B_957	scaffold6496	NW_004520199.1	957	CC	AA	AA	INTERGENIC		
SNP_80716B_959	scaffold6496	NW_004520199.1	959	CC	GG	GG	INTERGENIC		
SNP_80717B_972	scaffold6496	NW_004520199.1	972	CC	TT	TT	INTERGENIC		
SNP_80718B_978	scaffold6496	NW_004520199.1	978	CC	TT	TT	INTERGENIC		
SNP_80719B_990	scaffold6496	NW_004520199.1	990	GG	AA	AA	INTERGENIC		
SNP_80720B_1014	scaffold6496	NW_004520199.1	1014	GG	AA	AA	INTERGENIC		
SNP_80721B_1029	scaffold6496	NW_004520199.1	1029	CC	GG	GG	INTERGENIC		
SNP_80722B_1044	scaffold6496	NW_004520199.1	1044	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80723B_1165	scaffold6496	NW_004520199.1	1165	TT	AA	AA	INTERGENIC		
SNP_80724B_1193	scaffold6496	NW_004520199.1	1193	CC	GG	GG	INTERGENIC		
SNP_80725B_1132	scaffold6498	NW_004520201.1	1132	GG	AA	AA	INTERGENIC		
SNP_80726B_1185	scaffold6498	NW_004520201.1	1185	CC	GG	GG	INTERGENIC		
SNP_80727B_1397	scaffold6498	NW_004520201.1	1397	AA	GG	GG	INTERGENIC		
SNP_80728B_1449	scaffold6498	NW_004520201.1	1449	GG	CC	CC	INTERGENIC		
SNP_80729B_246	scaffold6505	NW_004520204.1	246	AA	TT	TT	INTERGENIC		
SNP_80730B_1082	scaffold6509	NW_004520207.1	1082	GG	TT	TT	INTERGENIC		
SNP_80731B_833	scaffold6521	NW_004520212.1	833	TT	GG	GG	INTERGENIC		
SNP_80732B_1129	scaffold6521	NW_004520212.1	1129	TT	GG	GG	INTERGENIC		
SNP_80733B_305	scaffold6525	NW_004520214.1	305	CC	GG	GG	INTERGENIC		
SNP_80734B_461	scaffold6525	NW_004520214.1	461	TT	CC	CC	INTERGENIC		
SNP_80735B_945	scaffold6525	NW_004520214.1	945	CC	AA	AA	INTERGENIC		
SNP_80736B_1150	scaffold6525	NW_004520214.1	1150	AA	TT	TT	INTERGENIC		
SNP_80737B_458	scaffold6527	NW_004520215.1	458	AA	GG	GG	INTERGENIC		
SNP_80738B_641	scaffold6527	NW_004520215.1	641	TT	CC	CC	INTERGENIC		
SNP_80739B_646	scaffold6527	NW_004520215.1	646	TT	CC	CC	INTERGENIC		
SNP_80740B_824	scaffold6529	NW_004520217.1	824	TT	CC	CC	INTERGENIC		
SNP_80741B_524	scaffold6537	NW_004520221.1	524	AA	CC	CC	INTERGENIC		
SNP_80742B_595	scaffold6537	NW_004520221.1	595	AA	GG	GG	INTERGENIC		
SNP_80743B_1319	scaffold6537	NW_004520221.1	1319	TT	GG	GG	INTERGENIC		
SNP_80744B_1388	scaffold6537	NW_004520221.1	1388	TT	GG	GG	INTERGENIC		
SNP_80745B_1608	scaffold6537	NW_004520221.1	1608	CC	AA	AA	INTERGENIC		
SNP_80746B_1879	scaffold6537	NW_004520221.1	1879	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80747B_2087	scaffold6537	NW_004520221.1	2087	AA	GG	GG	INTERGENIC		
SNP_80748B_2161	scaffold6537	NW_004520221.1	2161	TT	GG	GG	INTERGENIC		
SNP_80749B_2221	scaffold6537	NW_004520221.1	2221	TT	CC	CC	INTERGENIC		
SNP_80750B_2250	scaffold6537	NW_004520221.1	2250	TT	GG	GG	INTERGENIC		
SNP_80751B_2346	scaffold6537	NW_004520221.1	2346	CC	TT	TT	INTERGENIC		
SNP_80752B_2355	scaffold6537	NW_004520221.1	2355	CC	GG	GG	INTERGENIC		
SNP_80753B_2501	scaffold6537	NW_004520221.1	2501	CC	AA	AA	INTERGENIC		
SNP_80754B_2875	scaffold6537	NW_004520221.1	2875	TT	AA	CC	INTERGENIC		
SNP_80755B_2921	scaffold6537	NW_004520221.1	2921	CC	GG	GG	INTERGENIC		
SNP_80756B_765	scaffold6540	NW_004520224.1	765	TT	CC	CC	INTERGENIC		
SNP_80757B_844	scaffold6540	NW_004520224.1	844	AA	GG	GG	INTERGENIC		
SNP_80758B_935	scaffold6540	NW_004520224.1	935	AA	GG	GG	INTERGENIC		
SNP_80759B_1121	scaffold6540	NW_004520224.1	1121	TT	AA	AA	INTERGENIC		
SNP_80760B_1248	scaffold6540	NW_004520224.1	1248	TT	CC	CC	INTERGENIC		
SNP_80762B_691	scaffold6543	NW_004520226.1	691	TT	GG	GG	INTERGENIC		
SNP_80763B_2251	scaffold6546	NW_004520228.1	2251	CC	TT	TT	INTERGENIC		
SNP_80764B_2326	scaffold6546	NW_004520228.1	2326	AA	CC	CC	INTERGENIC		
SNP_80765B_2856	scaffold6546	NW_004520228.1	2856	AA	GG	GG	INTERGENIC		
SNP_80766B_7792	scaffold6546	NW_004520228.1	7792	AA	GG	GG	INTERGENIC		
SNP_80767B_7857	scaffold6546	NW_004520228.1	7857	CC	AA	AA	INTERGENIC		
SNP_80768B_7866	scaffold6546	NW_004520228.1	7866	TT	GG	GG	INTERGENIC		
SNP_80769B_7922	scaffold6546	NW_004520228.1	7922	GG	AA	AA	INTERGENIC		
SNP_80770B_1141	scaffold6554	NW_004520231.1	1141	GG	AA	AA	INTERGENIC		
SNP_80771B_308	scaffold6561	NW_004520236.1	308	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80773B_602	scaffold6561	NW_004520236.1	602	AA	GG	GG	INTERGENIC		
SNP_80774B_810	scaffold6561	NW_004520236.1	810	TT	GG	GG	INTERGENIC		
SNP_80775B_843	scaffold6561	NW_004520236.1	843	AA	TT	TT	INTERGENIC		
SNP_80776B_846	scaffold6561	NW_004520236.1	846	AA	GG	GG	INTERGENIC		
SNP_80777B_860	scaffold6561	NW_004520236.1	860	TT	GG	GG	INTERGENIC		
SNP_80778B_871	scaffold6561	NW_004520236.1	871	GG	AA	AA	INTERGENIC		
SNP_80779B_879	scaffold6561	NW_004520236.1	879	TT	CC	CC	INTERGENIC		
SNP_80780B_925	scaffold6561	NW_004520236.1	925	TT	AA	AA	INTERGENIC		
SNP_80781B_927	scaffold6561	NW_004520236.1	927	AA	TT	TT	INTERGENIC		
SNP_80782B_1020	scaffold6561	NW_004520236.1	1020	TT	GG	GG	INTERGENIC		
SNP_80783B_1128	scaffold6561	NW_004520236.1	1128	TT	GG	GG	INTERGENIC		
SNP_80784B_1307	scaffold6561	NW_004520236.1	1307	AA	GG	GG	INTERGENIC		
SNP_80785B_1313	scaffold6561	NW_004520236.1	1313	TT	CC	CC	INTERGENIC		
SNP_80786B_1316	scaffold6561	NW_004520236.1	1316	GG	AA	AA	INTERGENIC		
SNP_80787B_1375	scaffold6561	NW_004520236.1	1375	TT	AA	AA	INTERGENIC		
SNP_80788B_1515	scaffold6561	NW_004520236.1	1515	TT	GG	GG	INTERGENIC		
SNP_80789B_1581	scaffold6561	NW_004520236.1	1581	GG	AA	AA	INTERGENIC		
SNP_80790B_166	scaffold6566	NW_004520240.1	166	AA	TT	TT	INTERGENIC		
SNP_80791B_220	scaffold6566	NW_004520240.1	220	GG	AA	AA	INTERGENIC		
SNP_80792B_221	scaffold6566	NW_004520240.1	221	GG	TT	TT	INTERGENIC		
SNP_80793B_580	scaffold6566	NW_004520240.1	580	CC	TT	TT	INTERGENIC		
SNP_80794B_596	scaffold6566	NW_004520240.1	596	TT	CC	CC	INTERGENIC		
SNP_80795B_611	scaffold6566	NW_004520240.1	611	TT	CC	CC	INTERGENIC		
SNP_80797B_911	scaffold6568	NW_004520241.1	911	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80798B_1130	scaffold6568	NW_004520241.1	1130	TT	CC	CC	INTERGENIC		
SNP_80799B_1649	scaffold6568	NW_004520241.1	1649	TT	CC	CC	INTERGENIC		
SNP_80800B_1692	scaffold6568	NW_004520241.1	1692	GG	AA	AA	INTERGENIC		
SNP_80801B_1782	scaffold6568	NW_004520241.1	1782	CC	AA	AA	INTERGENIC		
SNP_80802B_2033	scaffold6568	NW_004520241.1	2033	GG	AA	AA	INTERGENIC		
SNP_80803B_2291	scaffold6568	NW_004520241.1	2291	CC	GG	GG	INTERGENIC		
SNP_80804B_2500	scaffold6568	NW_004520241.1	2500	CC	TT	TT	INTERGENIC		
SNP_80805B_1023	scaffold6569	NW_004520242.1	1023	AA	CC	CC	DRR	101512407	ribonuclease S-1-like
SNP_80806B_860	scaffold6572	NW_004520245.1	860	AA	CC	CC	INTERGENIC		
SNP_80807B_944	scaffold6572	NW_004520245.1	944	AA	GG	GG	INTERGENIC		
SNP_80808B_1036	scaffold6572	NW_004520245.1	1036	GG	AA	AA	INTERGENIC		
SNP_80809B_1243	scaffold6572	NW_004520245.1	1243	TT	CC	CC	INTERGENIC		
SNP_80810B_1398	scaffold6572	NW_004520245.1	1398	GG	AA	AA	INTERGENIC		
SNP_80811B_1432	scaffold6572	NW_004520245.1	1432	AA	CC	CC	INTERGENIC		
SNP_80812B_1481	scaffold6572	NW_004520245.1	1481	CC	AA	AA	INTERGENIC		
SNP_80813B_1482	scaffold6572	NW_004520245.1	1482	AA	GG	GG	INTERGENIC		
SNP_80814B_1582	scaffold6572	NW_004520245.1	1582	GG	AA	AA	INTERGENIC		
SNP_80815B_1583	scaffold6572	NW_004520245.1	1583	GG	AA	AA	INTERGENIC		
SNP_80816B_1641	scaffold6572	NW_004520245.1	1641	TT	CC	CC	INTERGENIC		
SNP_80817B_1795	scaffold6572	NW_004520245.1	1795	CC	TT	TT	INTERGENIC		
SNP_80818B_1807	scaffold6572	NW_004520245.1	1807	TT	CC	CC	INTERGENIC		
SNP_80819B_1867	scaffold6572	NW_004520245.1	1867	AA	GG	GG	INTERGENIC		
SNP_80820B_1953	scaffold6572	NW_004520245.1	1953	GG	AA	AA	INTERGENIC		
SNP_80821B_2035	scaffold6572	NW_004520245.1	2035	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80822B_2068	scaffold6572	NW_004520245.1	2068	AA	GG	GG	INTERGENIC		
SNP_80823B_2108	scaffold6572	NW_004520245.1	2108	CC	TT	TT	INTERGENIC		
SNP_80824B_2211	scaffold6572	NW_004520245.1	2211	CC	TT	TT	INTERGENIC		
SNP_80825B_2282	scaffold6572	NW_004520245.1	2282	TT	CC	CC	INTERGENIC		
SNP_80826B_2342	scaffold6572	NW_004520245.1	2342	CC	TT	TT	INTERGENIC		
SNP_80827B_2378	scaffold6572	NW_004520245.1	2378	GG	AA	AA	INTERGENIC		
SNP_80828B_2905	scaffold6572	NW_004520245.1	2905	CC	AA	AA	INTERGENIC		
SNP_80829B_3729	scaffold6572	NW_004520245.1	3729	GG	AA	AA	INTERGENIC		
SNP_80830B_3760	scaffold6572	NW_004520245.1	3760	AA	TT	TT	INTERGENIC		
SNP_80831B_3772	scaffold6572	NW_004520245.1	3772	GG	AA	AA	INTERGENIC		
SNP_80832B_4104	scaffold6572	NW_004520245.1	4104	GG	TT	TT	INTERGENIC		
SNP_80833B_4387	scaffold6572	NW_004520245.1	4387	GG	AA	AA	INTERGENIC		
SNP_80834B_4396	scaffold6572	NW_004520245.1	4396	AA	CC	CC	INTERGENIC		
SNP_80835B_4403	scaffold6572	NW_004520245.1	4403	TT	CC	CC	INTERGENIC		
SNP_80836B_5045	scaffold6572	NW_004520245.1	5045	TT	CC	CC	INTERGENIC		
SNP_80837B_5119	scaffold6572	NW_004520245.1	5119	CC	TT	TT	INTERGENIC		
SNP_80838B_5184	scaffold6572	NW_004520245.1	5184	CC	GG	GG	INTERGENIC		
SNP_80839B_5337	scaffold6572	NW_004520245.1	5337	CC	TT	TT	INTERGENIC		
SNP_80840B_5359	scaffold6572	NW_004520245.1	5359	GG	AA	AA	INTERGENIC		
SNP_80841B_5559	scaffold6572	NW_004520245.1	5559	AA	GG	GG	INTERGENIC		
SNP_80842B_5571	scaffold6572	NW_004520245.1	5571	AA	GG	GG	INTERGENIC		
SNP_80843B_5626	scaffold6572	NW_004520245.1	5626	GG	AA	AA	INTERGENIC		
SNP_80844B_797	scaffold6579	NW_004520250.1	797	AA	GG	GG	INTERGENIC		
SNP_80845B_798	scaffold6579	NW_004520250.1	798	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80846B_224	scaffold6582	NW_004520253.1	224	TT	CC	CC	INTERGENIC		
SNP_80847B_230	scaffold6582	NW_004520253.1	230	AA	GG	GG	INTERGENIC		
SNP_80848B_250	scaffold6582	NW_004520253.1	250	AA	TT	TT	INTERGENIC		
SNP_80849B_280	scaffold6582	NW_004520253.1	280	TT	GG	GG	INTERGENIC		
SNP_80850B_423	scaffold6582	NW_004520253.1	423	AA	GG	GG	INTERGENIC		
SNP_80851B_457	scaffold6582	NW_004520253.1	457	CC	TT	TT	INTERGENIC		
SNP_80852B_752	scaffold6590	NW_004520258.1	752	TT	GG	GG	INTERGENIC		
SNP_80853B_818	scaffold6590	NW_004520258.1	818	TT	CC	CC	INTERGENIC		
SNP_80854B_830	scaffold6590	NW_004520258.1	830	TT	GG	GG	INTERGENIC		
SNP_80855B_914	scaffold6590	NW_004520258.1	914	CC	TT	TT	INTERGENIC		
SNP_80856B_926	scaffold6590	NW_004520258.1	926	AA	CC	CC	INTERGENIC		
SNP_80857B_1024	scaffold6590	NW_004520258.1	1024	AA	TT	TT	INTERGENIC		
SNP_80858B_1342	scaffold6590	NW_004520258.1	1342	TT	AA	AA	INTERGENIC		
SNP_80859B_742	scaffold6594	NW_004520261.1	742	GG	TT	TT	INTERGENIC		
SNP_80860B_760	scaffold6594	NW_004520261.1	760	GG	AA	AA	INTERGENIC		
SNP_80861B_761	scaffold6594	NW_004520261.1	761	AA	CC	CC	INTERGENIC		
SNP_80862B_763	scaffold6594	NW_004520261.1	763	AA	GG	GG	INTERGENIC		
SNP_80863B_964	scaffold6594	NW_004520261.1	964	CC	TT	TT	INTERGENIC		
SNP_80864B_1045	scaffold6594	NW_004520261.1	1045	GG	TT	TT	INTERGENIC		
SNP_80865B_1108	scaffold6594	NW_004520261.1	1108	GG	AA	AA	INTERGENIC		
SNP_80866B_1134	scaffold6594	NW_004520261.1	1134	TT	AA	AA	INTERGENIC		
SNP_80867B_185	scaffold6597	NW_004520262.1	185	AA	TT	TT	INTERGENIC		
SNP_80868B_253	scaffold6597	NW_004520262.1	253	AA	GG	GG	INTERGENIC		
SNP_80869B_413	scaffold6597	NW_004520262.1	413	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80870B_481	scaffold6597	NW_004520262.1	481	GG	CC	CC	INTERGENIC		
SNP_80871B_528	scaffold6597	NW_004520262.1	528	GG	AA	AA	INTERGENIC		
SNP_80872B_592	scaffold6597	NW_004520262.1	592	TT	CC	CC	INTERGENIC		
SNP_80873B_14936	scaffold6610	NW_004520269.1	14936	TT	AA	AA	INTERGENIC		
SNP_80874B_16533	scaffold6610	NW_004520269.1	16533	AA	TT	TT	INTERGENIC		
SNP_80876B_398	scaffold6613	NW_004520272.1	398	CC	TT	TT	INTERGENIC		
SNP_80877B_421	scaffold6613	NW_004520272.1	421	TT	AA	AA	INTERGENIC		
SNP_80878B_712	scaffold6613	NW_004520272.1	712	AA	CC	CC	INTERGENIC		
SNP_80879B_713	scaffold6613	NW_004520272.1	713	AA	TT	TT	INTERGENIC		
SNP_80880B_633	scaffold6623	NW_004520281.1	633	GG	CC	CC	INTERGENIC		
SNP_80881B_652	scaffold6623	NW_004520281.1	652	AA	TT	TT	INTERGENIC		
SNP_80882B_473	scaffold6628	NW_004520285.1	473	CC	GG	GG	INTERGENIC		
SNP_80883B_250	scaffold6646	NW_004520291.1	250	CC	GG	GG	INTERGENIC		
SNP_80884B_463	scaffold6646	NW_004520291.1	463	TT	AA	AA	INTERGENIC		
SNP_80885B_479	scaffold6646	NW_004520291.1	479	GG	AA	AA	INTERGENIC		
SNP_80886B_508	scaffold6646	NW_004520291.1	508	TT	AA	AA	INTERGENIC		
SNP_80887B_809	scaffold6646	NW_004520291.1	809	TT	AA	AA	INTERGENIC		
SNP_80888B_1113	scaffold6646	NW_004520291.1	1113	AA	GG	GG	INTERGENIC		
SNP_80889B_1488	scaffold6646	NW_004520291.1	1488	TT	CC	CC	INTERGENIC		
SNP_80890B_1490	scaffold6646	NW_004520291.1	1490	GG	CC	CC	INTERGENIC		
SNP_80891B_1644	scaffold6646	NW_004520291.1	1644	CC	TT	TT	INTERGENIC		
SNP_80892B_1656	scaffold6646	NW_004520291.1	1656	CC	TT	TT	INTERGENIC		
SNP_80893B_1881	scaffold6646	NW_004520291.1	1881	AA	TT	TT	INTERGENIC		
SNP_80894B_1903	scaffold6646	NW_004520291.1	1903	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80895B_2019	scaffold6646	NW_004520291.1	2019	AA	TT	TT	INTERGENIC		
SNP_80896B_2062	scaffold6646	NW_004520291.1	2062	TT	GG	GG	INTERGENIC		
SNP_80897B_956	scaffold6653	NW_004520293.1	956	CC	TT	TT	INTERGENIC		
SNP_80898B_64	scaffold6671	NW_004520305.1	64	TT	AA	AA	INTERGENIC		
SNP_80899B_739	scaffold6672	NW_004520306.1	739	TT	AA	AA	INTERGENIC		
SNP_80900B_835	scaffold6672	NW_004520306.1	835	GG	AA	AA	INTERGENIC		
SNP_80901B_1068	scaffold6672	NW_004520306.1	1068	AA	GG	GG	INTERGENIC		
SNP_80902B_329	scaffold6673	NW_004520307.1	329	TT	AA	AA	INTERGENIC		
SNP_80903B_331	scaffold6673	NW_004520307.1	331	TT	AA	AA	INTERGENIC		
SNP_80904B_445	scaffold6673	NW_004520307.1	445	TT	CC	CC	INTERGENIC		
SNP_80905B_494	scaffold6673	NW_004520307.1	494	AA	CC	CC	INTERGENIC		
SNP_80906B_564	scaffold6673	NW_004520307.1	564	CC	AA	AA	INTERGENIC		
SNP_80907B_650	scaffold6673	NW_004520307.1	650	CC	TT	TT	INTERGENIC		
SNP_80908B_663	scaffold6673	NW_004520307.1	663	GG	AA	AA	INTERGENIC		
SNP_80909B_823	scaffold6673	NW_004520307.1	823	CC	TT	TT	INTERGENIC		
SNP_80910B_934	scaffold6673	NW_004520307.1	934	AA	GG	GG	INTERGENIC		
SNP_80911B_1107	scaffold6673	NW_004520307.1	1107	AA	GG	GG	INTERGENIC		
SNP_80912B_12892	scaffold6687	NW_004520317.1	12892	TT	GG	GG	INTERGENIC		
SNP_80913B_13947	scaffold6687	NW_004520317.1	13947	GG	TT	TT	INTERGENIC		
SNP_80914B_14639	scaffold6687	NW_004520317.1	14639	AA	GG	GG	INTERGENIC		
SNP_80915B_826	scaffold6694	NW_004520321.1	826	TT	GG	GG	INTERGENIC		
SNP_80916B_851	scaffold6694	NW_004520321.1	851	CC	AA	AA	INTERGENIC		
SNP_80917B_1584	scaffold6694	NW_004520321.1	1584	GG	AA	AA	INTERGENIC		
SNP_80918B_1626	scaffold6694	NW_004520321.1	1626	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80920B_2027	scaffold6694	NW_004520321.1	2027	GG	TT	TT	INTERGENIC		
SNP_80921B_2072	scaffold6694	NW_004520321.1	2072	AA	TT	TT	INTERGENIC		
SNP_80922B_2280	scaffold6694	NW_004520321.1	2280	GG	AA	AA	INTERGENIC		
SNP_80923B_2341	scaffold6694	NW_004520321.1	2341	TT	CC	CC	INTERGENIC		
SNP_80924B_64	scaffold6695	NW_004520322.1	64	CC	GG	GG	INTERGENIC		
SNP_80925B_669	scaffold6695	NW_004520322.1	669	AA	GG	GG	INTERGENIC		
SNP_80926B_710	scaffold6695	NW_004520322.1	710	TT	CC	CC	INTERGENIC		
SNP_80927B_1248	scaffold6695	NW_004520322.1	1248	TT	CC	CC	INTERGENIC		
SNP_80928B_939	scaffold6696	NW_004520323.1	939	AA	TT	TT	INTERGENIC		
SNP_80929B_952	scaffold6696	NW_004520323.1	952	AA	TT	TT	INTERGENIC		
SNP_80930B_983	scaffold6696	NW_004520323.1	983	CC	TT	TT	INTERGENIC		
SNP_80931B_1000	scaffold6696	NW_004520323.1	1000	TT	CC	CC	INTERGENIC		
SNP_80932B_1049	scaffold6696	NW_004520323.1	1049	TT	CC	CC	INTERGENIC		
SNP_80933B_1165	scaffold6696	NW_004520323.1	1165	TT	CC	CC	INTERGENIC		
SNP_80934B_1485	scaffold6696	NW_004520323.1	1485	TT	CC	CC	INTERGENIC		
SNP_80935B_78	scaffold6700	NW_004520327.1	78	CC	GG	GG	INTERGENIC		
SNP_80936B_90	scaffold6700	NW_004520327.1	90	TT	AA	AA	INTERGENIC		
SNP_80937B_202	scaffold6700	NW_004520327.1	202	GG	AA	AA	INTERGENIC		
SNP_80938B_210	scaffold6700	NW_004520327.1	210	AA	GG	GG	INTERGENIC		
SNP_80939B_303	scaffold6700	NW_004520327.1	303	GG	AA	AA	INTERGENIC		
SNP_80940B_361	scaffold6700	NW_004520327.1	361	AA	GG	GG	INTERGENIC		
SNP_80941B_384	scaffold6700	NW_004520327.1	384	TT	GG	GG	INTERGENIC		
SNP_80942B_395	scaffold6700	NW_004520327.1	395	CC	TT	TT	INTERGENIC		
SNP_80943B_411	scaffold6700	NW_004520327.1	411	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80944B_527	scaffold6700	NW_004520327.1	527	TT	CC	CC	INTERGENIC		
SNP_80945B_536	scaffold6700	NW_004520327.1	536	AA	GG	GG	INTERGENIC		
SNP_80946B_568	scaffold6700	NW_004520327.1	568	AA	TT	TT	INTERGENIC		
SNP_80947B_574	scaffold6700	NW_004520327.1	574	TT	CC	CC	INTERGENIC		
SNP_80948B_635	scaffold6700	NW_004520327.1	635	GG	AA	AA	INTERGENIC		
SNP_80949B_661	scaffold6700	NW_004520327.1	661	TT	CC	CC	INTERGENIC		
SNP_80950B_719	scaffold6700	NW_004520327.1	719	AA	GG	GG	INTERGENIC		
SNP_80951B_738	scaffold6700	NW_004520327.1	738	TT	CC	CC	INTERGENIC		
SNP_80952B_858	scaffold6700	NW_004520327.1	858	AA	GG	GG	INTERGENIC		
SNP_80953B_1174	scaffold6700	NW_004520327.1	1174	GG	AA	AA	INTERGENIC		
SNP_80954B_1008	scaffold6710	NW_004520331.1	1008	TT	GG	GG	INTERGENIC		
SNP_80955B_2102	scaffold6714	NW_004520333.1	2102	AA	TT	TT	INTERGENIC		
SNP_80959B_4664	scaffold6720	NW_004520337.1	4664	GG	TT	TT	INTERGENIC		
SNP_80962B_5333	scaffold6720	NW_004520337.1	5333	AA	TT	TT	INTERGENIC		
SNP_80963B_5348	scaffold6720	NW_004520337.1	5348	CC	TT	TT	INTERGENIC		
SNP_80964B_454	scaffold6722	NW_004520339.1	454	CC	GG	GG	INTERGENIC		
SNP_80965B_557	scaffold6722	NW_004520339.1	557	CC	TT	TT	INTERGENIC		
SNP_80966B_772	scaffold6722	NW_004520339.1	772	CC	TT	TT	INTERGENIC		
SNP_80967B_783	scaffold6722	NW_004520339.1	783	GG	TT	TT	INTERGENIC		
SNP_80968B_799	scaffold6722	NW_004520339.1	799	GG	CC	CC	INTERGENIC		
SNP_80969B_830	scaffold6722	NW_004520339.1	830	GG	TT	TT	INTERGENIC		
SNP_80970B_894	scaffold6722	NW_004520339.1	894	TT	GG	GG	INTERGENIC		
SNP_80971B_1120	scaffold6722	NW_004520339.1	1120	GG	AA	AA	INTERGENIC		
SNP_80972B_1202	scaffold6722	NW_004520339.1	1202	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80973B_1309	scaffold6722	NW_004520339.1	1309	AA	GG	GG	INTERGENIC		
SNP_80974B_1472	scaffold6722	NW_004520339.1	1472	TT	CC	CC	INTERGENIC		
SNP_80975B_1524	scaffold6722	NW_004520339.1	1524	GG	AA	AA	INTERGENIC		
SNP_80976B_1552	scaffold6722	NW_004520339.1	1552	AA	GG	GG	INTERGENIC		
SNP_80977B_1881	scaffold6722	NW_004520339.1	1881	TT	GG	GG	INTERGENIC		
SNP_80978B_941	scaffold6725	NW_004520340.1	941	AA	GG	GG	INTERGENIC		
SNP_80979B_1011	scaffold6725	NW_004520340.1	1011	AA	GG	GG	INTERGENIC		
SNP_80980B_1454	scaffold6725	NW_004520340.1	1454	AA	CC	CC	INTERGENIC		
SNP_80981B_1700	scaffold6725	NW_004520340.1	1700	AA	CC	CC	INTERGENIC		
SNP_80982B_1979	scaffold6725	NW_004520340.1	1979	CC	TT	TT	INTERGENIC		
SNP_80984B_2013	scaffold6725	NW_004520340.1	2013	AA	GG	GG	INTERGENIC		
SNP_80985B_2014	scaffold6725	NW_004520340.1	2014	AA	TT	TT	INTERGENIC		
SNP_80986B_2041	scaffold6725	NW_004520340.1	2041	CC	TT	TT	INTERGENIC		
SNP_80987B_4934	scaffold6728	NW_004520341.1	4934	CC	GG	GG	INTERGENIC		
SNP_80988B_9508	scaffold6728	NW_004520341.1	9508	AA	TT	TT	INTERGENIC		
SNP_80989B_9598	scaffold6728	NW_004520341.1	9598	AA	CC	CC	INTERGENIC		
SNP_80990B_378	scaffold6731	NW_004520343.1	378	TT	CC	CC	INTERGENIC		
SNP_80991B_1267	scaffold6731	NW_004520343.1	1267	TT	CC	CC	INTERGENIC		
SNP_80992B_100	scaffold6734	NW_004520345.1	100	AA	CC	CC	INTERGENIC		
SNP_80993B_732	scaffold6734	NW_004520345.1	732	AA	CC	CC	INTERGENIC		
SNP_80994B_1790	scaffold6737	NW_004520347.1	1790	GG	AA	AA	INTERGENIC		
SNP_80995B_1822	scaffold6737	NW_004520347.1	1822	TT	CC	CC	INTERGENIC		
SNP_80996B_1974	scaffold6737	NW_004520347.1	1974	AA	TT	TT	INTERGENIC		
SNP_80997B_2019	scaffold6737	NW_004520347.1	2019	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_80998B_2123	scaffold6737	NW_004520347.1	2123	GG	CC	CC	INTERGENIC		
SNP_80999B_2454	scaffold6737	NW_004520347.1	2454	AA	GG	GG	INTERGENIC		
SNP_81000B_2517	scaffold6737	NW_004520347.1	2517	CC	TT	TT	INTERGENIC		
SNP_81001B_2721	scaffold6737	NW_004520347.1	2721	TT	CC	CC	INTERGENIC		
SNP_81002B_3354	scaffold6737	NW_004520347.1	3354	AA	GG	GG	INTERGENIC		
SNP_81003B_3647	scaffold6737	NW_004520347.1	3647	TT	CC	CC	INTERGENIC		
SNP_81004B_3754	scaffold6737	NW_004520347.1	3754	CC	GG	GG	INTERGENIC		
SNP_81005B_3906	scaffold6737	NW_004520347.1	3906	AA	CC	CC	INTERGENIC		
SNP_81006B_3910	scaffold6737	NW_004520347.1	3910	AA	CC	CC	INTERGENIC		
SNP_81007B_3914	scaffold6737	NW_004520347.1	3914	CC	GG	GG	INTERGENIC		
SNP_81008B_3960	scaffold6737	NW_004520347.1	3960	CC	GG	GG	INTERGENIC		
SNP_81009B_4063	scaffold6737	NW_004520347.1	4063	CC	TT	TT	INTERGENIC		
SNP_81010B_4516	scaffold6737	NW_004520347.1	4516	TT	GG	GG	INTERGENIC		
SNP_81011B_4539	scaffold6737	NW_004520347.1	4539	GG	AA	AA	INTERGENIC		
SNP_81012B_4549	scaffold6737	NW_004520347.1	4549	CC	GG	GG	INTERGENIC		
SNP_81013B_5232	scaffold6737	NW_004520347.1	5232	AA	GG	GG	INTERGENIC		
SNP_81014B_5291	scaffold6737	NW_004520347.1	5291	CC	AA	AA	INTERGENIC		
SNP_81015B_5560	scaffold6737	NW_004520347.1	5560	CC	GG	GG	INTERGENIC		
SNP_81016B_6268	scaffold6737	NW_004520347.1	6268	AA	CC	CC	INTERGENIC		
SNP_81017B_6647	scaffold6737	NW_004520347.1	6647	AA	GG	GG	INTERGENIC		
SNP_81018B_437	scaffold6738	NW_004520348.1	437	TT	GG	GG	INTERGENIC		
SNP_81019B_4393	scaffold6750	NW_004520354.1	4393	AA	TT	TT	INTERGENIC		
SNP_81020B_4424	scaffold6750	NW_004520354.1	4424	GG	AA	AA	INTERGENIC		
SNP_81021B_5692	scaffold6750	NW_004520354.1	5692	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81023B_592	scaffold6759	NW_004520359.1	592	TT	AA	AA	INTERGENIC		
SNP_81024B_73	scaffold6760	NW_004520360.1	73	GG	AA	AA	INTERGENIC		
SNP_81025B_77	scaffold6760	NW_004520360.1	77	GG	AA	AA	INTERGENIC		
SNP_81026B_82	scaffold6760	NW_004520360.1	82	CC	GG	GG	INTERGENIC		
SNP_81027B_132	scaffold6760	NW_004520360.1	132	CC	TT	TT	INTERGENIC		
SNP_81028B_195	scaffold6760	NW_004520360.1	195	TT	AA	AA	INTERGENIC		
SNP_81029B_370	scaffold6760	NW_004520360.1	370	GG	TT	TT	INTERGENIC		
SNP_81030B_416	scaffold6760	NW_004520360.1	416	AA	TT	TT	INTERGENIC		
SNP_81031B_451	scaffold6760	NW_004520360.1	451	TT	AA	AA	INTERGENIC		
SNP_81032B_503	scaffold6760	NW_004520360.1	503	AA	GG	GG	INTERGENIC		
SNP_81033B_514	scaffold6760	NW_004520360.1	514	AA	GG	GG	INTERGENIC		
SNP_81034B_613	scaffold6760	NW_004520360.1	613	TT	AA	AA	INTERGENIC		
SNP_81035B_701	scaffold6760	NW_004520360.1	701	GG	TT	TT	INTERGENIC		
SNP_81036B_788	scaffold6760	NW_004520360.1	788	CC	TT	TT	INTERGENIC		
SNP_81037B_873	scaffold6760	NW_004520360.1	873	TT	CC	CC	INTERGENIC		
SNP_81038B_879	scaffold6760	NW_004520360.1	879	CC	AA	AA	INTERGENIC		
SNP_81040B_1007	scaffold6760	NW_004520360.1	1007	GG	TT	TT	INTERGENIC		
SNP_81042B_500	scaffold6773	NW_004520366.1	500	TT	CC	CC	INTERGENIC		
SNP_81043B_146	scaffold6775	NW_004520368.1	146	CC	AA	AA	INTERGENIC		
SNP_81044B_11326	scaffold6778	NW_004520369.1	11326	TT	AA	AA	INTERGENIC		
SNP_81045B_11338	scaffold6778	NW_004520369.1	11338	GG	AA	AA	INTERGENIC		
SNP_81046B_11533	scaffold6778	NW_004520369.1	11533	GG	AA	AA	INTERGENIC		
SNP_81047B_11633	scaffold6778	NW_004520369.1	11633	TT	GG	GG	INTERGENIC		
SNP_81048B_11693	scaffold6778	NW_004520369.1	11693	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81049B_11731	scaffold6778	NW_004520369.1	11731	GG	CC	CC	INTERGENIC		
SNP_81050B_11795	scaffold6778	NW_004520369.1	11795	AA	TT	TT	INTERGENIC		
SNP_81051B_202	scaffold6782	NW_004520371.1	202	AA	TT	TT	INTERGENIC		
SNP_81052B_307	scaffold6782	NW_004520371.1	307	AA	GG	GG	INTERGENIC		
SNP_81053B_384	scaffold6782	NW_004520371.1	384	TT	CC	CC	INTERGENIC		
SNP_81054B_425	scaffold6782	NW_004520371.1	425	CC	AA	AA	INTERGENIC		
SNP_81056B_724	scaffold6782	NW_004520371.1	724	CC	TT	TT	INTERGENIC		
SNP_81058B_775	scaffold6782	NW_004520371.1	775	GG	AA	AA	INTERGENIC		
SNP_81061B_1243	scaffold6782	NW_004520371.1	1243	CC	TT	TT	INTERGENIC		
SNP_81062B_271	scaffold6784	NW_004520372.1	271	TT	AA	AA	INTERGENIC		
SNP_81063B_296	scaffold6784	NW_004520372.1	296	GG	AA	AA	INTERGENIC		
SNP_81064B_232	scaffold6790	NW_004520376.1	232	TT	GG	GG	INTERGENIC		
SNP_81065B_580	scaffold6790	NW_004520376.1	580	GG	AA	AA	INTERGENIC		
SNP_81067B_1052	scaffold6790	NW_004520376.1	1052	GG	TT	TT	INTERGENIC		
SNP_81068B_1114	scaffold6790	NW_004520376.1	1114	AA	CC	CC	INTERGENIC		
SNP_81069B_1123	scaffold6790	NW_004520376.1	1123	CC	TT	TT	INTERGENIC		
SNP_81070B_1149	scaffold6790	NW_004520376.1	1149	CC	TT	TT	INTERGENIC		
SNP_81071B_1157	scaffold6790	NW_004520376.1	1157	CC	TT	TT	INTERGENIC		
SNP_81072B_1222	scaffold6790	NW_004520376.1	1222	CC	AA	AA	INTERGENIC		
SNP_81073B_1321	scaffold6790	NW_004520376.1	1321	GG	TT	TT	INTERGENIC		
SNP_81075B_1477	scaffold6790	NW_004520376.1	1477	AA	GG	GG	INTERGENIC		
SNP_81076B_1478	scaffold6790	NW_004520376.1	1478	CC	TT	TT	INTERGENIC		
SNP_81077B_1540	scaffold6790	NW_004520376.1	1540	AA	TT	TT	INTERGENIC		
SNP_81078B_2201	scaffold6790	NW_004520376.1	2201	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81079B_2207	scaffold6790	NW_004520376.1	2207	GG	AA	AA	INTERGENIC		
SNP_81080B_2232	scaffold6790	NW_004520376.1	2232	TT	CC	CC	INTERGENIC		
SNP_81082B_2300	scaffold6790	NW_004520376.1	2300	TT	CC	CC	INTERGENIC		
SNP_81083B_2384	scaffold6790	NW_004520376.1	2384	GG	TT	TT	INTERGENIC		
SNP_81084B_2531	scaffold6790	NW_004520376.1	2531	TT	CC	CC	INTERGENIC		
SNP_81085B_2707	scaffold6790	NW_004520376.1	2707	AA	TT	TT	INTERGENIC		
SNP_81086B_2726	scaffold6790	NW_004520376.1	2726	GG	AA	AA	INTERGENIC		
SNP_81087B_2756	scaffold6790	NW_004520376.1	2756	CC	AA	AA	INTERGENIC		
SNP_81089B_2859	scaffold6790	NW_004520376.1	2859	GG	AA	AA	INTERGENIC		
SNP_81090B_2902	scaffold6790	NW_004520376.1	2902	CC	TT	TT	INTERGENIC		
SNP_81091B_2999	scaffold6790	NW_004520376.1	2999	TT	AA	AA	INTERGENIC		
SNP_81092B_3075	scaffold6790	NW_004520376.1	3075	TT	CC	CC	INTERGENIC		
SNP_81093B_3191	scaffold6790	NW_004520376.1	3191	AA	GG	GG	INTERGENIC		
SNP_81094B_3202	scaffold6790	NW_004520376.1	3202	TT	CC	CC	INTERGENIC		
SNP_81095B_3215	scaffold6790	NW_004520376.1	3215	CC	TT	TT	INTERGENIC		
SNP_81096B_3856	scaffold6791	NW_004520377.1	3856	GG	TT	TT	INTERGENIC		
SNP_81097B_4096	scaffold6791	NW_004520377.1	4096	TT	CC	CC	INTERGENIC		
SNP_81098B_4114	scaffold6791	NW_004520377.1	4114	TT	GG	GG	INTERGENIC		
SNP_81099B_4115	scaffold6791	NW_004520377.1	4115	GG	CC	CC	INTERGENIC		
SNP_81100B_4144	scaffold6791	NW_004520377.1	4144	AA	TT	TT	INTERGENIC		
SNP_81101B_4460	scaffold6791	NW_004520377.1	4460	TT	AA	AA	INTERGENIC		
SNP_81102B_13488	scaffold6791	NW_004520377.1	13488	TT	CC	CC	INTERGENIC		
SNP_81103B_13549	scaffold6791	NW_004520377.1	13549	TT	CC	CC	INTERGENIC		
SNP_81104B_13564	scaffold6791	NW_004520377.1	13564	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81105B_13787	scaffold6791	NW_004520377.1	13787	TT	GG	GG	INTERGENIC		
SNP_81106B_18793	scaffold6791	NW_004520377.1	18793	CC	TT	TT	INTERGENIC		
SNP_81107B_18795	scaffold6791	NW_004520377.1	18795	GG	AA	AA	INTERGENIC		
SNP_81108B_24417	scaffold6791	NW_004520377.1	24417	CC	TT	TT	INTERGENIC		
SNP_81109B_26017	scaffold6791	NW_004520377.1	26017	GG	AA	AA	INTERGENIC		
SNP_81110B_26020	scaffold6791	NW_004520377.1	26020	AA	GG	GG	INTERGENIC		
SNP_81112B_609	scaffold6808	NW_004520384.1	609	CC	AA	AA	INTERGENIC		
SNP_81113B_614	scaffold6808	NW_004520384.1	614	CC	TT	TT	INTERGENIC		
SNP_81114B_494	scaffold6814	NW_004520388.1	494	CC	GG	GG	INTERGENIC		
SNP_81115B_525	scaffold6814	NW_004520388.1	525	GG	AA	AA	INTERGENIC		
SNP_81116B_532	scaffold6814	NW_004520388.1	532	TT	AA	AA	INTERGENIC		
SNP_81117B_699	scaffold6820	NW_004520392.1	699	AA	TT	TT	INTERGENIC		
SNP_81118B_877	scaffold6820	NW_004520392.1	877	CC	TT	TT	INTERGENIC		
SNP_81120B_989	scaffold6820	NW_004520392.1	989	AA	CC	CC	INTERGENIC		
SNP_81121B_371	scaffold6828	NW_004520398.1	371	AA	GG	GG	INTERGENIC		
SNP_81122B_115	scaffold6830	NW_004520399.1	115	TT	AA	AA	INTERGENIC		
SNP_81123B_141	scaffold6830	NW_004520399.1	141	CC	TT	TT	INTERGENIC		
SNP_81124B_176	scaffold6830	NW_004520399.1	176	CC	TT	TT	INTERGENIC		
SNP_81125B_64	scaffold6842	NW_004520406.1	64	GG	TT	TT	INTERGENIC		
SNP_81126B_107	scaffold6842	NW_004520406.1	107	AA	TT	TT	INTERGENIC		
SNP_81127B_109	scaffold6842	NW_004520406.1	109	TT	GG	GG	INTERGENIC		
SNP_81128B_318	scaffold6842	NW_004520406.1	318	TT	CC	CC	INTERGENIC		
SNP_81129B_1808	scaffold6842	NW_004520406.1	1808	AA	CC	CC	INTERGENIC		
SNP_81130B_1821	scaffold6842	NW_004520406.1	1821	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81131B_1254	scaffold6843	NW_004520407.1	1254	TT	GG	GG	INTERGENIC		
SNP_81132B_1353	scaffold6843	NW_004520407.1	1353	AA	GG	GG	INTERGENIC		
SNP_81133B_434	scaffold6845	NW_004520408.1	434	GG	CC	CC	INTERGENIC		
SNP_81134B_702	scaffold6845	NW_004520408.1	702	CC	AA	AA	INTERGENIC		
SNP_81135B_737	scaffold6845	NW_004520408.1	737	AA	TT	TT	INTERGENIC		
SNP_81136B_1005	scaffold6845	NW_004520408.1	1005	AA	TT	TT	INTERGENIC		
SNP_81138B_537	scaffold6846	NW_004520409.1	537	AA	TT	TT	INTERGENIC		
SNP_81139B_627	scaffold6846	NW_004520409.1	627	CC	AA	AA	INTERGENIC		
SNP_81140B_701	scaffold6846	NW_004520409.1	701	TT	AA	AA	INTERGENIC		
SNP_81141B_724	scaffold6846	NW_004520409.1	724	TT	AA	AA	INTERGENIC		
SNP_81142B_730	scaffold6846	NW_004520409.1	730	TT	GG	GG	INTERGENIC		
SNP_81143B_747	scaffold6846	NW_004520409.1	747	AA	GG	GG	INTERGENIC		
SNP_81144B_826	scaffold6846	NW_004520409.1	826	CC	TT	TT	INTERGENIC		
SNP_81145B_827	scaffold6846	NW_004520409.1	827	AA	CC	CC	INTERGENIC		
SNP_81146B_828	scaffold6846	NW_004520409.1	828	TT	AA	AA	INTERGENIC		
SNP_81147B_895	scaffold6846	NW_004520409.1	895	TT	CC	CC	INTERGENIC		
SNP_81148B_918	scaffold6846	NW_004520409.1	918	CC	GG	GG	INTERGENIC		
SNP_81149B_1393	scaffold6846	NW_004520409.1	1393	CC	AA	AA	INTERGENIC		
SNP_81150B_1407	scaffold6846	NW_004520409.1	1407	AA	GG	GG	INTERGENIC		
SNP_81151B_1568	scaffold6846	NW_004520409.1	1568	CC	GG	GG	DRR	101514358	serine/threonine-protein phosphatase PP1 isozyme 3-like
SNP_81152B_1628	scaffold6846	NW_004520409.1	1628	AA	CC	CC	DRR	101514358	serine/threonine-protein phosphatase PP1 isozyme 3-like
SNP_81153B_1679	scaffold6846	NW_004520409.1	1679	CC	TT	TT	DRR	101514358	serine/threonine-protein phosphatase PP1 isozyme 3-like
SNP_81154B_1867	scaffold6846	NW_004520409.1	1867	AA	GG	GG	DRR	101514358	serine/threonine-protein phosphatase PP1 isozyme 3-like
SNP_81155B_2368	scaffold6846	NW_004520409.1	2368	TT	AA	AA	DRR	101514358	serine/threonine-protein phosphatase PP1 isozyme 3-like

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81156B_2369	scaffold6846	NW_004520409.1	2369	GG	TT	TT	DRR	101514358	serine/threonine-protein phosphatase PP1 isozyme 3-like
SNP_81157B_2431	scaffold6846	NW_004520409.1	2431	CC	AA	AA	DRR	101514358	serine/threonine-protein phosphatase PP1 isozyme 3-like
SNP_81158B_2691	scaffold6846	NW_004520409.1	2691	TT	CC	CC	NON_SYNONYMOUS_CODING	101514358	serine/threonine-protein phosphatase PP1 isozyme 3-like
SNP_81159B_2718	scaffold6846	NW_004520409.1	2718	AA	TT	TT	NON_SYNONYMOUS_CODING	101514358	serine/threonine-protein phosphatase PP1 isozyme 3-like
SNP_81160B_79	scaffold6851	NW_004520411.1	79	TT	CC	CC	INTERGENIC		
SNP_81161B_128	scaffold6851	NW_004520411.1	128	AA	GG	GG	INTERGENIC		
SNP_81162B_150	scaffold6851	NW_004520411.1	150	TT	CC	CC	INTERGENIC		
SNP_81163B_219	scaffold6851	NW_004520411.1	219	GG	CC	CC	INTERGENIC		
SNP_81164B_381	scaffold6851	NW_004520411.1	381	AA	TT	TT	INTERGENIC		
SNP_81165B_398	scaffold6851	NW_004520411.1	398	AA	CC	CC	INTERGENIC		
SNP_81166B_448	scaffold6851	NW_004520411.1	448	AA	TT	TT	INTERGENIC		
SNP_81167B_467	scaffold6851	NW_004520411.1	467	GG	CC	CC	INTERGENIC		
SNP_81168B_516	scaffold6851	NW_004520411.1	516	TT	CC	CC	INTERGENIC		
SNP_81169B_593	scaffold6851	NW_004520411.1	593	AA	TT	TT	INTERGENIC		
SNP_81170B_669	scaffold6851	NW_004520411.1	669	GG	TT	TT	INTERGENIC		
SNP_81171B_1535	scaffold6851	NW_004520411.1	1535	TT	GG	GG	INTERGENIC		
SNP_81172B_1604	scaffold6851	NW_004520411.1	1604	AA	CC	CC	INTERGENIC		
SNP_81173B_391	scaffold6852	NW_004520412.1	391	GG	CC	CC	INTERGENIC		
SNP_81174B_586	scaffold6852	NW_004520412.1	586	CC	AA	AA	INTERGENIC		
SNP_81175B_268	scaffold6854	NW_004520414.1	268	CC	TT	TT	INTERGENIC		
SNP_81176B_342	scaffold6854	NW_004520414.1	342	CC	TT	TT	INTERGENIC		
SNP_81177B_573	scaffold6854	NW_004520414.1	573	TT	CC	CC	INTERGENIC		
SNP_81178B_584	scaffold6854	NW_004520414.1	584	AA	CC	CC	INTERGENIC		
SNP_81179B_586	scaffold6854	NW_004520414.1	586	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81180B_589	scaffold6854	NW_004520414.1	589	CC	TT	TT	INTERGENIC		
SNP_81181B_704	scaffold6854	NW_004520414.1	704	AA	TT	TT	INTERGENIC		
SNP_81182B_720	scaffold6854	NW_004520414.1	720	TT	AA	AA	INTERGENIC		
SNP_81183B_900	scaffold6854	NW_004520414.1	900	TT	GG	GG	INTERGENIC		
SNP_81184B_962	scaffold6854	NW_004520414.1	962	AA	GG	GG	INTERGENIC		
SNP_81185B_989	scaffold6854	NW_004520414.1	989	CC	TT	TT	INTERGENIC		
SNP_81186B_1008	scaffold6854	NW_004520414.1	1008	GG	AA	AA	INTERGENIC		
SNP_81188B_729	scaffold6867	NW_004520421.1	729	CC	TT	TT	INTERGENIC		
SNP_81189B_801	scaffold6867	NW_004520421.1	801	GG	AA	AA	INTERGENIC		
SNP_81190B_539	scaffold6869	NW_004520423.1	539	CC	GG	GG	INTERGENIC		
SNP_81191B_542	scaffold6869	NW_004520423.1	542	TT	CC	CC	INTERGENIC		
SNP_81192B_602	scaffold6869	NW_004520423.1	602	AA	CC	CC	INTERGENIC		
SNP_81193B_692	scaffold6869	NW_004520423.1	692	TT	CC	CC	INTERGENIC		
SNP_81194B_707	scaffold6869	NW_004520423.1	707	TT	CC	CC	INTERGENIC		
SNP_81195B_1028	scaffold6873	NW_004520425.1	1028	CC	GG	GG	INTERGENIC		
SNP_81196B_1113	scaffold6873	NW_004520425.1	1113	CC	GG	GG	INTERGENIC		
SNP_81197B_1436	scaffold6873	NW_004520425.1	1436	AA	CC	CC	INTERGENIC		
SNP_81198B_1541	scaffold6873	NW_004520425.1	1541	TT	CC	CC	INTERGENIC		
SNP_81199B_1710	scaffold6876	NW_004520427.1	1710	GG	TT	TT	INTERGENIC		
SNP_81200B_1750	scaffold6876	NW_004520427.1	1750	TT	AA	AA	INTERGENIC		
SNP_81201B_1765	scaffold6876	NW_004520427.1	1765	GG	AA	AA	INTERGENIC		
SNP_81202B_1874	scaffold6876	NW_004520427.1	1874	GG	TT	TT	INTERGENIC		
SNP_81203B_1884	scaffold6876	NW_004520427.1	1884	CC	AA	AA	INTERGENIC		
SNP_81204B_1891	scaffold6876	NW_004520427.1	1891	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81205B_1896	scaffold6876	NW_004520427.1	1896	TT	CC	CC	INTERGENIC		
SNP_81206B_1951	scaffold6876	NW_004520427.1	1951	CC	AA	AA	INTERGENIC		
SNP_81207B_1965	scaffold6876	NW_004520427.1	1965	CC	AA	AA	INTERGENIC		
SNP_81208B_1975	scaffold6876	NW_004520427.1	1975	GG	AA	AA	INTERGENIC		
SNP_81209B_2039	scaffold6876	NW_004520427.1	2039	CC	TT	TT	INTERGENIC		
SNP_81210B_2124	scaffold6876	NW_004520427.1	2124	TT	CC	CC	INTERGENIC		
SNP_81211B_2126	scaffold6876	NW_004520427.1	2126	GG	AA	AA	INTERGENIC		
SNP_81212B_2127	scaffold6876	NW_004520427.1	2127	CC	AA	AA	INTERGENIC		
SNP_81213B_2142	scaffold6876	NW_004520427.1	2142	CC	AA	AA	INTERGENIC		
SNP_81214B_2144	scaffold6876	NW_004520427.1	2144	AA	GG	GG	INTERGENIC		
SNP_81215B_2163	scaffold6876	NW_004520427.1	2163	TT	CC	CC	INTERGENIC		
SNP_81216B_2164	scaffold6876	NW_004520427.1	2164	CC	TT	TT	INTERGENIC		
SNP_81217B_2193	scaffold6876	NW_004520427.1	2193	CC	TT	TT	INTERGENIC		
SNP_81218B_2242	scaffold6876	NW_004520427.1	2242	GG	AA	AA	INTERGENIC		
SNP_81219B_2290	scaffold6876	NW_004520427.1	2290	TT	CC	CC	INTERGENIC		
SNP_81220B_350	scaffold6877	NW_004520428.1	350	TT	AA	AA	INTERGENIC		
SNP_81221B_437	scaffold6878	NW_004520429.1	437	AA	CC	CC	INTERGENIC		
SNP_81222B_811	scaffold6878	NW_004520429.1	811	AA	GG	GG	INTERGENIC		
SNP_81223B_1637	scaffold6878	NW_004520429.1	1637	CC	TT	TT	INTERGENIC		
SNP_81225B_1881	scaffold6878	NW_004520429.1	1881	CC	GG	GG	INTERGENIC		
SNP_81226B_2078	scaffold6878	NW_004520429.1	2078	GG	AA	AA	INTERGENIC		
SNP_81227B_1656	scaffold6879	NW_004520430.1	1656	CC	AA	AA	INTERGENIC		
SNP_81228B_1658	scaffold6879	NW_004520430.1	1658	CC	GG	GG	INTERGENIC		
SNP_81229B_1854	scaffold6879	NW_004520430.1	1854	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81230B_1862	scaffold6879	NW_004520430.1	1862	TT	GG	GG	INTERGENIC		
SNP_81231B_1885	scaffold6879	NW_004520430.1	1885	GG	CC	CC	INTERGENIC		
SNP_81232B_1896	scaffold6879	NW_004520430.1	1896	CC	AA	AA	INTERGENIC		
SNP_81233B_1930	scaffold6879	NW_004520430.1	1930	CC	TT	TT	INTERGENIC		
SNP_81234B_115	scaffold6882	NW_004520431.1	115	GG	AA	AA	INTERGENIC		
SNP_81235B_204	scaffold6882	NW_004520431.1	204	CC	GG	GG	INTERGENIC		
SNP_81237B_1094	scaffold6895	NW_004520438.1	1094	GG	AA	AA	INTERGENIC		
SNP_81238B_1095	scaffold6895	NW_004520438.1	1095	AA	GG	GG	INTERGENIC		
SNP_81239B_1096	scaffold6895	NW_004520438.1	1096	TT	CC	CC	INTERGENIC		
SNP_81240B_1136	scaffold6895	NW_004520438.1	1136	GG	TT	TT	INTERGENIC		
SNP_81241B_1405	scaffold6896	NW_004520439.1	1405	CC	TT	TT	INTERGENIC		
SNP_81242B_1450	scaffold6896	NW_004520439.1	1450	CC	AA	AA	INTERGENIC		
SNP_81243B_1819	scaffold6896	NW_004520439.1	1819	GG	TT	TT	INTERGENIC		
SNP_81244B_1902	scaffold6896	NW_004520439.1	1902	CC	TT	TT	INTERGENIC		
SNP_81245B_2287	scaffold6896	NW_004520439.1	2287	CC	GG	GG	INTERGENIC		
SNP_81247B_5443	scaffold6903	NW_004520444.1	5443	CC	AA	AA	INTERGENIC		
SNP_81248B_5487	scaffold6903	NW_004520444.1	5487	TT	CC	CC	INTERGENIC		
SNP_81249B_2607	scaffold6923	NW_004520456.1	2607	GG	AA	AA	INTERGENIC		
SNP_81250B_2927	scaffold6923	NW_004520456.1	2927	GG	CC	CC	INTERGENIC		
SNP_81251B_3077	scaffold6923	NW_004520456.1	3077	CC	AA	AA	INTERGENIC		
SNP_81252B_3119	scaffold6923	NW_004520456.1	3119	TT	GG	GG	INTERGENIC		
SNP_81253B_3120	scaffold6923	NW_004520456.1	3120	GG	TT	TT	INTERGENIC		
SNP_81254B_3238	scaffold6923	NW_004520456.1	3238	TT	CC	CC	INTERGENIC		
SNP_81255B_3276	scaffold6923	NW_004520456.1	3276	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81256B_3595	scaffold6923	NW_004520456.1	3595	TT	CC	CC	INTERGENIC		
SNP_81257B_546	scaffold6926	NW_004520459.1	546	CC	AA	AA	INTERGENIC		
SNP_81258B_736	scaffold6926	NW_004520459.1	736	TT	GG	GG	INTERGENIC		
SNP_81259B_747	scaffold6926	NW_004520459.1	747	GG	CC	CC	INTERGENIC		
SNP_81260B_751	scaffold6926	NW_004520459.1	751	CC	TT	TT	INTERGENIC		
SNP_81261B_756	scaffold6926	NW_004520459.1	756	AA	CC	CC	INTERGENIC		
SNP_81262B_765	scaffold6926	NW_004520459.1	765	AA	TT	TT	INTERGENIC		
SNP_81263B_774	scaffold6926	NW_004520459.1	774	AA	CC	CC	INTERGENIC		
SNP_81264B_2489	scaffold6927	NW_004520460.1	2489	CC	GG	GG	INTERGENIC		
SNP_81265B_2550	scaffold6927	NW_004520460.1	2550	AA	TT	TT	INTERGENIC		
SNP_81266B_2096	scaffold6934	NW_004520464.1	2096	CC	AA	AA	INTERGENIC		
SNP_81267B_4448	scaffold6934	NW_004520464.1	4448	CC	AA	AA	INTERGENIC		
SNP_81268B_944	scaffold6939	NW_004520466.1	944	CC	TT	TT	INTERGENIC		
SNP_81269B_1027	scaffold6939	NW_004520466.1	1027	GG	AA	AA	INTERGENIC		
SNP_81270B_1181	scaffold6939	NW_004520466.1	1181	AA	GG	GG	INTERGENIC		
SNP_81271B_1495	scaffold6939	NW_004520466.1	1495	CC	AA	AA	INTERGENIC		
SNP_81272B_126	scaffold6941	NW_004520468.1	126	TT	CC	CC	INTERGENIC		
SNP_81273B_189	scaffold6941	NW_004520468.1	189	CC	AA	AA	INTERGENIC		
SNP_81274B_195	scaffold6941	NW_004520468.1	195	GG	AA	AA	INTERGENIC		
SNP_81275B_213	scaffold6941	NW_004520468.1	213	TT	CC	CC	INTERGENIC		
SNP_81276B_455	scaffold6941	NW_004520468.1	455	TT	GG	GG	INTERGENIC		
SNP_81277B_1248	scaffold6943	NW_004520470.1	1248	AA	GG	GG	INTERGENIC		
SNP_81278B_6244	scaffold6951	NW_004520477.1	6244	GG	AA	AA	INTERGENIC		
SNP_81279B_6534	scaffold6951	NW_004520477.1	6534	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81280B_494	scaffold6963	NW_004520484.1	494	CC	GG	GG	INTERGENIC		
SNP_81281B_1889	scaffold6968	NW_004520487.1	1889	TT	CC	CC	INTERGENIC		
SNP_81282B_1925	scaffold6968	NW_004520487.1	1925	GG	TT	TT	INTERGENIC		
SNP_81283B_26774	scaffold6980	NW_004520496.1	26774	GG	AA	AA	INTRON	101489083	transcriptional corepressor LEUNIG-like
SNP_81284B_1230	scaffold6985	NW_004520499.1	1230	TT	AA	AA	INTERGENIC		
SNP_81285B_587	scaffold6995	NW_004520504.1	587	AA	TT	TT	INTERGENIC		
SNP_81286B_920	scaffold6995	NW_004520504.1	920	GG	AA	AA	INTERGENIC		
SNP_81287B_992	scaffold6995	NW_004520504.1	992	GG	CC	CC	INTERGENIC		
SNP_81288B_1472	scaffold6999	NW_004520506.1	1472	AA	TT	TT	INTERGENIC		
SNP_81289B_487	scaffold7010	NW_004520513.1	487	TT	CC	CC	INTERGENIC		
SNP_81290B_1324	scaffold7010	NW_004520513.1	1324	GG	AA	AA	INTERGENIC		
SNP_81291B_1690	scaffold7010	NW_004520513.1	1690	TT	AA	AA	INTERGENIC		
SNP_81292B_814	scaffold7021	NW_004520518.1	814	TT	CC	CC	INTERGENIC		
SNP_81293B_844	scaffold7021	NW_004520518.1	844	AA	TT	TT	INTERGENIC		
SNP_81294B_1552	scaffold7033	NW_004520521.1	1552	AA	TT	TT	INTERGENIC		
SNP_81295B_1554	scaffold7033	NW_004520521.1	1554	TT	GG	GG	INTERGENIC		
SNP_81296B_327	scaffold7034	NW_004520522.1	327	AA	GG	GG	INTERGENIC		
SNP_81297B_517	scaffold7034	NW_004520522.1	517	CC	GG	GG	INTERGENIC		
SNP_81298B_64	scaffold7041	NW_004520528.1	64	TT	AA	AA	INTERGENIC		
SNP_81299B_65	scaffold7041	NW_004520528.1	65	TT	GG	GG	INTERGENIC		
SNP_81300B_79	scaffold7041	NW_004520528.1	79	TT	CC	CC	INTERGENIC		
SNP_81301B_95	scaffold7041	NW_004520528.1	95	AA	GG	GG	INTERGENIC		
SNP_81302B_166	scaffold7041	NW_004520528.1	166	TT	GG	GG	INTERGENIC		
SNP_81303B_183	scaffold7041	NW_004520528.1	183	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81304B_185	scaffold7041	NW_004520528.1	185	AA	GG	GG	INTERGENIC		
SNP_81305B_186	scaffold7041	NW_004520528.1	186	GG	AA	AA	INTERGENIC		
SNP_81306B_1019	scaffold7041	NW_004520528.1	1019	CC	TT	TT	INTERGENIC		
SNP_81307B_1039	scaffold7041	NW_004520528.1	1039	TT	AA	AA	INTERGENIC		
SNP_81308B_1064	scaffold7041	NW_004520528.1	1064	GG	TT	TT	INTERGENIC		
SNP_81310B_652	scaffold7055	NW_004520535.1	652	TT	AA	AA	INTERGENIC		
SNP_81311B_674	scaffold7055	NW_004520535.1	674	TT	GG	GG	INTERGENIC		
SNP_81312B_440	scaffold7059	NW_004520537.1	440	CC	TT	TT	INTERGENIC		
SNP_81313B_794	scaffold7059	NW_004520537.1	794	TT	GG	GG	INTERGENIC		
SNP_81314B_808	scaffold7059	NW_004520537.1	808	TT	GG	GG	INTERGENIC		
SNP_81315B_1288	scaffold7059	NW_004520537.1	1288	GG	AA	AA	INTERGENIC		
SNP_81316B_1323	scaffold7059	NW_004520537.1	1323	AA	GG	GG	INTERGENIC		
SNP_81317B_1390	scaffold7059	NW_004520537.1	1390	TT	CC	CC	INTERGENIC		
SNP_81318B_1402	scaffold7059	NW_004520537.1	1402	AA	GG	GG	INTERGENIC		
SNP_81319B_256	scaffold7060	NW_004520538.1	256	AA	GG	GG	INTERGENIC		
SNP_81320B_539	scaffold7060	NW_004520538.1	539	AA	CC	CC	INTERGENIC		
SNP_81321B_545	scaffold7060	NW_004520538.1	545	AA	GG	GG	INTERGENIC		
SNP_81322B_576	scaffold7060	NW_004520538.1	576	TT	GG	GG	INTERGENIC		
SNP_81323B_609	scaffold7060	NW_004520538.1	609	CC	TT	TT	INTERGENIC		
SNP_81324B_610	scaffold7060	NW_004520538.1	610	GG	AA	AA	INTERGENIC		
SNP_81325B_262	scaffold7063	NW_004520539.1	262	TT	CC	CC	INTERGENIC		
SNP_81326B_947	scaffold7067	NW_004520540.1	947	TT	CC	CC	INTERGENIC		
SNP_81327B_949	scaffold7067	NW_004520540.1	949	TT	CC	CC	INTERGENIC		
SNP_81328B_950	scaffold7067	NW_004520540.1	950	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81329B_951	scaffold7067	NW_004520540.1	951	GG	TT	TT	INTERGENIC		
SNP_81330B_952	scaffold7067	NW_004520540.1	952	GG	AA	AA	INTERGENIC		
SNP_81331B_2331	scaffold7081	NW_004520548.1	2331	GG	TT	TT	INTERGENIC		
SNP_81332B_2423	scaffold7081	NW_004520548.1	2423	GG	TT	TT	INTERGENIC		
SNP_81334B_2470	scaffold7081	NW_004520548.1	2470	TT	CC	CC	INTERGENIC		
SNP_81336B_2568	scaffold7081	NW_004520548.1	2568	GG	AA	AA	INTERGENIC		
SNP_81337B_2657	scaffold7081	NW_004520548.1	2657	TT	GG	GG	INTERGENIC		
SNP_81338B_2695	scaffold7081	NW_004520548.1	2695	TT	CC	CC	INTERGENIC		
SNP_81340B_581	scaffold7082	NW_004520549.1	581	TT	CC	CC	INTERGENIC		
SNP_81341B_647	scaffold7082	NW_004520549.1	647	GG	TT	TT	INTERGENIC		
SNP_81342B_673	scaffold7082	NW_004520549.1	673	AA	GG	GG	INTERGENIC		
SNP_81343B_734	scaffold7082	NW_004520549.1	734	AA	CC	CC	INTERGENIC		
SNP_81344B_807	scaffold7082	NW_004520549.1	807	AA	GG	GG	INTERGENIC		
SNP_81345B_278	scaffold7091	NW_004520555.1	278	GG	AA	AA	INTERGENIC		
SNP_81346B_569	scaffold7091	NW_004520555.1	569	GG	AA	AA	INTERGENIC		
SNP_81347B_916	scaffold7091	NW_004520555.1	916	AA	GG	GG	INTERGENIC		
SNP_81348B_1022	scaffold7091	NW_004520555.1	1022	TT	CC	CC	INTERGENIC		
SNP_81349B_1143	scaffold7091	NW_004520555.1	1143	TT	CC	CC	INTERGENIC		
SNP_81350B_1184	scaffold7091	NW_004520555.1	1184	GG	AA	AA	INTERGENIC		
SNP_81351B_1185	scaffold7091	NW_004520555.1	1185	AA	TT	TT	INTERGENIC		
SNP_81352B_1242	scaffold7091	NW_004520555.1	1242	AA	GG	GG	INTERGENIC		
SNP_81353B_1271	scaffold7091	NW_004520555.1	1271	GG	AA	AA	INTERGENIC		
SNP_81354B_1390	scaffold7091	NW_004520555.1	1390	TT	CC	CC	INTERGENIC		
SNP_81355B_1581	scaffold7091	NW_004520555.1	1581	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81356B_64	scaffold7095	NW_004520558.1	64	TT	CC	CC	INTERGENIC		
SNP_81357B_293	scaffold7095	NW_004520558.1	293	TT	CC	CC	INTERGENIC		
SNP_81358B_4728	scaffold7095	NW_004520558.1	4728	AA	CC	CC	INTERGENIC		
SNP_81359B_5048	scaffold7095	NW_004520558.1	5048	AA	CC	CC	INTERGENIC		
SNP_81360B_5126	scaffold7095	NW_004520558.1	5126	TT	GG	GG	INTERGENIC		
SNP_81361B_5143	scaffold7095	NW_004520558.1	5143	AA	GG	GG	INTERGENIC		
SNP_81362B_5440	scaffold7095	NW_004520558.1	5440	GG	CC	CC	INTERGENIC		
SNP_81363B_5520	scaffold7095	NW_004520558.1	5520	TT	CC	CC	INTERGENIC		
SNP_81364B_5560	scaffold7095	NW_004520558.1	5560	CC	GG	GG	INTERGENIC		
SNP_81365B_5602	scaffold7095	NW_004520558.1	5602	GG	AA	AA	INTERGENIC		
SNP_81366B_5732	scaffold7095	NW_004520558.1	5732	TT	GG	GG	INTERGENIC		
SNP_81367B_5807	scaffold7095	NW_004520558.1	5807	TT	CC	CC	INTERGENIC		
SNP_81368B_1796	scaffold7102	NW_004520561.1	1796	TT	GG	GG	INTERGENIC		
SNP_81369B_1914	scaffold7102	NW_004520561.1	1914	CC	AA	AA	INTERGENIC		
SNP_81370B_1041	scaffold7104	NW_004520562.1	1041	CC	GG	GG	INTERGENIC		
SNP_81372B_12077	scaffold7107	NW_004520565.1	12077	GG	TT	TT	INTERGENIC		
SNP_81373B_12200	scaffold7107	NW_004520565.1	12200	TT	CC	CC	INTERGENIC		
SNP_81374B_12205	scaffold7107	NW_004520565.1	12205	TT	CC	CC	INTERGENIC		
SNP_81375B_12224	scaffold7107	NW_004520565.1	12224	TT	CC	CC	INTERGENIC		
SNP_81376B_12375	scaffold7107	NW_004520565.1	12375	AA	TT	TT	INTERGENIC		
SNP_81377B_12458	scaffold7107	NW_004520565.1	12458	AA	TT	TT	INTERGENIC		
SNP_81378B_12589	scaffold7107	NW_004520565.1	12589	TT	GG	GG	INTERGENIC		
SNP_81379B_12661	scaffold7107	NW_004520565.1	12661	TT	CC	CC	INTERGENIC		
SNP_81380B_12662	scaffold7107	NW_004520565.1	12662	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81381B_12765	scaffold7107	NW_004520565.1	12765	GG	AA	AA	INTERGENIC		
SNP_81382B_12805	scaffold7107	NW_004520565.1	12805	AA	GG	GG	INTERGENIC		
SNP_81384B_12860	scaffold7107	NW_004520565.1	12860	CC	TT	TT	INTERGENIC		
SNP_81385B_13170	scaffold7107	NW_004520565.1	13170	GG	AA	AA	INTERGENIC		
SNP_81386B_13256	scaffold7107	NW_004520565.1	13256	AA	GG	GG	INTERGENIC		
SNP_81387B_13266	scaffold7107	NW_004520565.1	13266	TT	CC	CC	INTERGENIC		
SNP_81388B_13299	scaffold7107	NW_004520565.1	13299	CC	GG	GG	INTERGENIC		
SNP_81391B_13483	scaffold7107	NW_004520565.1	13483	GG	AA	AA	INTERGENIC		
SNP_81392B_14260	scaffold7107	NW_004520565.1	14260	CC	TT	TT	INTERGENIC		
SNP_81393B_14298	scaffold7107	NW_004520565.1	14298	AA	CC	CC	INTERGENIC		
SNP_81394B_14314	scaffold7107	NW_004520565.1	14314	CC	AA	AA	INTERGENIC		
SNP_81398B_16244	scaffold7107	NW_004520565.1	16244	TT	AA	AA	INTERGENIC		
SNP_81399B_16246	scaffold7107	NW_004520565.1	16246	AA	TT	TT	INTERGENIC		
SNP_81400B_16256	scaffold7107	NW_004520565.1	16256	CC	TT	TT	INTERGENIC		
SNP_81403B_17851	scaffold7107	NW_004520565.1	17851	GG	AA	AA	INTERGENIC		
SNP_81405B_19880	scaffold7107	NW_004520565.1	19880	AA	GG	GG	INTERGENIC		
SNP_81406B_19930	scaffold7107	NW_004520565.1	19930	GG	CC	CC	INTERGENIC		
SNP_81407B_20314	scaffold7107	NW_004520565.1	20314	AA	GG	GG	INTERGENIC		
SNP_81408B_20332	scaffold7107	NW_004520565.1	20332	TT	CC	CC	INTERGENIC		
SNP_81409B_21879	scaffold7107	NW_004520565.1	21879	TT	CC	CC	INTERGENIC		
SNP_81410B_22206	scaffold7107	NW_004520565.1	22206	CC	AA	AA	INTERGENIC		
SNP_81411B_998	scaffold7108	NW_004520566.1	998	GG	TT	TT	INTERGENIC		
SNP_81412B_1016	scaffold7108	NW_004520566.1	1016	AA	CC	CC	INTERGENIC		
SNP_81413B_1018	scaffold7108	NW_004520566.1	1018	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81414B_1042	scaffold7108	NW_004520566.1	1042	TT	AA	AA	INTERGENIC		
SNP_81415B_1082	scaffold7108	NW_004520566.1	1082	TT	GG	GG	INTERGENIC		
SNP_81416B_1090	scaffold7108	NW_004520566.1	1090	AA	GG	GG	INTERGENIC		
SNP_81417B_1095	scaffold7108	NW_004520566.1	1095	GG	AA	AA	INTERGENIC		
SNP_81418B_1099	scaffold7108	NW_004520566.1	1099	CC	AA	AA	INTERGENIC		
SNP_81419B_1128	scaffold7108	NW_004520566.1	1128	CC	AA	AA	INTERGENIC		
SNP_81420B_1213	scaffold7108	NW_004520566.1	1213	TT	GG	GG	INTERGENIC		
SNP_81421B_5458	scaffold7108	NW_004520566.1	5458	AA	GG	GG	INTERGENIC		
SNP_81422B_5490	scaffold7108	NW_004520566.1	5490	TT	AA	AA	INTERGENIC		
SNP_81423B_5691	scaffold7108	NW_004520566.1	5691	CC	TT	TT	INTERGENIC		
SNP_81424B_6040	scaffold7108	NW_004520566.1	6040	GG	AA	AA	INTERGENIC		
SNP_81425B_6092	scaffold7108	NW_004520566.1	6092	AA	GG	GG	INTERGENIC		
SNP_81426B_6138	scaffold7108	NW_004520566.1	6138	GG	CC	CC	INTERGENIC		
SNP_81428B_2699	scaffold7109	NW_004520567.1	2699	TT	CC	CC	INTERGENIC		
SNP_81429B_895	scaffold7114	NW_004520572.1	895	TT	CC	CC	INTERGENIC		
SNP_81430B_1215	scaffold7114	NW_004520572.1	1215	TT	CC	CC	INTERGENIC		
SNP_81431B_457	scaffold7148	NW_004520592.1	457	AA	GG	GG	INTERGENIC		
SNP_81432B_493	scaffold7148	NW_004520592.1	493	CC	AA	AA	INTERGENIC		
SNP_81433B_2783	scaffold7148	NW_004520592.1	2783	TT	CC	CC	INTERGENIC		
SNP_81434B_4246	scaffold7148	NW_004520592.1	4246	GG	AA	AA	INTERGENIC		
SNP_81435B_4254	scaffold7148	NW_004520592.1	4254	TT	CC	CC	INTERGENIC		
SNP_81436B_7517	scaffold7148	NW_004520592.1	7517	CC	TT	TT	INTERGENIC		
SNP_81437B_7567	scaffold7148	NW_004520592.1	7567	AA	TT	TT	INTERGENIC		
SNP_81438B_7592	scaffold7148	NW_004520592.1	7592	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81439B_7593	scaffold7148	NW_004520592.1	7593	TT	CC	CC	INTERGENIC		
SNP_81440B_7595	scaffold7148	NW_004520592.1	7595	GG	TT	TT	INTERGENIC		
SNP_81441B_833	scaffold7152	NW_004520593.1	833	TT	GG	GG	INTERGENIC		
SNP_81442B_1029	scaffold7152	NW_004520593.1	1029	TT	CC	CC	INTERGENIC		
SNP_81444B_582	scaffold7154	NW_004520595.1	582	AA	GG	GG	INTERGENIC		
SNP_81445B_846	scaffold7154	NW_004520595.1	846	AA	GG	GG	INTERGENIC		
SNP_81446B_7432	scaffold7154	NW_004520595.1	7432	GG	AA	AA	INTERGENIC		
SNP_81447B_1014	scaffold7156	NW_004520597.1	1014	GG	AA	AA	INTERGENIC		
SNP_81448B_1111	scaffold7157	NW_004520598.1	1111	TT	AA	AA	INTERGENIC		
SNP_81449B_1134	scaffold7157	NW_004520598.1	1134	TT	CC	CC	INTERGENIC		
SNP_81450B_1137	scaffold7157	NW_004520598.1	1137	GG	AA	AA	INTERGENIC		
SNP_81453B_3751	scaffold7176	NW_004520611.1	3751	GG	AA	AA	INTERGENIC		
SNP_81454B_3827	scaffold7176	NW_004520611.1	3827	AA	CC	CC	INTERGENIC		
SNP_81455B_3873	scaffold7176	NW_004520611.1	3873	TT	CC	CC	INTERGENIC		
SNP_81456B_4208	scaffold7176	NW_004520611.1	4208	AA	GG	GG	INTERGENIC		
SNP_81457B_4257	scaffold7176	NW_004520611.1	4257	GG	AA	AA	INTERGENIC		
SNP_81458B_4316	scaffold7176	NW_004520611.1	4316	TT	CC	CC	INTERGENIC		
SNP_81459B_358	scaffold7183	NW_004520615.1	358	GG	AA	AA	INTERGENIC		
SNP_81460B_624	scaffold7187	NW_004520619.1	624	AA	CC	CC	INTERGENIC		
SNP_81461B_646	scaffold7187	NW_004520619.1	646	GG	CC	CC	INTERGENIC		
SNP_81463B_906	scaffold7187	NW_004520619.1	906	GG	AA	AA	INTERGENIC		
SNP_81464B_1044	scaffold7187	NW_004520619.1	1044	CC	TT	TT	INTERGENIC		
SNP_81465B_338	scaffold7196	NW_004520625.1	338	AA	CC	CC	INTERGENIC		
SNP_81466B_560	scaffold7196	NW_004520625.1	560	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81467B_612	scaffold7196	NW_004520625.1	612	GG	AA	AA	INTERGENIC		
SNP_81468B_732	scaffold7196	NW_004520625.1	732	AA	CC	CC	INTERGENIC		
SNP_81469B_774	scaffold7196	NW_004520625.1	774	TT	CC	CC	INTERGENIC		
SNP_81470B_889	scaffold7196	NW_004520625.1	889	GG	TT	TT	INTERGENIC		
SNP_81471B_2095	scaffold7196	NW_004520625.1	2095	AA	GG	GG	INTERGENIC		
SNP_81472B_2165	scaffold7196	NW_004520625.1	2165	AA	GG	GG	INTERGENIC		
SNP_81473B_64	scaffold7201	NW_004520629.1	64	TT	AA	AA	INTERGENIC		
SNP_81474B_80	scaffold7201	NW_004520629.1	80	TT	GG	GG	INTERGENIC		
SNP_81475B_963	scaffold7203	NW_004520631.1	963	GG	AA	AA	INTERGENIC		
SNP_81476B_968	scaffold7203	NW_004520631.1	968	TT	AA	AA	INTERGENIC		
SNP_81477B_1824	scaffold7210	NW_004520634.1	1824	AA	TT	TT	INTERGENIC		
SNP_81478B_1914	scaffold7210	NW_004520634.1	1914	GG	TT	TT	INTERGENIC		
SNP_81479B_6997	scaffold7210	NW_004520634.1	6997	TT	CC	CC	INTERGENIC		
SNP_81480B_7032	scaffold7210	NW_004520634.1	7032	AA	GG	GG	INTERGENIC		
SNP_81482B_7727	scaffold7210	NW_004520634.1	7727	GG	CC	CC	INTERGENIC		
SNP_81483B_7749	scaffold7210	NW_004520634.1	7749	GG	AA	AA	INTERGENIC		
SNP_81484B_7802	scaffold7210	NW_004520634.1	7802	TT	GG	GG	INTERGENIC		
SNP_81485B_7854	scaffold7210	NW_004520634.1	7854	GG	TT	TT	INTERGENIC		
SNP_81486B_185	scaffold7216	NW_004520636.1	185	AA	CC	CC	INTERGENIC		
SNP_81487B_200	scaffold7216	NW_004520636.1	200	AA	GG	GG	INTERGENIC		
SNP_81488B_229	scaffold7216	NW_004520636.1	229	AA	GG	GG	INTERGENIC		
SNP_81489B_568	scaffold7216	NW_004520636.1	568	CC	TT	TT	INTERGENIC		
SNP_81490B_580	scaffold7216	NW_004520636.1	580	TT	AA	AA	INTERGENIC		
SNP_81491B_591	scaffold7216	NW_004520636.1	591	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81492B_646	scaffold7216	NW_004520636.1	646	AA	GG	GG	INTERGENIC		
SNP_81493B_2948	scaffold7216	NW_004520636.1	2948	AA	TT	TT	INTERGENIC		
SNP_81494B_366	scaffold7229	NW_004520645.1	366	TT	AA	AA	INTERGENIC		
SNP_81495B_410	scaffold7231	NW_004520646.1	410	CC	TT	TT	INTERGENIC		
SNP_81496B_414	scaffold7231	NW_004520646.1	414	AA	GG	GG	INTERGENIC		
SNP_81497B_1431	scaffold7231	NW_004520646.1	1431	CC	AA	AA	INTERGENIC		
SNP_81498B_40	scaffold7235	NW_004520647.1	40	GG	AA	AA	INTERGENIC		
SNP_81499B_43	scaffold7235	NW_004520647.1	43	GG	TT	TT	INTERGENIC		
SNP_81500B_44	scaffold7235	NW_004520647.1	44	TT	CC	CC	INTERGENIC		
SNP_81501B_45	scaffold7235	NW_004520647.1	45	GG	AA	AA	INTERGENIC		
SNP_81502B_1287	scaffold7249	NW_004520656.1	1287	TT	GG	GG	INTERGENIC		
SNP_81503B_1337	scaffold7249	NW_004520656.1	1337	TT	GG	GG	INTERGENIC		
SNP_81504B_1354	scaffold7249	NW_004520656.1	1354	GG	AA	AA	INTERGENIC		
SNP_81505B_1391	scaffold7249	NW_004520656.1	1391	AA	CC	CC	INTERGENIC		
SNP_81506B_1404	scaffold7249	NW_004520656.1	1404	CC	TT	TT	INTERGENIC		
SNP_81507B_1597	scaffold7249	NW_004520656.1	1597	CC	TT	TT	INTERGENIC		
SNP_81508B_502	scaffold7254	NW_004520661.1	502	GG	AA	AA	INTERGENIC		
SNP_81509B_547	scaffold7254	NW_004520661.1	547	CC	AA	AA	INTERGENIC		
SNP_81510B_548	scaffold7254	NW_004520661.1	548	TT	CC	CC	INTERGENIC		
SNP_81511B_781	scaffold7254	NW_004520661.1	781	AA	GG	GG	INTERGENIC		
SNP_81512B_785	scaffold7254	NW_004520661.1	785	TT	GG	GG	INTERGENIC		
SNP_81513B_4762	scaffold7267	NW_004520668.1	4762	GG	TT	TT	INTERGENIC		
SNP_81514B_4801	scaffold7267	NW_004520668.1	4801	CC	GG	GG	INTERGENIC		
SNP_81515B_4844	scaffold7267	NW_004520668.1	4844	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81516B_5024	scaffold7267	NW_004520668.1	5024	CC	GG	GG	INTERGENIC		
SNP_81517B_5054	scaffold7267	NW_004520668.1	5054	GG	TT	TT	INTERGENIC		
SNP_81518B_525	scaffold7269	NW_004520670.1	525	TT	CC	CC	INTERGENIC		
SNP_81519B_579	scaffold7269	NW_004520670.1	579	AA	CC	CC	INTERGENIC		
SNP_81520B_629	scaffold7269	NW_004520670.1	629	CC	AA	AA	INTERGENIC		
SNP_81521B_640	scaffold7269	NW_004520670.1	640	AA	GG	TT	INTERGENIC		
SNP_81522B_660	scaffold7269	NW_004520670.1	660	AA	TT	TT	INTERGENIC		
SNP_81523B_809	scaffold7269	NW_004520670.1	809	CC	TT	TT	INTERGENIC		
SNP_81524B_64	scaffold7272	NW_004520671.1	64	AA	CC	CC	INTERGENIC		
SNP_81526B_127	scaffold7272	NW_004520671.1	127	TT	GG	GG	INTERGENIC		
SNP_81527B_385	scaffold7272	NW_004520671.1	385	AA	CC	CC	INTERGENIC		
SNP_81528B_440	scaffold7272	NW_004520671.1	440	AA	GG	GG	INTERGENIC		
SNP_81531B_912	scaffold7289	NW_004520677.1	912	GG	TT	TT	INTERGENIC		
SNP_81532B_12830	scaffold7293	NW_004520678.1	12830	CC	GG	GG	INTERGENIC		
SNP_81533B_12944	scaffold7293	NW_004520678.1	12944	GG	AA	AA	INTERGENIC		
SNP_81535B_13252	scaffold7293	NW_004520678.1	13252	GG	TT	TT	INTERGENIC		
SNP_81536B_13280	scaffold7293	NW_004520678.1	13280	AA	TT	TT	INTERGENIC		
SNP_81537B_13305	scaffold7293	NW_004520678.1	13305	CC	TT	TT	INTERGENIC		
SNP_81538B_13351	scaffold7293	NW_004520678.1	13351	TT	CC	CC	INTERGENIC		
SNP_81539B_13406	scaffold7293	NW_004520678.1	13406	AA	GG	GG	INTERGENIC		
SNP_81540B_13442	scaffold7293	NW_004520678.1	13442	AA	GG	GG	INTERGENIC		
SNP_81541B_13457	scaffold7293	NW_004520678.1	13457	GG	AA	AA	INTERGENIC		
SNP_81542B_13500	scaffold7293	NW_004520678.1	13500	GG	AA	AA	INTERGENIC		
SNP_81543B_13760	scaffold7293	NW_004520678.1	13760	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81544B_13764	scaffold7293	NW_004520678.1	13764	CC	TT	TT	INTERGENIC		
SNP_81545B_13790	scaffold7293	NW_004520678.1	13790	CC	TT	TT	INTERGENIC		
SNP_81546B_13885	scaffold7293	NW_004520678.1	13885	TT	CC	CC	INTERGENIC		
SNP_81547B_13993	scaffold7293	NW_004520678.1	13993	AA	TT	TT	INTERGENIC		
SNP_81548B_14006	scaffold7293	NW_004520678.1	14006	GG	TT	TT	INTERGENIC		
SNP_81549B_14085	scaffold7293	NW_004520678.1	14085	GG	AA	AA	INTERGENIC		
SNP_81550B_14128	scaffold7293	NW_004520678.1	14128	GG	TT	TT	INTERGENIC		
SNP_81551B_14161	scaffold7293	NW_004520678.1	14161	TT	AA	AA	INTERGENIC		
SNP_81552B_14163	scaffold7293	NW_004520678.1	14163	AA	GG	GG	INTERGENIC		
SNP_81553B_14244	scaffold7293	NW_004520678.1	14244	CC	TT	TT	INTERGENIC		
SNP_81554B_14385	scaffold7293	NW_004520678.1	14385	CC	TT	TT	INTERGENIC		
SNP_81555B_14401	scaffold7293	NW_004520678.1	14401	AA	GG	GG	INTERGENIC		
SNP_81556B_14498	scaffold7293	NW_004520678.1	14498	GG	AA	AA	INTERGENIC		
SNP_81557B_14502	scaffold7293	NW_004520678.1	14502	AA	TT	TT	INTERGENIC		
SNP_81558B_14507	scaffold7293	NW_004520678.1	14507	GG	AA	AA	INTERGENIC		
SNP_81559B_14530	scaffold7293	NW_004520678.1	14530	CC	GG	GG	INTERGENIC		
SNP_81560B_14556	scaffold7293	NW_004520678.1	14556	TT	CC	CC	INTERGENIC		
SNP_81561B_14658	scaffold7293	NW_004520678.1	14658	CC	TT	TT	INTERGENIC		
SNP_81562B_14660	scaffold7293	NW_004520678.1	14660	GG	AA	AA	INTERGENIC		
SNP_81563B_14685	scaffold7293	NW_004520678.1	14685	CC	GG	GG	INTERGENIC		
SNP_81564B_14758	scaffold7293	NW_004520678.1	14758	TT	CC	CC	INTERGENIC		
SNP_81565B_14860	scaffold7293	NW_004520678.1	14860	TT	GG	GG	INTERGENIC		
SNP_81566B_14924	scaffold7293	NW_004520678.1	14924	GG	AA	AA	INTERGENIC		
SNP_81567B_14948	scaffold7293	NW_004520678.1	14948	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81568B_14961	scaffold7293	NW_004520678.1	14961	GG	AA	AA	INTERGENIC		
SNP_81569B_14977	scaffold7293	NW_004520678.1	14977	CC	TT	TT	INTERGENIC		
SNP_81570B_15017	scaffold7293	NW_004520678.1	15017	GG	AA	AA	INTERGENIC		
SNP_81571B_15203	scaffold7293	NW_004520678.1	15203	CC	TT	TT	INTERGENIC		
SNP_81572B_15359	scaffold7293	NW_004520678.1	15359	CC	AA	AA	INTERGENIC		
SNP_81573B_15423	scaffold7293	NW_004520678.1	15423	GG	AA	AA	INTERGENIC		
SNP_81575B_15584	scaffold7293	NW_004520678.1	15584	CC	TT	TT	INTERGENIC		
SNP_81576B_15684	scaffold7293	NW_004520678.1	15684	CC	AA	AA	INTERGENIC		
SNP_81577B_15704	scaffold7293	NW_004520678.1	15704	GG	AA	AA	INTERGENIC		
SNP_81578B_15812	scaffold7293	NW_004520678.1	15812	AA	GG	GG	INTERGENIC		
SNP_81579B_15944	scaffold7293	NW_004520678.1	15944	CC	TT	TT	INTERGENIC		
SNP_81580B_19411	scaffold7293	NW_004520678.1	19411	CC	TT	TT	INTERGENIC		
SNP_81581B_19545	scaffold7293	NW_004520678.1	19545	TT	AA	AA	INTERGENIC		
SNP_81582B_19616	scaffold7293	NW_004520678.1	19616	AA	GG	GG	INTERGENIC		
SNP_81583B_19689	scaffold7293	NW_004520678.1	19689	TT	GG	GG	INTERGENIC		
SNP_81584B_19719	scaffold7293	NW_004520678.1	19719	AA	GG	GG	INTERGENIC		
SNP_81585B_19731	scaffold7293	NW_004520678.1	19731	AA	GG	GG	INTERGENIC		
SNP_81586B_19775	scaffold7293	NW_004520678.1	19775	CC	TT	TT	INTERGENIC		
SNP_81587B_19777	scaffold7293	NW_004520678.1	19777	GG	AA	AA	INTERGENIC		
SNP_81588B_19779	scaffold7293	NW_004520678.1	19779	CC	AA	AA	INTERGENIC		
SNP_81589B_19837	scaffold7293	NW_004520678.1	19837	GG	CC	CC	INTERGENIC		
SNP_81590B_19843	scaffold7293	NW_004520678.1	19843	AA	CC	CC	INTERGENIC		
SNP_81591B_19923	scaffold7293	NW_004520678.1	19923	TT	AA	AA	INTERGENIC		
SNP_81592B_19988	scaffold7293	NW_004520678.1	19988	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81593B_20048	scaffold7293	NW_004520678.1	20048	GG	AA	AA	INTERGENIC		
SNP_81594B_20188	scaffold7293	NW_004520678.1	20188	CC	TT	TT	INTERGENIC		
SNP_81596B_20222	scaffold7293	NW_004520678.1	20222	CC	TT	TT	INTERGENIC		
SNP_81597B_20227	scaffold7293	NW_004520678.1	20227	TT	GG	GG	INTERGENIC		
SNP_81598B_20294	scaffold7293	NW_004520678.1	20294	TT	AA	AA	INTERGENIC		
SNP_81599B_20437	scaffold7293	NW_004520678.1	20437	CC	TT	TT	INTERGENIC		
SNP_81600B_20460	scaffold7293	NW_004520678.1	20460	AA	TT	TT	INTERGENIC		
SNP_81601B_20535	scaffold7293	NW_004520678.1	20535	CC	GG	GG	INTERGENIC		
SNP_81602B_20615	scaffold7293	NW_004520678.1	20615	TT	CC	CC	INTERGENIC		
SNP_81603B_20639	scaffold7293	NW_004520678.1	20639	GG	AA	AA	INTERGENIC		
SNP_81604B_20707	scaffold7293	NW_004520678.1	20707	TT	CC	CC	INTERGENIC		
SNP_81605B_21207	scaffold7293	NW_004520678.1	21207	AA	CC	CC	INTERGENIC		
SNP_81607B_21363	scaffold7293	NW_004520678.1	21363	TT	CC	CC	INTERGENIC		
SNP_81608B_21523	scaffold7293	NW_004520678.1	21523	GG	AA	AA	INTERGENIC		
SNP_81609B_21589	scaffold7293	NW_004520678.1	21589	TT	GG	GG	INTERGENIC		
SNP_81610B_21611	scaffold7293	NW_004520678.1	21611	CC	TT	TT	INTERGENIC		
SNP_81611B_21703	scaffold7293	NW_004520678.1	21703	CC	TT	AA	INTERGENIC		
SNP_81612B_21744	scaffold7293	NW_004520678.1	21744	TT	CC	CC	INTERGENIC		
SNP_81613B_22155	scaffold7293	NW_004520678.1	22155	GG	AA	AA	INTERGENIC		
SNP_81614B_387	scaffold7295	NW_004520680.1	387	TT	GG	GG	INTERGENIC		
SNP_81615B_855	scaffold7295	NW_004520680.1	855	AA	GG	GG	INTERGENIC		
SNP_81617B_865	scaffold7299	NW_004520682.1	865	GG	AA	AA	INTERGENIC		
SNP_81619B_1371	scaffold7302	NW_004520684.1	1371	AA	CC	CC	INTERGENIC		
SNP_81621B_352	scaffold7313	NW_004520689.1	352	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81622B_1001	scaffold7313	NW_004520689.1	1001	AA	CC	CC	INTERGENIC		
SNP_81623B_1089	scaffold7313	NW_004520689.1	1089	TT	GG	GG	INTERGENIC		
SNP_81624B_1343	scaffold7313	NW_004520689.1	1343	CC	AA	AA	INTERGENIC		
SNP_81625B_1410	scaffold7313	NW_004520689.1	1410	AA	TT	TT	INTERGENIC		
SNP_81626B_1411	scaffold7313	NW_004520689.1	1411	GG	CC	CC	INTERGENIC		
SNP_81627B_1225	scaffold7314	NW_004520690.1	1225	CC	TT	TT	INTERGENIC		
SNP_81628B_1278	scaffold7314	NW_004520690.1	1278	CC	TT	TT	INTERGENIC		
SNP_81629B_1297	scaffold7314	NW_004520690.1	1297	CC	TT	TT	INTERGENIC		
SNP_81630B_1302	scaffold7314	NW_004520690.1	1302	CC	TT	TT	INTERGENIC		
SNP_81631B_1342	scaffold7314	NW_004520690.1	1342	CC	TT	TT	INTERGENIC		
SNP_81632B_1375	scaffold7314	NW_004520690.1	1375	GG	AA	AA	INTERGENIC		
SNP_81633B_1414	scaffold7314	NW_004520690.1	1414	GG	AA	AA	INTERGENIC		
SNP_81634B_1572	scaffold7314	NW_004520690.1	1572	TT	GG	GG	INTERGENIC		
SNP_81635B_1723	scaffold7314	NW_004520690.1	1723	CC	TT	TT	INTERGENIC		
SNP_81636B_1726	scaffold7314	NW_004520690.1	1726	AA	GG	GG	INTERGENIC		
SNP_81637B_1729	scaffold7314	NW_004520690.1	1729	CC	TT	TT	INTERGENIC		
SNP_81638B_1804	scaffold7314	NW_004520690.1	1804	CC	TT	TT	INTERGENIC		
SNP_81639B_1856	scaffold7314	NW_004520690.1	1856	TT	AA	AA	INTERGENIC		
SNP_81640B_1869	scaffold7314	NW_004520690.1	1869	GG	TT	TT	INTERGENIC		
SNP_81641B_1880	scaffold7314	NW_004520690.1	1880	GG	AA	AA	INTERGENIC		
SNP_81642B_1882	scaffold7314	NW_004520690.1	1882	AA	GG	GG	INTERGENIC		
SNP_81643B_409	scaffold7316	NW_004520692.1	409	AA	GG	GG	INTERGENIC		
SNP_81644B_719	scaffold7316	NW_004520692.1	719	GG	AA	AA	INTERGENIC		
SNP_81645B_791	scaffold7316	NW_004520692.1	791	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81646B_796	scaffold7316	NW_004520692.1	796	AA	CC	CC	INTERGENIC		
SNP_81647B_857	scaffold7316	NW_004520692.1	857	GG	AA	AA	INTERGENIC		
SNP_81648B_1102	scaffold7316	NW_004520692.1	1102	TT	CC	CC	INTERGENIC		
SNP_81649B_1281	scaffold7316	NW_004520692.1	1281	GG	TT	TT	INTERGENIC		
SNP_81650B_64	scaffold7318	NW_004520693.1	64	TT	GG	GG	INTERGENIC		
SNP_81651B_80	scaffold7318	NW_004520693.1	80	AA	GG	GG	INTERGENIC		
SNP_81652B_8330	scaffold7327	NW_004520698.1	8330	TT	CC	CC	INTERGENIC		
SNP_81653B_1869	scaffold7330	NW_004520700.1	1869	AA	GG	GG	INTERGENIC		
SNP_81654B_2036	scaffold7330	NW_004520700.1	2036	AA	GG	GG	INTERGENIC		
SNP_81655B_2170	scaffold7330	NW_004520700.1	2170	CC	TT	TT	INTERGENIC		
SNP_81657B_2282	scaffold7330	NW_004520700.1	2282	GG	TT	TT	INTERGENIC		
SNP_81658B_2284	scaffold7330	NW_004520700.1	2284	GG	AA	AA	INTERGENIC		
SNP_81659B_2298	scaffold7330	NW_004520700.1	2298	TT	GG	GG	INTERGENIC		
SNP_81660B_2311	scaffold7330	NW_004520700.1	2311	AA	TT	TT	INTERGENIC		
SNP_81661B_2312	scaffold7330	NW_004520700.1	2312	TT	AA	AA	INTERGENIC		
SNP_81662B_2747	scaffold7330	NW_004520700.1	2747	GG	TT	TT	INTERGENIC		
SNP_81663B_2755	scaffold7330	NW_004520700.1	2755	AA	TT	TT	INTERGENIC		
SNP_81665B_81	scaffold7335	NW_004520703.1	81	CC	GG	GG	INTERGENIC		
SNP_81666B_81	scaffold7340	NW_004520705.1	81	TT	AA	AA	INTERGENIC		
SNP_81667B_8581	scaffold7355	NW_004520713.1	8581	CC	GG	GG	INTERGENIC		
SNP_81668B_8588	scaffold7355	NW_004520713.1	8588	AA	CC	CC	INTERGENIC		
SNP_81669B_14819	scaffold7355	NW_004520713.1	14819	CC	AA	AA	INTERGENIC		
SNP_81670B_14833	scaffold7355	NW_004520713.1	14833	AA	TT	TT	INTERGENIC		
SNP_81671B_14841	scaffold7355	NW_004520713.1	14841	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81673B_19256	scaffold7355	NW_004520713.1	19256	TT	CC	CC	INTERGENIC		
SNP_81674B_19262	scaffold7355	NW_004520713.1	19262	AA	GG	GG	INTERGENIC		
SNP_81675B_19882	scaffold7355	NW_004520713.1	19882	TT	CC	CC	INTERGENIC		
SNP_81676B_20090	scaffold7355	NW_004520713.1	20090	TT	AA	AA	INTERGENIC		
SNP_81677B_21998	scaffold7355	NW_004520713.1	21998	GG	AA	AA	INTERGENIC		
SNP_81678B_22003	scaffold7355	NW_004520713.1	22003	GG	TT	TT	INTERGENIC		
SNP_81679B_23413	scaffold7355	NW_004520713.1	23413	CC	AA	AA	INTERGENIC		
SNP_81680B_23636	scaffold7355	NW_004520713.1	23636	AA	GG	GG	INTERGENIC		
SNP_81681B_2109	scaffold7364	NW_004520716.1	2109	CC	AA	AA	INTERGENIC		
SNP_81683B_2849	scaffold7364	NW_004520716.1	2849	AA	CC	CC	INTERGENIC		
SNP_81684B_4232	scaffold7364	NW_004520716.1	4232	TT	AA	AA	INTERGENIC		
SNP_81685B_40	scaffold7377	NW_004520726.1	40	AA	GG	GG	INTERGENIC		
SNP_81686B_53	scaffold7377	NW_004520726.1	53	CC	TT	TT	INTERGENIC		
SNP_81687B_64	scaffold7377	NW_004520726.1	64	AA	GG	GG	INTERGENIC		
SNP_81688B_81	scaffold7377	NW_004520726.1	81	TT	AA	AA	INTERGENIC		
SNP_81689B_92	scaffold7377	NW_004520726.1	92	AA	GG	GG	INTERGENIC		
SNP_81690B_110	scaffold7377	NW_004520726.1	110	TT	AA	AA	INTERGENIC		
SNP_81691B_234	scaffold7377	NW_004520726.1	234	AA	GG	GG	INTERGENIC		
SNP_81692B_411	scaffold7377	NW_004520726.1	411	TT	GG	GG	INTERGENIC		
SNP_81694B_550	scaffold7377	NW_004520726.1	550	GG	CC	CC	INTERGENIC		
SNP_81695B_637	scaffold7377	NW_004520726.1	637	GG	AA	AA	INTERGENIC		
SNP_81696B_667	scaffold7377	NW_004520726.1	667	TT	AA	AA	INTERGENIC		
SNP_81697B_196	scaffold7379	NW_004520728.1	196	AA	CC	CC	INTERGENIC		
SNP_81699B_771	scaffold7389	NW_004520733.1	771	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81700B_587	scaffold7398	NW_004520738.1	587	AA	TT	TT	INTERGENIC		
SNP_81701B_456	scaffold7405	NW_004520740.1	456	AA	GG	GG	INTERGENIC		
SNP_81702B_4097	scaffold7414	NW_004520746.1	4097	CC	TT	TT	INTERGENIC		
SNP_81703B_4102	scaffold7414	NW_004520746.1	4102	CC	AA	AA	INTERGENIC		
SNP_81704B_4304	scaffold7414	NW_004520746.1	4304	CC	AA	AA	INTERGENIC		
SNP_81705B_5446	scaffold7427	NW_004520753.1	5446	CC	TT	TT	URR	101492760	probable terpene synthase 2
SNP_81706B_7567	scaffold7427	NW_004520753.1	7567	CC	TT	TT	INTERGENIC		
SNP_81707B_7703	scaffold7427	NW_004520753.1	7703	GG	CC	CC	INTERGENIC		
SNP_81708B_7944	scaffold7427	NW_004520753.1	7944	GG	TT	TT	INTERGENIC		
SNP_81709B_183	scaffold7432	NW_004520754.1	183	AA	CC	CC	INTERGENIC		
SNP_81710B_307	scaffold7448	NW_004520762.1	307	CC	TT	TT	INTERGENIC		
SNP_81711B_737	scaffold7448	NW_004520762.1	737	AA	GG	GG	INTERGENIC		
SNP_81712B_13542	scaffold7448	NW_004520762.1	13542	GG	AA	AA	INTERGENIC		
SNP_81714B_13567	scaffold7448	NW_004520762.1	13567	CC	TT	TT	INTERGENIC		
SNP_81715B_13990	scaffold7448	NW_004520762.1	13990	AA	GG	GG	INTERGENIC		
SNP_81716B_14045	scaffold7448	NW_004520762.1	14045	AA	CC	CC	INTERGENIC		
SNP_81717B_14127	scaffold7448	NW_004520762.1	14127	TT	AA	AA	INTERGENIC		
SNP_81718B_20572	scaffold7448	NW_004520762.1	20572	GG	TT	TT	INTERGENIC		
SNP_81719B_20671	scaffold7448	NW_004520762.1	20671	AA	GG	GG	INTERGENIC		
SNP_81720B_20701	scaffold7448	NW_004520762.1	20701	TT	GG	GG	INTERGENIC		
SNP_81721B_20733	scaffold7448	NW_004520762.1	20733	TT	CC	CC	INTERGENIC		
SNP_81722B_20830	scaffold7448	NW_004520762.1	20830	TT	CC	CC	INTERGENIC		
SNP_81723B_20857	scaffold7448	NW_004520762.1	20857	CC	GG	GG	INTERGENIC		
SNP_81724B_20859	scaffold7448	NW_004520762.1	20859	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81725B_21156	scaffold7448	NW_004520762.1	21156	GG	AA	AA	INTERGENIC		
SNP_81726B_21242	scaffold7448	NW_004520762.1	21242	AA	TT	TT	INTERGENIC		
SNP_81727B_21272	scaffold7448	NW_004520762.1	21272	TT	AA	AA	INTERGENIC		
SNP_81728B_21307	scaffold7448	NW_004520762.1	21307	GG	CC	CC	INTERGENIC		
SNP_81730B_21681	scaffold7448	NW_004520762.1	21681	GG	AA	AA	INTERGENIC		
SNP_81731B_21745	scaffold7448	NW_004520762.1	21745	CC	TT	TT	INTERGENIC		
SNP_81732B_21880	scaffold7448	NW_004520762.1	21880	AA	TT	TT	INTERGENIC		
SNP_81733B_22261	scaffold7448	NW_004520762.1	22261	GG	AA	AA	INTERGENIC		
SNP_81734B_23260	scaffold7448	NW_004520762.1	23260	AA	CC	CC	INTERGENIC		
SNP_81735B_23293	scaffold7448	NW_004520762.1	23293	TT	CC	CC	INTERGENIC		
SNP_81736B_23405	scaffold7448	NW_004520762.1	23405	AA	TT	TT	INTERGENIC		
SNP_81737B_23469	scaffold7448	NW_004520762.1	23469	AA	CC	CC	INTERGENIC		
SNP_81738B_23573	scaffold7448	NW_004520762.1	23573	CC	TT	TT	INTERGENIC		
SNP_81739B_2605	scaffold7452	NW_004520765.1	2605	AA	GG	GG	INTERGENIC		
SNP_81740B_2886	scaffold7452	NW_004520765.1	2886	AA	TT	TT	INTERGENIC		
SNP_81741B_2906	scaffold7452	NW_004520765.1	2906	GG	CC	CC	INTERGENIC		
SNP_81742B_2942	scaffold7452	NW_004520765.1	2942	AA	TT	TT	INTERGENIC		
SNP_81743B_3479	scaffold7452	NW_004520765.1	3479	TT	GG	GG	INTERGENIC		
SNP_81744B_3483	scaffold7452	NW_004520765.1	3483	AA	TT	TT	INTERGENIC		
SNP_81745B_1000	scaffold7470	NW_004520776.1	1000	GG	AA	AA	INTERGENIC		
SNP_81746B_1235	scaffold7470	NW_004520776.1	1235	CC	AA	AA	INTERGENIC		
SNP_81747B_1262	scaffold7470	NW_004520776.1	1262	AA	GG	GG	INTERGENIC		
SNP_81748B_1328	scaffold7470	NW_004520776.1	1328	AA	GG	GG	INTERGENIC		
SNP_81749B_1845	scaffold7470	NW_004520776.1	1845	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81750B_2022	scaffold7470	NW_004520776.1	2022	TT	CC	CC	INTERGENIC		
SNP_81751B_2121	scaffold7470	NW_004520776.1	2121	GG	CC	CC	INTERGENIC		
SNP_81753B_2435	scaffold7470	NW_004520776.1	2435	CC	GG	GG	INTERGENIC		
SNP_81754B_2474	scaffold7470	NW_004520776.1	2474	GG	CC	CC	INTERGENIC		
SNP_81755B_2479	scaffold7470	NW_004520776.1	2479	GG	CC	CC	INTERGENIC		
SNP_81756B_2713	scaffold7470	NW_004520776.1	2713	TT	AA	AA	INTERGENIC		
SNP_81757B_857	scaffold7474	NW_004520779.1	857	TT	CC	CC	INTERGENIC		
SNP_81758B_973	scaffold7477	NW_004520781.1	973	CC	TT	TT	DRR	101493095	cytokinin hydroxylase-like
SNP_81759B_1063	scaffold7477	NW_004520781.1	1063	CC	TT	TT	DRR	101493095	cytokinin hydroxylase-like
SNP_81760B_1350	scaffold7477	NW_004520781.1	1350	AA	GG	GG	DRR	101493095	cytokinin hydroxylase-like
SNP_81761B_2062	scaffold7477	NW_004520781.1	2062	TT	CC	CC	INTRON	101493095	cytokinin hydroxylase-like
SNP_81762B_2151	scaffold7477	NW_004520781.1	2151	CC	AA	AA	INTRON	101493095	cytokinin hydroxylase-like
SNP_81764B_2402	scaffold7477	NW_004520781.1	2402	TT	CC	CC	INTRON	101493095	cytokinin hydroxylase-like
SNP_81765B_6372	scaffold7477	NW_004520781.1	6372	AA	GG	GG	INTERGENIC		
SNP_81766B_6406	scaffold7477	NW_004520781.1	6406	AA	TT	TT	INTERGENIC		
SNP_81767B_6485	scaffold7477	NW_004520781.1	6485	GG	AA	AA	INTERGENIC		
SNP_81769B_6912	scaffold7477	NW_004520781.1	6912	TT	CC	CC	INTERGENIC		
SNP_81770B_20705	scaffold7477	NW_004520781.1	20705	TT	CC	CC	INTERGENIC		
SNP_81771B_20981	scaffold7477	NW_004520781.1	20981	TT	GG	GG	INTERGENIC		
SNP_81772B_20987	scaffold7477	NW_004520781.1	20987	GG	AA	AA	INTERGENIC		
SNP_81773B_20988	scaffold7477	NW_004520781.1	20988	TT	GG	GG	INTERGENIC		
SNP_81774B_21044	scaffold7477	NW_004520781.1	21044	AA	GG	GG	INTERGENIC		
SNP_81775B_538	scaffold7481	NW_004520785.1	538	CC	GG	GG	INTERGENIC		
SNP_81776B_504	scaffold7484	NW_004520788.1	504	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81777B_19727	scaffold7484	NW_004520788.1	19727	TT	CC	CC	INTERGENIC		
SNP_81778B_19883	scaffold7484	NW_004520788.1	19883	CC	AA	AA	INTERGENIC		
SNP_81779B_20012	scaffold7484	NW_004520788.1	20012	GG	AA	AA	INTERGENIC		
SNP_81781B_679	scaffold7489	NW_004520791.1	679	TT	CC	CC	INTERGENIC		
SNP_81782B_697	scaffold7489	NW_004520791.1	697	AA	GG	GG	INTERGENIC		
SNP_81783B_741	scaffold7489	NW_004520791.1	741	CC	TT	TT	INTERGENIC		
SNP_81784B_752	scaffold7489	NW_004520791.1	752	TT	CC	CC	INTERGENIC		
SNP_81786B_860	scaffold7489	NW_004520791.1	860	CC	AA	AA	INTERGENIC		
SNP_81787B_871	scaffold7489	NW_004520791.1	871	GG	TT	TT	INTERGENIC		
SNP_81788B_882	scaffold7489	NW_004520791.1	882	CC	TT	TT	INTERGENIC		
SNP_81789B_889	scaffold7489	NW_004520791.1	889	TT	CC	CC	INTERGENIC		
SNP_81790B_932	scaffold7489	NW_004520791.1	932	CC	TT	TT	INTERGENIC		
SNP_81791B_936	scaffold7489	NW_004520791.1	936	AA	GG	GG	INTERGENIC		
SNP_81792B_1079	scaffold7489	NW_004520791.1	1079	TT	AA	AA	INTERGENIC		
SNP_81793B_1168	scaffold7489	NW_004520791.1	1168	GG	TT	TT	INTERGENIC		
SNP_81794B_1217	scaffold7489	NW_004520791.1	1217	GG	AA	AA	INTERGENIC		
SNP_81795B_1274	scaffold7489	NW_004520791.1	1274	AA	GG	GG	INTERGENIC		
SNP_81796B_1361	scaffold7489	NW_004520791.1	1361	TT	GG	GG	INTERGENIC		
SNP_81797B_1457	scaffold7489	NW_004520791.1	1457	CC	GG	GG	INTERGENIC		
SNP_81798B_1559	scaffold7489	NW_004520791.1	1559	CC	AA	AA	INTERGENIC		
SNP_81799B_1602	scaffold7489	NW_004520791.1	1602	AA	GG	GG	INTERGENIC		
SNP_81800B_1619	scaffold7489	NW_004520791.1	1619	AA	TT	TT	INTERGENIC		
SNP_81801B_1696	scaffold7489	NW_004520791.1	1696	CC	TT	TT	INTERGENIC		
SNP_81802B_1765	scaffold7489	NW_004520791.1	1765	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81803B_1773	scaffold7489	NW_004520791.1	1773	AA	GG	GG	INTERGENIC		
SNP_81804B_1788	scaffold7489	NW_004520791.1	1788	GG	AA	AA	INTERGENIC		
SNP_81806B_630	scaffold7502	NW_004520796.1	630	CC	GG	GG	INTERGENIC		
SNP_81807B_635	scaffold7502	NW_004520796.1	635	TT	AA	AA	INTERGENIC		
SNP_81808B_654	scaffold7502	NW_004520796.1	654	TT	CC	CC	INTERGENIC		
SNP_81809B_677	scaffold7502	NW_004520796.1	677	TT	AA	AA	INTERGENIC		
SNP_81810B_735	scaffold7502	NW_004520796.1	735	CC	TT	TT	INTERGENIC		
SNP_81811B_864	scaffold7502	NW_004520796.1	864	CC	AA	AA	INTERGENIC		
SNP_81812B_906	scaffold7502	NW_004520796.1	906	AA	TT	TT	INTERGENIC		
SNP_81813B_908	scaffold7502	NW_004520796.1	908	AA	GG	GG	INTERGENIC		
SNP_81814B_1123	scaffold7502	NW_004520796.1	1123	TT	CC	CC	INTERGENIC		
SNP_81815B_63	scaffold7511	NW_004520803.1	63	GG	CC	CC	INTERGENIC		
SNP_81816B_64	scaffold7511	NW_004520803.1	64	GG	CC	CC	INTERGENIC		
SNP_81817B_72	scaffold7511	NW_004520803.1	72	AA	GG	GG	INTERGENIC		
SNP_81818B_119	scaffold7511	NW_004520803.1	119	TT	CC	CC	INTERGENIC		
SNP_81819B_154	scaffold7511	NW_004520803.1	154	GG	AA	AA	INTERGENIC		
SNP_81820B_433	scaffold7511	NW_004520803.1	433	TT	GG	GG	INTERGENIC		
SNP_81821B_451	scaffold7511	NW_004520803.1	451	GG	AA	AA	INTERGENIC		
SNP_81822B_1106	scaffold7511	NW_004520803.1	1106	TT	CC	CC	INTERGENIC		
SNP_81823B_351	scaffold7528	NW_004520812.1	351	GG	TT	TT	INTERGENIC		
SNP_81824B_752	scaffold7528	NW_004520812.1	752	AA	GG	GG	INTERGENIC		
SNP_81825B_1686	scaffold7528	NW_004520812.1	1686	AA	TT	TT	INTERGENIC		
SNP_81826B_7495	scaffold7528	NW_004520812.1	7495	TT	CC	CC	INTERGENIC		
SNP_81827B_7592	scaffold7528	NW_004520812.1	7592	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81828B_7615	scaffold7528	NW_004520812.1	7615	CC	TT	TT	INTERGENIC		
SNP_81829B_7802	scaffold7528	NW_004520812.1	7802	GG	AA	AA	INTERGENIC		
SNP_81830B_7872	scaffold7528	NW_004520812.1	7872	AA	CC	CC	INTERGENIC		
SNP_81831B_8853	scaffold7528	NW_004520812.1	8853	CC	TT	TT	INTERGENIC		
SNP_81832B_8864	scaffold7528	NW_004520812.1	8864	TT	GG	GG	INTERGENIC		
SNP_81833B_9136	scaffold7528	NW_004520812.1	9136	GG	AA	AA	INTERGENIC		
SNP_81834B_9495	scaffold7528	NW_004520812.1	9495	TT	CC	CC	INTERGENIC		
SNP_81835B_9525	scaffold7528	NW_004520812.1	9525	TT	GG	GG	INTERGENIC		
SNP_81836B_11117	scaffold7528	NW_004520812.1	11117	TT	CC	CC	INTERGENIC		
SNP_81837B_14088	scaffold7528	NW_004520812.1	14088	CC	GG	GG	INTERGENIC		
SNP_81838B_14144	scaffold7528	NW_004520812.1	14144	CC	TT	TT	INTERGENIC		
SNP_81839B_14470	scaffold7528	NW_004520812.1	14470	TT	CC	CC	INTERGENIC		
SNP_81840B_14816	scaffold7528	NW_004520812.1	14816	GG	CC	CC	INTERGENIC		
SNP_81841B_14985	scaffold7528	NW_004520812.1	14985	AA	CC	CC	INTERGENIC		
SNP_81842B_15023	scaffold7528	NW_004520812.1	15023	TT	CC	CC	INTERGENIC		
SNP_81843B_15425	scaffold7528	NW_004520812.1	15425	TT	GG	GG	INTERGENIC		
SNP_81844B_792	scaffold7529	NW_004520813.1	792	TT	GG	GG	INTERGENIC		
SNP_81845B_1041	scaffold7529	NW_004520813.1	1041	GG	CC	CC	INTERGENIC		
SNP_81846B_431	scaffold7540	NW_004520817.1	431	TT	AA	AA	INTERGENIC		
SNP_81847B_1226	scaffold7540	NW_004520817.1	1226	TT	AA	AA	INTERGENIC		
SNP_81848B_1544	scaffold7540	NW_004520817.1	1544	AA	GG	GG	INTERGENIC		
SNP_81849B_478	scaffold7546	NW_004520822.1	478	TT	AA	AA	INTERGENIC		
SNP_81850B_1420	scaffold7546	NW_004520822.1	1420	CC	GG	GG	INTERGENIC		
SNP_81851B_477	scaffold7551	NW_004520824.1	477	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81852B_545	scaffold7551	NW_004520824.1	545	GG	AA	AA	INTERGENIC		
SNP_81853B_553	scaffold7551	NW_004520824.1	553	AA	GG	GG	INTERGENIC		
SNP_81854B_1899	scaffold7564	NW_004520832.1	1899	AA	GG	GG	INTERGENIC		
SNP_81855B_1925	scaffold7564	NW_004520832.1	1925	AA	CC	CC	INTERGENIC		
SNP_81856B_1987	scaffold7564	NW_004520832.1	1987	CC	TT	TT	INTERGENIC		
SNP_81857B_2000	scaffold7564	NW_004520832.1	2000	CC	TT	TT	INTERGENIC		
SNP_81858B_2059	scaffold7564	NW_004520832.1	2059	AA	TT	TT	INTERGENIC		
SNP_81859B_2083	scaffold7564	NW_004520832.1	2083	CC	AA	AA	INTERGENIC		
SNP_81860B_2161	scaffold7564	NW_004520832.1	2161	TT	GG	GG	INTERGENIC		
SNP_81861B_450	scaffold7565	NW_004520833.1	450	TT	CC	CC	INTERGENIC		
SNP_81862B_646	scaffold7565	NW_004520833.1	646	CC	TT	TT	INTERGENIC		
SNP_81863B_707	scaffold7565	NW_004520833.1	707	GG	CC	CC	INTERGENIC		
SNP_81864B_1071	scaffold7565	NW_004520833.1	1071	TT	GG	GG	INTERGENIC		
SNP_81865B_1161	scaffold7565	NW_004520833.1	1161	TT	AA	AA	INTERGENIC		
SNP_81866B_1922	scaffold7565	NW_004520833.1	1922	CC	GG	GG	INTERGENIC		
SNP_81867B_2359	scaffold7565	NW_004520833.1	2359	AA	GG	GG	INTERGENIC		
SNP_81868B_2589	scaffold7565	NW_004520833.1	2589	TT	AA	AA	INTERGENIC		
SNP_81869B_2790	scaffold7565	NW_004520833.1	2790	CC	AA	AA	INTERGENIC		
SNP_81870B_4736	scaffold7565	NW_004520833.1	4736	TT	CC	CC	INTERGENIC		
SNP_81871B_4788	scaffold7565	NW_004520833.1	4788	AA	GG	GG	INTERGENIC		
SNP_81872B_4814	scaffold7565	NW_004520833.1	4814	TT	CC	CC	INTERGENIC		
SNP_81873B_4854	scaffold7565	NW_004520833.1	4854	AA	TT	TT	INTERGENIC		
SNP_81874B_4925	scaffold7565	NW_004520833.1	4925	TT	CC	CC	INTERGENIC		
SNP_81875B_5050	scaffold7565	NW_004520833.1	5050	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81876B_5107	scaffold7565	NW_004520833.1	5107	GG	AA	AA	INTERGENIC		
SNP_81877B_5163	scaffold7565	NW_004520833.1	5163	AA	TT	TT	INTERGENIC		
SNP_81878B_119	scaffold7569	NW_004520836.1	119	CC	GG	GG	INTERGENIC		
SNP_81879B_143	scaffold7569	NW_004520836.1	143	CC	TT	TT	INTERGENIC		
SNP_81880B_296	scaffold7569	NW_004520836.1	296	AA	GG	GG	INTERGENIC		
SNP_81881B_384	scaffold7569	NW_004520836.1	384	AA	TT	TT	INTERGENIC		
SNP_81883B_578	scaffold7569	NW_004520836.1	578	GG	CC	CC	INTERGENIC		
SNP_81884B_718	scaffold7569	NW_004520836.1	718	TT	GG	GG	INTERGENIC		
SNP_81885B_729	scaffold7569	NW_004520836.1	729	AA	GG	GG	INTERGENIC		
SNP_81886B_747	scaffold7569	NW_004520836.1	747	CC	TT	TT	INTERGENIC		
SNP_81887B_691	scaffold7571	NW_004520837.1	691	CC	TT	TT	INTERGENIC		
SNP_81888B_3264	scaffold7575	NW_004520841.1	3264	AA	GG	GG	INTRON	id224345	Unknown function
SNP_81889B_359	scaffold7576	NW_004520842.1	359	GG	AA	AA	INTERGENIC		
SNP_81890B_406	scaffold7576	NW_004520842.1	406	GG	AA	AA	INTERGENIC		
SNP_81891B_514	scaffold7576	NW_004520842.1	514	AA	TT	TT	INTERGENIC		
SNP_81892B_599	scaffold7576	NW_004520842.1	599	TT	CC	CC	INTERGENIC		
SNP_81893B_608	scaffold7576	NW_004520842.1	608	AA	GG	GG	INTERGENIC		
SNP_81894B_1019	scaffold7576	NW_004520842.1	1019	CC	TT	TT	INTERGENIC		
SNP_81896B_353	scaffold7584	NW_004520847.1	353	CC	AA	AA	INTERGENIC		
SNP_81897B_413	scaffold7584	NW_004520847.1	413	AA	TT	TT	INTERGENIC		
SNP_81898B_426	scaffold7584	NW_004520847.1	426	CC	AA	AA	INTERGENIC		
SNP_81899B_596	scaffold7584	NW_004520847.1	596	CC	GG	GG	INTERGENIC		
SNP_81900B_764	scaffold7584	NW_004520847.1	764	AA	TT	TT	INTERGENIC		
SNP_81901B_779	scaffold7584	NW_004520847.1	779	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81903B_1036	scaffold7584	NW_004520847.1	1036	TT	AA	AA	INTERGENIC		
SNP_81904B_1042	scaffold7584	NW_004520847.1	1042	TT	CC	CC	INTERGENIC		
SNP_81905B_4735	scaffold7590	NW_004520849.1	4735	GG	TT	TT	INTERGENIC		
SNP_81906B_4797	scaffold7590	NW_004520849.1	4797	TT	CC	CC	INTERGENIC		
SNP_81907B_4875	scaffold7590	NW_004520849.1	4875	AA	CC	CC	INTERGENIC		
SNP_81908B_4998	scaffold7590	NW_004520849.1	4998	TT	CC	CC	INTERGENIC		
SNP_81909B_5000	scaffold7590	NW_004520849.1	5000	TT	CC	CC	INTERGENIC		
SNP_81910B_5085	scaffold7590	NW_004520849.1	5085	AA	GG	GG	INTERGENIC		
SNP_81911B_5102	scaffold7590	NW_004520849.1	5102	GG	AA	AA	INTERGENIC		
SNP_81912B_5168	scaffold7590	NW_004520849.1	5168	TT	CC	CC	INTERGENIC		
SNP_81913B_5176	scaffold7590	NW_004520849.1	5176	GG	AA	AA	INTERGENIC		
SNP_81914B_5202	scaffold7590	NW_004520849.1	5202	AA	GG	GG	INTERGENIC		
SNP_81915B_5229	scaffold7590	NW_004520849.1	5229	AA	CC	CC	INTERGENIC		
SNP_81916B_5301	scaffold7590	NW_004520849.1	5301	AA	GG	GG	INTERGENIC		
SNP_81917B_5327	scaffold7590	NW_004520849.1	5327	AA	GG	GG	INTERGENIC		
SNP_81918B_5488	scaffold7590	NW_004520849.1	5488	GG	AA	AA	INTERGENIC		
SNP_81919B_5506	scaffold7590	NW_004520849.1	5506	AA	TT	TT	INTERGENIC		
SNP_81920B_100	scaffold7595	NW_004520853.1	100	CC	GG	GG	INTERGENIC		
SNP_81921B_277	scaffold7595	NW_004520853.1	277	GG	TT	TT	INTERGENIC		
SNP_81922B_378	scaffold7595	NW_004520853.1	378	TT	CC	CC	INTERGENIC		
SNP_81923B_412	scaffold7595	NW_004520853.1	412	CC	TT	TT	INTERGENIC		
SNP_81924B_478	scaffold7595	NW_004520853.1	478	CC	GG	GG	INTERGENIC		
SNP_81925B_521	scaffold7595	NW_004520853.1	521	AA	CC	CC	INTERGENIC		
SNP_81926B_552	scaffold7595	NW_004520853.1	552	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81928B_620	scaffold7595	NW_004520853.1	620	GG	TT	TT	INTERGENIC		
SNP_81929B_708	scaffold7595	NW_004520853.1	708	TT	CC	CC	INTERGENIC		
SNP_81930B_1101	scaffold7596	NW_004520854.1	1101	AA	CC	CC	INTERGENIC		
SNP_81931B_151	scaffold7599	NW_004520855.1	151	CC	TT	TT	INTERGENIC		
SNP_81932B_820	scaffold7599	NW_004520855.1	820	AA	GG	GG	INTERGENIC		
SNP_81934B_1426	scaffold7604	NW_004520859.1	1426	AA	TT	TT	INTERGENIC		
SNP_81935B_1094	scaffold7610	NW_004520861.1	1094	AA	GG	GG	INTERGENIC		
SNP_81936B_279	scaffold7617	NW_004520865.1	279	GG	AA	AA	INTERGENIC		
SNP_81937B_442	scaffold7617	NW_004520865.1	442	TT	GG	GG	INTERGENIC		
SNP_81938B_449	scaffold7617	NW_004520865.1	449	AA	CC	CC	INTERGENIC		
SNP_81939B_455	scaffold7617	NW_004520865.1	455	CC	TT	TT	INTERGENIC		
SNP_81940B_457	scaffold7617	NW_004520865.1	457	GG	AA	AA	INTERGENIC		
SNP_81941B_488	scaffold7617	NW_004520865.1	488	CC	TT	TT	INTERGENIC		
SNP_81942B_498	scaffold7617	NW_004520865.1	498	AA	GG	GG	INTERGENIC		
SNP_81943B_526	scaffold7617	NW_004520865.1	526	AA	TT	TT	INTERGENIC		
SNP_81944B_569	scaffold7617	NW_004520865.1	569	CC	TT	TT	INTERGENIC		
SNP_81945B_713	scaffold7617	NW_004520865.1	713	CC	AA	AA	INTERGENIC		
SNP_81946B_714	scaffold7617	NW_004520865.1	714	CC	TT	TT	INTERGENIC		
SNP_81947B_731	scaffold7617	NW_004520865.1	731	GG	AA	AA	INTERGENIC		
SNP_81948B_820	scaffold7617	NW_004520865.1	820	GG	AA	AA	INTERGENIC		
SNP_81949B_831	scaffold7617	NW_004520865.1	831	AA	TT	TT	INTERGENIC		
SNP_81950B_834	scaffold7617	NW_004520865.1	834	AA	CC	CC	INTERGENIC		
SNP_81951B_895	scaffold7617	NW_004520865.1	895	TT	GG	GG	INTERGENIC		
SNP_81952B_917	scaffold7617	NW_004520865.1	917	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81953B_943	scaffold7617	NW_004520865.1	943	AA	CC	CC	INTERGENIC		
SNP_81954B_953	scaffold7617	NW_004520865.1	953	CC	AA	AA	INTERGENIC		
SNP_81955B_965	scaffold7617	NW_004520865.1	965	GG	TT	TT	INTERGENIC		
SNP_81956B_975	scaffold7617	NW_004520865.1	975	GG	CC	CC	INTERGENIC		
SNP_81957B_1022	scaffold7617	NW_004520865.1	1022	TT	GG	GG	INTERGENIC		
SNP_81958B_1038	scaffold7617	NW_004520865.1	1038	AA	TT	TT	INTERGENIC		
SNP_81960B_1055	scaffold7617	NW_004520865.1	1055	CC	TT	TT	INTERGENIC		
SNP_81961B_1072	scaffold7617	NW_004520865.1	1072	TT	CC	CC	INTERGENIC		
SNP_81962B_1239	scaffold7617	NW_004520865.1	1239	TT	AA	AA	INTERGENIC		
SNP_81963B_1260	scaffold7617	NW_004520865.1	1260	TT	AA	AA	INTERGENIC		
SNP_81964B_1828	scaffold7621	NW_004520866.1	1828	CC	TT	TT	INTERGENIC		
SNP_81965B_55	scaffold7624	NW_004520868.1	55	GG	TT	TT	INTERGENIC		
SNP_81967B_64	scaffold7624	NW_004520868.1	64	TT	AA	AA	INTERGENIC		
SNP_81968B_98	scaffold7624	NW_004520868.1	98	TT	GG	GG	INTERGENIC		
SNP_81969B_2479	scaffold7650	NW_004520879.1	2479	GG	CC	CC	INTERGENIC		
SNP_81970B_9099	scaffold7650	NW_004520879.1	9099	TT	GG	GG	URR	101494277	SKP1-like protein 14
SNP_81972B_9781	scaffold7650	NW_004520879.1	9781	GG	AA	AA	URR	101494277	SKP1-like protein 14
SNP_81974B_10148	scaffold7650	NW_004520879.1	10148	GG	TT	TT	URR	101494277	SKP1-like protein 14
SNP_81975B_10248	scaffold7650	NW_004520879.1	10248	CC	AA	AA	URR	101494277	SKP1-like protein 14
SNP_81976B_10256	scaffold7650	NW_004520879.1	10256	CC	TT	TT	URR	101494277	SKP1-like protein 14
SNP_81977B_647	scaffold7657	NW_004520885.1	647	AA	GG	GG	INTERGENIC		
SNP_81978B_651	scaffold7657	NW_004520885.1	651	AA	TT	TT	INTERGENIC		
SNP_81980B_781	scaffold7657	NW_004520885.1	781	TT	AA	AA	INTERGENIC		
SNP_81981B_802	scaffold7657	NW_004520885.1	802	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_81982B_854	scaffold7657	NW_004520885.1	854	AA	GG	GG	INTERGENIC		
SNP_81983B_570	scaffold7661	NW_004520887.1	570	TT	AA	AA	INTERGENIC		
SNP_81984B_697	scaffold7661	NW_004520887.1	697	CC	TT	TT	INTERGENIC		
SNP_81985B_834	scaffold7661	NW_004520887.1	834	CC	AA	AA	INTERGENIC		
SNP_81987B_336	scaffold7663	NW_004520888.1	336	AA	CC	CC	INTERGENIC		
SNP_81988B_356	scaffold7663	NW_004520888.1	356	GG	TT	TT	INTERGENIC		
SNP_81990B_2653	scaffold7679	NW_004520896.1	2653	GG	CC	CC	INTERGENIC		
SNP_81991B_444	scaffold7697	NW_004520908.1	444	GG	CC	CC	INTERGENIC		
SNP_81993B_653	scaffold7697	NW_004520908.1	653	AA	GG	GG	INTERGENIC		
SNP_81994B_676	scaffold7697	NW_004520908.1	676	GG	CC	CC	INTERGENIC		
SNP_81995B_729	scaffold7697	NW_004520908.1	729	AA	TT	TT	INTERGENIC		
SNP_81996B_790	scaffold7697	NW_004520908.1	790	TT	CC	CC	INTERGENIC		
SNP_81997B_668	scaffold7698	NW_004520909.1	668	GG	CC	CC	INTERGENIC		
SNP_81998B_704	scaffold7698	NW_004520909.1	704	AA	TT	TT	INTERGENIC		
SNP_81999B_890	scaffold7698	NW_004520909.1	890	AA	GG	GG	INTERGENIC		
SNP_82000B_979	scaffold7698	NW_004520909.1	979	CC	GG	GG	INTERGENIC		
SNP_82001B_1012	scaffold7698	NW_004520909.1	1012	AA	GG	GG	INTERGENIC		
SNP_82002B_1027	scaffold7698	NW_004520909.1	1027	CC	AA	AA	INTERGENIC		
SNP_82003B_1125	scaffold7698	NW_004520909.1	1125	TT	CC	CC	INTERGENIC		
SNP_82004B_1222	scaffold7698	NW_004520909.1	1222	CC	TT	TT	INTERGENIC		
SNP_82005B_1397	scaffold7699	NW_004520910.1	1397	AA	GG	GG	INTERGENIC		
SNP_82006B_1398	scaffold7699	NW_004520910.1	1398	GG	AA	AA	INTERGENIC		
SNP_82007B_542	scaffold7701	NW_004520912.1	542	AA	TT	TT	INTERGENIC		
SNP_82008B_644	scaffold7701	NW_004520912.1	644	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_82009B_645	scaffold7701	NW_004520912.1	645	AA	GG	GG	INTERGENIC		
SNP_82010B_922	scaffold7701	NW_004520912.1	922	AA	GG	GG	INTERGENIC		
SNP_82011B_276	scaffold7704	NW_004520915.1	276	CC	GG	GG	INTERGENIC		
SNP_82012B_5795	scaffold7715	NW_004520919.1	5795	GG	CC	CC	URR	101494586	fasciclin-like arabinogalactan protein 21
SNP_82013B_5852	scaffold7715	NW_004520919.1	5852	TT	CC	CC	URR	101494586	fasciclin-like arabinogalactan protein 21
SNP_82014B_5874	scaffold7715	NW_004520919.1	5874	AA	TT	TT	URR	101494586	fasciclin-like arabinogalactan protein 21
SNP_82015B_1312	scaffold7717	NW_004520921.1	1312	TT	CC	CC	INTERGENIC		
SNP_82016B_1198	scaffold7724	NW_004520923.1	1198	TT	CC	CC	INTERGENIC		
SNP_82018B_1597	scaffold7724	NW_004520923.1	1597	AA	GG	GG	INTERGENIC		
SNP_82019B_2484	scaffold7724	NW_004520923.1	2484	TT	GG	GG	INTERGENIC		
SNP_82020B_3567	scaffold7724	NW_004520923.1	3567	GG	AA	AA	INTERGENIC		
SNP_82021B_692	scaffold7731	NW_004520927.1	692	GG	CC	CC	INTERGENIC		
SNP_82022B_819	scaffold7731	NW_004520927.1	819	TT	CC	CC	INTERGENIC		
SNP_82023B_881	scaffold7731	NW_004520927.1	881	CC	TT	TT	INTERGENIC		
SNP_82024B_1182	scaffold7731	NW_004520927.1	1182	TT	CC	CC	INTERGENIC		
SNP_82025B_1228	scaffold7731	NW_004520927.1	1228	CC	TT	TT	INTERGENIC		
SNP_82026B_2230	scaffold7740	NW_004520933.1	2230	CC	TT	TT	INTERGENIC		
SNP_82027B_815	scaffold7752	NW_004520937.1	815	TT	CC	CC	INTERGENIC		
SNP_82028B_969	scaffold7752	NW_004520937.1	969	AA	GG	GG	INTERGENIC		
SNP_82029B_1078	scaffold7752	NW_004520937.1	1078	AA	TT	TT	INTERGENIC		
SNP_82030B_1086	scaffold7752	NW_004520937.1	1086	AA	GG	GG	INTERGENIC		
SNP_82031B_1438	scaffold7752	NW_004520937.1	1438	CC	TT	TT	INTERGENIC		
SNP_82032B_788	scaffold7753	NW_004520938.1	788	AA	CC	CC	INTERGENIC		
SNP_82033B_813	scaffold7753	NW_004520938.1	813	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_82034B_821	scaffold7753	NW_004520938.1	821	AA	CC	CC	INTERGENIC		
SNP_82035B_893	scaffold7753	NW_004520938.1	893	CC	AA	AA	INTERGENIC		
SNP_82036B_924	scaffold7753	NW_004520938.1	924	TT	AA	AA	INTERGENIC		
SNP_82037B_928	scaffold7753	NW_004520938.1	928	TT	GG	GG	INTERGENIC		
SNP_82039B_64	scaffold7765	NW_004520941.1	64	CC	AA	AA	INTERGENIC		
SNP_82040B_109	scaffold7765	NW_004520941.1	109	AA	GG	GG	INTERGENIC		
SNP_82041B_309	scaffold7765	NW_004520941.1	309	TT	CC	CC	INTERGENIC		
SNP_82042B_503	scaffold7765	NW_004520941.1	503	CC	TT	TT	INTERGENIC		
SNP_82043B_886	scaffold7765	NW_004520941.1	886	GG	AA	AA	INTERGENIC		
SNP_82044B_960	scaffold7765	NW_004520941.1	960	CC	GG	GG	INTERGENIC		
SNP_82046B_1063	scaffold7765	NW_004520941.1	1063	TT	GG	GG	INTERGENIC		
SNP_82047B_195	scaffold7778	NW_004520950.1	195	CC	TT	TT	INTERGENIC		
SNP_82048B_433	scaffold7778	NW_004520950.1	433	AA	GG	GG	INTERGENIC		
SNP_82049B_447	scaffold7778	NW_004520950.1	447	TT	CC	CC	INTERGENIC		
SNP_82050B_451	scaffold7778	NW_004520950.1	451	TT	CC	CC	INTERGENIC		
SNP_82051B_801	scaffold7795	NW_004520959.1	801	TT	CC	CC	INTERGENIC		
SNP_82052B_1053	scaffold7795	NW_004520959.1	1053	GG	CC	CC	INTERGENIC		
SNP_82054B_2240	scaffold7797	NW_004520960.1	2240	AA	GG	GG	INTERGENIC		
SNP_82055B_2713	scaffold7801	NW_004520963.1	2713	GG	CC	CC	INTERGENIC		
SNP_82056B_1356	scaffold7802	NW_004520964.1	1356	CC	GG	GG	INTERGENIC		
SNP_82058B_329	scaffold7807	NW_004520967.1	329	GG	TT	TT	INTERGENIC		
SNP_82059B_2009	scaffold7807	NW_004520967.1	2009	GG	CC	CC	INTERGENIC		
SNP_82060B_6025	scaffold7807	NW_004520967.1	6025	GG	AA	AA	INTERGENIC		
SNP_82061B_469	scaffold7808	NW_004520968.1	469	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_82062B_475	scaffold7808	NW_004520968.1	475	AA	TT	TT	INTERGENIC		
SNP_82063B_515	scaffold7808	NW_004520968.1	515	AA	GG	GG	INTERGENIC		
SNP_82064B_544	scaffold7808	NW_004520968.1	544	TT	CC	CC	INTERGENIC		
SNP_82065B_547	scaffold7808	NW_004520968.1	547	AA	TT	TT	INTERGENIC		
SNP_82066B_379	scaffold7815	NW_004520972.1	379	GG	CC	CC	INTERGENIC		
SNP_82067B_605	scaffold7815	NW_004520972.1	605	AA	GG	GG	INTERGENIC		
SNP_82068B_5003	scaffold7815	NW_004520972.1	5003	TT	AA	AA	INTERGENIC		
SNP_82069B_174	scaffold7821	NW_004520978.1	174	CC	TT	TT	INTERGENIC		
SNP_82070B_180	scaffold7821	NW_004520978.1	180	GG	AA	AA	INTERGENIC		
SNP_82071B_195	scaffold7821	NW_004520978.1	195	TT	CC	CC	INTERGENIC		
SNP_82072B_200	scaffold7821	NW_004520978.1	200	CC	GG	GG	INTERGENIC		
SNP_82073B_201	scaffold7821	NW_004520978.1	201	CC	TT	TT	INTERGENIC		
SNP_82074B_203	scaffold7821	NW_004520978.1	203	AA	TT	TT	INTERGENIC		
SNP_82075B_207	scaffold7821	NW_004520978.1	207	CC	TT	TT	INTERGENIC		
SNP_82076B_238	scaffold7821	NW_004520978.1	238	TT	CC	CC	INTERGENIC		
SNP_82077B_285	scaffold7821	NW_004520978.1	285	TT	CC	CC	INTERGENIC		
SNP_82078B_291	scaffold7821	NW_004520978.1	291	AA	GG	GG	INTERGENIC		
SNP_82079B_301	scaffold7821	NW_004520978.1	301	AA	CC	CC	INTERGENIC		
SNP_82080B_306	scaffold7821	NW_004520978.1	306	GG	AA	AA	INTERGENIC		
SNP_82081B_312	scaffold7821	NW_004520978.1	312	TT	CC	CC	INTERGENIC		
SNP_82083B_436	scaffold7823	NW_004520979.1	436	TT	CC	CC	INTERGENIC		
SNP_82084B_458	scaffold7823	NW_004520979.1	458	GG	TT	TT	INTERGENIC		
SNP_82085B_2130	scaffold7823	NW_004520979.1	2130	CC	TT	TT	INTERGENIC		
SNP_82086B_4844	scaffold7823	NW_004520979.1	4844	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_82087B_1194	scaffold7837	NW_004520985.1	1194	CC	TT	TT	INTERGENIC		
SNP_82088B_1206	scaffold7837	NW_004520985.1	1206	GG	AA	AA	INTERGENIC		
SNP_82089B_1363	scaffold7837	NW_004520985.1	1363	GG	TT	TT	INTERGENIC		
SNP_82090B_1369	scaffold7837	NW_004520985.1	1369	GG	AA	AA	INTERGENIC		
SNP_82091B_1370	scaffold7837	NW_004520985.1	1370	GG	AA	AA	INTERGENIC		
SNP_82092B_1430	scaffold7837	NW_004520985.1	1430	TT	CC	CC	INTERGENIC		
SNP_82093B_1432	scaffold7837	NW_004520985.1	1432	TT	AA	AA	INTERGENIC		
SNP_82094B_4811	scaffold7839	NW_004520986.1	4811	GG	AA	AA	INTERGENIC		
SNP_82095B_5032	scaffold7839	NW_004520986.1	5032	TT	CC	CC	INTERGENIC		
SNP_82096B_5040	scaffold7839	NW_004520986.1	5040	AA	TT	TT	INTERGENIC		
SNP_82097B_19867	scaffold7842	NW_004520987.1	19867	TT	CC	CC	INTERGENIC		
SNP_82098B_20102	scaffold7842	NW_004520987.1	20102	AA	GG	GG	INTERGENIC		
SNP_82099B_20195	scaffold7842	NW_004520987.1	20195	AA	GG	GG	INTERGENIC		
SNP_82100B_20296	scaffold7842	NW_004520987.1	20296	AA	TT	TT	INTERGENIC		
SNP_82101B_20299	scaffold7842	NW_004520987.1	20299	TT	AA	AA	INTERGENIC		
SNP_82102B_20308	scaffold7842	NW_004520987.1	20308	CC	GG	GG	INTERGENIC		
SNP_82103B_20357	scaffold7842	NW_004520987.1	20357	TT	AA	AA	INTERGENIC		
SNP_82105B_20506	scaffold7842	NW_004520987.1	20506	TT	CC	CC	INTERGENIC		
SNP_82106B_20507	scaffold7842	NW_004520987.1	20507	AA	CC	CC	INTERGENIC		
SNP_82107B_20533	scaffold7842	NW_004520987.1	20533	AA	TT	TT	INTERGENIC		
SNP_82109B_481	scaffold7857	NW_004520993.1	481	TT	CC	CC	INTERGENIC		
SNP_82110B_646	scaffold7857	NW_004520993.1	646	GG	AA	AA	INTERGENIC		
SNP_82111B_647	scaffold7857	NW_004520993.1	647	GG	AA	AA	INTERGENIC		
SNP_82112B_727	scaffold7857	NW_004520993.1	727	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_82113B_728	scaffold7857	NW_004520993.1	728	TT	GG	GG	INTERGENIC		
SNP_82114B_781	scaffold7857	NW_004520993.1	781	AA	TT	TT	INTERGENIC		
SNP_82115B_792	scaffold7857	NW_004520993.1	792	AA	CC	CC	INTERGENIC		
SNP_82116B_1570	scaffold7868	NW_004520999.1	1570	GG	AA	CC	INTERGENIC		
SNP_82117B_1597	scaffold7868	NW_004520999.1	1597	AA	TT	TT	INTERGENIC		
SNP_82118B_1620	scaffold7868	NW_004520999.1	1620	GG	CC	CC	INTERGENIC		
SNP_82119B_1087	scaffold7886	NW_004521008.1	1087	CC	TT	TT	INTERGENIC		
SNP_82120B_251	scaffold7887	NW_004521009.1	251	CC	TT	TT	DRR	101496429	protein trichome birefringence-like 19
SNP_82121B_577	scaffold7887	NW_004521009.1	577	AA	GG	GG	INTERGENIC		
SNP_82122B_1886	scaffold7889	NW_004521010.1	1886	AA	TT	TT	INTERGENIC		
SNP_82123B_1898	scaffold7889	NW_004521010.1	1898	AA	GG	GG	INTERGENIC		
SNP_82124B_1927	scaffold7889	NW_004521010.1	1927	AA	GG	GG	INTERGENIC		
SNP_82125B_427	scaffold7890	NW_004521011.1	427	CC	TT	TT	INTERGENIC		
SNP_82126B_438	scaffold7890	NW_004521011.1	438	GG	AA	AA	INTERGENIC		
SNP_82127B_481	scaffold7890	NW_004521011.1	481	AA	TT	TT	INTERGENIC		
SNP_82128B_530	scaffold7890	NW_004521011.1	530	AA	CC	CC	INTERGENIC		
SNP_82129B_605	scaffold7890	NW_004521011.1	605	TT	GG	GG	INTERGENIC		
SNP_82130B_673	scaffold7890	NW_004521011.1	673	GG	AA	AA	INTERGENIC		
SNP_82132B_773	scaffold7890	NW_004521011.1	773	TT	CC	CC	INTERGENIC		
SNP_82133B_796	scaffold7890	NW_004521011.1	796	TT	CC	CC	INTERGENIC		
SNP_82134B_841	scaffold7890	NW_004521011.1	841	TT	CC	CC	INTERGENIC		
SNP_82135B_3062	scaffold7891	NW_004521012.1	3062	AA	GG	GG	INTERGENIC		
SNP_82136B_3335	scaffold7891	NW_004521012.1	3335	AA	GG	GG	INTERGENIC		
SNP_82137B_3420	scaffold7891	NW_004521012.1	3420	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_82138B_3746	scaffold7891	NW_004521012.1	3746	AA	GG	GG	INTERGENIC		
SNP_82139B_3749	scaffold7891	NW_004521012.1	3749	GG	TT	TT	INTERGENIC		
SNP_82141B_3854	scaffold7891	NW_004521012.1	3854	CC	TT	TT	INTERGENIC		
SNP_82142B_3873	scaffold7891	NW_004521012.1	3873	TT	CC	CC	INTERGENIC		
SNP_82143B_3888	scaffold7891	NW_004521012.1	3888	TT	CC	CC	INTERGENIC		
SNP_82144B_4033	scaffold7891	NW_004521012.1	4033	TT	GG	GG	INTERGENIC		
SNP_82145B_4046	scaffold7891	NW_004521012.1	4046	AA	CC	CC	INTERGENIC		
SNP_82146B_4050	scaffold7891	NW_004521012.1	4050	CC	TT	TT	INTERGENIC		
SNP_82147B_4088	scaffold7891	NW_004521012.1	4088	AA	GG	GG	INTERGENIC		
SNP_82148B_4093	scaffold7891	NW_004521012.1	4093	CC	TT	TT	INTERGENIC		
SNP_82149B_4094	scaffold7891	NW_004521012.1	4094	AA	GG	GG	INTERGENIC		
SNP_82150B_4202	scaffold7891	NW_004521012.1	4202	AA	CC	CC	INTERGENIC		
SNP_82151B_4248	scaffold7891	NW_004521012.1	4248	AA	TT	TT	INTERGENIC		
SNP_82152B_4251	scaffold7891	NW_004521012.1	4251	GG	AA	AA	INTERGENIC		
SNP_82153B_4349	scaffold7891	NW_004521012.1	4349	AA	GG	GG	INTERGENIC		
SNP_82154B_4429	scaffold7891	NW_004521012.1	4429	GG	TT	TT	INTERGENIC		
SNP_82155B_4455	scaffold7891	NW_004521012.1	4455	TT	CC	CC	INTERGENIC		
SNP_82156B_4456	scaffold7891	NW_004521012.1	4456	GG	AA	AA	INTERGENIC		
SNP_82157B_4496	scaffold7891	NW_004521012.1	4496	TT	CC	CC	INTERGENIC		
SNP_82158B_4525	scaffold7891	NW_004521012.1	4525	AA	CC	CC	INTERGENIC		
SNP_82159B_4540	scaffold7891	NW_004521012.1	4540	TT	CC	CC	INTERGENIC		
SNP_82160B_4547	scaffold7891	NW_004521012.1	4547	CC	GG	GG	INTERGENIC		
SNP_82161B_4572	scaffold7891	NW_004521012.1	4572	CC	TT	TT	INTERGENIC		
SNP_82162B_4659	scaffold7891	NW_004521012.1	4659	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_82163B_4850	scaffold7891	NW_004521012.1	4850	TT	AA	AA	INTERGENIC		
SNP_82164B_4867	scaffold7891	NW_004521012.1	4867	AA	GG	GG	INTERGENIC		
SNP_82165B_95	scaffold7898	NW_004521017.1	95	TT	CC	CC	INTERGENIC		
SNP_82166B_975	scaffold7898	NW_004521017.1	975	TT	CC	CC	INTERGENIC		
SNP_82167B_422	scaffold7902	NW_004521019.1	422	TT	GG	GG	INTERGENIC		
SNP_82168B_664	scaffold7902	NW_004521019.1	664	CC	TT	TT	INTERGENIC		
SNP_82170B_905	scaffold7902	NW_004521019.1	905	GG	AA	AA	INTERGENIC		
SNP_82171B_1458	scaffold7902	NW_004521019.1	1458	TT	CC	CC	INTERGENIC		
SNP_82172B_1573	scaffold7902	NW_004521019.1	1573	AA	GG	GG	INTERGENIC		
SNP_82173B_1764	scaffold7902	NW_004521019.1	1764	AA	GG	GG	INTERGENIC		
SNP_82174B_1958	scaffold7906	NW_004521022.1	1958	CC	TT	TT	INTERGENIC		
SNP_82175B_1968	scaffold7906	NW_004521022.1	1968	GG	AA	AA	INTERGENIC		
SNP_82176B_2015	scaffold7906	NW_004521022.1	2015	GG	AA	AA	INTERGENIC		
SNP_82177B_4960	scaffold7922	NW_004521029.1	4960	GG	AA	AA	INTERGENIC		
SNP_82178B_5044	scaffold7922	NW_004521029.1	5044	GG	AA	AA	INTERGENIC		
SNP_82179B_5134	scaffold7922	NW_004521029.1	5134	AA	TT	TT	INTERGENIC		
SNP_82182B_2482	scaffold7923	NW_004521030.1	2482	CC	TT	TT	INTRON	101497070	tripeptidyl-peptidase 2-like
SNP_82184B_22306	scaffold7923	NW_004521030.1	22306	TT	CC	CC	DRR	101497739	cytokinin hydroxylase-like
SNP_82185B_22310	scaffold7923	NW_004521030.1	22310	AA	TT	TT	DRR	101497739	cytokinin hydroxylase-like
SNP_82186B_22440	scaffold7923	NW_004521030.1	22440	GG	AA	AA	DRR	101497739	cytokinin hydroxylase-like
SNP_82187B_22548	scaffold7923	NW_004521030.1	22548	CC	TT	TT	DRR	101497739	cytokinin hydroxylase-like
SNP_82188B_22561	scaffold7923	NW_004521030.1	22561	GG	TT	TT	DRR	101497739	cytokinin hydroxylase-like
SNP_82189B_22619	scaffold7923	NW_004521030.1	22619	AA	GG	GG	DRR	101497739	cytokinin hydroxylase-like
SNP_82190B_22778	scaffold7923	NW_004521030.1	22778	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_82191B_22830	scaffold7923	NW_004521030.1	22830	CC	TT	TT	INTERGENIC		
SNP_82192B_24993	scaffold7923	NW_004521030.1	24993	AA	TT	TT	DRR	101498066	Unknown function
SNP_82193B_25028	scaffold7923	NW_004521030.1	25028	CC	TT	TT	DRR	101498066	Unknown function
SNP_82195B_359	scaffold7934	NW_004521035.1	359	CC	TT	TT	INTERGENIC		
SNP_82196B_590	scaffold7934	NW_004521035.1	590	GG	TT	TT	INTERGENIC		
SNP_82197B_2148	scaffold7934	NW_004521035.1	2148	CC	TT	TT	INTERGENIC		
SNP_82198B_2292	scaffold7934	NW_004521035.1	2292	TT	CC	CC	INTERGENIC		
SNP_82199B_2448	scaffold7934	NW_004521035.1	2448	TT	GG	GG	INTERGENIC		
SNP_82200B_2463	scaffold7934	NW_004521035.1	2463	TT	AA	AA	INTERGENIC		
SNP_82201B_2678	scaffold7934	NW_004521035.1	2678	GG	AA	AA	INTERGENIC		
SNP_82202B_2837	scaffold7934	NW_004521035.1	2837	GG	AA	AA	INTERGENIC		
SNP_82203B_2912	scaffold7934	NW_004521035.1	2912	TT	AA	AA	INTERGENIC		
SNP_82204B_3009	scaffold7934	NW_004521035.1	3009	AA	TT	TT	INTERGENIC		
SNP_82205B_3086	scaffold7934	NW_004521035.1	3086	AA	GG	GG	INTERGENIC		
SNP_82206B_3099	scaffold7934	NW_004521035.1	3099	TT	CC	CC	INTERGENIC		
SNP_82207B_583	scaffold7943	NW_004521039.1	583	CC	GG	GG	INTERGENIC		
SNP_82208B_593	scaffold7943	NW_004521039.1	593	TT	CC	CC	INTERGENIC		
SNP_82209B_388	scaffold7958	NW_004521048.1	388	GG	TT	TT	INTERGENIC		
SNP_82210B_512	scaffold7958	NW_004521048.1	512	TT	CC	CC	INTERGENIC		
SNP_82211B_612	scaffold7958	NW_004521048.1	612	CC	AA	AA	INTERGENIC		
SNP_82212B_745	scaffold7958	NW_004521048.1	745	TT	AA	AA	INTERGENIC		
SNP_82213B_881	scaffold7958	NW_004521048.1	881	AA	TT	TT	INTERGENIC		
SNP_82214B_988	scaffold7958	NW_004521048.1	988	TT	CC	CC	INTERGENIC		
SNP_82215B_1010	scaffold7958	NW_004521048.1	1010	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_82216B_2371	scaffold7967	NW_004521052.1	2371	TT	CC	CC	URR	101498741	glutathione S-transferase T3-like
SNP_82217B_2477	scaffold7967	NW_004521052.1	2477	CC	GG	GG	URR	101498741	glutathione S-transferase T3-like
SNP_82218B_4628	scaffold7980	NW_004521057.1	4628	AA	TT	TT	INTERGENIC		
SNP_82219B_5017	scaffold7980	NW_004521057.1	5017	GG	AA	AA	INTERGENIC		
SNP_82220B_5019	scaffold7980	NW_004521057.1	5019	AA	CC	CC	INTERGENIC		
SNP_82221B_219	scaffold7985	NW_004521059.1	219	TT	CC	CC	INTERGENIC		
SNP_82222B_296	scaffold7985	NW_004521059.1	296	CC	AA	AA	INTERGENIC		
SNP_82224B_572	scaffold7985	NW_004521059.1	572	AA	GG	GG	INTERGENIC		
SNP_82225B_618	scaffold7985	NW_004521059.1	618	AA	GG	GG	INTERGENIC		
SNP_82226B_668	scaffold7985	NW_004521059.1	668	TT	CC	CC	INTERGENIC		
SNP_82227B_742	scaffold7985	NW_004521059.1	742	GG	TT	TT	INTERGENIC		
SNP_82228B_747	scaffold7985	NW_004521059.1	747	CC	GG	GG	INTERGENIC		
SNP_82229B_775	scaffold7985	NW_004521059.1	775	AA	TT	TT	INTERGENIC		
SNP_82230B_785	scaffold7985	NW_004521059.1	785	TT	GG	GG	INTERGENIC		
SNP_82231B_812	scaffold7985	NW_004521059.1	812	AA	CC	CC	INTERGENIC		
SNP_82232B_817	scaffold7985	NW_004521059.1	817	CC	TT	TT	INTERGENIC		
SNP_82233B_824	scaffold7985	NW_004521059.1	824	TT	CC	CC	INTERGENIC		
SNP_82234B_856	scaffold7985	NW_004521059.1	856	TT	CC	CC	INTERGENIC		
SNP_82235B_860	scaffold7985	NW_004521059.1	860	TT	CC	CC	INTERGENIC		
SNP_82236B_1111	scaffold7985	NW_004521059.1	1111	TT	GG	GG	INTERGENIC		
SNP_82237B_1136	scaffold7985	NW_004521059.1	1136	TT	CC	CC	INTERGENIC		
SNP_82238B_1171	scaffold7985	NW_004521059.1	1171	TT	CC	CC	INTERGENIC		
SNP_82239B_1189	scaffold7985	NW_004521059.1	1189	AA	GG	GG	INTERGENIC		
SNP_82240B_1233	scaffold7985	NW_004521059.1	1233	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_82241B_1270	scaffold7985	NW_004521059.1	1270	AA	GG	GG	INTERGENIC		
SNP_82242B_21124	scaffold7985	NW_004521059.1	21124	GG	CC	CC	INTERGENIC		
SNP_82243B_348	scaffold7989	NW_004521062.1	348	TT	CC	CC	INTERGENIC		
SNP_82244B_488	scaffold7989	NW_004521062.1	488	TT	AA	AA	INTERGENIC		
SNP_82245B_446	scaffold7990	NW_004521063.1	446	AA	GG	GG	INTERGENIC		
SNP_82246B_473	scaffold7990	NW_004521063.1	473	CC	TT	TT	INTERGENIC		
SNP_82247B_840	scaffold7990	NW_004521063.1	840	AA	TT	TT	INTERGENIC		
SNP_82248B_929	scaffold7990	NW_004521063.1	929	TT	GG	GG	INTERGENIC		
SNP_82249B_1248	scaffold7990	NW_004521063.1	1248	TT	AA	AA	INTERGENIC		
SNP_82250B_1406	scaffold7990	NW_004521063.1	1406	GG	TT	TT	INTERGENIC		
SNP_82251B_1281	scaffold7997	NW_004521069.1	1281	AA	GG	GG	INTERGENIC		
SNP_82252B_4616	scaffold8004	NW_004521071.1	4616	AA	GG	GG	INTERGENIC		
SNP_82253B_4622	scaffold8004	NW_004521071.1	4622	AA	CC	CC	INTERGENIC		
SNP_82254B_238	scaffold8015	NW_004521076.1	238	TT	CC	CC	INTERGENIC		
SNP_82255B_496	scaffold8015	NW_004521076.1	496	AA	GG	GG	INTERGENIC		
SNP_82256B_2939	scaffold8018	NW_004521079.1	2939	AA	TT	TT	INTERGENIC		
SNP_82257B_7100	scaffold8018	NW_004521079.1	7100	TT	AA	AA	INTERGENIC		
SNP_82258B_7678	scaffold8018	NW_004521079.1	7678	TT	GG	GG	INTERGENIC		
SNP_82259B_7687	scaffold8018	NW_004521079.1	7687	CC	TT	TT	INTERGENIC		
SNP_82260B_577	scaffold8023	NW_004521080.1	577	GG	CC	CC	INTERGENIC		
SNP_82261B_652	scaffold8023	NW_004521080.1	652	GG	AA	AA	INTERGENIC		
SNP_82262B_699	scaffold8023	NW_004521080.1	699	CC	TT	TT	INTERGENIC		
SNP_82263B_5247	scaffold8030	NW_004521083.1	5247	CC	GG	GG	INTERGENIC		
SNP_82264B_5356	scaffold8030	NW_004521083.1	5356	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_82265B_5378	scaffold8030	NW_004521083.1	5378	AA	GG	GG	INTERGENIC		
SNP_82266B_5380	scaffold8030	NW_004521083.1	5380	CC	TT	TT	INTERGENIC		
SNP_82267B_5557	scaffold8030	NW_004521083.1	5557	TT	CC	CC	INTERGENIC		
SNP_82268B_6587	scaffold8030	NW_004521083.1	6587	CC	TT	TT	INTERGENIC		
SNP_82269B_89	scaffold8050	NW_004521092.1	89	AA	CC	CC	INTERGENIC		
SNP_82270B_1004	scaffold8050	NW_004521092.1	1004	GG	TT	TT	INTERGENIC		
SNP_82271B_1034	scaffold8050	NW_004521092.1	1034	AA	TT	TT	INTERGENIC		
SNP_82272B_1327	scaffold8050	NW_004521092.1	1327	TT	AA	AA	INTERGENIC		
SNP_82273B_1342	scaffold8050	NW_004521092.1	1342	TT	CC	CC	INTERGENIC		
SNP_82274B_1480	scaffold8050	NW_004521092.1	1480	CC	TT	TT	INTERGENIC		
SNP_82275B_1344	scaffold8052	NW_004521094.1	1344	TT	CC	CC	INTERGENIC		
SNP_82276B_295	scaffold8054	NW_004521095.1	295	AA	GG	GG	INTERGENIC		
SNP_82277B_430	scaffold8054	NW_004521095.1	430	AA	GG	GG	INTERGENIC		
SNP_82278B_545	scaffold8054	NW_004521095.1	545	GG	AA	AA	INTERGENIC		
SNP_82279B_746	scaffold8054	NW_004521095.1	746	TT	AA	AA	INTERGENIC		
SNP_82280B_1755	scaffold8054	NW_004521095.1	1755	AA	GG	GG	INTERGENIC		
SNP_82281B_1881	scaffold8054	NW_004521095.1	1881	TT	AA	AA	INTERGENIC		
SNP_82283B_2045	scaffold8054	NW_004521095.1	2045	CC	GG	GG	INTERGENIC		
SNP_82284B_3129	scaffold8054	NW_004521095.1	3129	CC	AA	AA	INTERGENIC		
SNP_82285B_3267	scaffold8054	NW_004521095.1	3267	CC	GG	GG	INTERGENIC		
SNP_82286B_3632	scaffold8054	NW_004521095.1	3632	TT	CC	CC	INTERGENIC		
SNP_82287B_3770	scaffold8054	NW_004521095.1	3770	CC	TT	TT	INTERGENIC		
SNP_82288B_532	scaffold8063	NW_004521100.1	532	AA	GG	GG	INTERGENIC		
SNP_82290B_574	scaffold8063	NW_004521100.1	574	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_82291B_576	scaffold8063	NW_004521100.1	576	CC	AA	AA	INTERGENIC		
SNP_82292B_233	scaffold8066	NW_004521102.1	233	CC	AA	AA	INTERGENIC		
SNP_82293B_445	scaffold8068	NW_004521103.1	445	GG	AA	AA	INTERGENIC		
SNP_82294B_478	scaffold8068	NW_004521103.1	478	TT	CC	CC	INTERGENIC		
SNP_82295B_557	scaffold8068	NW_004521103.1	557	TT	AA	AA	INTERGENIC		
SNP_82296B_724	scaffold8068	NW_004521103.1	724	GG	AA	AA	INTERGENIC		
SNP_82297B_754	scaffold8068	NW_004521103.1	754	AA	TT	TT	INTERGENIC		
SNP_82298B_755	scaffold8068	NW_004521103.1	755	CC	TT	TT	INTERGENIC		
SNP_82299B_788	scaffold8068	NW_004521103.1	788	AA	CC	CC	INTERGENIC		
SNP_82300B_789	scaffold8068	NW_004521103.1	789	AA	GG	GG	INTERGENIC		
SNP_82301B_793	scaffold8068	NW_004521103.1	793	GG	CC	CC	INTERGENIC		
SNP_82302B_870	scaffold8068	NW_004521103.1	870	AA	GG	GG	INTERGENIC		
SNP_82303B_872	scaffold8068	NW_004521103.1	872	CC	AA	AA	INTERGENIC		
SNP_82304B_894	scaffold8068	NW_004521103.1	894	CC	GG	GG	INTERGENIC		
SNP_82305B_952	scaffold8068	NW_004521103.1	952	GG	AA	AA	INTERGENIC		
SNP_82306B_964	scaffold8068	NW_004521103.1	964	GG	CC	CC	INTERGENIC		
SNP_82307B_1077	scaffold8068	NW_004521103.1	1077	AA	GG	GG	INTERGENIC		
SNP_82308B_759	scaffold8087	NW_004521111.1	759	AA	CC	CC	INTERGENIC		
SNP_82309B_640	scaffold8104	NW_004521119.1	640	AA	TT	TT	INTERGENIC		
SNP_82310B_8285	scaffold8127	NW_004521128.1	8285	TT	CC	CC	INTERGENIC		
SNP_82311B_8307	scaffold8127	NW_004521128.1	8307	TT	CC	CC	INTERGENIC		
SNP_82312B_563	scaffold8131	NW_004521130.1	563	GG	CC	CC	INTERGENIC		
SNP_82313B_725	scaffold8131	NW_004521130.1	725	AA	TT	TT	INTERGENIC		
SNP_82314B_2729	scaffold8131	NW_004521130.1	2729	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_82315B_2774	scaffold8131	NW_004521130.1	2774	AA	TT	TT	INTERGENIC		
SNP_82317B_70	scaffold8135	NW_004521132.1	70	GG	AA	AA	INTERGENIC		
SNP_82318B_86	scaffold8135	NW_004521132.1	86	TT	CC	CC	INTERGENIC		
SNP_82319B_882	scaffold8146	NW_004521138.1	882	AA	GG	GG	INTERGENIC		
SNP_82320B_1826	scaffold8154	NW_004521141.1	1826	AA	TT	TT	INTERGENIC		
SNP_82321B_1835	scaffold8154	NW_004521141.1	1835	TT	AA	AA	INTERGENIC		
SNP_82322B_1858	scaffold8154	NW_004521141.1	1858	TT	AA	AA	INTERGENIC		
SNP_82323B_1871	scaffold8154	NW_004521141.1	1871	AA	GG	GG	INTERGENIC		
SNP_82324B_1887	scaffold8154	NW_004521141.1	1887	GG	AA	AA	INTERGENIC		
SNP_82325B_1896	scaffold8154	NW_004521141.1	1896	CC	GG	GG	INTERGENIC		
SNP_82326B_1898	scaffold8154	NW_004521141.1	1898	AA	GG	GG	INTERGENIC		
SNP_82327B_591	scaffold8162	NW_004521146.1	591	CC	TT	TT	INTERGENIC		
SNP_82328B_915	scaffold8162	NW_004521146.1	915	AA	GG	GG	INTERGENIC		
SNP_82329B_965	scaffold8162	NW_004521146.1	965	GG	TT	TT	INTERGENIC		
SNP_82330B_1064	scaffold8162	NW_004521146.1	1064	AA	GG	GG	INTERGENIC		
SNP_82331B_210	scaffold8163	NW_004521147.1	210	TT	CC	CC	INTERGENIC		
SNP_82332B_234	scaffold8163	NW_004521147.1	234	GG	AA	AA	INTERGENIC		
SNP_82333B_291	scaffold8163	NW_004521147.1	291	GG	AA	AA	INTERGENIC		
SNP_82334B_300	scaffold8163	NW_004521147.1	300	TT	AA	AA	INTERGENIC		
SNP_82335B_369	scaffold8163	NW_004521147.1	369	AA	GG	GG	INTERGENIC		
SNP_82336B_398	scaffold8163	NW_004521147.1	398	GG	AA	AA	INTERGENIC		
SNP_82337B_619	scaffold8163	NW_004521147.1	619	AA	GG	GG	INTERGENIC		
SNP_82338B_632	scaffold8163	NW_004521147.1	632	TT	CC	CC	INTERGENIC		
SNP_82339B_638	scaffold8163	NW_004521147.1	638	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_82340B_665	scaffold8163	NW_004521147.1	665	GG	AA	AA	INTERGENIC		
SNP_82341B_681	scaffold8164	NW_004521148.1	681	TT	GG	GG	INTERGENIC		
SNP_82342B_2470	scaffold8164	NW_004521148.1	2470	CC	TT	TT	INTERGENIC		
SNP_82343B_2685	scaffold8164	NW_004521148.1	2685	GG	TT	TT	INTERGENIC		
SNP_82344B_3483	scaffold8164	NW_004521148.1	3483	AA	TT	TT	INTERGENIC		
SNP_82345B_4558	scaffold8164	NW_004521148.1	4558	GG	TT	TT	INTERGENIC		
SNP_82346B_4565	scaffold8164	NW_004521148.1	4565	AA	TT	TT	INTERGENIC		
SNP_82347B_64	scaffold8168	NW_004521150.1	64	AA	CC	CC	INTERGENIC		
SNP_82348B_733	scaffold8181	NW_004521158.1	733	AA	TT	TT	INTERGENIC		
SNP_82349B_1245	scaffold8182	NW_004521159.1	1245	TT	CC	CC	INTERGENIC		
SNP_82350B_1271	scaffold8182	NW_004521159.1	1271	TT	GG	GG	INTERGENIC		
SNP_82351B_1563	scaffold8182	NW_004521159.1	1563	CC	GG	GG	INTERGENIC		
SNP_82352B_486	scaffold8185	NW_004521161.1	486	TT	CC	CC	INTERGENIC		
SNP_82353B_531	scaffold8185	NW_004521161.1	531	TT	GG	GG	INTERGENIC		
SNP_82354B_591	scaffold8185	NW_004521161.1	591	AA	TT	TT	INTERGENIC		
SNP_82355B_598	scaffold8185	NW_004521161.1	598	TT	CC	CC	INTERGENIC		
SNP_82356B_617	scaffold8185	NW_004521161.1	617	TT	CC	CC	INTERGENIC		
SNP_82357B_661	scaffold8185	NW_004521161.1	661	AA	GG	GG	INTERGENIC		
SNP_82358B_1076	scaffold8196	NW_004521167.1	1076	CC	TT	TT	INTERGENIC		
SNP_82359B_426	scaffold8200	NW_004521169.1	426	TT	AA	AA	INTERGENIC		
SNP_82360B_456	scaffold8200	NW_004521169.1	456	CC	TT	TT	INTERGENIC		
SNP_82362B_742	scaffold8200	NW_004521169.1	742	GG	AA	AA	INTERGENIC		
SNP_82363B_1011	scaffold8200	NW_004521169.1	1011	CC	TT	TT	INTERGENIC		
SNP_82364B_361	scaffold8207	NW_004521173.1	361	CC	TT	TT	NON_SYNONYMOUS_CODING	101499061	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_82365B_440	scaffold8207	NW_004521173.1	440	AA	TT	TT	SYNONYMOUS_CODING	101499061	Unknown function
SNP_82366B_636	scaffold8207	NW_004521173.1	636	AA	GG	GG	URR	101499061	Unknown function
SNP_82367B_700	scaffold8207	NW_004521173.1	700	GG	AA	AA	URR	101499061	Unknown function
SNP_82368B_707	scaffold8207	NW_004521173.1	707	GG	AA	AA	URR	101499061	Unknown function
SNP_82369B_977	scaffold8207	NW_004521173.1	977	AA	GG	GG	URR	101499061	Unknown function
SNP_82370B_1045	scaffold8207	NW_004521173.1	1045	AA	CC	CC	URR	101499061	Unknown function
SNP_82371B_751	scaffold8210	NW_004521174.1	751	TT	GG	GG	INTERGENIC		
SNP_82372B_1062	scaffold8210	NW_004521174.1	1062	AA	GG	GG	INTERGENIC		
SNP_82373B_1180	scaffold8232	NW_004521186.1	1180	AA	CC	CC	INTERGENIC		
SNP_82374B_2178	scaffold8241	NW_004521193.1	2178	AA	TT	TT	INTERGENIC		
SNP_82375B_780	scaffold8244	NW_004521195.1	780	GG	AA	AA	INTERGENIC		
SNP_82376B_3415	scaffold8253	NW_004521201.1	3415	GG	CC	CC	INTERGENIC		
SNP_82377B_3416	scaffold8253	NW_004521201.1	3416	AA	CC	CC	INTERGENIC		
SNP_82378B_3695	scaffold8253	NW_004521201.1	3695	GG	AA	AA	INTERGENIC		
SNP_82379B_58	scaffold8274	NW_004521214.1	58	GG	AA	AA	INTERGENIC		
SNP_82380B_64	scaffold8274	NW_004521214.1	64	AA	GG	GG	INTERGENIC		
SNP_82381B_123	scaffold8274	NW_004521214.1	123	AA	GG	GG	INTERGENIC		
SNP_82382B_124	scaffold8274	NW_004521214.1	124	AA	TT	TT	INTERGENIC		
SNP_82383B_263	scaffold8275	NW_004521215.1	263	GG	AA	AA	INTERGENIC		
SNP_82384B_391	scaffold8275	NW_004521215.1	391	TT	GG	GG	INTERGENIC		
SNP_82385B_483	scaffold8275	NW_004521215.1	483	GG	CC	CC	INTERGENIC		
SNP_82386B_510	scaffold8275	NW_004521215.1	510	TT	CC	CC	INTERGENIC		
SNP_82387B_346	scaffold8292	NW_004521221.1	346	TT	CC	CC	INTERGENIC		
SNP_82388B_242	scaffold8294	NW_004521222.1	242	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_82389B_360	scaffold8294	NW_004521222.1	360	GG	AA	AA	INTERGENIC		
SNP_82390B_536	scaffold8294	NW_004521222.1	536	CC	AA	AA	INTERGENIC		
SNP_82391B_31	scaffold8297	NW_004521223.1	31	AA	GG	GG	INTERGENIC		
SNP_82392B_79	scaffold8297	NW_004521223.1	79	TT	GG	GG	INTERGENIC		
SNP_82394B_161	scaffold8297	NW_004521223.1	161	TT	CC	CC	INTERGENIC		
SNP_82395B_162	scaffold8297	NW_004521223.1	162	GG	AA	AA	INTERGENIC		
SNP_82396B_241	scaffold8297	NW_004521223.1	241	GG	CC	CC	INTERGENIC		
SNP_82398B_425	scaffold8297	NW_004521223.1	425	GG	AA	AA	INTERGENIC		
SNP_82399B_1454	scaffold8297	NW_004521223.1	1454	CC	TT	TT	INTERGENIC		
SNP_82400B_1919	scaffold8297	NW_004521223.1	1919	CC	AA	AA	INTERGENIC		
SNP_82401B_1923	scaffold8297	NW_004521223.1	1923	TT	AA	AA	INTERGENIC		
SNP_82402B_1924	scaffold8297	NW_004521223.1	1924	TT	AA	AA	INTERGENIC		
SNP_82403B_1997	scaffold8297	NW_004521223.1	1997	CC	AA	AA	INTERGENIC		
SNP_82404B_2805	scaffold8297	NW_004521223.1	2805	AA	TT	TT	INTERGENIC		
SNP_82405B_2935	scaffold8297	NW_004521223.1	2935	CC	AA	AA	INTERGENIC		
SNP_82406B_3191	scaffold8297	NW_004521223.1	3191	GG	AA	AA	INTERGENIC		
SNP_82407B_3281	scaffold8297	NW_004521223.1	3281	TT	CC	CC	INTERGENIC		
SNP_82408B_3291	scaffold8297	NW_004521223.1	3291	GG	AA	AA	INTERGENIC		
SNP_82409B_6608	scaffold8301	NW_004521224.1	6608	GG	TT	TT	INTERGENIC		
SNP_82410B_6624	scaffold8301	NW_004521224.1	6624	AA	TT	TT	INTERGENIC		
SNP_82411B_6689	scaffold8301	NW_004521224.1	6689	CC	TT	TT	INTERGENIC		
SNP_82412B_6762	scaffold8301	NW_004521224.1	6762	TT	CC	CC	INTERGENIC		
SNP_82413B_480	scaffold8305	NW_004521227.1	480	TT	GG	GG	INTERGENIC		
SNP_82414B_64	scaffold8306	NW_004521228.1	64	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_82416B_542	scaffold8314	NW_004521234.1	542	TT	CC	CC	INTERGENIC		
SNP_82417B_614	scaffold8314	NW_004521234.1	614	AA	TT	TT	INTERGENIC		
SNP_82418B_637	scaffold8314	NW_004521234.1	637	GG	AA	AA	INTERGENIC		
SNP_82419B_703	scaffold8314	NW_004521234.1	703	AA	GG	GG	INTERGENIC		
SNP_82420B_718	scaffold8314	NW_004521234.1	718	GG	AA	AA	INTERGENIC		
SNP_82421B_849	scaffold8314	NW_004521234.1	849	AA	CC	CC	INTERGENIC		
SNP_82422B_856	scaffold8314	NW_004521234.1	856	AA	GG	GG	INTERGENIC		
SNP_82424B_914	scaffold8314	NW_004521234.1	914	AA	GG	GG	INTERGENIC		
SNP_82425B_930	scaffold8314	NW_004521234.1	930	GG	AA	AA	INTERGENIC		
SNP_82426B_951	scaffold8314	NW_004521234.1	951	TT	CC	CC	INTERGENIC		
SNP_82427B_958	scaffold8314	NW_004521234.1	958	GG	CC	CC	INTERGENIC		
SNP_82428B_972	scaffold8314	NW_004521234.1	972	GG	AA	AA	INTERGENIC		
SNP_82429B_1019	scaffold8314	NW_004521234.1	1019	AA	GG	GG	INTERGENIC		
SNP_82430B_1107	scaffold8314	NW_004521234.1	1107	TT	AA	AA	INTERGENIC		
SNP_82431B_1177	scaffold8314	NW_004521234.1	1177	TT	GG	GG	INTERGENIC		
SNP_82432B_1212	scaffold8314	NW_004521234.1	1212	CC	AA	AA	INTERGENIC		
SNP_82433B_1238	scaffold8314	NW_004521234.1	1238	TT	GG	GG	INTERGENIC		
SNP_82435B_1355	scaffold8314	NW_004521234.1	1355	CC	TT	TT	INTERGENIC		
SNP_82436B_17533	scaffold8315	NW_004521235.1	17533	TT	CC	CC	INTERGENIC		
SNP_82437B_18003	scaffold8315	NW_004521235.1	18003	GG	AA	AA	INTERGENIC		
SNP_82438B_18252	scaffold8315	NW_004521235.1	18252	AA	TT	TT	INTERGENIC		
SNP_82439B_18316	scaffold8315	NW_004521235.1	18316	AA	GG	GG	INTERGENIC		
SNP_82440B_18384	scaffold8315	NW_004521235.1	18384	TT	GG	GG	INTERGENIC		
SNP_82441B_18573	scaffold8315	NW_004521235.1	18573	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_82443B_19284	scaffold8315	NW_004521235.1	19284	AA	CC	CC	INTERGENIC		
SNP_82444B_19625	scaffold8315	NW_004521235.1	19625	CC	TT	TT	INTERGENIC		
SNP_82445B_19915	scaffold8315	NW_004521235.1	19915	CC	TT	TT	INTERGENIC		
SNP_82446B_20215	scaffold8315	NW_004521235.1	20215	CC	AA	AA	INTERGENIC		
SNP_82447B_20440	scaffold8315	NW_004521235.1	20440	GG	TT	TT	INTERGENIC		
SNP_82449B_20517	scaffold8315	NW_004521235.1	20517	TT	CC	CC	INTERGENIC		
SNP_82450B_20573	scaffold8315	NW_004521235.1	20573	TT	GG	GG	INTERGENIC		
SNP_82451B_20645	scaffold8315	NW_004521235.1	20645	TT	GG	GG	INTERGENIC		
SNP_82452B_20711	scaffold8315	NW_004521235.1	20711	CC	TT	TT	INTERGENIC		
SNP_82453B_20827	scaffold8315	NW_004521235.1	20827	TT	GG	GG	INTERGENIC		
SNP_82454B_900	scaffold8332	NW_004521245.1	900	TT	CC	CC	INTERGENIC		
SNP_82455B_1045	scaffold8332	NW_004521245.1	1045	GG	TT	TT	INTERGENIC		
SNP_82456B_454	scaffold8340	NW_004521250.1	454	GG	TT	TT	INTERGENIC		
SNP_82457B_483	scaffold8340	NW_004521250.1	483	CC	TT	TT	INTERGENIC		
SNP_82458B_659	scaffold8340	NW_004521250.1	659	AA	CC	CC	INTERGENIC		
SNP_82459B_89	scaffold8357	NW_004521257.1	89	AA	GG	GG	INTERGENIC		
SNP_82460B_342	scaffold8357	NW_004521257.1	342	TT	AA	AA	INTERGENIC		
SNP_82461B_412	scaffold8357	NW_004521257.1	412	GG	TT	TT	INTERGENIC		
SNP_82462B_814	scaffold8357	NW_004521257.1	814	GG	AA	AA	INTERGENIC		
SNP_82463B_852	scaffold8357	NW_004521257.1	852	CC	AA	AA	INTERGENIC		
SNP_82464B_856	scaffold8357	NW_004521257.1	856	GG	AA	AA	INTERGENIC		
SNP_82465B_504	scaffold8366	NW_004521261.1	504	CC	TT	TT	INTERGENIC		
SNP_82466B_1442	scaffold8366	NW_004521261.1	1442	AA	TT	TT	INTERGENIC		
SNP_82467B_503	scaffold8368	NW_004521263.1	503	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_82468B_619	scaffold8368	NW_004521263.1	619	AA	GG	GG	INTERGENIC		
SNP_82469B_976	scaffold8368	NW_004521263.1	976	AA	GG	GG	INTERGENIC		
SNP_82470B_876	scaffold8378	NW_004521268.1	876	GG	AA	AA	INTERGENIC		
SNP_82471B_912	scaffold8378	NW_004521268.1	912	GG	AA	AA	INTERGENIC		
SNP_82472B_984	scaffold8378	NW_004521268.1	984	GG	AA	AA	INTERGENIC		
SNP_82473B_1832	scaffold8378	NW_004521268.1	1832	GG	AA	AA	INTERGENIC		
SNP_82475B_222	scaffold8380	NW_004521270.1	222	GG	AA	AA	INTERGENIC		
SNP_82477B_537	scaffold8380	NW_004521270.1	537	GG	AA	AA	INTERGENIC		
SNP_82478B_546	scaffold8380	NW_004521270.1	546	AA	GG	GG	INTERGENIC		
SNP_82479B_671	scaffold8380	NW_004521270.1	671	TT	CC	CC	INTERGENIC		
SNP_82480B_674	scaffold8380	NW_004521270.1	674	TT	AA	AA	INTERGENIC		
SNP_82482B_89	scaffold8385	NW_004521273.1	89	TT	AA	AA	INTERGENIC		
SNP_82483B_141	scaffold8385	NW_004521273.1	141	TT	GG	GG	INTERGENIC		
SNP_82484B_146	scaffold8385	NW_004521273.1	146	GG	CC	CC	INTERGENIC		
SNP_82485B_276	scaffold8385	NW_004521273.1	276	TT	AA	AA	INTERGENIC		
SNP_82486B_279	scaffold8385	NW_004521273.1	279	TT	CC	CC	INTERGENIC		
SNP_82487B_373	scaffold8385	NW_004521273.1	373	CC	TT	TT	INTERGENIC		
SNP_82488B_396	scaffold8385	NW_004521273.1	396	CC	TT	TT	INTERGENIC		
SNP_82489B_435	scaffold8385	NW_004521273.1	435	CC	AA	AA	INTERGENIC		
SNP_82490B_1094	scaffold8393	NW_004521276.1	1094	TT	AA	AA	INTERGENIC		
SNP_82491B_1134	scaffold8393	NW_004521276.1	1134	CC	AA	AA	INTERGENIC		
SNP_82492B_1323	scaffold8393	NW_004521276.1	1323	AA	GG	GG	INTERGENIC		
SNP_82493B_1440	scaffold8393	NW_004521276.1	1440	CC	AA	AA	INTERGENIC		
SNP_82494B_692	scaffold8403	NW_004521281.1	692	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_82495B_965	scaffold8406	NW_004521283.1	965	CC	AA	AA	INTERGENIC		
SNP_82497B_1010	scaffold8412	NW_004521284.1	1010	AA	TT	TT	INTERGENIC		
SNP_82498B_1225	scaffold8412	NW_004521284.1	1225	AA	GG	GG	INTERGENIC		
SNP_82499B_403	scaffold8421	NW_004521286.1	403	AA	TT	TT	INTERGENIC		
SNP_82501B_1779	scaffold8442	NW_004521292.1	1779	TT	AA	AA	INTERGENIC		
SNP_82502B_1871	scaffold8442	NW_004521292.1	1871	TT	CC	CC	INTERGENIC		
SNP_82503B_1948	scaffold8442	NW_004521292.1	1948	GG	AA	AA	INTERGENIC		
SNP_82504B_1982	scaffold8442	NW_004521292.1	1982	AA	CC	CC	INTERGENIC		
SNP_82506B_2935	scaffold8442	NW_004521292.1	2935	TT	CC	CC	INTERGENIC		
SNP_82507B_4874	scaffold8445	NW_004521294.1	4874	AA	CC	CC	DRR	101499681	uncharacterized LOC101499681
SNP_82508B_4920	scaffold8445	NW_004521294.1	4920	AA	CC	CC	DRR	101499681	uncharacterized LOC101499681
SNP_82509B_4944	scaffold8445	NW_004521294.1	4944	TT	CC	CC	DRR	101499681	uncharacterized LOC101499681
SNP_82510B_5063	scaffold8445	NW_004521294.1	5063	TT	AA	AA	SYNONYMOUS_CODING	101499681	uncharacterized LOC101499681
SNP_82511B_5129	scaffold8445	NW_004521294.1	5129	TT	GG	GG	SYNONYMOUS_CODING	101499681	uncharacterized LOC101499681
SNP_82512B_5148	scaffold8445	NW_004521294.1	5148	CC	TT	TT	STOP_GAINED	101499681	uncharacterized LOC101499681
SNP_82513B_5274	scaffold8445	NW_004521294.1	5274	GG	CC	CC	NON_SYNONYMOUS_CODING	101499681	uncharacterized LOC101499681
SNP_82514B_5389	scaffold8445	NW_004521294.1	5389	CC	TT	TT	URR	101499681	uncharacterized LOC101499681
SNP_82515B_5528	scaffold8445	NW_004521294.1	5528	AA	GG	GG	URR	101499681	uncharacterized LOC101499681
SNP_82516B_5641	scaffold8445	NW_004521294.1	5641	TT	AA	AA	URR	101499681	uncharacterized LOC101499681
SNP_82518B_5780	scaffold8445	NW_004521294.1	5780	AA	TT	TT	URR	101499681	uncharacterized LOC101499681
SNP_82519B_5815	scaffold8445	NW_004521294.1	5815	CC	AA	AA	URR	101499681	uncharacterized LOC101499681
SNP_82520B_5971	scaffold8445	NW_004521294.1	5971	TT	AA	AA	URR	101499681	uncharacterized LOC101499681
SNP_82521B_6044	scaffold8445	NW_004521294.1	6044	CC	AA	AA	URR	101499681	uncharacterized LOC101499681
SNP_82522B_6092	scaffold8445	NW_004521294.1	6092	AA	TT	TT	URR	101499681	uncharacterized LOC101499681

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_82523B_6186	scaffold8445	NW_004521294.1	6186	CC	AA	AA	URR	101499681	uncharacterized LOC101499681
SNP_82524B_360	scaffold8455	NW_004521297.1	360	TT	AA	AA	INTERGENIC		
SNP_82525B_384	scaffold8455	NW_004521297.1	384	GG	AA	AA	INTERGENIC		
SNP_82526B_667	scaffold8455	NW_004521297.1	667	CC	TT	TT	INTERGENIC		
SNP_82527B_713	scaffold8455	NW_004521297.1	713	GG	AA	AA	INTERGENIC		
SNP_82528B_714	scaffold8455	NW_004521297.1	714	GG	AA	AA	INTERGENIC		
SNP_82529B_731	scaffold8455	NW_004521297.1	731	GG	TT	TT	INTERGENIC		
SNP_82530B_2731	scaffold8461	NW_004521301.1	2731	AA	TT	TT	INTERGENIC		
SNP_82531B_64	scaffold8469	NW_004521306.1	64	AA	GG	GG	INTERGENIC		
SNP_82532B_220	scaffold8469	NW_004521306.1	220	GG	AA	AA	INTERGENIC		
SNP_82533B_227	scaffold8469	NW_004521306.1	227	AA	GG	GG	INTERGENIC		
SNP_82534B_375	scaffold8469	NW_004521306.1	375	GG	CC	CC	INTERGENIC		
SNP_82535B_468	scaffold8469	NW_004521306.1	468	GG	CC	CC	INTERGENIC		
SNP_82536B_354	scaffold8471	NW_004521307.1	354	GG	TT	TT	INTERGENIC		
SNP_82537B_64	scaffold8479	NW_004521313.1	64	AA	GG	GG	INTERGENIC		
SNP_82538B_116	scaffold8479	NW_004521313.1	116	GG	CC	CC	INTERGENIC		
SNP_82539B_147	scaffold8479	NW_004521313.1	147	CC	TT	TT	INTERGENIC		
SNP_82540B_160	scaffold8479	NW_004521313.1	160	TT	AA	AA	INTERGENIC		
SNP_82541B_243	scaffold8479	NW_004521313.1	243	CC	TT	TT	INTERGENIC		
SNP_82542B_326	scaffold8479	NW_004521313.1	326	AA	TT	TT	INTERGENIC		
SNP_82543B_352	scaffold8479	NW_004521313.1	352	CC	TT	TT	INTERGENIC		
SNP_82544B_510	scaffold8479	NW_004521313.1	510	GG	CC	CC	INTERGENIC		
SNP_82545B_560	scaffold8479	NW_004521313.1	560	AA	GG	GG	INTERGENIC		
SNP_82546B_706	scaffold8479	NW_004521313.1	706	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_82547B_840	scaffold8479	NW_004521313.1	840	AA	TT	TT	INTERGENIC		
SNP_82548B_900	scaffold8479	NW_004521313.1	900	TT	GG	GG	INTERGENIC		
SNP_82549B_972	scaffold8479	NW_004521313.1	972	CC	AA	AA	INTERGENIC		
SNP_82550B_1108	scaffold8479	NW_004521313.1	1108	CC	TT	TT	INTERGENIC		
SNP_82551B_1110	scaffold8479	NW_004521313.1	1110	CC	TT	TT	INTERGENIC		
SNP_82552B_1170	scaffold8479	NW_004521313.1	1170	CC	TT	TT	INTERGENIC		
SNP_82553B_1601	scaffold8479	NW_004521313.1	1601	GG	AA	AA	INTERGENIC		
SNP_82554B_1602	scaffold8479	NW_004521313.1	1602	TT	AA	AA	INTERGENIC		
SNP_82555B_1603	scaffold8479	NW_004521313.1	1603	TT	AA	AA	INTERGENIC		
SNP_82556B_1706	scaffold8479	NW_004521313.1	1706	TT	CC	CC	INTERGENIC		
SNP_82557B_1776	scaffold8479	NW_004521313.1	1776	CC	TT	TT	INTERGENIC		
SNP_82558B_1796	scaffold8479	NW_004521313.1	1796	AA	GG	GG	INTERGENIC		
SNP_82559B_4027	scaffold8493	NW_004521320.1	4027	GG	AA	AA	INTERGENIC		
SNP_82560B_4139	scaffold8493	NW_004521320.1	4139	GG	AA	AA	INTERGENIC		
SNP_82561B_4170	scaffold8493	NW_004521320.1	4170	GG	AA	AA	INTERGENIC		
SNP_82562B_4173	scaffold8493	NW_004521320.1	4173	GG	TT	TT	INTERGENIC		
SNP_82563B_4175	scaffold8493	NW_004521320.1	4175	AA	GG	GG	INTERGENIC		
SNP_82564B_4181	scaffold8493	NW_004521320.1	4181	GG	CC	CC	INTERGENIC		
SNP_82565B_4183	scaffold8493	NW_004521320.1	4183	TT	CC	CC	INTERGENIC		
SNP_82566B_4190	scaffold8493	NW_004521320.1	4190	GG	AA	AA	INTERGENIC		
SNP_82567B_5858	scaffold8493	NW_004521320.1	5858	TT	AA	AA	INTERGENIC		
SNP_82568B_7150	scaffold8493	NW_004521320.1	7150	TT	CC	CC	INTERGENIC		
SNP_82569B_8321	scaffold8493	NW_004521320.1	8321	CC	TT	TT	INTERGENIC		
SNP_82571B_9834	scaffold8493	NW_004521320.1	9834	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_82572B_9969	scaffold8493	NW_004521320.1	9969	AA	TT	TT	INTERGENIC		
SNP_82573B_10594	scaffold8493	NW_004521320.1	10594	GG	AA	AA	INTERGENIC		
SNP_82574B_10603	scaffold8493	NW_004521320.1	10603	GG	TT	TT	INTERGENIC		
SNP_82575B_10775	scaffold8493	NW_004521320.1	10775	TT	CC	CC	INTERGENIC		
SNP_82576B_11054	scaffold8493	NW_004521320.1	11054	CC	GG	GG	INTERGENIC		
SNP_82577B_11098	scaffold8493	NW_004521320.1	11098	TT	CC	CC	INTERGENIC		
SNP_82578B_11653	scaffold8493	NW_004521320.1	11653	TT	AA	AA	INTERGENIC		
SNP_82579B_12194	scaffold8493	NW_004521320.1	12194	AA	CC	CC	INTERGENIC		
SNP_82580B_12908	scaffold8493	NW_004521320.1	12908	TT	AA	AA	INTERGENIC		
SNP_82581B_14964	scaffold8493	NW_004521320.1	14964	GG	AA	AA	INTERGENIC		
SNP_82582B_14995	scaffold8493	NW_004521320.1	14995	GG	TT	TT	INTERGENIC		
SNP_82583B_16740	scaffold8493	NW_004521320.1	16740	AA	TT	TT	INTERGENIC		
SNP_82584B_17878	scaffold8493	NW_004521320.1	17878	GG	CC	CC	INTERGENIC		
SNP_82586B_18284	scaffold8493	NW_004521320.1	18284	GG	AA	AA	INTERGENIC		
SNP_82587B_18289	scaffold8493	NW_004521320.1	18289	CC	TT	TT	INTERGENIC		
SNP_82588B_18461	scaffold8493	NW_004521320.1	18461	CC	AA	AA	INTERGENIC		
SNP_82589B_1266	scaffold8501	NW_004521325.1	1266	AA	TT	TT	INTERGENIC		
SNP_82590B_439	scaffold8502	NW_004521326.1	439	GG	AA	AA	INTERGENIC		
SNP_82591B_90	scaffold8522	NW_004521336.1	90	GG	AA	AA	INTERGENIC		
SNP_82592B_200	scaffold8522	NW_004521336.1	200	CC	GG	GG	INTERGENIC		
SNP_82593B_356	scaffold8522	NW_004521336.1	356	TT	GG	GG	INTERGENIC		
SNP_82594B_591	scaffold8522	NW_004521336.1	591	TT	GG	GG	INTERGENIC		
SNP_82595B_91	scaffold8550	NW_004521348.1	91	TT	CC	CC	INTERGENIC		
SNP_82596B_358	scaffold8550	NW_004521348.1	358	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_82597B_396	scaffold8550	NW_004521348.1	396	AA	CC	CC	INTERGENIC		
SNP_82598B_488	scaffold8550	NW_004521348.1	488	TT	CC	CC	INTERGENIC		
SNP_82599B_663	scaffold8550	NW_004521348.1	663	GG	TT	TT	INTERGENIC		
SNP_82600B_690	scaffold8550	NW_004521348.1	690	AA	GG	GG	INTERGENIC		
SNP_82601B_731	scaffold8550	NW_004521348.1	731	CC	AA	AA	INTERGENIC		
SNP_82602B_587	scaffold8553	NW_004521350.1	587	TT	AA	AA	INTERGENIC		
SNP_82604B_876	scaffold8553	NW_004521350.1	876	AA	GG	GG	INTERGENIC		
SNP_82605B_946	scaffold8553	NW_004521350.1	946	AA	GG	GG	INTERGENIC		
SNP_82606B_958	scaffold8553	NW_004521350.1	958	TT	AA	AA	INTERGENIC		
SNP_82607B_959	scaffold8553	NW_004521350.1	959	GG	AA	AA	INTERGENIC		
SNP_82608B_472	scaffold8564	NW_004521353.1	472	CC	GG	GG	INTERGENIC		
SNP_82609B_528	scaffold8564	NW_004521353.1	528	GG	CC	CC	INTERGENIC		
SNP_82610B_6446	scaffold8565	NW_004521354.1	6446	AA	CC	CC	INTERGENIC		
SNP_82611B_6788	scaffold8565	NW_004521354.1	6788	AA	CC	CC	INTERGENIC		
SNP_82613B_6905	scaffold8565	NW_004521354.1	6905	TT	AA	AA	INTERGENIC		
SNP_82614B_7013	scaffold8565	NW_004521354.1	7013	CC	TT	TT	INTERGENIC		
SNP_82616B_7184	scaffold8565	NW_004521354.1	7184	AA	CC	CC	INTERGENIC		
SNP_82617B_7265	scaffold8565	NW_004521354.1	7265	AA	TT	TT	INTERGENIC		
SNP_82618B_64	scaffold8571	NW_004521355.1	64	GG	AA	AA	INTERGENIC		
SNP_82619B_377	scaffold8571	NW_004521355.1	377	GG	TT	TT	INTERGENIC		
SNP_82620B_509	scaffold8571	NW_004521355.1	509	TT	AA	AA	INTERGENIC		
SNP_82621B_514	scaffold8571	NW_004521355.1	514	AA	CC	CC	INTERGENIC		
SNP_82622B_548	scaffold8571	NW_004521355.1	548	TT	CC	CC	INTERGENIC		
SNP_82623B_602	scaffold8571	NW_004521355.1	602	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_82624B_1060	scaffold8571	NW_004521355.1	1060	GG	AA	AA	INTERGENIC		
SNP_82625B_6475	scaffold8572	NW_004521356.1	6475	GG	TT	TT	INTERGENIC		
SNP_82626B_958	scaffold8586	NW_004521362.1	958	AA	GG	GG	INTERGENIC		
SNP_82627B_450	scaffold8602	NW_004521370.1	450	TT	GG	GG	INTERGENIC		
SNP_82628B_64	scaffold8604	NW_004521372.1	64	AA	CC	CC	INTERGENIC		
SNP_82629B_91	scaffold8604	NW_004521372.1	91	TT	CC	CC	INTERGENIC		
SNP_82630B_101	scaffold8604	NW_004521372.1	101	AA	TT	TT	INTERGENIC		
SNP_82631B_102	scaffold8604	NW_004521372.1	102	AA	GG	GG	INTERGENIC		
SNP_82632B_108	scaffold8604	NW_004521372.1	108	AA	GG	GG	INTERGENIC		
SNP_82633B_120	scaffold8604	NW_004521372.1	120	AA	CC	CC	INTERGENIC		
SNP_82634B_245	scaffold8604	NW_004521372.1	245	CC	TT	TT	INTERGENIC		
SNP_82635B_246	scaffold8604	NW_004521372.1	246	TT	AA	AA	INTERGENIC		
SNP_82636B_375	scaffold8604	NW_004521372.1	375	CC	TT	TT	INTERGENIC		
SNP_82637B_667	scaffold8604	NW_004521372.1	667	GG	AA	AA	INTERGENIC		
SNP_82639B_770	scaffold8604	NW_004521372.1	770	AA	CC	CC	INTERGENIC		
SNP_82640B_1401	scaffold8604	NW_004521372.1	1401	AA	TT	TT	INTERGENIC		
SNP_82641B_336	scaffold8620	NW_004521377.1	336	AA	TT	TT	INTERGENIC		
SNP_82642B_629	scaffold8620	NW_004521377.1	629	GG	AA	AA	INTERGENIC		
SNP_82643B_646	scaffold8620	NW_004521377.1	646	GG	AA	AA	INTERGENIC		
SNP_82644B_699	scaffold8620	NW_004521377.1	699	GG	TT	TT	INTERGENIC		
SNP_82645B_1000	scaffold8620	NW_004521377.1	1000	AA	CC	CC	INTERGENIC		
SNP_82646B_1011	scaffold8620	NW_004521377.1	1011	GG	TT	TT	INTERGENIC		
SNP_82647B_1197	scaffold8620	NW_004521377.1	1197	TT	CC	CC	INTERGENIC		
SNP_82648B_1330	scaffold8620	NW_004521377.1	1330	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_82649B_1639	scaffold8620	NW_004521377.1	1639	TT	CC	CC	INTERGENIC		
SNP_82650B_20481	scaffold8626	NW_004521382.1	20481	CC	TT	TT	INTERGENIC		
SNP_82651B_20488	scaffold8626	NW_004521382.1	20488	GG	AA	AA	INTERGENIC		
SNP_82652B_352	scaffold8639	NW_004521388.1	352	CC	AA	AA	INTERGENIC		
SNP_82653B_541	scaffold8639	NW_004521388.1	541	AA	TT	TT	INTERGENIC		
SNP_82654B_727	scaffold8639	NW_004521388.1	727	TT	GG	GG	INTERGENIC		
SNP_82655B_758	scaffold8639	NW_004521388.1	758	GG	TT	TT	INTERGENIC		
SNP_82656B_813	scaffold8641	NW_004521390.1	813	AA	CC	CC	INTERGENIC		
SNP_82657B_814	scaffold8641	NW_004521390.1	814	CC	TT	TT	INTERGENIC		
SNP_82658B_854	scaffold8641	NW_004521390.1	854	CC	TT	TT	INTERGENIC		
SNP_82659B_432	scaffold8645	NW_004521391.1	432	GG	AA	AA	INTERGENIC		
SNP_82660B_445	scaffold8645	NW_004521391.1	445	TT	CC	CC	INTERGENIC		
SNP_82661B_659	scaffold8645	NW_004521391.1	659	TT	CC	CC	INTERGENIC		
SNP_82662B_1658	scaffold8646	NW_004521392.1	1658	AA	GG	GG	INTERGENIC		
SNP_82663B_1973	scaffold8646	NW_004521392.1	1973	CC	TT	TT	INTERGENIC		
SNP_82664B_1997	scaffold8646	NW_004521392.1	1997	AA	GG	GG	INTERGENIC		
SNP_82665B_2029	scaffold8646	NW_004521392.1	2029	GG	AA	AA	INTERGENIC		
SNP_82666B_2033	scaffold8646	NW_004521392.1	2033	CC	TT	TT	INTERGENIC		
SNP_82667B_2056	scaffold8646	NW_004521392.1	2056	TT	AA	AA	INTERGENIC		
SNP_82668B_2210	scaffold8646	NW_004521392.1	2210	CC	AA	AA	INTERGENIC		
SNP_82669B_2344	scaffold8646	NW_004521392.1	2344	CC	TT	TT	INTERGENIC		
SNP_82670B_2401	scaffold8646	NW_004521392.1	2401	GG	TT	TT	INTERGENIC		
SNP_82671B_2402	scaffold8646	NW_004521392.1	2402	GG	AA	AA	INTERGENIC		
SNP_82672B_2540	scaffold8646	NW_004521392.1	2540	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_82673B_2553	scaffold8646	NW_004521392.1	2553	TT	AA	AA	INTERGENIC		
SNP_82675B_2433	scaffold8648	NW_004521393.1	2433	CC	TT	TT	INTERGENIC		
SNP_82676B_2476	scaffold8648	NW_004521393.1	2476	TT	CC	CC	INTERGENIC		
SNP_82677B_2497	scaffold8648	NW_004521393.1	2497	AA	GG	GG	INTERGENIC		
SNP_82678B_2760	scaffold8648	NW_004521393.1	2760	AA	TT	TT	INTERGENIC		
SNP_82679B_2783	scaffold8648	NW_004521393.1	2783	CC	GG	GG	INTERGENIC		
SNP_82680B_2829	scaffold8648	NW_004521393.1	2829	CC	TT	TT	INTERGENIC		
SNP_82681B_3403	scaffold8648	NW_004521393.1	3403	AA	TT	TT	INTERGENIC		
SNP_82682B_3458	scaffold8648	NW_004521393.1	3458	CC	GG	GG	INTERGENIC		
SNP_82684B_3839	scaffold8648	NW_004521393.1	3839	TT	GG	GG	INTERGENIC		
SNP_82685B_4179	scaffold8648	NW_004521393.1	4179	AA	GG	GG	INTERGENIC		
SNP_82686B_4210	scaffold8648	NW_004521393.1	4210	TT	CC	CC	INTERGENIC		
SNP_82687B_4269	scaffold8648	NW_004521393.1	4269	TT	GG	GG	INTERGENIC		
SNP_82688B_4395	scaffold8648	NW_004521393.1	4395	CC	GG	GG	INTERGENIC		
SNP_82689B_4722	scaffold8648	NW_004521393.1	4722	TT	AA	AA	INTERGENIC		
SNP_82690B_4757	scaffold8648	NW_004521393.1	4757	AA	GG	GG	INTERGENIC		
SNP_82691B_4758	scaffold8648	NW_004521393.1	4758	AA	GG	GG	INTERGENIC		
SNP_82692B_4774	scaffold8648	NW_004521393.1	4774	TT	CC	CC	INTERGENIC		
SNP_82693B_4797	scaffold8648	NW_004521393.1	4797	CC	AA	AA	INTERGENIC		
SNP_82694B_4836	scaffold8648	NW_004521393.1	4836	CC	TT	TT	INTERGENIC		
SNP_82695B_357	scaffold8654	NW_004521398.1	357	AA	CC	CC	INTERGENIC		
SNP_82696B_385	scaffold8654	NW_004521398.1	385	AA	CC	CC	INTERGENIC		
SNP_82697B_511	scaffold8654	NW_004521398.1	511	TT	CC	CC	INTERGENIC		
SNP_82698B_5294	scaffold8654	NW_004521398.1	5294	TT	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_82699B_5555	scaffold8654	NW_004521398.1	5555	CC	AA	AA	INTERGENIC		
SNP_82700B_5661	scaffold8654	NW_004521398.1	5661	AA	TT	TT	INTERGENIC		
SNP_82701B_5684	scaffold8654	NW_004521398.1	5684	GG	TT	TT	INTERGENIC		
SNP_82702B_5746	scaffold8654	NW_004521398.1	5746	CC	GG	GG	INTERGENIC		
SNP_82703B_5828	scaffold8654	NW_004521398.1	5828	AA	CC	CC	INTERGENIC		
SNP_82704B_5880	scaffold8654	NW_004521398.1	5880	CC	AA	AA	INTERGENIC		
SNP_82705B_18	scaffold8669	NW_004521406.1	18	GG	CC	CC	INTERGENIC		
SNP_82706B_23	scaffold8669	NW_004521406.1	23	AA	GG	GG	INTERGENIC		
SNP_82707B_35	scaffold8669	NW_004521406.1	35	GG	AA	AA	INTERGENIC		
SNP_82708B_40	scaffold8669	NW_004521406.1	40	TT	AA	AA	INTERGENIC		
SNP_82709B_92	scaffold8669	NW_004521406.1	92	GG	AA	AA	INTERGENIC		
SNP_82710B_643	scaffold8669	NW_004521406.1	643	CC	AA	AA	INTERGENIC		
SNP_82711B_648	scaffold8669	NW_004521406.1	648	AA	TT	TT	INTERGENIC		
SNP_82713B_720	scaffold8669	NW_004521406.1	720	AA	CC	CC	INTERGENIC		
SNP_82714B_748	scaffold8669	NW_004521406.1	748	GG	CC	CC	INTERGENIC		
SNP_82715B_1155	scaffold8686	NW_004521415.1	1155	CC	AA	AA	INTERGENIC		
SNP_82716B_64	scaffold8687	NW_004521416.1	64	GG	TT	TT	INTERGENIC		
SNP_82717B_100	scaffold8687	NW_004521416.1	100	GG	TT	TT	INTERGENIC		
SNP_82718B_790	scaffold8687	NW_004521416.1	790	GG	TT	TT	INTERGENIC		
SNP_82719B_677	scaffold8690	NW_004521419.1	677	GG	CC	CC	INTERGENIC		
SNP_82720B_734	scaffold8690	NW_004521419.1	734	GG	CC	CC	INTERGENIC		
SNP_82721B_749	scaffold8690	NW_004521419.1	749	GG	AA	AA	INTERGENIC		
SNP_82722B_64	scaffold8696	NW_004521422.1	64	TT	AA	AA	INTERGENIC		
SNP_82723B_381	scaffold8696	NW_004521422.1	381	AA	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_82724B_848	scaffold8696	NW_004521422.1	848	TT	CC	CC	INTERGENIC		
SNP_82725B_870	scaffold8696	NW_004521422.1	870	TT	GG	GG	INTERGENIC		
SNP_82726B_456	scaffold8702	NW_004521423.1	456	CC	TT	TT	INTERGENIC		
SNP_82729B_103	scaffold8707	NW_004521426.1	103	TT	GG	GG	INTERGENIC		
SNP_82730B_498	scaffold8707	NW_004521426.1	498	TT	CC	CC	INTERGENIC		
SNP_82731B_1299	scaffold8707	NW_004521426.1	1299	GG	CC	CC	INTERGENIC		
SNP_82733B_1680	scaffold8707	NW_004521426.1	1680	GG	CC	CC	INTERGENIC		
SNP_82734B_1723	scaffold8707	NW_004521426.1	1723	CC	TT	TT	INTERGENIC		
SNP_82735B_64	scaffold8709	NW_004521428.1	64	CC	TT	TT	INTERGENIC		
SNP_82736B_649	scaffold8709	NW_004521428.1	649	TT	GG	GG	INTERGENIC		
SNP_82737B_966	scaffold8709	NW_004521428.1	966	GG	AA	AA	INTERGENIC		
SNP_82738B_561	scaffold8715	NW_004521430.1	561	AA	CC	CC	INTERGENIC		
SNP_82739B_562	scaffold8715	NW_004521430.1	562	TT	CC	CC	INTERGENIC		
SNP_82740B_591	scaffold8715	NW_004521430.1	591	GG	AA	AA	INTERGENIC		
SNP_82741B_645	scaffold8715	NW_004521430.1	645	TT	GG	GG	INTERGENIC		
SNP_82742B_776	scaffold8715	NW_004521430.1	776	TT	AA	AA	INTERGENIC		
SNP_82743B_987	scaffold8715	NW_004521430.1	987	TT	CC	CC	INTERGENIC		
SNP_82744B_1072	scaffold8715	NW_004521430.1	1072	GG	AA	AA	INTERGENIC		
SNP_82745B_1109	scaffold8715	NW_004521430.1	1109	AA	GG	GG	INTERGENIC		
SNP_82746B_64	scaffold8730	NW_004521434.1	64	GG	AA	AA	INTERGENIC		
SNP_82748B_150	scaffold8730	NW_004521434.1	150	AA	GG	GG	INTERGENIC		
SNP_82749B_205	scaffold8730	NW_004521434.1	205	GG	AA	AA	INTERGENIC		
SNP_82750B_284	scaffold8730	NW_004521434.1	284	AA	TT	TT	INTERGENIC		
SNP_82751B_371	scaffold8730	NW_004521434.1	371	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_82752B_383	scaffold8730	NW_004521434.1	383	CC	TT	TT	INTERGENIC		
SNP_82753B_386	scaffold8730	NW_004521434.1	386	TT	CC	CC	INTERGENIC		
SNP_82754B_389	scaffold8730	NW_004521434.1	389	GG	TT	TT	INTERGENIC		
SNP_82755B_485	scaffold8730	NW_004521434.1	485	AA	GG	GG	INTERGENIC		
SNP_82756B_573	scaffold8730	NW_004521434.1	573	AA	CC	CC	INTERGENIC		
SNP_82757B_1805	scaffold8730	NW_004521434.1	1805	AA	GG	GG	INTERGENIC		
SNP_82758B_2100	scaffold8730	NW_004521434.1	2100	TT	CC	CC	INTERGENIC		
SNP_82759B_471	scaffold8733	NW_004521436.1	471	CC	TT	TT	INTERGENIC		
SNP_82760B_515	scaffold8733	NW_004521436.1	515	GG	AA	AA	INTERGENIC		
SNP_82761B_534	scaffold8733	NW_004521436.1	534	CC	TT	TT	INTERGENIC		
SNP_82762B_271	scaffold8734	NW_004521437.1	271	AA	GG	GG	INTERGENIC		
SNP_82763B_286	scaffold8734	NW_004521437.1	286	AA	GG	GG	INTERGENIC		
SNP_82764B_320	scaffold8734	NW_004521437.1	320	GG	AA	AA	INTERGENIC		
SNP_82765B_358	scaffold8734	NW_004521437.1	358	TT	CC	CC	INTERGENIC		
SNP_82766B_540	scaffold8734	NW_004521437.1	540	AA	TT	TT	INTERGENIC		
SNP_82767B_648	scaffold8734	NW_004521437.1	648	CC	GG	GG	INTERGENIC		
SNP_82768B_707	scaffold8734	NW_004521437.1	707	AA	TT	TT	INTERGENIC		
SNP_82770B_839	scaffold8734	NW_004521437.1	839	AA	TT	TT	INTERGENIC		
SNP_82771B_867	scaffold8734	NW_004521437.1	867	AA	TT	TT	INTERGENIC		
SNP_82772B_876	scaffold8734	NW_004521437.1	876	CC	AA	AA	INTERGENIC		
SNP_82773B_947	scaffold8734	NW_004521437.1	947	TT	AA	AA	INTERGENIC		
SNP_82774B_1062	scaffold8734	NW_004521437.1	1062	AA	GG	GG	INTERGENIC		
SNP_82776B_2354	scaffold8734	NW_004521437.1	2354	TT	CC	CC	INTERGENIC		
SNP_82777B_1344	scaffold8746	NW_004521441.1	1344	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_82778B_1730	scaffold8746	NW_004521441.1	1730	CC	TT	TT	INTERGENIC		
SNP_82779B_2174	scaffold8746	NW_004521441.1	2174	AA	CC	CC	INTERGENIC		
SNP_82780B_2750	scaffold8746	NW_004521441.1	2750	GG	AA	AA	INTERGENIC		
SNP_82781B_6000	scaffold8746	NW_004521441.1	6000	TT	AA	AA	INTERGENIC		
SNP_82782B_6406	scaffold8746	NW_004521441.1	6406	AA	GG	GG	INTERGENIC		
SNP_82783B_6414	scaffold8746	NW_004521441.1	6414	GG	AA	AA	INTERGENIC		
SNP_82784B_6514	scaffold8746	NW_004521441.1	6514	TT	CC	CC	INTERGENIC		
SNP_82785B_528	scaffold8751	NW_004521443.1	528	CC	TT	TT	URR	101501908	Unknown function
SNP_82786B_556	scaffold8751	NW_004521443.1	556	AA	GG	GG	URR	101501908	Unknown function
SNP_82787B_569	scaffold8751	NW_004521443.1	569	TT	AA	AA	URR	101501908	Unknown function
SNP_82788B_572	scaffold8751	NW_004521443.1	572	CC	AA	AA	URR	101501908	Unknown function
SNP_82789B_701	scaffold8755	NW_004521445.1	701	TT	AA	AA	INTERGENIC		
SNP_82790B_731	scaffold8755	NW_004521445.1	731	TT	CC	CC	INTERGENIC		
SNP_82791B_738	scaffold8755	NW_004521445.1	738	GG	TT	TT	INTERGENIC		
SNP_82792B_822	scaffold8755	NW_004521445.1	822	GG	AA	AA	INTERGENIC		
SNP_82793B_1109	scaffold8755	NW_004521445.1	1109	AA	GG	GG	INTERGENIC		
SNP_82794B_102	scaffold8778	NW_004521454.1	102	GG	AA	AA	INTERGENIC		
SNP_82795B_207	scaffold8778	NW_004521454.1	207	CC	AA	AA	INTERGENIC		
SNP_82796B_580	scaffold8778	NW_004521454.1	580	TT	AA	AA	INTERGENIC		
SNP_82797B_119	scaffold8789	NW_004521458.1	119	GG	CC	CC	INTERGENIC		
SNP_82798B_246	scaffold8789	NW_004521458.1	246	TT	GG	GG	INTERGENIC		
SNP_82799B_350	scaffold8789	NW_004521458.1	350	TT	GG	GG	INTERGENIC		
SNP_82800B_376	scaffold8789	NW_004521458.1	376	CC	AA	AA	INTERGENIC		
SNP_82801B_393	scaffold8789	NW_004521458.1	393	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_82802B_406	scaffold8789	NW_004521458.1	406	GG	AA	AA	INTERGENIC		
SNP_82803B_443	scaffold8789	NW_004521458.1	443	TT	AA	AA	INTERGENIC		
SNP_82804B_466	scaffold8789	NW_004521458.1	466	AA	CC	CC	INTERGENIC		
SNP_82805B_477	scaffold8789	NW_004521458.1	477	AA	GG	GG	INTERGENIC		
SNP_82806B_545	scaffold8789	NW_004521458.1	545	AA	GG	GG	INTERGENIC		
SNP_82808B_658	scaffold8789	NW_004521458.1	658	CC	AA	AA	INTERGENIC		
SNP_82809B_666	scaffold8789	NW_004521458.1	666	AA	CC	CC	INTERGENIC		
SNP_82810B_690	scaffold8789	NW_004521458.1	690	TT	GG	GG	INTERGENIC		
SNP_82811B_741	scaffold8789	NW_004521458.1	741	AA	GG	GG	INTERGENIC		
SNP_82812B_784	scaffold8789	NW_004521458.1	784	AA	GG	GG	INTERGENIC		
SNP_82813B_846	scaffold8789	NW_004521458.1	846	TT	CC	CC	INTERGENIC		
SNP_82814B_1916	scaffold8789	NW_004521458.1	1916	TT	GG	GG	INTERGENIC		
SNP_82816B_20347	scaffold8801	NW_004521464.1	20347	AA	TT	TT	INTERGENIC		
SNP_82817B_20424	scaffold8801	NW_004521464.1	20424	GG	CC	CC	INTERGENIC		
SNP_82818B_20450	scaffold8801	NW_004521464.1	20450	GG	AA	AA	INTERGENIC		
SNP_82819B_20493	scaffold8801	NW_004521464.1	20493	TT	AA	AA	INTERGENIC		
SNP_82820B_389	scaffold8821	NW_004521474.1	389	AA	CC	CC	INTERGENIC		
SNP_82821B_446	scaffold8821	NW_004521474.1	446	CC	TT	TT	INTERGENIC		
SNP_82822B_765	scaffold8821	NW_004521474.1	765	AA	CC	CC	INTERGENIC		
SNP_82823B_632	scaffold8822	NW_004521475.1	632	AA	GG	GG	INTERGENIC		
SNP_82824B_662	scaffold8822	NW_004521475.1	662	AA	GG	GG	INTERGENIC		
SNP_82825B_878	scaffold8822	NW_004521475.1	878	AA	GG	GG	INTERGENIC		
SNP_82826B_381	scaffold8824	NW_004521476.1	381	GG	AA	AA	INTERGENIC		
SNP_82827B_619	scaffold8825	NW_004521477.1	619	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_82828B_626	scaffold8825	NW_004521477.1	626	GG	AA	AA	INTERGENIC		
SNP_82831B_1063	scaffold8825	NW_004521477.1	1063	GG	TT	TT	INTERGENIC		
SNP_82832B_1091	scaffold8825	NW_004521477.1	1091	GG	AA	AA	INTERGENIC		
SNP_82833B_1427	scaffold8826	NW_004521478.1	1427	TT	CC	CC	INTERGENIC		
SNP_82834B_856	scaffold8836	NW_004521482.1	856	CC	TT	TT	INTERGENIC		
SNP_82835B_901	scaffold8836	NW_004521482.1	901	TT	CC	CC	INTERGENIC		
SNP_82836B_939	scaffold8836	NW_004521482.1	939	AA	GG	GG	INTERGENIC		
SNP_82838B_1105	scaffold8836	NW_004521482.1	1105	AA	TT	TT	INTERGENIC		
SNP_82839B_1129	scaffold8836	NW_004521482.1	1129	GG	AA	AA	INTERGENIC		
SNP_82840B_1161	scaffold8836	NW_004521482.1	1161	CC	TT	TT	INTERGENIC		
SNP_82841B_1197	scaffold8836	NW_004521482.1	1197	AA	GG	GG	INTERGENIC		
SNP_82842B_440	scaffold8842	NW_004521485.1	440	CC	TT	TT	INTERGENIC		
SNP_82843B_509	scaffold8842	NW_004521485.1	509	GG	AA	AA	INTERGENIC		
SNP_82844B_584	scaffold8842	NW_004521485.1	584	AA	CC	CC	INTERGENIC		
SNP_82845B_602	scaffold8842	NW_004521485.1	602	CC	AA	AA	INTERGENIC		
SNP_82846B_888	scaffold8842	NW_004521485.1	888	TT	CC	CC	INTERGENIC		
SNP_82847B_948	scaffold8842	NW_004521485.1	948	CC	TT	TT	INTERGENIC		
SNP_82848B_1268	scaffold8844	NW_004521486.1	1268	TT	CC	CC	INTERGENIC		
SNP_82849B_1271	scaffold8844	NW_004521486.1	1271	TT	AA	AA	INTERGENIC		
SNP_82850B_1360	scaffold8844	NW_004521486.1	1360	CC	TT	TT	INTERGENIC		
SNP_82851B_2554	scaffold8845	NW_004521487.1	2554	AA	GG	GG	INTERGENIC		
SNP_82852B_3129	scaffold8845	NW_004521487.1	3129	AA	GG	GG	INTERGENIC		
SNP_82853B_3130	scaffold8845	NW_004521487.1	3130	CC	AA	AA	INTERGENIC		
SNP_82854B_3202	scaffold8845	NW_004521487.1	3202	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_82855B_555	scaffold8852	NW_004521492.1	555	GG	AA	AA	INTERGENIC		
SNP_82856B_731	scaffold8852	NW_004521492.1	731	AA	GG	GG	INTERGENIC		
SNP_82857B_799	scaffold8852	NW_004521492.1	799	TT	AA	AA	INTERGENIC		
SNP_82858B_896	scaffold8852	NW_004521492.1	896	AA	GG	GG	INTERGENIC		
SNP_82859B_1044	scaffold8852	NW_004521492.1	1044	GG	AA	AA	INTERGENIC		
SNP_82860B_1114	scaffold8852	NW_004521492.1	1114	TT	AA	AA	INTERGENIC		
SNP_82861B_1200	scaffold8852	NW_004521492.1	1200	TT	CC	CC	INTERGENIC		
SNP_82863B_368	scaffold8857	NW_004521497.1	368	CC	TT	TT	SYNONYMOUS_CODING	101502557	Unknown function
SNP_82864B_5535	scaffold8857	NW_004521497.1	5535	AA	CC	CC	INTERGENIC		
SNP_82865B_5559	scaffold8857	NW_004521497.1	5559	GG	AA	AA	INTERGENIC		
SNP_82866B_5617	scaffold8857	NW_004521497.1	5617	GG	AA	AA	INTERGENIC		
SNP_82867B_5937	scaffold8857	NW_004521497.1	5937	GG	AA	AA	INTERGENIC		
SNP_82868B_769	scaffold8859	NW_004521498.1	769	GG	AA	AA	INTERGENIC		
SNP_82869B_2942	scaffold8866	NW_004521501.1	2942	CC	AA	AA	INTERGENIC		
SNP_82870B_2945	scaffold8866	NW_004521501.1	2945	AA	TT	TT	INTERGENIC		
SNP_82871B_101	scaffold8876	NW_004521506.1	101	AA	GG	GG	INTERGENIC		
SNP_82872B_187	scaffold8876	NW_004521506.1	187	TT	GG	GG	INTERGENIC		
SNP_82873B_222	scaffold8876	NW_004521506.1	222	TT	AA	AA	INTERGENIC		
SNP_82874B_398	scaffold8876	NW_004521506.1	398	CC	AA	AA	INTERGENIC		
SNP_82875B_486	scaffold8876	NW_004521506.1	486	TT	GG	GG	INTERGENIC		
SNP_82876B_538	scaffold8876	NW_004521506.1	538	TT	GG	GG	INTERGENIC		
SNP_82877B_558	scaffold8876	NW_004521506.1	558	AA	TT	TT	INTERGENIC		
SNP_82878B_643	scaffold8876	NW_004521506.1	643	CC	TT	TT	INTERGENIC		
SNP_82879B_644	scaffold8876	NW_004521506.1	644	CC	TT	TT	INTERGENIC		

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SNP_82880B_885	scaffold8876	NW_004521506.1	885	CC	TT	TT	INTERGENIC		
SNP_82881B_195	scaffold8877	NW_004521507.1	195	TT	GG	GG	INTERGENIC		
SNP_82882B_229	scaffold8877	NW_004521507.1	229	TT	CC	CC	INTERGENIC		
SNP_82884B_501	scaffold8877	NW_004521507.1	501	CC	AA	AA	INTERGENIC		
SNP_82885B_520	scaffold8877	NW_004521507.1	520	GG	AA	AA	INTERGENIC		
SNP_82887B_754	scaffold8877	NW_004521507.1	754	TT	AA	AA	INTERGENIC		
SNP_82888B_761	scaffold8877	NW_004521507.1	761	GG	AA	AA	INTERGENIC		
SNP_82889B_853	scaffold8877	NW_004521507.1	853	TT	CC	CC	INTERGENIC		
SNP_82890B_19865	scaffold8877	NW_004521507.1	19865	AA	TT	TT	INTERGENIC		
SNP_82891B_19882	scaffold8877	NW_004521507.1	19882	AA	GG	GG	INTERGENIC		
SNP_82892B_20349	scaffold8877	NW_004521507.1	20349	TT	GG	GG	INTERGENIC		
SNP_82893B_20602	scaffold8877	NW_004521507.1	20602	TT	AA	AA	INTERGENIC		
SNP_82894B_20603	scaffold8877	NW_004521507.1	20603	AA	TT	TT	INTERGENIC		
SNP_82895B_20652	scaffold8877	NW_004521507.1	20652	CC	AA	AA	INTERGENIC		
SNP_82896B_20752	scaffold8877	NW_004521507.1	20752	GG	TT	TT	INTERGENIC		
SNP_82897B_20795	scaffold8877	NW_004521507.1	20795	AA	GG	GG	INTERGENIC		
SNP_82898B_420	scaffold8881	NW_004521509.1	420	CC	AA	AA	INTERGENIC		
SNP_82899B_470	scaffold8881	NW_004521509.1	470	AA	CC	CC	INTERGENIC		
SNP_82900B_723	scaffold8892	NW_004521514.1	723	CC	AA	AA	INTERGENIC		
SNP_82901B_962	scaffold8892	NW_004521514.1	962	AA	TT	TT	INTERGENIC		
SNP_82902B_785	scaffold8897	NW_004521517.1	785	TT	CC	CC	INTERGENIC		
SNP_82903B_872	scaffold8897	NW_004521517.1	872	TT	CC	CC	INTERGENIC		
SNP_82904B_932	scaffold8897	NW_004521517.1	932	GG	AA	AA	INTERGENIC		
SNP_82905B_1167	scaffold8897	NW_004521517.1	1167	TT	CC	CC	INTERGENIC		

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SNP_82906B_1184	scaffold8897	NW_004521517.1	1184	TT	GG	GG	INTERGENIC		
SNP_82907B_1196	scaffold8897	NW_004521517.1	1196	TT	GG	GG	INTERGENIC		
SNP_82908B_1269	scaffold8913	NW_004521522.1	1269	CC	TT	TT	NON_SYNONYMOUS_CODING	101502870	pentatricopeptide repeat-containing protein At1g62910-like
SNP_82909B_1273	scaffold8913	NW_004521522.1	1273	CC	GG	GG	SYNONYMOUS_CODING	101502870	pentatricopeptide repeat-containing protein At1g62910-like
SNP_82910B_1281	scaffold8913	NW_004521522.1	1281	CC	TT	TT	NON_SYNONYMOUS_CODING	101502870	pentatricopeptide repeat-containing protein At1g62910-like
SNP_82911B_1297	scaffold8913	NW_004521522.1	1297	GG	AA	AA	SYNONYMOUS_CODING	101502870	pentatricopeptide repeat-containing protein At1g62910-like
SNP_82912B_1779	scaffold8913	NW_004521522.1	1779	GG	AA	AA	SYNONYMOUS_CODING	101502870	pentatricopeptide repeat-containing protein At1g62910-like
SNP_82913B_1880	scaffold8913	NW_004521522.1	1880	TT	CC	CC	NON_SYNONYMOUS_CODING	101502870	pentatricopeptide repeat-containing protein At1g62910-like
SNP_82914B_1901	scaffold8913	NW_004521522.1	1901	CC	GG	GG	NON_SYNONYMOUS_CODING	101502870	pentatricopeptide repeat-containing protein At1g62910-like
SNP_82915B_1902	scaffold8913	NW_004521522.1	1902	GG	CC	CC	NON_SYNONYMOUS_CODING	101502870	pentatricopeptide repeat-containing protein At1g62910-like
SNP_82916B_1909	scaffold8913	NW_004521522.1	1909	GG	CC	CC	NON_SYNONYMOUS_CODING	101502870	pentatricopeptide repeat-containing protein At1g62910-like
SNP_82917B_1925	scaffold8913	NW_004521522.1	1925	GG	TT	TT	NON_SYNONYMOUS_CODING	101502870	pentatricopeptide repeat-containing protein At1g62910-like
SNP_82918B_2079	scaffold8913	NW_004521522.1	2079	CC	AA	AA	NON_SYNONYMOUS_CODING	101502870	pentatricopeptide repeat-containing protein At1g62910-like
SNP_82919B_2109	scaffold8913	NW_004521522.1	2109	AA	GG	GG	NON_SYNONYMOUS_CODING	101502870	pentatricopeptide repeat-containing protein At1g62910-like
SNP_82920B_2147	scaffold8913	NW_004521522.1	2147	AA	TT	TT	NON_SYNONYMOUS_CODING	101502870	pentatricopeptide repeat-containing protein At1g62910-like
SNP_82921B_2152	scaffold8913	NW_004521522.1	2152	TT	GG	GG	SYNONYMOUS_CODING	101502870	pentatricopeptide repeat-containing protein At1g62910-like
SNP_82922B_752	scaffold8930	NW_004521528.1	752	GG	TT	TT	INTERGENIC		
SNP_82923B_796	scaffold8943	NW_004521533.1	796	CC	TT	TT	INTERGENIC		
SNP_82924B_960	scaffold8943	NW_004521533.1	960	CC	TT	TT	INTERGENIC		
SNP_82925B_996	scaffold8943	NW_004521533.1	996	CC	AA	AA	INTERGENIC		
SNP_82926B_64	scaffold8960	NW_004521539.1	64	CC	TT	TT	INTERGENIC		
SNP_82927B_535	scaffold8960	NW_004521539.1	535	TT	CC	CC	INTERGENIC		
SNP_82928B_647	scaffold8960	NW_004521539.1	647	GG	AA	AA	INTERGENIC		
SNP_82929B_708	scaffold8960	NW_004521539.1	708	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_82930B_1656	scaffold8964	NW_004521542.1	1656	CC	AA	AA	INTERGENIC		
SNP_82931B_1966	scaffold8964	NW_004521542.1	1966	CC	TT	TT	INTERGENIC		
SNP_82932B_939	scaffold8967	NW_004521544.1	939	GG	TT	TT	INTERGENIC		
SNP_82933B_732	scaffold8968	NW_004521545.1	732	TT	AA	AA	INTERGENIC		
SNP_82934B_753	scaffold8968	NW_004521545.1	753	AA	GG	GG	INTERGENIC		
SNP_82935B_1377	scaffold8968	NW_004521545.1	1377	AA	TT	TT	INTERGENIC		
SNP_82936B_518	scaffold8990	NW_004521554.1	518	AA	TT	TT	DRR	101503853	uncharacterized LOC101503853
SNP_82937B_998	scaffold8990	NW_004521554.1	998	GG	CC	CC	DRR	101503853	uncharacterized LOC101503853
SNP_82938B_1132	scaffold8990	NW_004521554.1	1132	GG	TT	TT	INTERGENIC		
SNP_82939B_1254	scaffold8990	NW_004521554.1	1254	CC	TT	TT	INTERGENIC		
SNP_82940B_5884	scaffold8990	NW_004521554.1	5884	TT	AA	AA	INTERGENIC		
SNP_82941B_6246	scaffold8990	NW_004521554.1	6246	TT	CC	CC	INTERGENIC		
SNP_82942B_852	scaffold8999	NW_004521558.1	852	AA	TT	TT	INTERGENIC		
SNP_82943B_856	scaffold8999	NW_004521558.1	856	AA	TT	TT	INTERGENIC		
SNP_82944B_1360	scaffold8999	NW_004521558.1	1360	CC	TT	TT	INTERGENIC		
SNP_82945B_1366	scaffold8999	NW_004521558.1	1366	CC	GG	GG	INTERGENIC		
SNP_82946B_1422	scaffold8999	NW_004521558.1	1422	AA	CC	CC	INTERGENIC		
SNP_82947B_622	scaffold9000	NW_004521559.1	622	AA	TT	TT	INTERGENIC		
SNP_82948B_3003	scaffold9000	NW_004521559.1	3003	AA	GG	GG	INTERGENIC		
SNP_82949B_3290	scaffold9000	NW_004521559.1	3290	AA	CC	CC	INTERGENIC		
SNP_82950B_1232	scaffold9006	NW_004521562.1	1232	GG	AA	AA	INTERGENIC		
SNP_82951B_1247	scaffold9006	NW_004521562.1	1247	AA	TT	TT	INTERGENIC		
SNP_82952B_496	scaffold9013	NW_004521563.1	496	CC	AA	AA	INTERGENIC		
SNP_82953B_116	scaffold9023	NW_004521568.1	116	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_82954B_153	scaffold9023	NW_004521568.1	153	CC	AA	AA	INTERGENIC		
SNP_82955B_166	scaffold9023	NW_004521568.1	166	AA	GG	GG	INTERGENIC		
SNP_82956B_229	scaffold9023	NW_004521568.1	229	TT	GG	GG	INTERGENIC		
SNP_82957B_252	scaffold9023	NW_004521568.1	252	CC	TT	TT	INTERGENIC		
SNP_82958B_323	scaffold9023	NW_004521568.1	323	GG	TT	TT	INTERGENIC		
SNP_82959B_515	scaffold9023	NW_004521568.1	515	GG	AA	AA	INTERGENIC		
SNP_82960B_537	scaffold9023	NW_004521568.1	537	TT	CC	CC	INTERGENIC		
SNP_82961B_662	scaffold9023	NW_004521568.1	662	CC	TT	TT	INTERGENIC		
SNP_82962B_675	scaffold9023	NW_004521568.1	675	CC	TT	TT	INTERGENIC		
SNP_82963B_734	scaffold9023	NW_004521568.1	734	AA	CC	CC	INTERGENIC		
SNP_82964B_864	scaffold9023	NW_004521568.1	864	AA	GG	GG	INTERGENIC		
SNP_82965B_909	scaffold9023	NW_004521568.1	909	AA	GG	GG	INTERGENIC		
SNP_82966B_1006	scaffold9023	NW_004521568.1	1006	AA	GG	GG	INTERGENIC		
SNP_82967B_1506	scaffold9024	NW_004521569.1	1506	CC	AA	AA	INTERGENIC		
SNP_82968B_99	scaffold9028	NW_004521572.1	99	AA	GG	GG	INTERGENIC		
SNP_82969B_274	scaffold9028	NW_004521572.1	274	CC	AA	AA	INTERGENIC		
SNP_82970B_423	scaffold9028	NW_004521572.1	423	AA	CC	CC	INTERGENIC		
SNP_82971B_440	scaffold9028	NW_004521572.1	440	AA	GG	GG	INTERGENIC		
SNP_82972B_569	scaffold9028	NW_004521572.1	569	AA	GG	GG	INTERGENIC		
SNP_82973B_581	scaffold9028	NW_004521572.1	581	CC	GG	GG	INTERGENIC		
SNP_82974B_615	scaffold9028	NW_004521572.1	615	CC	AA	AA	INTERGENIC		
SNP_82975B_627	scaffold9028	NW_004521572.1	627	CC	TT	TT	INTERGENIC		
SNP_82976B_664	scaffold9028	NW_004521572.1	664	TT	GG	GG	INTERGENIC		
SNP_82977B_715	scaffold9028	NW_004521572.1	715	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_82978B_190	scaffold9037	NW_004521575.1	190	AA	GG	GG	INTERGENIC		
SNP_82979B_528	scaffold9037	NW_004521575.1	528	GG	TT	TT	INTERGENIC		
SNP_82980B_35	scaffold9043	NW_004521576.1	35	AA	CC	CC	INTERGENIC		
SNP_82981B_97	scaffold9043	NW_004521576.1	97	AA	GG	GG	INTERGENIC		
SNP_82982B_392	scaffold9043	NW_004521576.1	392	CC	GG	GG	INTERGENIC		
SNP_82983B_486	scaffold9059	NW_004521581.1	486	TT	CC	CC	INTERGENIC		
SNP_82985B_808	scaffold9059	NW_004521581.1	808	AA	GG	GG	INTERGENIC		
SNP_82986B_942	scaffold9059	NW_004521581.1	942	AA	GG	GG	INTERGENIC		
SNP_82987B_1263	scaffold9059	NW_004521581.1	1263	TT	AA	AA	INTERGENIC		
SNP_82988B_1264	scaffold9059	NW_004521581.1	1264	AA	TT	TT	INTERGENIC		
SNP_82989B_1265	scaffold9059	NW_004521581.1	1265	GG	AA	AA	INTERGENIC		
SNP_82990B_97	scaffold9070	NW_004521584.1	97	AA	GG	GG	INTERGENIC		
SNP_82991B_1156	scaffold9070	NW_004521584.1	1156	TT	AA	AA	INTERGENIC		
SNP_82992B_591	scaffold9074	NW_004521585.1	591	CC	TT	TT	INTERGENIC		
SNP_82994B_1047	scaffold9074	NW_004521585.1	1047	CC	GG	GG	INTERGENIC		
SNP_82996B_596	scaffold9079	NW_004521588.1	596	GG	TT	TT	INTERGENIC		
SNP_82997B_640	scaffold9079	NW_004521588.1	640	GG	AA	AA	INTERGENIC		
SNP_82998B_982	scaffold9079	NW_004521588.1	982	CC	AA	AA	INTERGENIC		
SNP_82999B_5015	scaffold9086	NW_004521593.1	5015	AA	CC	CC	INTERGENIC		
SNP_83000B_5353	scaffold9086	NW_004521593.1	5353	AA	GG	GG	INTERGENIC		
SNP_83001B_5435	scaffold9086	NW_004521593.1	5435	TT	GG	GG	INTERGENIC		
SNP_83002B_5503	scaffold9086	NW_004521593.1	5503	GG	AA	AA	INTERGENIC		
SNP_83003B_5633	scaffold9086	NW_004521593.1	5633	GG	AA	AA	INTERGENIC		
SNP_83004B_445	scaffold9118	NW_004521603.1	445	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_83005B_660	scaffold9118	NW_004521603.1	660	AA	TT	TT	INTERGENIC		
SNP_83006B_1439	scaffold9122	NW_004521604.1	1439	TT	CC	CC	INTERGENIC		
SNP_83007B_1542	scaffold9122	NW_004521604.1	1542	AA	GG	GG	INTERGENIC		
SNP_83008B_1566	scaffold9122	NW_004521604.1	1566	GG	AA	AA	INTERGENIC		
SNP_83009B_2014	scaffold9122	NW_004521604.1	2014	CC	AA	AA	INTERGENIC		
SNP_83010B_2162	scaffold9122	NW_004521604.1	2162	AA	GG	GG	INTERGENIC		
SNP_83011B_337	scaffold9125	NW_004521605.1	337	TT	CC	CC	INTERGENIC		
SNP_83012B_382	scaffold9125	NW_004521605.1	382	AA	GG	GG	INTERGENIC		
SNP_83013B_654	scaffold9125	NW_004521605.1	654	CC	TT	TT	INTERGENIC		
SNP_83014B_766	scaffold9125	NW_004521605.1	766	AA	GG	GG	INTERGENIC		
SNP_83015B_1452	scaffold9125	NW_004521605.1	1452	CC	GG	GG	INTERGENIC		
SNP_83017B_1049	scaffold9135	NW_004521609.1	1049	TT	AA	AA	INTERGENIC		
SNP_83019B_908	scaffold9149	NW_004521612.1	908	AA	GG	GG	INTERGENIC		
SNP_83020B_963	scaffold9149	NW_004521612.1	963	GG	CC	CC	INTERGENIC		
SNP_83021B_1015	scaffold9149	NW_004521612.1	1015	AA	TT	TT	INTERGENIC		
SNP_83022B_1155	scaffold9149	NW_004521612.1	1155	AA	GG	GG	INTERGENIC		
SNP_83023B_1257	scaffold9149	NW_004521612.1	1257	TT	AA	AA	INTERGENIC		
SNP_83024B_1261	scaffold9149	NW_004521612.1	1261	GG	AA	AA	INTERGENIC		
SNP_83025B_736	scaffold9168	NW_004521619.1	736	GG	AA	AA	INTERGENIC		
SNP_83026B_1365	scaffold9171	NW_004521620.1	1365	AA	GG	GG	INTERGENIC		
SNP_83027B_382	scaffold9172	NW_004521621.1	382	TT	GG	GG	INTERGENIC		
SNP_83028B_145	scaffold9195	NW_004521630.1	145	CC	GG	GG	INTERGENIC		
SNP_83029B_241	scaffold9195	NW_004521630.1	241	CC	AA	AA	INTERGENIC		
SNP_83031B_674	scaffold9195	NW_004521630.1	674	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_83032B_710	scaffold9195	NW_004521630.1	710	TT	AA	AA	INTERGENIC		
SNP_83033B_1072	scaffold9195	NW_004521630.1	1072	AA	TT	TT	INTERGENIC		
SNP_83034B_453	scaffold9197	NW_004521631.1	453	GG	TT	TT	INTERGENIC		
SNP_83035B_458	scaffold9197	NW_004521631.1	458	AA	CC	CC	INTERGENIC		
SNP_83038B_355	scaffold9216	NW_004521635.1	355	AA	CC	CC	INTERGENIC		
SNP_83039B_363	scaffold9216	NW_004521635.1	363	TT	CC	CC	INTERGENIC		
SNP_83040B_370	scaffold9216	NW_004521635.1	370	AA	CC	CC	INTERGENIC		
SNP_83041B_377	scaffold9216	NW_004521635.1	377	CC	GG	GG	INTERGENIC		
SNP_83042B_535	scaffold9216	NW_004521635.1	535	TT	CC	CC	INTERGENIC		
SNP_83043B_585	scaffold9216	NW_004521635.1	585	AA	TT	TT	INTERGENIC		
SNP_83044B_1155	scaffold9216	NW_004521635.1	1155	GG	TT	TT	INTERGENIC		
SNP_83045B_1520	scaffold9216	NW_004521635.1	1520	CC	GG	GG	INTERGENIC		
SNP_83046B_367	scaffold9223	NW_004521639.1	367	AA	CC	CC	INTERGENIC		
SNP_83047B_1073	scaffold9236	NW_004521644.1	1073	AA	CC	CC	INTERGENIC		
SNP_83048B_1110	scaffold9236	NW_004521644.1	1110	AA	GG	GG	INTERGENIC		
SNP_83050B_1810	scaffold9236	NW_004521644.1	1810	GG	CC	CC	INTERGENIC		
SNP_83051B_1812	scaffold9236	NW_004521644.1	1812	GG	CC	CC	INTERGENIC		
SNP_83052B_396	scaffold9240	NW_004521645.1	396	TT	CC	CC	INTERGENIC		
SNP_83053B_777	scaffold9240	NW_004521645.1	777	GG	CC	CC	INTERGENIC		
SNP_83054B_64	scaffold9247	NW_004521649.1	64	GG	AA	AA	INTERGENIC		
SNP_83055B_99	scaffold9247	NW_004521649.1	99	AA	GG	GG	INTERGENIC		
SNP_83056B_100	scaffold9247	NW_004521649.1	100	TT	AA	AA	INTERGENIC		
SNP_83057B_399	scaffold9247	NW_004521649.1	399	AA	TT	TT	INTERGENIC		
SNP_83058B_976	scaffold9258	NW_004521655.1	976	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_83059B_1152	scaffold9258	NW_004521655.1	1152	CC	AA	AA	INTERGENIC		
SNP_83060B_1189	scaffold9258	NW_004521655.1	1189	AA	TT	TT	INTERGENIC		
SNP_83061B_1220	scaffold9258	NW_004521655.1	1220	TT	CC	CC	INTERGENIC		
SNP_83062B_20508	scaffold9267	NW_004521659.1	20508	AA	CC	CC	INTERGENIC		
SNP_83063B_101	scaffold9281	NW_004521666.1	101	AA	CC	CC	INTERGENIC		
SNP_83064B_149	scaffold9281	NW_004521666.1	149	GG	AA	AA	INTERGENIC		
SNP_83065B_349	scaffold9281	NW_004521666.1	349	TT	CC	CC	INTERGENIC		
SNP_83066B_359	scaffold9281	NW_004521666.1	359	AA	GG	GG	INTERGENIC		
SNP_83067B_378	scaffold9281	NW_004521666.1	378	CC	TT	TT	INTERGENIC		
SNP_83068B_493	scaffold9281	NW_004521666.1	493	GG	AA	AA	INTERGENIC		
SNP_83069B_555	scaffold9281	NW_004521666.1	555	TT	AA	AA	INTERGENIC		
SNP_83070B_588	scaffold9281	NW_004521666.1	588	AA	GG	GG	INTERGENIC		
SNP_83071B_3606	scaffold9281	NW_004521666.1	3606	TT	CC	CC	INTERGENIC		
SNP_83072B_3649	scaffold9281	NW_004521666.1	3649	CC	AA	AA	INTERGENIC		
SNP_83073B_3775	scaffold9281	NW_004521666.1	3775	GG	CC	CC	INTERGENIC		
SNP_83074B_4003	scaffold9281	NW_004521666.1	4003	AA	CC	CC	INTERGENIC		
SNP_83075B_4136	scaffold9281	NW_004521666.1	4136	TT	CC	CC	INTERGENIC		
SNP_83076B_4145	scaffold9281	NW_004521666.1	4145	TT	AA	AA	INTERGENIC		
SNP_83077B_4193	scaffold9281	NW_004521666.1	4193	GG	AA	AA	INTERGENIC		
SNP_83078B_505	scaffold9287	NW_004521668.1	505	TT	CC	CC	INTERGENIC		
SNP_83079B_1198	scaffold9294	NW_004521671.1	1198	CC	GG	GG	INTERGENIC		
SNP_83080B_1447	scaffold9294	NW_004521671.1	1447	AA	GG	GG	INTERGENIC		
SNP_83081B_1494	scaffold9294	NW_004521671.1	1494	AA	CC	CC	INTERGENIC		
SNP_83082B_64	scaffold9295	NW_004521672.1	64	GG	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_83083B_64	scaffold9303	NW_004521673.1	64	AA	CC	CC	INTERGENIC		
SNP_83084B_82	scaffold9303	NW_004521673.1	82	CC	TT	TT	INTERGENIC		
SNP_83085B_137	scaffold9303	NW_004521673.1	137	TT	CC	CC	INTERGENIC		
SNP_83086B_142	scaffold9303	NW_004521673.1	142	TT	CC	CC	INTERGENIC		
SNP_83087B_1063	scaffold9303	NW_004521673.1	1063	TT	CC	CC	INTERGENIC		
SNP_83089B_1228	scaffold9303	NW_004521673.1	1228	AA	TT	TT	INTERGENIC		
SNP_83090B_1230	scaffold9303	NW_004521673.1	1230	TT	AA	AA	INTERGENIC		
SNP_83091B_1494	scaffold9303	NW_004521673.1	1494	AA	TT	TT	INTERGENIC		
SNP_83092B_915	scaffold9314	NW_004521678.1	915	CC	GG	GG	INTERGENIC		
SNP_83093B_979	scaffold9314	NW_004521678.1	979	AA	TT	TT	INTERGENIC		
SNP_83094B_1009	scaffold9314	NW_004521678.1	1009	CC	GG	GG	INTERGENIC		
SNP_83095B_1436	scaffold9314	NW_004521678.1	1436	GG	AA	AA	INTERGENIC		
SNP_83096B_1650	scaffold9321	NW_004521680.1	1650	TT	GG	GG	INTERGENIC		
SNP_83097B_876	scaffold9323	NW_004521682.1	876	CC	AA	AA	INTERGENIC		
SNP_83098B_909	scaffold9323	NW_004521682.1	909	CC	TT	TT	INTERGENIC		
SNP_83099B_4545	scaffold9323	NW_004521682.1	4545	GG	AA	AA	INTERGENIC		
SNP_83100B_4588	scaffold9323	NW_004521682.1	4588	TT	CC	CC	INTERGENIC		
SNP_83101B_199	scaffold9326	NW_004521685.1	199	CC	GG	GG	INTERGENIC		
SNP_83102B_253	scaffold9326	NW_004521685.1	253	TT	AA	AA	INTERGENIC		
SNP_83103B_531	scaffold9326	NW_004521685.1	531	AA	CC	CC	INTERGENIC		
SNP_83104B_601	scaffold9326	NW_004521685.1	601	AA	TT	TT	INTERGENIC		
SNP_83105B_689	scaffold9326	NW_004521685.1	689	TT	AA	AA	INTERGENIC		
SNP_83106B_753	scaffold9326	NW_004521685.1	753	AA	TT	TT	INTERGENIC		
SNP_83107B_1082	scaffold9334	NW_004521687.1	1082	TT	AA	AA	INTRON	id225268	Unknown function

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_83108B_2049	scaffold9334	NW_004521687.1	2049	AA	TT	TT	URR	101505118	uncharacterized LOC101505118
SNP_83109B_2087	scaffold9334	NW_004521687.1	2087	TT	AA	AA	URR	101505118	uncharacterized LOC101505118
SNP_83110B_64	scaffold9371	NW_004521702.1	64	CC	GG	GG	INTERGENIC		
SNP_83111B_123	scaffold9371	NW_004521702.1	123	TT	AA	AA	INTERGENIC		
SNP_83112B_124	scaffold9371	NW_004521702.1	124	GG	AA	AA	INTERGENIC		
SNP_83113B_133	scaffold9371	NW_004521702.1	133	GG	TT	TT	INTERGENIC		
SNP_83115B_296	scaffold9371	NW_004521702.1	296	GG	CC	CC	INTERGENIC		
SNP_83116B_305	scaffold9371	NW_004521702.1	305	AA	TT	TT	INTERGENIC		
SNP_83117B_309	scaffold9371	NW_004521702.1	309	CC	AA	AA	INTERGENIC		
SNP_83118B_331	scaffold9371	NW_004521702.1	331	TT	CC	CC	INTERGENIC		
SNP_83119B_396	scaffold9371	NW_004521702.1	396	TT	CC	CC	INTERGENIC		
SNP_83120B_426	scaffold9371	NW_004521702.1	426	AA	CC	CC	INTERGENIC		
SNP_83121B_470	scaffold9371	NW_004521702.1	470	GG	AA	AA	INTERGENIC		
SNP_83122B_482	scaffold9371	NW_004521702.1	482	AA	TT	TT	INTERGENIC		
SNP_83123B_486	scaffold9371	NW_004521702.1	486	AA	TT	TT	INTERGENIC		
SNP_83124B_504	scaffold9371	NW_004521702.1	504	GG	AA	AA	INTERGENIC		
SNP_83125B_554	scaffold9371	NW_004521702.1	554	AA	CC	CC	INTERGENIC		
SNP_83126B_619	scaffold9371	NW_004521702.1	619	TT	AA	AA	INTERGENIC		
SNP_83128B_649	scaffold9371	NW_004521702.1	649	AA	GG	GG	INTERGENIC		
SNP_83129B_678	scaffold9371	NW_004521702.1	678	GG	CC	CC	INTERGENIC		
SNP_83130B_1068	scaffold9374	NW_004521704.1	1068	GG	AA	AA	INTERGENIC		
SNP_83131B_836	scaffold9375	NW_004521705.1	836	TT	AA	AA	INTERGENIC		
SNP_83132B_732	scaffold9391	NW_004521712.1	732	TT	GG	GG	INTERGENIC		
SNP_83133B_477	scaffold9396	NW_004521716.1	477	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_83134B_501	scaffold9396	NW_004521716.1	501	GG	AA	AA	INTERGENIC		
SNP_83135B_565	scaffold9396	NW_004521716.1	565	TT	CC	CC	INTERGENIC		
SNP_83136B_633	scaffold9396	NW_004521716.1	633	CC	GG	GG	INTERGENIC		
SNP_83137B_655	scaffold9396	NW_004521716.1	655	AA	GG	GG	INTERGENIC		
SNP_83138B_672	scaffold9396	NW_004521716.1	672	AA	GG	GG	INTERGENIC		
SNP_83139B_725	scaffold9396	NW_004521716.1	725	TT	CC	CC	INTERGENIC		
SNP_83140B_928	scaffold9396	NW_004521716.1	928	CC	TT	TT	INTERGENIC		
SNP_83141B_958	scaffold9396	NW_004521716.1	958	TT	AA	AA	INTERGENIC		
SNP_83142B_985	scaffold9396	NW_004521716.1	985	TT	CC	CC	INTERGENIC		
SNP_83143B_713	scaffold9402	NW_004521719.1	713	AA	GG	GG	INTERGENIC		
SNP_83144B_2682	scaffold9411	NW_004521721.1	2682	TT	AA	AA	INTERGENIC		
SNP_83145B_2858	scaffold9411	NW_004521721.1	2858	AA	TT	TT	INTERGENIC		
SNP_83146B_2882	scaffold9411	NW_004521721.1	2882	TT	CC	CC	INTERGENIC		
SNP_83149B_3749	scaffold9411	NW_004521721.1	3749	TT	AA	AA	DRR	101506305	vacuolar-processing enzyme-like
SNP_83150B_3782	scaffold9411	NW_004521721.1	3782	TT	GG	GG	DRR	101506305	vacuolar-processing enzyme-like
SNP_83151B_3789	scaffold9411	NW_004521721.1	3789	AA	TT	TT	DRR	101506305	vacuolar-processing enzyme-like
SNP_83153B_5655	scaffold9411	NW_004521721.1	5655	TT	GG	GG	NON_SYNONYMOUS_CODING	101506305	vacuolar-processing enzyme-like
SNP_83154B_5694	scaffold9411	NW_004521721.1	5694	GG	CC	CC	NON_SYNONYMOUS_CODING	101506305	vacuolar-processing enzyme-like
SNP_83155B_5941	scaffold9411	NW_004521721.1	5941	AA	TT	TT	INTRON	101506305	vacuolar-processing enzyme-like
SNP_83156B_380	scaffold9416	NW_004521722.1	380	CC	TT	TT	INTERGENIC		
SNP_83157B_405	scaffold9416	NW_004521722.1	405	CC	TT	TT	INTERGENIC		
SNP_83158B_554	scaffold9419	NW_004521724.1	554	GG	CC	CC	INTERGENIC		
SNP_83159B_1150	scaffold9433	NW_004521731.1	1150	GG	TT	TT	INTERGENIC		
SNP_83160B_967	scaffold9435	NW_004521732.1	967	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_83161B_64	scaffold9444	NW_004521734.1	64	AA	GG	GG	INTERGENIC		
SNP_83162B_177	scaffold9444	NW_004521734.1	177	TT	AA	AA	INTERGENIC		
SNP_83163B_396	scaffold9444	NW_004521734.1	396	AA	CC	CC	INTERGENIC		
SNP_83164B_670	scaffold9444	NW_004521734.1	670	CC	TT	TT	INTERGENIC		
SNP_83165B_694	scaffold9444	NW_004521734.1	694	GG	AA	AA	INTERGENIC		
SNP_83166B_2337	scaffold9444	NW_004521734.1	2337	GG	TT	TT	INTERGENIC		
SNP_83167B_3349	scaffold9444	NW_004521734.1	3349	CC	TT	TT	INTERGENIC		
SNP_83169B_3520	scaffold9444	NW_004521734.1	3520	TT	CC	CC	INTERGENIC		
SNP_83170B_3743	scaffold9444	NW_004521734.1	3743	CC	GG	GG	INTERGENIC		
SNP_83171B_3852	scaffold9444	NW_004521734.1	3852	TT	AA	AA	INTERGENIC		
SNP_83172B_3956	scaffold9444	NW_004521734.1	3956	TT	AA	AA	INTERGENIC		
SNP_83173B_4026	scaffold9444	NW_004521734.1	4026	AA	GG	GG	INTERGENIC		
SNP_83174B_4100	scaffold9444	NW_004521734.1	4100	AA	CC	CC	INTERGENIC		
SNP_83175B_4172	scaffold9444	NW_004521734.1	4172	GG	AA	AA	INTERGENIC		
SNP_83176B_4530	scaffold9444	NW_004521734.1	4530	CC	TT	TT	INTERGENIC		
SNP_83177B_472	scaffold9454	NW_004521737.1	472	CC	TT	TT	INTERGENIC		
SNP_83178B_476	scaffold9454	NW_004521737.1	476	AA	GG	GG	INTERGENIC		
SNP_83179B_509	scaffold9454	NW_004521737.1	509	AA	TT	TT	INTERGENIC		
SNP_83180B_722	scaffold9454	NW_004521737.1	722	AA	TT	TT	INTERGENIC		
SNP_83181B_773	scaffold9454	NW_004521737.1	773	GG	AA	AA	INTERGENIC		
SNP_83182B_1149	scaffold9484	NW_004521747.1	1149	GG	AA	AA	INTERGENIC		
SNP_83183B_1323	scaffold9484	NW_004521747.1	1323	TT	CC	CC	INTERGENIC		
SNP_83184B_1347	scaffold9484	NW_004521747.1	1347	TT	GG	GG	INTERGENIC		
SNP_83185B_1403	scaffold9484	NW_004521747.1	1403	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_83186B_1583	scaffold9484	NW_004521747.1	1583	AA	GG	GG	INTERGENIC		
SNP_83187B_1668	scaffold9484	NW_004521747.1	1668	TT	CC	CC	INTERGENIC		
SNP_83188B_1713	scaffold9484	NW_004521747.1	1713	AA	CC	CC	INTERGENIC		
SNP_83189B_2058	scaffold9486	NW_004521748.1	2058	TT	AA	AA	INTERGENIC		
SNP_83190B_2120	scaffold9486	NW_004521748.1	2120	AA	GG	GG	INTERGENIC		
SNP_83191B_413	scaffold9493	NW_004521751.1	413	AA	CC	CC	INTERGENIC		
SNP_83192B_487	scaffold9493	NW_004521751.1	487	TT	CC	CC	INTERGENIC		
SNP_83193B_382	scaffold9507	NW_004521755.1	382	TT	AA	AA	INTERGENIC		
SNP_83194B_173	scaffold9523	NW_004521757.1	173	TT	GG	GG	INTERGENIC		
SNP_83195B_512	scaffold9523	NW_004521757.1	512	AA	TT	TT	INTERGENIC		
SNP_83196B_516	scaffold9523	NW_004521757.1	516	AA	TT	TT	INTERGENIC		
SNP_83197B_494	scaffold9534	NW_004521760.1	494	AA	GG	GG	INTERGENIC		
SNP_83198B_4930	scaffold9550	NW_004521766.1	4930	GG	AA	AA	INTERGENIC		
SNP_83199B_64	scaffold9555	NW_004521768.1	64	CC	GG	GG	INTERGENIC		
SNP_83200B_127	scaffold9555	NW_004521768.1	127	GG	TT	TT	INTERGENIC		
SNP_83201B_1852	scaffold9556	NW_004521769.1	1852	AA	TT	TT	INTERGENIC		
SNP_83202B_1914	scaffold9556	NW_004521769.1	1914	CC	GG	GG	INTERGENIC		
SNP_83203B_1935	scaffold9556	NW_004521769.1	1935	GG	TT	TT	INTERGENIC		
SNP_83204B_913	scaffold9587	NW_004521777.1	913	AA	GG	GG	INTERGENIC		
SNP_83205B_922	scaffold9587	NW_004521777.1	922	GG	AA	AA	INTERGENIC		
SNP_83206B_1007	scaffold9587	NW_004521777.1	1007	AA	GG	GG	INTERGENIC		
SNP_83207B_1018	scaffold9587	NW_004521777.1	1018	TT	CC	CC	INTERGENIC		
SNP_83208B_1156	scaffold9587	NW_004521777.1	1156	TT	GG	GG	INTERGENIC		
SNP_83209B_1186	scaffold9587	NW_004521777.1	1186	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_83210B_1540	scaffold9587	NW_004521777.1	1540	GG	TT	TT	INTERGENIC		
SNP_83211B_1547	scaffold9587	NW_004521777.1	1547	AA	GG	GG	INTERGENIC		
SNP_83212B_744	scaffold9588	NW_004521778.1	744	AA	GG	GG	INTERGENIC		
SNP_83213B_760	scaffold9588	NW_004521778.1	760	AA	GG	GG	INTERGENIC		
SNP_83214B_957	scaffold9588	NW_004521778.1	957	CC	TT	TT	INTERGENIC		
SNP_83215B_5095	scaffold9609	NW_004521784.1	5095	GG	AA	AA	INTERGENIC		
SNP_83216B_691	scaffold9612	NW_004521786.1	691	TT	CC	CC	INTERGENIC		
SNP_83217B_1182	scaffold9612	NW_004521786.1	1182	CC	AA	AA	INTERGENIC		
SNP_83218B_1235	scaffold9612	NW_004521786.1	1235	GG	AA	AA	INTERGENIC		
SNP_83219B_1254	scaffold9612	NW_004521786.1	1254	TT	AA	AA	INTERGENIC		
SNP_83220B_1480	scaffold9612	NW_004521786.1	1480	AA	CC	CC	INTERGENIC		
SNP_83221B_1577	scaffold9612	NW_004521786.1	1577	AA	GG	GG	INTERGENIC		
SNP_83222B_2039	scaffold9612	NW_004521786.1	2039	CC	GG	GG	INTERGENIC		
SNP_83223B_2084	scaffold9612	NW_004521786.1	2084	TT	AA	AA	INTERGENIC		
SNP_83224B_231	scaffold9613	NW_004521787.1	231	GG	AA	AA	INTERGENIC		
SNP_83225B_5814	scaffold9629	NW_004521793.1	5814	GG	TT	TT	INTERGENIC		
SNP_83226B_5872	scaffold9629	NW_004521793.1	5872	TT	CC	CC	INTERGENIC		
SNP_83227B_5992	scaffold9629	NW_004521793.1	5992	AA	GG	GG	INTERGENIC		
SNP_83228B_6037	scaffold9629	NW_004521793.1	6037	GG	AA	AA	INTERGENIC		
SNP_83229B_6309	scaffold9629	NW_004521793.1	6309	GG	AA	AA	INTERGENIC		
SNP_83230B_6347	scaffold9629	NW_004521793.1	6347	GG	TT	TT	INTERGENIC		
SNP_83231B_502	scaffold9632	NW_004521794.1	502	TT	GG	GG	INTERGENIC		
SNP_83232B_1028	scaffold9632	NW_004521794.1	1028	AA	GG	GG	INTERGENIC		
SNP_83233B_307	scaffold9636	NW_004521796.1	307	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_83234B_694	scaffold9636	NW_004521796.1	694	CC	AA	AA	INTERGENIC		
SNP_83235B_833	scaffold9636	NW_004521796.1	833	TT	AA	AA	INTERGENIC		
SNP_83236B_178	scaffold9644	NW_004521800.1	178	TT	CC	CC	INTERGENIC		
SNP_83237B_228	scaffold9644	NW_004521800.1	228	TT	CC	CC	INTERGENIC		
SNP_83238B_280	scaffold9644	NW_004521800.1	280	GG	TT	TT	INTERGENIC		
SNP_83239B_438	scaffold9644	NW_004521800.1	438	AA	CC	CC	INTERGENIC		
SNP_83240B_565	scaffold9644	NW_004521800.1	565	CC	TT	TT	INTERGENIC		
SNP_83241B_664	scaffold9644	NW_004521800.1	664	CC	GG	GG	INTERGENIC		
SNP_83242B_734	scaffold9644	NW_004521800.1	734	AA	CC	CC	INTERGENIC		
SNP_83243B_843	scaffold9644	NW_004521800.1	843	AA	GG	GG	INTERGENIC		
SNP_83244B_4314	scaffold9644	NW_004521800.1	4314	GG	AA	AA	INTERGENIC		
SNP_83245B_4317	scaffold9644	NW_004521800.1	4317	CC	TT	TT	INTERGENIC		
SNP_83246B_4331	scaffold9644	NW_004521800.1	4331	AA	GG	GG	INTERGENIC		
SNP_83247B_4395	scaffold9644	NW_004521800.1	4395	AA	GG	GG	INTERGENIC		
SNP_83248B_4525	scaffold9644	NW_004521800.1	4525	GG	TT	TT	INTERGENIC		
SNP_83249B_4530	scaffold9644	NW_004521800.1	4530	AA	CC	CC	INTERGENIC		
SNP_83250B_4540	scaffold9644	NW_004521800.1	4540	GG	AA	AA	INTERGENIC		
SNP_83251B_4608	scaffold9644	NW_004521800.1	4608	CC	TT	TT	INTERGENIC		
SNP_83252B_4682	scaffold9644	NW_004521800.1	4682	AA	GG	GG	INTERGENIC		
SNP_83253B_4710	scaffold9644	NW_004521800.1	4710	GG	TT	TT	INTERGENIC		
SNP_83254B_4750	scaffold9644	NW_004521800.1	4750	AA	CC	CC	INTERGENIC		
SNP_83255B_4780	scaffold9644	NW_004521800.1	4780	GG	TT	TT	INTERGENIC		
SNP_83256B_4839	scaffold9644	NW_004521800.1	4839	CC	AA	AA	INTERGENIC		
SNP_83257B_4852	scaffold9644	NW_004521800.1	4852	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_83258B_4938	scaffold9644	NW_004521800.1	4938	CC	TT	TT	INTERGENIC		
SNP_83259B_5009	scaffold9644	NW_004521800.1	5009	GG	TT	TT	INTERGENIC		
SNP_83260B_5023	scaffold9644	NW_004521800.1	5023	AA	GG	GG	INTERGENIC		
SNP_83261B_363	scaffold9646	NW_004521801.1	363	TT	CC	CC	INTERGENIC		
SNP_83262B_172	scaffold9647	NW_004521802.1	172	TT	GG	GG	INTERGENIC		
SNP_83263B_690	scaffold9648	NW_004521803.1	690	AA	GG	GG	INTERGENIC		
SNP_83264B_150	scaffold9660	NW_004521808.1	150	AA	TT	TT	INTERGENIC		
SNP_83265B_506	scaffold9660	NW_004521808.1	506	CC	TT	TT	INTERGENIC		
SNP_83266B_723	scaffold9660	NW_004521808.1	723	TT	CC	CC	INTERGENIC		
SNP_83267B_19472	scaffold9660	NW_004521808.1	19472	CC	TT	TT	INTERGENIC		
SNP_83268B_19497	scaffold9660	NW_004521808.1	19497	GG	AA	AA	INTERGENIC		
SNP_83269B_561	scaffold9667	NW_004521811.1	561	GG	AA	AA	INTERGENIC		
SNP_83270B_562	scaffold9667	NW_004521811.1	562	GG	AA	AA	INTERGENIC		
SNP_83271B_20200	scaffold9673	NW_004521815.1	20200	GG	AA	AA	INTERGENIC		
SNP_83272B_20334	scaffold9673	NW_004521815.1	20334	AA	TT	TT	INTERGENIC		
SNP_83273B_20411	scaffold9673	NW_004521815.1	20411	GG	AA	AA	INTERGENIC		
SNP_83274B_20542	scaffold9673	NW_004521815.1	20542	AA	CC	CC	INTERGENIC		
SNP_83275B_20630	scaffold9673	NW_004521815.1	20630	TT	CC	CC	INTERGENIC		
SNP_83276B_20668	scaffold9673	NW_004521815.1	20668	TT	CC	CC	INTERGENIC		
SNP_83277B_20934	scaffold9673	NW_004521815.1	20934	TT	AA	AA	INTERGENIC		
SNP_83278B_20969	scaffold9673	NW_004521815.1	20969	AA	CC	CC	INTERGENIC		
SNP_83279B_1042	scaffold9675	NW_004521816.1	1042	CC	TT	TT	INTERGENIC		
SNP_83280B_242	scaffold9683	NW_004521819.1	242	TT	CC	CC	INTERGENIC		
SNP_83281B_407	scaffold9683	NW_004521819.1	407	GG	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_83282B_508	scaffold9683	NW_004521819.1	508	CC	GG	GG	INTERGENIC		
SNP_83283B_512	scaffold9683	NW_004521819.1	512	AA	TT	TT	INTERGENIC		
SNP_83284B_588	scaffold9686	NW_004521820.1	588	TT	CC	CC	INTERGENIC		
SNP_83285B_601	scaffold9686	NW_004521820.1	601	CC	GG	GG	INTERGENIC		
SNP_83286B_855	scaffold9686	NW_004521820.1	855	GG	AA	AA	INTERGENIC		
SNP_83287B_869	scaffold9686	NW_004521820.1	869	CC	TT	TT	INTERGENIC		
SNP_83288B_898	scaffold9686	NW_004521820.1	898	GG	AA	AA	INTERGENIC		
SNP_83289B_1137	scaffold9686	NW_004521820.1	1137	CC	TT	TT	INTERGENIC		
SNP_83290B_864	scaffold9699	NW_004521823.1	864	AA	CC	CC	INTERGENIC		
SNP_83291B_19614	scaffold9704	NW_004521826.1	19614	AA	CC	CC	INTERGENIC		
SNP_83292B_504	scaffold9728	NW_004521835.1	504	CC	AA	AA	INTERGENIC		
SNP_83293B_506	scaffold9728	NW_004521835.1	506	GG	AA	AA	INTERGENIC		
SNP_83294B_697	scaffold9728	NW_004521835.1	697	GG	AA	AA	INTERGENIC		
SNP_83295B_698	scaffold9728	NW_004521835.1	698	CC	AA	AA	INTERGENIC		
SNP_83296B_936	scaffold9728	NW_004521835.1	936	GG	AA	AA	INTERGENIC		
SNP_83297B_981	scaffold9728	NW_004521835.1	981	TT	CC	CC	INTERGENIC		
SNP_83298B_1048	scaffold9728	NW_004521835.1	1048	CC	AA	AA	INTERGENIC		
SNP_83299B_512	scaffold9740	NW_004521840.1	512	GG	AA	AA	INTERGENIC		
SNP_83300B_548	scaffold9740	NW_004521840.1	548	TT	GG	GG	INTERGENIC		
SNP_83301B_568	scaffold9740	NW_004521840.1	568	CC	TT	TT	INTERGENIC		
SNP_83303B_748	scaffold9740	NW_004521840.1	748	AA	CC	CC	INTERGENIC		
SNP_83304B_1251	scaffold9742	NW_004521841.1	1251	AA	GG	GG	INTERGENIC		
SNP_83305B_64	scaffold9757	NW_004521847.1	64	CC	TT	TT	INTERGENIC		
SNP_83306B_118	scaffold9757	NW_004521847.1	118	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_83308B_891	scaffold9757	NW_004521847.1	891	AA	GG	GG	INTERGENIC		
SNP_83309B_997	scaffold9757	NW_004521847.1	997	AA	CC	CC	INTERGENIC		
SNP_83310B_999	scaffold9757	NW_004521847.1	999	CC	AA	AA	INTERGENIC		
SNP_83311B_299	scaffold9776	NW_004521854.1	299	AA	GG	GG	INTERGENIC		
SNP_83312B_585	scaffold9776	NW_004521854.1	585	GG	AA	AA	INTERGENIC		
SNP_83313B_357	scaffold9779	NW_004521856.1	357	TT	AA	AA	INTERGENIC		
SNP_83314B_488	scaffold9779	NW_004521856.1	488	AA	CC	CC	INTERGENIC		
SNP_83315B_490	scaffold9779	NW_004521856.1	490	GG	AA	AA	INTERGENIC		
SNP_83316B_412	scaffold9781	NW_004521857.1	412	AA	TT	TT	INTERGENIC		
SNP_83317B_498	scaffold9781	NW_004521857.1	498	AA	TT	TT	INTERGENIC		
SNP_83318B_499	scaffold9781	NW_004521857.1	499	CC	AA	AA	INTERGENIC		
SNP_83319B_362	scaffold9784	NW_004521858.1	362	AA	CC	CC	INTERGENIC		
SNP_83321B_1238	scaffold9797	NW_004521863.1	1238	CC	GG	GG	INTERGENIC		
SNP_83322B_1325	scaffold9797	NW_004521863.1	1325	AA	TT	TT	INTERGENIC		
SNP_83323B_1461	scaffold9797	NW_004521863.1	1461	CC	TT	TT	INTERGENIC		
SNP_83324B_1468	scaffold9797	NW_004521863.1	1468	TT	AA	AA	INTERGENIC		
SNP_83325B_114	scaffold9809	NW_004521869.1	114	TT	CC	CC	INTERGENIC		
SNP_83326B_233	scaffold9809	NW_004521869.1	233	CC	TT	TT	INTERGENIC		
SNP_83327B_391	scaffold9809	NW_004521869.1	391	GG	AA	AA	INTERGENIC		
SNP_83328B_427	scaffold9809	NW_004521869.1	427	CC	TT	TT	INTERGENIC		
SNP_83329B_485	scaffold9809	NW_004521869.1	485	AA	CC	CC	INTERGENIC		
SNP_83330B_1007	scaffold9809	NW_004521869.1	1007	AA	GG	GG	INTERGENIC		
SNP_83331B_114	scaffold9813	NW_004521870.1	114	GG	TT	TT	INTERGENIC		
SNP_83332B_363	scaffold9813	NW_004521870.1	363	CC	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_83333B_421	scaffold9813	NW_004521870.1	421	GG	TT	TT	INTERGENIC		
SNP_83334B_549	scaffold9813	NW_004521870.1	549	CC	TT	TT	INTERGENIC		
SNP_83335B_553	scaffold9813	NW_004521870.1	553	TT	AA	AA	INTERGENIC		
SNP_83336B_678	scaffold9813	NW_004521870.1	678	CC	AA	AA	INTERGENIC		
SNP_83337B_739	scaffold9813	NW_004521870.1	739	CC	AA	AA	INTERGENIC		
SNP_83339B_1281	scaffold9813	NW_004521870.1	1281	GG	CC	CC	INTERGENIC		
SNP_83340B_1541	scaffold9813	NW_004521870.1	1541	CC	TT	TT	INTERGENIC		
SNP_83341B_1616	scaffold9813	NW_004521870.1	1616	CC	AA	AA	INTERGENIC		
SNP_83342B_1641	scaffold9813	NW_004521870.1	1641	GG	TT	TT	INTERGENIC		
SNP_83343B_5188	scaffold9813	NW_004521870.1	5188	CC	AA	AA	INTERGENIC		
SNP_83344B_5417	scaffold9813	NW_004521870.1	5417	CC	TT	TT	INTERGENIC		
SNP_83345B_5420	scaffold9813	NW_004521870.1	5420	AA	GG	GG	INTERGENIC		
SNP_83346B_5432	scaffold9813	NW_004521870.1	5432	TT	GG	GG	INTERGENIC		
SNP_83347B_5483	scaffold9813	NW_004521870.1	5483	AA	GG	GG	INTERGENIC		
SNP_83348B_1289	scaffold9818	NW_004521872.1	1289	CC	GG	GG	INTERGENIC		
SNP_83349B_1308	scaffold9818	NW_004521872.1	1308	AA	TT	TT	INTERGENIC		
SNP_83350B_1606	scaffold9818	NW_004521872.1	1606	AA	GG	GG	INTERGENIC		
SNP_83351B_209	scaffold9821	NW_004521875.1	209	TT	GG	GG	INTERGENIC		
SNP_83352B_342	scaffold9821	NW_004521875.1	342	TT	AA	AA	INTERGENIC		
SNP_83353B_347	scaffold9821	NW_004521875.1	347	AA	TT	TT	INTERGENIC		
SNP_83354B_360	scaffold9821	NW_004521875.1	360	CC	TT	TT	INTERGENIC		
SNP_83355B_399	scaffold9821	NW_004521875.1	399	AA	TT	TT	INTERGENIC		
SNP_83356B_738	scaffold9821	NW_004521875.1	738	CC	GG	GG	INTERGENIC		
SNP_83357B_623	scaffold9827	NW_004521878.1	623	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_83358B_796	scaffold9827	NW_004521878.1	796	CC	TT	TT	INTERGENIC		
SNP_83359B_967	scaffold9827	NW_004521878.1	967	TT	CC	CC	INTERGENIC		
SNP_83360B_969	scaffold9827	NW_004521878.1	969	AA	GG	GG	INTERGENIC		
SNP_83361B_973	scaffold9827	NW_004521878.1	973	CC	TT	TT	INTERGENIC		
SNP_83362B_2417	scaffold9836	NW_004521883.1	2417	TT	AA	AA	INTERGENIC		
SNP_83363B_561	scaffold9844	NW_004521885.1	561	TT	GG	GG	INTERGENIC		
SNP_83364B_116	scaffold9849	NW_004521887.1	116	AA	GG	GG	INTERGENIC		
SNP_83365B_214	scaffold9849	NW_004521887.1	214	TT	CC	CC	INTERGENIC		
SNP_83366B_196	scaffold9851	NW_004521889.1	196	TT	CC	CC	INTERGENIC		
SNP_83367B_733	scaffold9851	NW_004521889.1	733	AA	CC	CC	INTERGENIC		
SNP_83369B_552	scaffold9860	NW_004521893.1	552	TT	CC	CC	INTERGENIC		
SNP_83370B_610	scaffold9860	NW_004521893.1	610	CC	AA	AA	INTERGENIC		
SNP_83371B_628	scaffold9860	NW_004521893.1	628	CC	TT	TT	INTERGENIC		
SNP_83372B_719	scaffold9860	NW_004521893.1	719	CC	TT	TT	INTERGENIC		
SNP_83373B_738	scaffold9860	NW_004521893.1	738	CC	TT	TT	INTERGENIC		
SNP_83374B_783	scaffold9860	NW_004521893.1	783	CC	TT	TT	INTERGENIC		
SNP_83375B_877	scaffold9860	NW_004521893.1	877	GG	AA	AA	INTERGENIC		
SNP_83377B_929	scaffold9860	NW_004521893.1	929	AA	CC	CC	INTERGENIC		
SNP_83378B_1359	scaffold9887	NW_004521901.1	1359	CC	TT	TT	INTERGENIC		
SNP_83379B_1415	scaffold9887	NW_004521901.1	1415	CC	TT	TT	INTERGENIC		
SNP_83380B_1745	scaffold9887	NW_004521901.1	1745	CC	TT	TT	INTERGENIC		
SNP_83381B_1872	scaffold9887	NW_004521901.1	1872	CC	TT	TT	INTERGENIC		
SNP_83382B_393	scaffold9892	NW_004521903.1	393	CC	TT	TT	INTERGENIC		
SNP_83383B_395	scaffold9892	NW_004521903.1	395	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_83384B_426	scaffold9892	NW_004521903.1	426	TT	GG	GG	INTERGENIC		
SNP_83385B_596	scaffold9892	NW_004521903.1	596	CC	TT	TT	INTERGENIC		
SNP_83386B_647	scaffold9892	NW_004521903.1	647	TT	AA	AA	INTERGENIC		
SNP_83387B_796	scaffold9892	NW_004521903.1	796	TT	CC	CC	INTERGENIC		
SNP_83388B_903	scaffold9892	NW_004521903.1	903	CC	GG	GG	INTERGENIC		
SNP_83389B_912	scaffold9892	NW_004521903.1	912	CC	AA	AA	INTERGENIC		
SNP_83390B_950	scaffold9892	NW_004521903.1	950	AA	TT	TT	INTERGENIC		
SNP_83392B_863	scaffold9900	NW_004521907.1	863	AA	TT	TT	INTERGENIC		
SNP_83393B_921	scaffold9900	NW_004521907.1	921	CC	AA	AA	INTERGENIC		
SNP_83394B_932	scaffold9900	NW_004521907.1	932	AA	GG	GG	INTERGENIC		
SNP_83395B_975	scaffold9900	NW_004521907.1	975	GG	AA	AA	INTERGENIC		
SNP_83396B_980	scaffold9900	NW_004521907.1	980	AA	GG	GG	INTERGENIC		
SNP_83397B_985	scaffold9900	NW_004521907.1	985	TT	CC	CC	INTERGENIC		
SNP_83398B_993	scaffold9900	NW_004521907.1	993	GG	TT	TT	INTERGENIC		
SNP_83399B_994	scaffold9900	NW_004521907.1	994	CC	AA	AA	INTERGENIC		
SNP_83400B_1014	scaffold9900	NW_004521907.1	1014	TT	CC	CC	INTERGENIC		
SNP_83401B_1357	scaffold9902	NW_004521909.1	1357	TT	CC	CC	INTERGENIC		
SNP_83402B_868	scaffold9903	NW_004521910.1	868	TT	AA	AA	INTERGENIC		
SNP_83403B_95	scaffold9917	NW_004521912.1	95	AA	GG	GG	INTERGENIC		
SNP_83404B_156	scaffold9917	NW_004521912.1	156	AA	GG	GG	INTERGENIC		
SNP_83405B_650	scaffold9917	NW_004521912.1	650	CC	TT	TT	INTERGENIC		
SNP_83406B_1131	scaffold9917	NW_004521912.1	1131	TT	CC	CC	INTERGENIC		
SNP_83408B_1270	scaffold9917	NW_004521912.1	1270	GG	AA	AA	INTERGENIC		
SNP_83409B_1301	scaffold9917	NW_004521912.1	1301	AA	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_83410B_2332	scaffold9917	NW_004521912.1	2332	GG	TT	TT	INTERGENIC		
SNP_83411B_640	scaffold9921	NW_004521914.1	640	TT	AA	AA	INTERGENIC		
SNP_83412B_802	scaffold9921	NW_004521914.1	802	AA	CC	CC	INTERGENIC		
SNP_83413B_884	scaffold9921	NW_004521914.1	884	CC	TT	TT	INTERGENIC		
SNP_83414B_493	scaffold9936	NW_004521919.1	493	TT	CC	CC	INTERGENIC		
SNP_83415B_498	scaffold9936	NW_004521919.1	498	CC	TT	TT	INTERGENIC		
SNP_83416B_625	scaffold9936	NW_004521919.1	625	CC	TT	TT	INTERGENIC		
SNP_83417B_1017	scaffold9936	NW_004521919.1	1017	CC	AA	AA	INTERGENIC		
SNP_83418B_1227	scaffold9936	NW_004521919.1	1227	AA	GG	GG	INTERGENIC		
SNP_83419B_1641	scaffold9943	NW_004521921.1	1641	AA	TT	TT	INTERGENIC		
SNP_83420B_1675	scaffold9943	NW_004521921.1	1675	GG	AA	AA	INTERGENIC		
SNP_83421B_1711	scaffold9943	NW_004521921.1	1711	AA	TT	TT	INTERGENIC		
SNP_83423B_432	scaffold9958	NW_004521929.1	432	AA	TT	TT	INTERGENIC		
SNP_83424B_513	scaffold9958	NW_004521929.1	513	AA	TT	TT	INTERGENIC		
SNP_83425B_813	scaffold9958	NW_004521929.1	813	AA	GG	GG	INTERGENIC		
SNP_83426B_4356	scaffold9982	NW_004521938.1	4356	CC	TT	TT	INTERGENIC		
SNP_83427B_567	scaffold9992	NW_004521940.1	567	GG	AA	AA	INTERGENIC		
SNP_83428B_716	scaffold9992	NW_004521940.1	716	AA	CC	CC	INTERGENIC		
SNP_83429B_20316	scaffold9992	NW_004521940.1	20316	GG	TT	TT	INTERGENIC		
SNP_83430B_20515	scaffold9992	NW_004521940.1	20515	AA	TT	TT	INTERGENIC		
SNP_83431B_20657	scaffold9992	NW_004521940.1	20657	TT	AA	AA	INTERGENIC		
SNP_83432B_339	scaffold10003	NW_004521944.1	339	CC	GG	GG	INTERGENIC		
SNP_83433B_865	scaffold10003	NW_004521944.1	865	AA	CC	CC	INTERGENIC		
SNP_83434B_339	scaffold10028	NW_004521951.1	339	CC	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_83436B_18928	scaffold10029	NW_004521952.1	18928	GG	CC	CC	INTERGENIC		
SNP_83437B_511	scaffold10069	NW_004521965.1	511	TT	AA	AA	INTERGENIC		
SNP_83438B_648	scaffold10069	NW_004521965.1	648	GG	CC	CC	INTERGENIC		
SNP_83440B_4412	scaffold10103	NW_004521974.1	4412	AA	GG	GG	INTERGENIC		
SNP_83441B_4595	scaffold10103	NW_004521974.1	4595	CC	GG	GG	INTERGENIC		
SNP_83442B_130	scaffold10121	NW_004521980.1	130	TT	CC	CC	DRR	101507709	uncharacterized LOC101507709
SNP_83443B_709	scaffold10121	NW_004521980.1	709	GG	CC	CC	NON_SYNONYMOUS_CODING	101507709	uncharacterized LOC101507709
SNP_83444B_728	scaffold10121	NW_004521980.1	728	GG	AA	AA	NON_SYNONYMOUS_CODING	101507709	uncharacterized LOC101507709
SNP_83445B_735	scaffold10121	NW_004521980.1	735	TT	CC	CC	NON_SYNONYMOUS_CODING	101507709	uncharacterized LOC101507709
SNP_83446B_5123	scaffold10121	NW_004521980.1	5123	CC	TT	TT	INTERGENIC		
SNP_83448B_130	scaffold10124	NW_004521981.1	130	GG	TT	TT	INTERGENIC		
SNP_83449B_1608	scaffold10131	NW_004521982.1	1608	CC	TT	TT	INTERGENIC		
SNP_83450B_1499	scaffold10134	NW_004521983.1	1499	TT	GG	GG	INTERGENIC		
SNP_83451B_1994	scaffold10134	NW_004521983.1	1994	CC	TT	TT	INTERGENIC		
SNP_83452B_2089	scaffold10134	NW_004521983.1	2089	TT	AA	AA	INTERGENIC		
SNP_83453B_2145	scaffold10134	NW_004521983.1	2145	TT	CC	CC	INTERGENIC		
SNP_83454B_2173	scaffold10134	NW_004521983.1	2173	CC	GG	GG	INTERGENIC		
SNP_83455B_2183	scaffold10134	NW_004521983.1	2183	TT	AA	AA	INTERGENIC		
SNP_83456B_2196	scaffold10134	NW_004521983.1	2196	TT	GG	GG	INTERGENIC		
SNP_83457B_2212	scaffold10134	NW_004521983.1	2212	AA	GG	GG	INTERGENIC		
SNP_83459B_781	scaffold10152	NW_004521988.1	781	GG	AA	AA	INTERGENIC		
SNP_83460B_475	scaffold10154	NW_004521989.1	475	CC	AA	AA	INTERGENIC		
SNP_83461B_481	scaffold10154	NW_004521989.1	481	CC	AA	AA	INTERGENIC		
SNP_83462B_497	scaffold10154	NW_004521989.1	497	TT	AA	AA	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_83463B_507	scaffold10154	NW_004521989.1	507	AA	GG	GG	INTERGENIC		
SNP_83464B_530	scaffold10154	NW_004521989.1	530	TT	AA	AA	INTERGENIC		
SNP_83465B_543	scaffold10154	NW_004521989.1	543	GG	AA	AA	INTERGENIC		
SNP_83466B_576	scaffold10154	NW_004521989.1	576	TT	AA	AA	INTERGENIC		
SNP_83467B_577	scaffold10154	NW_004521989.1	577	GG	TT	TT	INTERGENIC		
SNP_83468B_640	scaffold10154	NW_004521989.1	640	CC	AA	AA	INTERGENIC		
SNP_83469B_790	scaffold10154	NW_004521989.1	790	CC	TT	TT	INTERGENIC		
SNP_83471B_898	scaffold10154	NW_004521989.1	898	TT	AA	AA	INTERGENIC		
SNP_83472B_922	scaffold10154	NW_004521989.1	922	TT	CC	CC	INTERGENIC		
SNP_83473B_928	scaffold10154	NW_004521989.1	928	GG	AA	AA	INTERGENIC		
SNP_83474B_948	scaffold10154	NW_004521989.1	948	AA	GG	GG	INTERGENIC		
SNP_83475B_971	scaffold10154	NW_004521989.1	971	TT	CC	CC	INTERGENIC		
SNP_83476B_980	scaffold10154	NW_004521989.1	980	CC	TT	TT	INTERGENIC		
SNP_83477B_982	scaffold10154	NW_004521989.1	982	AA	CC	CC	INTERGENIC		
SNP_83478B_1008	scaffold10154	NW_004521989.1	1008	AA	GG	GG	INTERGENIC		
SNP_83479B_1643	scaffold10158	NW_004521991.1	1643	AA	GG	GG	INTERGENIC		
SNP_83480B_1948	scaffold10158	NW_004521991.1	1948	CC	TT	TT	INTERGENIC		
SNP_83481B_1982	scaffold10158	NW_004521991.1	1982	TT	AA	AA	INTERGENIC		
SNP_83482B_2030	scaffold10158	NW_004521991.1	2030	CC	TT	TT	INTERGENIC		
SNP_83483B_16344	scaffold10158	NW_004521991.1	16344	AA	GG	GG	DRR	101508038	uncharacterized LOC101508038
SNP_83484B_18212	scaffold10158	NW_004521991.1	18212	CC	GG	GG	INTRON	101508038	uncharacterized LOC101508038
SNP_83486B_1068	scaffold10180	NW_004521994.1	1068	AA	TT	TT	INTERGENIC		
SNP_83487B_1086	scaffold10180	NW_004521994.1	1086	TT	AA	AA	INTERGENIC		
SNP_83488B_1283	scaffold10180	NW_004521994.1	1283	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_83489B_1059	scaffold10186	NW_004521997.1	1059	TT	CC	CC	SPLICE_SITE_REGION	101508351	uncharacterized LOC101508351
SNP_83490B_1543	scaffold10186	NW_004521997.1	1543	TT	AA	AA	INTRON	101508351	uncharacterized LOC101508351
SNP_83491B_1552	scaffold10186	NW_004521997.1	1552	TT	CC	CC	INTRON	101508351	uncharacterized LOC101508351
SNP_83492B_1606	scaffold10186	NW_004521997.1	1606	TT	CC	CC	INTRON	101508351	uncharacterized LOC101508351
SNP_83493B_1616	scaffold10186	NW_004521997.1	1616	TT	CC	CC	INTRON	101508351	uncharacterized LOC101508351
SNP_83494B_64	scaffold10196	NW_004521998.1	64	CC	TT	TT	INTERGENIC		
SNP_83495B_104	scaffold10196	NW_004521998.1	104	AA	TT	TT	INTERGENIC		
SNP_83496B_497	scaffold10196	NW_004521998.1	497	GG	TT	TT	INTERGENIC		
SNP_83497B_1056	scaffold10196	NW_004521998.1	1056	GG	AA	AA	INTERGENIC		
SNP_83498B_1064	scaffold10196	NW_004521998.1	1064	CC	TT	TT	INTERGENIC		
SNP_83499B_1314	scaffold10196	NW_004521998.1	1314	GG	AA	AA	INTERGENIC		
SNP_83500B_1329	scaffold10196	NW_004521998.1	1329	GG	AA	AA	INTERGENIC		
SNP_83501B_1256	scaffold10218	NW_004522004.1	1256	TT	CC	CC	INTERGENIC		
SNP_83502B_1665	scaffold10227	NW_004522006.1	1665	CC	TT	TT	INTERGENIC		
SNP_83503B_3273	scaffold10227	NW_004522006.1	3273	GG	AA	AA	INTERGENIC		
SNP_83504B_6034	scaffold10227	NW_004522006.1	6034	GG	AA	AA	STOP_GAINED	101508665	transcription factor bHLH94-like
SNP_83506B_6941	scaffold10227	NW_004522006.1	6941	TT	CC	CC	NON_SYNONYMOUS_CODING	101508665	transcription factor bHLH94-like
SNP_83507B_9391	scaffold10227	NW_004522006.1	9391	TT	AA	AA	INTERGENIC		
SNP_83508B_10184	scaffold10227	NW_004522006.1	10184	GG	AA	AA	INTERGENIC		
SNP_83509B_11246	scaffold10227	NW_004522006.1	11246	AA	GG	GG	INTERGENIC		
SNP_83510B_11267	scaffold10227	NW_004522006.1	11267	AA	TT	TT	INTERGENIC		
SNP_83511B_11418	scaffold10227	NW_004522006.1	11418	GG	AA	AA	INTERGENIC		
SNP_83512B_142	scaffold10231	NW_004522007.1	142	CC	TT	TT	INTERGENIC		
SNP_83513B_417	scaffold10231	NW_004522007.1	417	GG	AA	AA	INTERGENIC		

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SNP_83515B_672	scaffold10231	NW_004522007.1	672	CC	TT	TT	INTERGENIC		
SNP_83516B_56	scaffold10232	NW_004522008.1	56	TT	GG	GG	INTERGENIC		
SNP_83517B_64	scaffold10232	NW_004522008.1	64	AA	GG	GG	INTERGENIC		
SNP_83518B_70	scaffold10232	NW_004522008.1	70	TT	CC	CC	INTERGENIC		
SNP_83519B_92	scaffold10232	NW_004522008.1	92	CC	TT	TT	INTERGENIC		
SNP_83520B_101	scaffold10232	NW_004522008.1	101	AA	CC	CC	INTERGENIC		
SNP_83521B_142	scaffold10232	NW_004522008.1	142	TT	AA	AA	INTERGENIC		
SNP_83522B_151	scaffold10232	NW_004522008.1	151	GG	AA	AA	INTERGENIC		
SNP_83523B_343	scaffold10232	NW_004522008.1	343	CC	AA	AA	INTERGENIC		
SNP_83524B_440	scaffold10232	NW_004522008.1	440	CC	TT	TT	INTERGENIC		
SNP_83525B_444	scaffold10232	NW_004522008.1	444	AA	GG	GG	INTERGENIC		
SNP_83526B_560	scaffold10232	NW_004522008.1	560	GG	AA	AA	INTERGENIC		
SNP_83527B_602	scaffold10232	NW_004522008.1	602	CC	TT	TT	INTERGENIC		
SNP_83529B_884	scaffold10232	NW_004522008.1	884	TT	GG	GG	INTERGENIC		
SNP_83530B_944	scaffold10232	NW_004522008.1	944	TT	GG	GG	INTERGENIC		
SNP_83531B_1145	scaffold10238	NW_004522009.1	1145	AA	GG	GG	INTERGENIC		
SNP_83532B_1177	scaffold10238	NW_004522009.1	1177	CC	TT	TT	INTERGENIC		
SNP_83533B_1350	scaffold10238	NW_004522009.1	1350	TT	CC	CC	INTERGENIC		
SNP_83534B_1394	scaffold10238	NW_004522009.1	1394	GG	AA	AA	INTERGENIC		
SNP_83535B_1411	scaffold10238	NW_004522009.1	1411	TT	CC	CC	INTERGENIC		
SNP_83536B_1412	scaffold10238	NW_004522009.1	1412	AA	CC	CC	INTERGENIC		
SNP_83537B_1436	scaffold10238	NW_004522009.1	1436	AA	TT	TT	INTERGENIC		
SNP_83538B_1437	scaffold10238	NW_004522009.1	1437	TT	AA	AA	INTERGENIC		
SNP_83539B_1439	scaffold10238	NW_004522009.1	1439	AA	TT	TT	INTERGENIC		

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SNP_83540B_1464	scaffold10238	NW_004522009.1	1464	TT	CC	CC	INTERGENIC		
SNP_83542B_1744	scaffold10244	NW_004522013.1	1744	GG	TT	TT	INTERGENIC		
SNP_83543B_1770	scaffold10244	NW_004522013.1	1770	TT	GG	GG	INTERGENIC		
SNP_83544B_1851	scaffold10244	NW_004522013.1	1851	GG	AA	AA	INTERGENIC		
SNP_83545B_407	scaffold10285	NW_004522021.1	407	AA	GG	GG	INTERGENIC		
SNP_83546B_784	scaffold10285	NW_004522021.1	784	CC	TT	TT	INTERGENIC		
SNP_83547B_64	scaffold10299	NW_004522022.1	64	AA	GG	GG	INTERGENIC		
SNP_83548B_18807	scaffold10299	NW_004522022.1	18807	AA	TT	TT	INTERGENIC		
SNP_83549B_18821	scaffold10299	NW_004522022.1	18821	TT	CC	CC	INTERGENIC		
SNP_83550B_18849	scaffold10299	NW_004522022.1	18849	TT	AA	AA	INTERGENIC		
SNP_83551B_18869	scaffold10299	NW_004522022.1	18869	AA	CC	CC	INTERGENIC		
SNP_83552B_18978	scaffold10299	NW_004522022.1	18978	GG	AA	AA	INTERGENIC		
SNP_83553B_18983	scaffold10299	NW_004522022.1	18983	TT	CC	CC	INTERGENIC		
SNP_83554B_19158	scaffold10299	NW_004522022.1	19158	GG	AA	AA	INTERGENIC		
SNP_83555B_19196	scaffold10299	NW_004522022.1	19196	GG	TT	TT	INTERGENIC		
SNP_83556B_19334	scaffold10299	NW_004522022.1	19334	CC	TT	TT	INTERGENIC		
SNP_83557B_19373	scaffold10299	NW_004522022.1	19373	TT	AA	AA	INTERGENIC		
SNP_83558B_884	scaffold10304	NW_004522023.1	884	TT	AA	AA	INTERGENIC		
SNP_83559B_1006	scaffold10304	NW_004522023.1	1006	TT	CC	CC	INTERGENIC		
SNP_83560B_409	scaffold10305	NW_004522024.1	409	AA	GG	GG	INTERGENIC		
SNP_83561B_527	scaffold10305	NW_004522024.1	527	CC	TT	TT	INTERGENIC		
SNP_83562B_570	scaffold10305	NW_004522024.1	570	CC	GG	GG	INTERGENIC		
SNP_83563B_659	scaffold10320	NW_004522029.1	659	CC	TT	TT	INTERGENIC		
SNP_83564B_764	scaffold10324	NW_004522031.1	764	CC	TT	TT	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_83565B_918	scaffold10345	NW_004522035.1	918	CC	TT	TT	INTERGENIC		
SNP_83566B_299	scaffold10354	NW_004522037.1	299	AA	GG	GG	INTERGENIC		
SNP_83567B_317	scaffold10354	NW_004522037.1	317	GG	CC	CC	INTERGENIC		
SNP_83568B_334	scaffold10354	NW_004522037.1	334	TT	AA	AA	INTERGENIC		
SNP_83569B_347	scaffold10356	NW_004522039.1	347	CC	AA	AA	INTERGENIC		
SNP_83570B_348	scaffold10356	NW_004522039.1	348	GG	TT	TT	INTERGENIC		
SNP_83571B_406	scaffold10356	NW_004522039.1	406	CC	AA	AA	INTERGENIC		
SNP_83572B_439	scaffold10356	NW_004522039.1	439	GG	AA	AA	INTERGENIC		
SNP_83573B_504	scaffold10356	NW_004522039.1	504	CC	TT	TT	INTERGENIC		
SNP_83574B_575	scaffold10356	NW_004522039.1	575	CC	TT	TT	INTERGENIC		
SNP_83575B_623	scaffold10356	NW_004522039.1	623	TT	GG	GG	INTERGENIC		
SNP_83576B_764	scaffold10356	NW_004522039.1	764	CC	AA	AA	INTERGENIC		
SNP_83577B_64	scaffold10361	NW_004522041.1	64	CC	AA	AA	INTERGENIC		
SNP_83578B_181	scaffold10361	NW_004522041.1	181	AA	TT	TT	INTERGENIC		
SNP_83579B_601	scaffold10361	NW_004522041.1	601	AA	TT	TT	INTERGENIC		
SNP_83580B_630	scaffold10361	NW_004522041.1	630	GG	CC	CC	INTERGENIC		
SNP_83581B_653	scaffold10361	NW_004522041.1	653	CC	AA	AA	INTERGENIC		
SNP_83582B_657	scaffold10361	NW_004522041.1	657	AA	GG	GG	INTERGENIC		
SNP_83583B_708	scaffold10361	NW_004522041.1	708	GG	AA	AA	INTERGENIC		
SNP_83584B_757	scaffold10361	NW_004522041.1	757	AA	TT	TT	INTERGENIC		
SNP_83585B_767	scaffold10361	NW_004522041.1	767	CC	AA	AA	INTERGENIC		
SNP_83587B_932	scaffold10361	NW_004522041.1	932	TT	AA	AA	INTERGENIC		
SNP_83588B_947	scaffold10361	NW_004522041.1	947	CC	GG	GG	INTERGENIC		
SNP_83589B_949	scaffold10361	NW_004522041.1	949	AA	GG	GG	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_83590B_960	scaffold10361	NW_004522041.1	960	GG	AA	AA	INTERGENIC		
SNP_83591B_971	scaffold10361	NW_004522041.1	971	GG	TT	TT	INTERGENIC		
SNP_83592B_975	scaffold10361	NW_004522041.1	975	TT	CC	CC	INTERGENIC		
SNP_83593B_1005	scaffold10361	NW_004522041.1	1005	CC	AA	AA	INTERGENIC		
SNP_83594B_1013	scaffold10361	NW_004522041.1	1013	TT	AA	AA	INTERGENIC		
SNP_83595B_1014	scaffold10361	NW_004522041.1	1014	CC	TT	TT	INTERGENIC		
SNP_83596B_1015	scaffold10361	NW_004522041.1	1015	AA	TT	TT	INTERGENIC		
SNP_83597B_1042	scaffold10361	NW_004522041.1	1042	TT	AA	AA	INTERGENIC		
SNP_83598B_1049	scaffold10361	NW_004522041.1	1049	GG	CC	CC	INTERGENIC		
SNP_83599B_1072	scaffold10361	NW_004522041.1	1072	CC	TT	TT	INTERGENIC		
SNP_83600B_1116	scaffold10361	NW_004522041.1	1116	GG	CC	CC	INTERGENIC		
SNP_83601B_1117	scaffold10361	NW_004522041.1	1117	AA	TT	TT	INTERGENIC		
SNP_83602B_1129	scaffold10361	NW_004522041.1	1129	GG	AA	AA	INTERGENIC		
SNP_83603B_1264	scaffold10361	NW_004522041.1	1264	TT	CC	CC	INTERGENIC		
SNP_83604B_64	scaffold10378	NW_004522046.1	64	TT	CC	CC	INTERGENIC		
SNP_83605B_123	scaffold10378	NW_004522046.1	123	AA	GG	GG	INTERGENIC		
SNP_83606B_190	scaffold10378	NW_004522046.1	190	TT	CC	CC	INTERGENIC		
SNP_83607B_292	scaffold10378	NW_004522046.1	292	AA	CC	CC	INTERGENIC		
SNP_83608B_345	scaffold10378	NW_004522046.1	345	TT	CC	CC	INTERGENIC		
SNP_83609B_592	scaffold10378	NW_004522046.1	592	AA	CC	CC	INTERGENIC		
SNP_83610B_680	scaffold10378	NW_004522046.1	680	TT	GG	GG	INTERGENIC		
SNP_83611B_687	scaffold10378	NW_004522046.1	687	CC	TT	TT	INTERGENIC		
SNP_83612B_741	scaffold10378	NW_004522046.1	741	CC	AA	AA	INTERGENIC		
SNP_83613B_771	scaffold10378	NW_004522046.1	771	TT	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_83614B_787	scaffold10378	NW_004522046.1	787	AA	TT	TT	INTERGENIC		
SNP_83615B_788	scaffold10378	NW_004522046.1	788	AA	CC	CC	INTERGENIC		
SNP_83616B_792	scaffold10378	NW_004522046.1	792	GG	AA	AA	INTERGENIC		
SNP_83617B_822	scaffold10378	NW_004522046.1	822	TT	CC	CC	INTERGENIC		
SNP_83618B_873	scaffold10378	NW_004522046.1	873	CC	TT	TT	INTERGENIC		
SNP_83619B_1093	scaffold10378	NW_004522046.1	1093	AA	TT	TT	INTERGENIC		
SNP_83620B_1117	scaffold10378	NW_004522046.1	1117	TT	AA	AA	INTERGENIC		
SNP_83621B_1175	scaffold10378	NW_004522046.1	1175	GG	TT	TT	INTERGENIC		
SNP_83622B_186	scaffold10392	NW_004522051.1	186	TT	CC	CC	INTERGENIC		
SNP_83623B_346	scaffold10392	NW_004522051.1	346	TT	AA	AA	INTERGENIC		
SNP_83624B_532	scaffold10419	NW_004522062.1	532	GG	AA	AA	INTERGENIC		
SNP_83625B_8993	scaffold10419	NW_004522062.1	8993	AA	CC	CC	URR	101511024	protein SEH1
SNP_83626B_38390	scaffold10420	NW_004522063.1	38390	AA	GG	GG	DRR	101513484	uncharacterized protein DDB_G0283697
SNP_83629B_659	C11048340	NW_004522120.1	659	CC	GG	GG	INTERGENIC		
SNP_83630B_664	C11048340	NW_004522120.1	664	TT	CC	CC	INTERGENIC		
SNP_83631B_665	C11048340	NW_004522120.1	665	GG	AA	AA	INTERGENIC		
SNP_83632B_683	C11048340	NW_004522120.1	683	GG	AA	AA	INTERGENIC		
SNP_83633B_790	C11048340	NW_004522120.1	790	TT	CC	CC	INTERGENIC		
SNP_83634B_382	C11048522	NW_004522122.1	382	AA	GG	GG	SYNONYMOUS_CODING	101515228	sucrose transport protein-like
SNP_83639B_784	C11054110	NW_004522172.1	784	CC	AA	AA	INTERGENIC		
SNP_83644B_846	C11059834	NW_004522221.1	846	CC	TT	TT	INTERGENIC		
SNP_83645B_875	C11059834	NW_004522221.1	875	TT	CC	CC	INTERGENIC		
SNP_83646B_1083	C11059834	NW_004522221.1	1083	TT	GG	GG	INTERGENIC		
SNP_83647B_1102	C11059834	NW_004522221.1	1102	GG	CC	CC	INTERGENIC		

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 256 & HPNB)	(ILWC 46 & LPNB)	Sequence Components of genome	Gene accession IDs	Putative functions
SNP_83648B_482	C11064028	NW_004522265.1	482	GG	CC	CC	INTERGENIC		
SNP_83652B_1099	C11065790	NW_004522278.1	1099	GG	AA	AA	INTERGENIC		
SNP_83653B_873	C11067886	NW_004522293.1	873	TT	CC	CC	INTERGENIC		
SNP_83660B_416	C11082608	NW_004522406.1	416	AA	TT	TT	INTERGENIC		
SNP_83661B_1030	C11087430	NW_004522436.1	1030	CC	TT	TT	NON_SYNONYMOUS_CODING	101503949	sugar transport protein 10-like
SNP_83663B_1784	C11109044	NW_004522537.1	1784	TT	CC	CC	INTERGENIC		
SNP_83664B_388	C11119398	NW_004522574.1	388	AA	CC	CC	INTERGENIC		
SNP_83665B_389	C11119398	NW_004522574.1	389	AA	GG	GG	INTERGENIC		
SNP_83666B_466	C11119398	NW_004522574.1	466	GG	CC	CC	INTERGENIC		
SNP_83667B_2834	C11129662	NW_004522607.1	2834	CC	TT	TT	SYNONYMOUS_CODING	101513693	xyloglucan endotransglucosylase/hydrolase 2-like
SNP_83668B_2906	C11129662	NW_004522607.1	2906	GG	AA	AA	SYNONYMOUS_CODING	101513693	xyloglucan endotransglucosylase/hydrolase 2-like
SNP_83669B_2911	C11129662	NW_004522607.1	2911	AA	GG	GG	NON_SYNONYMOUS_CODING	101513693	xyloglucan endotransglucosylase/hydrolase 2-like
SNP_83670B_2945	C11129662	NW_004522607.1	2945	AA	GG	GG	SYNONYMOUS_CODING	101513693	xyloglucan endotransglucosylase/hydrolase 2-like
SNP_83671B_3118	C11129662	NW_004522607.1	3118	TT	CC	CC	INTRON	101513693	xyloglucan endotransglucosylase/hydrolase 2-like
SNP_83672B_3273	C11129662	NW_004522607.1	3273	GG	AA	AA	SYNONYMOUS_CODING	101513693	xyloglucan endotransglucosylase/hydrolase 2-like
SNP_83673B_2347	C11154862	NW_004522686.1	2347	GG	AA	AA	INTERGENIC		
SNP_83674B_4617	C11154862	NW_004522686.1	4617	TT	CC	CC	INTERGENIC		
SNP_83675B_2891	C11155258	NW_004522689.1	2891	CC	TT	TT	URR	101500749	uncharacterized LOC101500749
SNP_83676B_5408	C11155542	NW_004522690.1	5408	TT	AA	AA	INTERGENIC		
SNP_83677B_8350	C11174756	NW_004522736.1	8350	GG	TT	TT	DRR	101489740	serine/threonine-protein kinase CDL1-like
SNP_83678B_7439	C11177592	NW_004522743.1	7439	GG	AA	AA	INTERGENIC		
SNP_83679B_7679	C11177592	NW_004522743.1	7679	TT	AA	AA	INTERGENIC		
SNP_83681B_7696	C11177592	NW_004522743.1	7696	TT	CC	CC	INTERGENIC		
SNP_83682B_1771	C11178328	NW_004522746.1	1771	CC	AA	AA	INTERGENIC		

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SNP_83683B_6389	C11178328	NW_004522746.1	6389	AA	TT	TT	INTERGENIC		
SNP_83684B_6460	C11178328	NW_004522746.1	6460	TT	CC	CC	INTERGENIC		
SNP_83685B_1424	C11178574	NW_004522749.1	1424	TT	CC	CC	INTERGENIC		
SNP_83686B_12578	C11181782	NW_004522751.1	12578	GG	AA	AA	URR	101497198	tobamovirus multiplication protein 3-like
SNP_83687B_13020	C11181782	NW_004522751.1	13020	TT	CC	CC	INTERGENIC		
SNP_83688B_13662	C11181782	NW_004522751.1	13662	AA	GG	GG	INTERGENIC		
SNP_83689B_16463	C11181782	NW_004522751.1	16463	AA	GG	GG	INTERGENIC		
SNP_83690B_19438	C11181782	NW_004522751.1	19438	CC	TT	TT	INTERGENIC		
SNP_83693B_46379	Pltd	NC_011163.1	46379	AA	GG	GG	URR	6797566	RNA polymerase beta" subunit
SNP_83694B_50492	Pltd	NC_011163.1	50492	TT	CC	CC	URR	6797512	ATP synthase CF0 B subunit